

## TERR 3 SPECIAL-STATUS PLANT POPULATIONS

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### 1.0 EXECUTIVE SUMMARY

The occurrence and abundance of special-status plant populations near Project facilities and recreational facilities in the study area surveyed in 2003 was determined by reviewing existing information, conducting agency consultation, and completing surveys during the spring and summer of 2003. For each special-status plant species or population identified, a CNDDDB form was completed, and photographs were taken. The locations were mapped and incorporated into a confidential GIS database.

No state or federally listed special-status plant species was found during special-status plant surveys in 2002 or 2003. Five special-status plant species, totaling 17 populations, were identified during the surveys conducted in 2003. Two populations of Mono Hot Springs evening-primrose (*Camissonia sierrae* ssp. *alticola*) were identified along the Mono-Bear Siphon. Four populations of short-leaved hulsea (*Hulsea brevifolia*) were identified along Road 8S02 near Tunnel 7 and Adit 72 and one population was identified approximately 500 feet southwest of Huntington Lake Dam 3. There were two populations of Yosemite evening-primrose (*Camissonia sierrae* ssp. *sierrae*) identified. One population is located at Logan Meadow Trailhead in the Mammoth Pool area and one is located along the Musick Distribution Line above Big Creek Powerhouse No. 2. There were six populations of cut-leaved monkeyflower (*Mimulus laciniatus*) identified along the Crater Creek Diversion Channel and one population was identified at the Bear Creek Trailhead. One known population of flaming trumpet (*Collomia rawsoniana*) was identified along Rock Creek.

There is the potential for 24 species to occur along bypass and flow-augmented reaches within the study area. Surveys were conducted for these species at Project facilities in 2003 and at selected locations along flow-augmented and bypass stream reaches during the CAWG-11, Riparian Study. There were populations of two species (flaming trumpet and roundleaf sundew (*Drosera rotundifolia*)) identified during special-status plant surveys and riparian surveys. There is the potential for flaming trumpet, subalpine fireweed, Keil's daisy (*Erigeron inornatus* var. *keillii*), Shuteye Peak fawn lily (*Erythronium pluriflorum*), field ivesia (*Ivesia campestris*), slender-stemmed monkeyflower (*Mimulus filicaulis*), pansy monkeyflower (*Mimulus pulchellus*), California beaked-rush (*Rhyncospora californica*), Bolander's clover (*Trifolium bolanderi*), Bolander's candle moss (*Bruchia bolanderi*), moss (*Meesia triquetra*), moss (*Meesia uliginosa*), Nuttall's pondweed (*Potamogeton epihydrus* ssp. *nuttallii*), prairie wedge grass (*Sphenopholis obtusata*), shore sedge (*Carex limosa*), meadow sedge (*Carex praticola*), flat-leaved bladderwort (*Utricularia intermedia*), Yosemite tarplant (*Jensia yosemitana* (= *Madia yosemitana*)), marsh claytonia (*Claytonia palustris*), Yosemite ivesia (*Ivesia unguiculata*), mountain phacelia (*Phacelia orogenes*), Cusick's speedwell (*Veronica cusickii*), veined water lichen (*Peltigera hydrothyria* (= *Hydrothyria venosa*)), and roundleaf sundew to occur within or along flow-augmented and bypass reaches within the study area.

## 2.0 STUDY OBJECTIVES

- Document the presence and abundance of special-status plant populations adjacent to Project facilities and Project related recreational facilities that were not surveyed in 2002.
- Document the presence and abundance of special-status plant populations at selected locations along bypass and flow-augmented stream reaches as part of CAWG-11, Riparian Study.

## 3.0 STUDY IMPLEMENTATION

### 3.1 STUDY ELEMENTS COMPLETED

- Completed special-status plant surveys near Project facilities and recreational facilities in spring and summer 2003. For each special-status plant species or population identified, a CNDDDB form was completed. The locations were mapped and incorporated into a confidential GIS database.
- Completed riparian and aquatic special-status plant surveys at selected locations along bypass and flow-augmented stream reaches as part of CAWG-11, Riparian. The locations for riparian and aquatic plant surveys correspond to sampling sites selected by the CAWG for quantitative riparian study.

### 3.2 OUTSTANDING STUDY ELEMENTS

- Complete surveys for special-status plant species at additional Project facilities in 2004. Refer to Appendix A of the 2003 TERR-1, Vegetation Communities TSR for a list of these facilities. Refer to Appendix C of the 2003 TERR-1, Vegetation Communities TSR for a list of facilities that have not been surveyed because they are either entirely underground or not within the Project area, and without SCE maintenance activities.

## 4.0 STUDY METHODOLOGY

### 4.1 REVIEW OF EXISTING INFORMATION

Existing documentation pertinent to the botanical resources of the 2003 study area was compiled, reviewed, and analyzed. This included a review of: (1) CNPS's *Electronic Inventory of Rare and Endangered Vascular Plants of California* (CNPS 2002); (2) CDFG's *Natural Diversity Database* (CNDDDB; Appendix A; CDFG 2004); (3) USDA-FS Regional Forester's *List of Sensitive Plant and Animal Species for Region 5* (USDA-FS 1998); (4) U.S. Fish and Wildlife Service *Species List* (Appendix B; USFWS 2004); (5) Sierra National Forest *Sensitive Plant List* (Clines 2002); (6) USFS's *High Sierra Ranger District Sensitive Plant Coverage* (USDA-FS 2002); (7) *High Sierra Area California Soil Survey* (USDA-FS 1995); (8) *Sierra National Forest Area California Soil Survey* (USDA-FS 1993); (9) *Sierra Nevada Forest Plan Amendment* (USDA-FS 2001); (10)

information from appropriate agency representatives, such as the Sierra National Forest botanist; and (11) other information that is referenced as appropriate.

A list of special-status plant species potentially occurring in the study area was developed through the botanical literature review described above and is provided in the 2002 TERR-3, Special-status Plant Populations Technical Study Report (TSR). This list was updated with the most current information at the start of the 2003 surveys. Primary taxonomic references include *Field Guide to Intermountain Sedges* (Emerenciana et al. 1998), *Contributions Toward a Bryoflora of California: A Key to the Mosses* (Norris unpublished), as well as those listed in the 2002 TERR-3, Special-status Plant Populations TSR.

## **4.2 EVALUATION OF VEGETATION COMMUNITIES MAPPING**

Vegetation communities were identified and mapped in 2001 and 2003 and are included as part of the 2002 TERR-1, Vegetation Communities TSR and in 2003 as part of the 2003 TERR-1, Vegetation Communities TSR. Refer to the 2002 TERR-1, Vegetation Communities TSR for a detailed methodology. Each vegetation community was evaluated to determine if they could potentially support special-status plants. Each vegetation community within the study area that could support at least one special-status plant species was surveyed.

## **4.3 SPECIAL-STATUS PLANT SURVEYS**

The presence and absence of special-status plant populations near Project facilities and recreational facilities, in the 2003 study area, was recorded during field surveys conducted from May through August 2003. The lower elevation surveys were conducted during the weeks of May 5-11 and July 7-13. The middle elevation surveys were conducted during the weeks of May 9-15, May 19-25, and July 14-20. The higher elevation surveys were conducted during the weeks of June 16-22, August 4-10, and August 11-17. Surveys were conducted in accordance with the *Guidelines for Assessing Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities* (CDFG 2000). Surveys were floristic in nature, and nomenclature was based on the *Jepson Manual* (Hickman, 1993). Refer to the 2002 TERR-3, Special-status Plant Populations TSR for detailed methodology. Refer to Appendix B of the 2003 TERR-1, Vegetation Communities TSR for a complete list of locations surveyed in 2003. Specimens of bryophytes were collected during surveys and will be identified to species by a bryophyte specialist.

Additional surveys for special-status plant species potentially occurring in water-dependent habitats were conducted at selected locations along bypass and flow-augmented stream reaches as part of CAWG-11, Riparian. The locations for riparian and aquatic plant surveys correspond to sample/reference sites selected by the CAWG for quantitative riparian study. Refer to Appendix B of the 2003 TERR-1, Vegetation Communities TSR for a list of the flow-augmented and bypass stream reaches surveyed. Surveys were conducted along selected flow-augmented and bypass stream reaches in the summer and fall of 2003 during the weeks of July 21-25, July 28-31,

August 11-15, August 18-22, September 1-5, September 15-19, September 29-October 3, and October 6-10.

Plant species observed within sampling sites selected for the quantitative riparian study were keyed to species. Specimens of bryophytes were collected and identified to species using *Contributions Toward a Bryoflora of California: A Key to the Mosses* (Norris unpublished). When all bryophytes are identified, they will be added to the species list (Appendix C). Bryophyte specimens were also compared to specimens of Forest Service Sensitive bryophytes provided by USDA-FS botanist Joanna Clines. Voucher specimens of all bryophyte species encountered during the riparian study have been preserved and will be provided to the USDA-FS upon completion of the study.

Information on special-status plant species identified along comparison stream reaches is provided in this report but these stream reaches are outside of the Project area and were surveyed solely for comparison to the flow augmented and bypass stream reaches.

## **5.0 STUDY RESULTS AND ANALYSIS**

### **5.1 REVIEW OF EXISTING INFORMATION**

A list of the special-status plant species that have the potential to occur in the study area was compiled in 2002 and provided as part of the 2002 TERR-3, Special-status Plant Populations TSR. A description of each of the special-status plant species that were found in the study area was developed and included in the 2002 TERR-3, Special-status Plant Populations TSR.

#### **5.1.1 SPECIES POTENTIALLY OCCURRING IN WATER-DEPENDENT HABITATS ALONG BYPASS AND FLOW-AUGMENTED REACHES WITHIN THE STUDY AREA**

There were 24 species determined to potentially occur in bogs, fens, meadows, seeps, and riparian and aquatic habitats along or in bypass and flow-augmented reaches within the study area. A description of each of the special-status plant species potentially occurring in water dependent habitats in the study area was developed and included in the 2002 TERR-3, Special-status Plant Populations TSR.

### **5.2 EVALUATION OF VEGETATION COMMUNITIES MAPPING**

Each vegetation community present within ¼ mile of the Project facilities and recreational facilities in the 2003 study area was determined to potentially support at least one special-status plant species. Therefore, every vegetation community was visited during surveys. Refer to the 2002 and 2003 TERR-1, Vegetation Communities TSR for maps of the individual vegetation communities present within the study area.

### **5.3 SPECIAL-STATUS PLANT SURVEYS**

A list of the plant species that were identified at the Project facilities and recreational facilities in the study area, and that were not included in the 2002 TERR-3, Special-

status Plant Populations TSR, is provided in Appendix C. For each special-status plant population observed, a CNDDDB form was completed (Appendix D) and photographs were taken (Appendix E). Five special-status plant species were identified in the 2003 study area during the surveys. These include: two occurrences of Mono Hot Springs evening-primrose, two occurrences of Yosemite evening-primrose, five occurrences of short-leaved hulsea, one occurrence of flaming trumpet, and seven occurrences of cut-leaved monkeyflower. The general location of each population is described in Appendix F and the specific location of these populations is provided in Figure TERR-3-1a, b, c and d. A general location description of each population identified in relation to the known occurrences of those species in the Project vicinity is provided below.

Additional surveys for special-status plant species potentially occurring in water-dependent habitats were conducted at selected locations along bypass and flow-augmented stream reaches and along reference stream reaches outside of the Project area as part of CAWG-11, Riparian. One population of roundleaf sundew was identified during the CAWG-11, Riparian Study along Coon Creek, a reference stream outside of the Project area. A CNDDDB form was completed for this population along with a map of the population location (Appendix D).

#### CNPS 1B, FSS, AND/OR FSC SPECIES

**Mono Hot Springs evening-primrose (*Camissonia sierrae* ssp. *alticola*; FSC, CNPS 1B, FSS).** Two populations were identified within the study area in decomposed granite and cracks in granite bedrock. Both populations are located along the Bear-Mono Siphon and Bear Tunnel. One of these populations is within a polygon of known occurrence (USDA-FS 2002) for this species while the other population is just outside that polygon. There are several known populations near the study area in the vicinity of Florence Lake and Jackass Meadow (USDA-FS 2002).

**Short-leaved hulsea (*Hulsea brevifolia*; CNPS 1B, FSS).** Five populations were identified in Sierran mixed conifer forest openings within the study area. Four of these populations are located along Road 8S02 including one population at Tunnel 7, Adit 72. The other population is along a distribution line on the southwest end of Huntington Lake approximately 300 feet west of the road to Huntington Lake Dams 1 and 2 and within 500 feet of the lakeshore between Huntington Lake Dams 3 and 3a. There are known populations, near the study area, near Dowville Picnic Area and within 200 feet of the Huntington Lake perimeter just east of Camp Olijato (USDA-FS 2002). The known occurrences are represented in the database as large polygons in which the species was recorded. These areas extend within 200 feet of Huntington Lake but also outside of the study area. These populations are represented on the maps, but were not detected during special-status plant surveys.

#### CNPS 4 AND FSW SPECIES

**Yosemite evening-primrose (*Camissonia sierrae* ssp. *sierrae*; CNPS 4, FSW).** Two populations were identified within the study area in granitic gravel/sand. One population is located at the Logan Meadow Trailhead northeast of Mammoth Pool Campground.

The second population is located along the Musick Distribution Line above Big Creek Powerhouse No. 2.

**Cut-leaved monkeyflower (*Mimulus laciniatus*; CNPS 4, FSW).** Seven populations were identified in granitic seeps within the study area. Six populations are located along the Crater Diversion Channel and one population is located at the Bear Creek trailhead parking area.

#### 5.3.1 SPECIES POTENTIALLY OCCURRING IN WATER-DEPENDENT HABITATS ALONG BYPASS AND FLOW-AUGMENTED REACHES WITHIN THE PROJECT AREA

##### CNPS 1B, FSS, AND/OR FSC OR FSW SPECIES

**Flaming trumpet (*Collomia rawsoniana*; CNPS 1B, FSC, FSS).** One population was identified during special-status plant surveys in 2003. This population is a known occurrence located outside the study area along Rock Creek approximately 3,000 feet upstream from the Rock Creek Diversion. There is the potential for flaming trumpet to occur in riparian areas along all flow-augmented and bypass reaches located between 2,500 and 7,200 feet in elevation.

**Subalpine fireweed (*Epilobium howellii*; CNPS 1B, FSS).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for subalpine fireweed to occur in meadows and seeps along flow-augmented and bypass reaches located between 6,500 and 8,800 feet in elevation within the study area.

**Keil's daisy (*Erigeron inornatus* var. *keillii*; CNPS 1B, FSW).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for Keil's daisy to occur in meadows and seeps along flow-augmented and bypass reaches located between 5,900 and 7,200 feet in elevation within the study area.

**Shuteye Peak fawn lily (*Erythronium pluriflorum*; CNPS 1B, FSS).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for Shuteye Peak fawn lily to occur in meadows along flow-augmented and bypass reaches located between 6,700 and 8,400 feet in elevation within the study area.

**Field ivesia (*Ivesia campestris*; CNPS 1B, FSW).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for field ivesia to occur in meadows and edges of seeps along flow-augmented and bypass reaches located between 6,400 and 11,000 feet in elevation within the study area.

**Slender-stemmed monkeyflower (*Mimulus filicaulis*; FSC, CNPS 1B, FSS).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for slender-stemmed monkeyflower to occur in meadows and

seeps along flow-augmented and bypass reaches located between 2,900 and 5,700 feet in elevation within the study area.

**Pansy monkeyflower (*Mimulus pulchellus*; FSS, CNPS 1B).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for pansy monkeyflower to occur in meadows and seeps along flow-augmented and bypass reaches located between 2,000 and 6,600 feet in elevation within the study area.

**California beaked-rush (*Rhynchospora californica*; FSC, CNPS 1B, FSW).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for California beaked-rush to occur in meadows, seeps, and marshes along flow-augmented and bypass reaches located between 150 and 3,300 feet in elevation within the study area.

**Bolander's clover (*Trifolium bolanderi*; FSS, FSC, CNPS 1B).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Bolander's clover to occur in meadows or seeps along flow-augmented and bypass reaches located between 7,900 and 8,500 feet in elevation within the study area.

#### CNPS 2, FSS, AND/OR FSW SPECIES

**Bolander's candle moss (*Bruchia bolanderi*; CNPS 2, FSS).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Bolander's candle moss to occur in meadows or on vertical banks of streams in mixed coniferous forests along flow-augmented and bypass reaches located between 5,000 and 7,500 feet in elevation within the study area.

**Moss (*Meesia triquetra*; FSS, CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for this moss species to occur in acidic montane meadows in coniferous forests along flow-augmented and bypass reaches located between 6,000 and 8,000 feet in elevation within the study area.

**Moss (*Meesia uliginosa*; FSS, CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for this moss species to occur in saturated meadows in mixed coniferous forest and red fir/lodgepole pine forests along flow-augmented and bypass reaches located between 7,500 and 9,000 feet in elevation within the study area.

**Nuttall's pondweed (*Potamogeton epihydrus* ssp. *nuttallii*; CNPS 2, FWS).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Nuttall's pondweed to occur in marshes and assorted shallow freshwater along flow-augmented and bypass reaches located between 1,300 and 6,200 feet in elevation within the study area.

**Prairie wedge grass (*Sphenopholis obtusata*; FSW, CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for prairie wedge grass to occur in meadows or seeps along flow-augmented and bypass reaches located between 1,000 and 6,600 feet in elevation within the study area.

#### CNPS 2 ONLY SPECIES

**Shore sedge (*Carex limosa*; CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for shore sedge to occur in meadows, seeps, and marshes between 3,900 and 8,900 feet in elevation within the study area.

**Meadow sedge (*Carex praticola*; CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for meadow sedge to occur in meadows or seeps along flow-augmented and bypass reaches located between 3,900 and 8,900 feet in elevation within the study area.

**Flat-leaved bladderwort (*Utricularia intermedia*; CNPS 2).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for flat-leaved bladderwort to occur in bogs, fens, meadows, and seeps along flow-augmented and bypass reaches located between 3,900 and 8,900 feet in elevation within the study area.

#### CNPS 3 AND FSW SPECIES

**Yosemite tarplant (*Jensia yosemitana* (= *Madia yosemitana*); CNPS 3, FSW).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Yosemite tarplant to occur in meadows and seeps along flow-augmented and bypass reaches located between 3,900 and 7,500 feet in elevation within the study area.

#### CNPS 4 AND FSW SPECIES

**Marsh claytonia (*Claytonia palustris*; CNPS 4, FSW).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for marsh claytonia to occur in meadows, seeps, and marshes along flow-augmented and bypass reaches located between 3,200 and 8,200 feet in elevation within the study area.

**Yosemite ivesia (*Ivesia unguiculata*; FSW, CNPS 4).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Yosemite ivesia to occur in meadows or seeps along flow-augmented and bypass reaches located between 4,900 and 9,600 feet in elevation within the study area.

**Mountain phacelia (*Phacelia orogenes*; FSW, CNPS 4).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the



potential for mountain phacelia to occur in meadows or seeps along flow-augmented and bypass reaches located between 7,800 and 11,100 feet in elevation within the study area.

**Cusick's speedwell (*Veronica cusickii*; CNPS 4, FSW).** There were no populations identified during focused special-status plant surveys or riparian surveys. There is the potential for Cusick's speedwell to occur in meadows and seeps along flow-augmented and bypass reaches located between 7,000 and 9,800 feet in elevation within the study area.

#### FSS ONLY SPECIES

**Veined water lichen (*Peltigera hydrothyria* (= *Hydrothyria venosa*); FSS).** There were no populations identified during special-status plant surveys or riparian surveys. There is the potential for veined water lichen to occur in flow-augmented and bypass reaches located between 4,000 and 8,000 feet in elevation.

#### FSW ONLY SPECIES

**Roundleaf sundew (*Drosera rotundifolia*; FSW).** One population was identified during the CAWG-11, Riparian Study. This population is located in a wet meadow along Coon Creek, a comparison stream, at river mile 1.3 to 1.4. The population is in the eastern-central portion of the meadow in an area that remained saturated throughout the summer. Coon Creek and the associated meadow are not part of the Big Creek ALP. There is the potential for roundleaf sundew to occur in sphagnum bogs along all flow-augmented and bypass reaches located between 0 and 6,500 feet in elevation.

## 6.0 LITERATURE CITED

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## FIGURES

## Placeholder for Figures

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## **APPENDIX A**

### **California Native Diversity Database Report, Updated April 4, 2004**

**Calyptridium pulchellum**

Mariposa pussypaws

Element Code: PDPOR09060

**Status**  
 Federal: Threatened  
 State: None

**NDDB Element Ranks**  
 Global: G1  
 State: S1.1

**Other Lists**  
 CNPS List: 1B  
 R-E-D Code: 3-3-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND.

**Micro:** ON GRANITE DOMES, RESTRICTED TO EXPOSED SITES. 400-1100M.

**Occurrence No.** 6

**Map Index:** 15412

**EO Index:** 21240

**Dates Last Seen**

**Occ Rank:** Good  
**Origin:** Natural/Native occurrence  
**Presence:** Presumed Extant  
**Trend:** Fluctuating  
**Main Source:** HAMON, D. 1980 (OBS)

**Element:** 1995-06-12  
**Site:** 1995-06-12

**Record Last Updated:** 1997-08-27

**Quad Summary:** AUBERRY (3711914/397C)

**County Summary:** FRESNO

**Lat/Long:** 37.11151° / -119.40305°  
**UTM:** Zone-11 N4109945 E286481  
**Radius:** 80 meters  
**Elevation:** 3,400 ft

**Township:** 09S  
**Range:** 24E  
**Section:** 30  
**Meridian:** M  
**Qtr:** SW

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POINT

**Location:** SIERRA NF, SUGARLOAF CONVERSION PROJECT, (NW SIDE OF JOSE BASIN).

**Ecological:** ON DECOMPOSED GRANITE GRAVEL, FOOTHILL WOODLAND ARTIFICIALLY CONVERTED TO GRASSLAND; ASSOCIATED WITH LUPINUS CITRINUS, MADIA MINIMA, AND ARCTOSTAPHYLOS MARIPOSA.

**Threat:** HERBICIDE SPRAYING BY USFS COULD THREATEN. FENCE ERECTED TO EXCLUDE CATTLE (1992). MORE ANNUAL GRASSES IN 1995.

**General:** 23 PLANTS SEEN IN 1980, 58 IN 1991, 770 IN 1992, 59 IN 1995.

**Owner/Manager:** USFS-SIERRA NF

**Carpenteria californica**

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 15355	<b>EO Index:</b> 13932	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1987-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1987-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08337° / -119.42828°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4106879 E284159	<b>Range:</b> 23E
<b>Area:</b> 14,600.6 ac	<b>Section:</b> 10
<b>Elevation:</b> 3,920 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> E
<b>Symbol Type:</b> POLYGON	

**Location:** BIG SANDY BLUFFS NORTH TO JUST SOUTH OF SAN JOAQUIN RIVER NEAR ITALIAN BAR.  
**Location Detail:** INCLUDES SEVERAL COLLECTIONS FROM "5 MI ABOVE AUBERRY ON ROAD TO PINERIDGE" AND VICINITY.  
**Ecological:** DECOMPOSED GRANITE IN CHAPARRAL. ASSOCIATED WITH CEANOTHUS, PEDICULARIS, DELPHINIUM, SAMBUCUS, CERCIS OCCIDENTALIS, ASCLEPIAS, ARCTOSTAPHYLOS MARIPOSA, ERIODICTYON CALIFORNICA, AND UMBELLARIA CALIFORNICA.  
**Threat:** THREATENED BY A PROPOSED NEW STATE HIGHWAY PROJECT AND SPRAWLING FOOTHILL DEVELOPMENT.  
**General:** PART OF AREA IS USFS RNA; ANOTHER PART IS USFS CARPENTERIA BOTANICAL AREA. SEVERAL THOUSAND PLANTS SEEN IN 1986 ALONG GRADE UP BIG SANDY BLUFFS (HWY 168). HWY BISECTS OCCURRENCE. PART OF OCCURRENCE BURNED IN 1984.  
**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No. 2</b>	<b>Map Index:</b> 15338	<b>EO Index:</b> 12345	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1989-05-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.01434° / -119.45632°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4099284 E281468	<b>Range:</b> 23E
<b>Area:</b> 1,013.6 ac	<b>Section:</b> 34
<b>Elevation:</b> 3,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> W
<b>Symbol Type:</b> POLYGON	

**Location:** BLACK MTN, JUST S OF BIG SANDY VALLEY.  
**Ecological:** IN FOOTHILL WOODLAND AND WET CHAPARRAL. ASSOCIATED WITH RHUS, RIBES, SAMBUCUS AND FREMONTIA. ALSO SEEN IN 1986 AND 1987 AT ELEVATIONS FROM 2400 TO 3000 FEET, ON N AND MOSTLY NW EXPOSURES.  
**Threat:** THREATENED BY A PROPOSED NEW STATE HIGHWAY PROJECT AND SPRAWLING FOOTHILL DEVELOPMENT.  
**General:** VEG HAS NOT BEEN BURNED RECENTLY. HUNDREDS OF PLANTS SEEN IN 1987 CENSUS. 9 PLANTS SEEN IN 1989; PLANTS VERY OLD AND ARE PROBABLY RELICTUAL FROM THE BLACK MTN POPS UPSLOPE, ACC TO STEBBINS (1989).  
**Owner/Manager:** PVT

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 22759	<b>EO Index:</b> 8304	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-04-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-04-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-02-19
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09854° / -119.44175°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4108594 E283005	<b>Range:</b> 23E
<b>Area:</b> 3.2 ac	<b>Section:</b> 34
<b>Elevation:</b> 3,700 ft	<b>Meridian:</b> M
	<b>Qtr:</b> SE
	<b>Symbol Type:</b> POLYGON

**Location:** BALD MILL CREEK, APPROX. 2 KM (1.25 MI) NNW OF MEADOW LAKES.  
**Location Detail:** AT SUGARLOAF ROAD AND BALD MILL CREEK APPROX. 1 MILE FROM THE JUNCTION WITH THE AUBERRY/MEADOW LAKES ROAD. PLANTS FOUND ON BOTH SIDES OF THE CREEK BELOW THE ROAD FOR ABOUT 100 YARDS.  
**Ecological:** GROWING IN SEASONAL STREAM BED OF OPEN CANYON THROUGH CHAPARRAL. SOME PLANTS GROWING 10-20 FEET UP VALLEY SIDES. ASSOCIATES INCLUDE ARCTOSTAPHYLOS SP., QUERCUS WISLIZENII, TOXICODENDRON DIVERSILOBUM, AND SALIX SP..  
**Threat:** DEVELOPMENT MAY THREATEN SITE VIA SILTATION OF STREAMBED. PLANTS APPEAR STRESSED BY COMPETITION WITH CHAPARRAL.  
**General:** 100 PLANTS SEEN IN 1989. THIS IS A LARGE POPULATION IN AN EASILY ACCESSIBLE LOCATION AND MAY BE A GOOD STUDY AREA. CABINS AND HOMES FOUND IN SURROUNDING AREA.

**Owner/Manager:** UNKNOWN



Central Valley Drainage Hardhead/Squawfish Stream

Element Code: CARA2443CA

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G?	
State: None	State: S?	

**Habitat Associations**

General:

Micro:

<b>Occurrence No.</b> 5	<b>Map Index:</b> 25577	<b>EO Index:</b> 5337	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1986-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1986-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Decreasing			<b>Record Last Updated:</b> 1994-06-17
<b>Main Source:</b> MOYLE, PETER 1991 (LIT)			

**Quad Summary:** AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A)  
**County Summary:** FRESNO, MADERA

<b>Lat/Long:</b> 37.13659° / -119.48961°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112926 E278862	<b>Range:</b> 23E
<b>Area:</b> 559.3 ac	<b>Section:</b> 28
<b>Elevation:</b> 1,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** SAN JOAQUIN RIVER, BETWEEN KERCKHOFF & REDINGER RESERVOIRS.

**Location Detail:** BETWEEN KERCKHOFF RESERVOIR AND REDINGER RESERVOIR. ALSO INCLUDES WILLOW CREEK FROM MOUTH TO CONFLUENCE OF WHISKY CREEK.

**Ecological:** DEEP, ROCKY POOL HABITAT IN STEEP CANYON WHICH CONTAINS HARDHEAD, SQUAWFISH, AND SACRAMENTO SUCKER. FLOWS ARE REGULATED BY UPSTREAM DAMS. WILLOW, PINE, OAK, COTTONWOOD, AND CEDAR RIPARIAN VEGETATION.

**Threat:** GRAZING DEGRADING STREAMBANKS ON LOWER WILLOW CREEK. DAMS UPSTREAM MINIMIZING FLOWS.

**General:** LOCAL SUPPORT FOR PROTECTION OF STREAM BY "SAVE OUR STREAMS, INC."

**Owner/Manager:** PVT

**Desmocerus californicus dimorphus**

valley elderberry longhorn beetle

Element Code: IICOL48011

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G3T2	CDFG Status:
State: None	State: S2	

**Habitat Associations**

**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> 124	<b>Map Index:</b> 33166	<b>EO Index:</b> 20288	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1995-05-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-05-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-05-24
<b>Main Source:</b> YOTK, D. & W. PHILPOTT 1995 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.05626° / -119.44733°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103915 E282388	<b>Range:</b> 23E
<b>Radius:</b> 80 meters	<b>Section:</b> 15
<b>Elevation:</b> 2,200 ft	<b>Meridian:</b> M
	<b>Qtr:</b> SE
<b>Mapping Precision:</b> SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** JUST WEST OF HWY 168, 2.5 MILES SE OF AUBERRY.

**Location Detail:** LOCATED BETWEEN MILE POST 30.1 AND 30.2 ON HWY 168, THEN 25-150M WEST OF THE HWY.

**Ecological:** HABITAT CONSISTS OF INTERIOR LIVE OAK CHAPARRAL, WITH ELDERBERRY SHRUBS COVERING SEVERAL ACRES, ON A STEEP, SW-FACING SLOPE. SHRUBS ARE GROWING ON THE HWY FILL SLOPE.

**General:** ON 4 MAY 1995, 5 SHRUBS WERE OBSERVED CONTAINING EXIT HOLES.

**Owner/Manager:** USFS-SIERRA NF

**Emys (=Clemmys) marmorata**

western pond turtle

Element Code: ARAAD02030

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G3G4 **CDFG Status:** SC  
 State: None **State:** S3

**Habitat Associations** \_\_\_\_\_

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

**Occurrence No.** 49 **Map Index:** 32805 **EO Index:** 4678 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 1989-07-15  
**Origin:** Natural/Native occurrence **Site:** 1989-07-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-02-22  
**Main Source:** MILLER, G. 1989 (OBS)

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

**Lat/Long:** 37.03583° / -119.47612° **Township:** 10S  
**UTM:** Zone-11 N4101714 E279769 **Range:** 23E  
**Radius:** 80 meters **Mapping Precision:** SPECIFIC **Section:** 29 **Qtr:** NE  
**Elevation:** 1,845 ft **Symbol Type:** POINT **Meridian:** M

**Location:** 1.0 KM SSW OF HIGHWAY 168 X LODGE ROAD; ON EAST SIDE OF WHISPERING PINES LANE.  
**Ecological:** FRESHWATER MARSH BORDERING AN UNGRAZED STOCKPOND.  
**General:** 2 ADULTS OBSERVED. WOODDUCK BROOD, BULLFROGS AND GREAT BLUE HERON USING POND; ABSENCE OF GRAZING HAS ALLOWED MARSH TO DEVELOP AROUND POND.  
**Owner/Manager:** PVT

**Occurrence No.** 50 **Map Index:** 32806 **EO Index:** 19336 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2002-05-11  
**Origin:** Natural/Native occurrence **Site:** 2002-05-11  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-09-08  
**Main Source:** REPLOGLE, R. 1993 (OBS)

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

**Lat/Long:** 37.11635° / -119.37916° **Township:** 09S  
**UTM:** Zone-11 N4110428 E288618 **Range:** 24E  
**Area:** 338.0 ac **Mapping Precision:** SPECIFIC **Section:** XX **Qtr:** XX  
**Elevation:** 2,000 ft **Symbol Type:** POLYGON **Meridian:** M

**Location:** JOSE CREEK, FROM SCE POWERHOUSE #3 TO THE SOUTH FOR APPROX. 6.0 MILES, JOSE BASIN  
**Location Detail:** TURTLES FOUND IN POOLS THROUGHOUT ENTIRE 6 MILES OF STREAM.  
**Ecological:** HABITAT CONSISTS OF A PERENNIAL STREAM WITH POOLS; CHANNEL TYPE RANGED FROM STEEP BEDROCK TO FLAT SILTY. DOMINANT RIPARIAN PLANTS INCLUDE ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.  
**Threat:** THREATENED BY PRESENCE OF BULLFROGS.  
**General:** UNKNOWN NUMBER OBSERVED AT JOSE BASIN ROAD; DATE UNKNOWN. 8 CAPTURED & RELEASED ON 15 JUL 1988. 38 ADULTS, 10 JUVENILES, 6 HATCHLINGS OBSERVED ON 21 JUL 1993. 3 ADULTS OBSERVED, 28 MAR 2002. 13 ADULTS/4 JUVENILES OBSERVED, 10-11 MAY  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 15413	<b>EO Index:</b> 19229	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1995-06-13
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-06-13
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-03
<b>Main Source:</b> CLINES, J. 1995 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11190° / -119.40293°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4109988 E286493	<b>Range:</b> 24E
<b>Area:</b> 17.8 ac	<b>Section:</b> 30
<b>Elevation:</b> 3,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** SW OF SUGARLOAF HILL, SUGARLOAF CONVERSION PROJECT (NW SIDE OF JOSE BASIN).  
**Location Detail:** USFS POP # 15-15 & 15-24. ALONG BOTH SIDES OF FS ROAD 9561C.  
**Ecological:** DECOMPOSED GRANITE GRAVEL, FOOTHILL WOODLAND ARTIFICIALLY CONVERTED TO GRASSLAND. GRANITE OUTCROPS. ASSOCIATED WITH CALYPTRIDIMUM PULCHELLUM, QUERCUS WISLIZENII, MADIA MINIMA, ARCTOSTAPHYLOS MARIPOSA, ERODIUM CICUTARIUM, & LUPINUS STIVERSII.  
**Threat:** PARTIALLY FENCED FROM CATTLE, BUT UNFENCED PORTION SEVERELY IMPACTED. POSSIBLE THREAT FROM ANNUAL GRASS COMPETITION.  
**General:** 4 POPULATIONS. 1650 PLANTS IN 1991 IN LOWER POLYGON. AT LEAST 1273 PLANTS IN 1995. INCLUDES FORMER OCCURRENCE #2.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 3</b>	<b>Map Index:</b> 15421	<b>EO Index:</b> 19225	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11519° / -119.39099°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4110326 E287563	<b>Range:</b> 24E
<b>Radius:</b> 80 meters	<b>Section:</b> 30
<b>Elevation:</b> 3,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** SIERRA NATIONAL FOREST, ABOUT 0.5 MILE SSE OF SUGARLOAF HILL (NORTHWEST SIDE JOSE BASIN).  
**Location Detail:** NORTH SIDE OF SUGARLOAF ROAD.  
**Ecological:** SANDY, ROCKY OUTCROP WITH ARCTOSTAPHYLOS MARIPOSA AND YELLOW PINE.  
**Threat:** ADJACENT TO ROAD; A FEW PLANTS IN THE TURN-OUT HAD BEEN CRUSHED BY TIRES IN 1989. 4WD VEHICLES/CAMPING IN AREA.  
**General:** UNKNOWN HOW MANY PLANTS SEEN IN 1980, 500 SEEN IN 1989.  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No. 7</b>	<b>Map Index:</b> 15359	<b>EO Index:</b> 19222	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-06-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-06-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-24
<b>Main Source:</b> STEBBINS, J. 1979 (PERS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.05630° / -119.44007°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103903 E283034	<b>Range:</b> 23E
<b>Area:</b> 8.4 ac	<b>Section:</b> 15
<b>Elevation:</b> 3,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** BIG SANDY BLUFFS, 1.4 AIRMI SSW OF MEADOW LAKES, 0.25 AIRMI DUE W OF BEAL FIRE RD.

**Location Detail:** SITE MAPPED BY MAP PROVIDED BY STEBBINS.

**General:** SEEN IN 1979.

**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No. 8</b>	<b>Map Index:</b> 15374	<b>EO Index:</b> 19221	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-06-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-06-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-24
<b>Main Source:</b> STEBBINS, J. 1979 (PERS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04156° / -119.42751°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4102238 E284109	<b>Range:</b> 23E
<b>Area:</b> 18.0 ac	<b>Section:</b> 23
<b>Elevation:</b> 2,560 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** BIG SANDY BLUFFS, 2.4 AIRMI DUE S OF MEADOW LAKES.

**Location Detail:** TWO COLONIES. SITE MAPPED FROM MAP PROVIDED BY STEBBINS.

**General:** FORMER EO 9 LUMPED HERE.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 10</b>	<b>Map Index:</b> 15390	<b>EO Index:</b> 19223	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-04-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-04-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-12-05
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04113° / -119.41080°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4102153 E285594	<b>Range:</b> 23E
<b>Area:</b> 40.5 ac	<b>Section:</b> 24
<b>Elevation:</b> 2,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** BIG SANDY BLUFFS, NNW OF TOLLHOUSE, ON BOTH SIDES OF HWY 168.

**Location Detail:** SEVERAL COLONIES MAPPED HERE AS 4 POLYGONS. MAPPED IN SE 1/4 SEC 24 AND NE 1/4 SEC 25.

**Ecological:** ON DECOMPOSED GRANITE SAND ON RIDGE TOP AMONG GRANITE BOULDERS AND SLABS IN YELLOW PINE FOREST/CHAPARRAL TRANSITION. STEEP SW-FACING SLOPES WITH LUPINUS STIVERSII.

**Threat:** PLANTS INFESTED WITH CATERPILLARS. SOME PLANTS ALSO TRAMPLED BY HUMANS. VERY POOR SITE FOR THE PLANT IN 1989.

**General:** 70 PLANTS IN 1989. ADDITIONAL SITES ADDED FROM MAP PROVIDED BY STEBBINS. NORTHEASTERN POLYGON; 300-500 PLANTS IN 1978, 2000 IN 1989. FORMER EO 11 AND 12 LUMPED HERE. NEEDS FIELDWORK TO CONFIRM LOCATIONS.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 13	<b>Map Index:</b> 15387	<b>EO Index:</b> 13879	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1989-06-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-06-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.06359° / -119.40688°	<b>UTM:</b> Zone-11 N4104636 E286006	<b>Area:</b> 72.7 ac	<b>Elevation:</b> 4,640 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 13	<b>Qtr:</b> N	<b>Meridian:</b> M
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**Location:** BALD MOUNTAIN S OF CORLEW MEADOWS, W OF ALDER SPRINGS. NEAR MILE HIGH SUBDIVISION.  
**Location Detail:** MORE SURVEYS NEEDED W OF BALD MTN ROAD, SINCE PLANTS NOT SEEN THERE SINCE 1978. MAPPED AS 8 POLYGONS AT CNDDDB.  
**Ecological:** 4600-4700 FEET ELEVATION. ON OPEN GRANITE SHEETS IN YELLOW PINE FOREST.  
**Threat:** HOMES NEARBY, ALSO MANY ATV TRAILS RUNNING THROUGH PART OF EASTERNMOST POLYGON.  
**General:** MANY THOUSANDS OF PLANTS. AREA NEAR END OF BALD MOUNTAIN RD SEARCHED IN 1986 AND NO PLANTS LOCATED. 3000-4000 PLANTS ESTIMATED IN EASTERNMOST POLYGON IN 1989.

**Owner/Manager:** PVT IN USFS-SIERRA NF

<b>Occurrence No.</b> 14	<b>Map Index:</b> 15386	<b>EO Index:</b> 19216	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1990-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-28
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07638° / -119.41329°	<b>UTM:</b> Zone-11 N4106070 E285472	<b>Area:</b> 14.7 ac	<b>Elevation:</b> 4,450 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 12	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** CORLEW MEADOWS, ALONG BOTH SIDES OF AUBERRY ROAD. FROM 0.05-0.35 MI N OF JCT WITH BALD MOUNTAIN ROAD.  
**Ecological:** ON STERILE DECOMPOSED GRANITE IN YELLOW PINE FOREST. ASSOCIATED WITH ARCTOSTAPHYLOS MARIPOSA AND ALLIUM SP.  
**Threat:** CABINS NEARBY, VEHICLE TRACKS ACROSS SLABS AND SAND FIELD.  
**General:** APPROXIMATELY 2000 PLANTS IN 1978, 1000 IN 1989, 2000 PLANTS IN SOUTHERN POLY OBSERVED IN 1990.

**Owner/Manager:** PVT IN USFS-SIERRA NF

<b>Occurrence No.</b> 16	<b>Map Index:</b> 15446	<b>EO Index:</b> 19215	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1978-05-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-05-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> BARTEL, J. 1978 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11025° / -119.37630°	<b>UTM:</b> Zone-11 N4109745 E288855	<b>Area:</b> 5.1 ac	<b>Elevation:</b> 3,200 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 32	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** SAN JOSE BASIN ONE MI DUE S OF MATHEWS MILL NEAR (E OF) CONCRETE BRIDGE OVER JOSE CREEK.  
**Location Detail:** IN NE1/4 OF NW1/4 OF SEC 32.  
**Ecological:** IN GRANITE SOIL POCKETS ON KNOLL WITH SCE POWER LINE TOWER.  
**Threat:** COLLECTING AND POWER COMPANY SPRAYING OF EQUIPMENT ARE THREATS.  
**General:** MORE THAN 1000 PLANTS IN 1978. 1959 COLLECTION BY BACIGALUPI ET AL IN JOSE BASIN ATTRIBUTED TO THIS SITE.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 22	<b>Map Index:</b> 15428	<b>EO Index:</b> 12645	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1989-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08154° / -119.38686°	<b>UTM:</b> Zone-11 N4106583 E287836	<b>Area:</b> 22.6 ac	<b>Elevation:</b> 3,700 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 07	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** ALONG JOSE ROAD, AT JCT W/RD TO PRESCOTT HILL AND 0.25 MI N OF JCT. ALSO FOUND 0.25 MI W OF JCT.  
**Location Detail:**ALSO IN EXTREME SE 1/4 OF SECTION 6.  
**Ecological:** IN SUNNY OPEN AREA IN SANDY PLACES ON DECOMPOSED GRANITE. IN YELLOW PINE/CHAPARRAL TRANSITION. ASSOCIATED WITH ARCTOSTAPHYLOS MARIPOSA, STREPTANTHUS TORTUOSUS, ALLIUM SP.  
**Threat:** MUCH OF AREA HAS BEEN THOROUGHLY LOGGED AND REPLANTED IN PINES. ORVS, ROAD WIDENING, CATTLE TRAMPLING ALSO THREATEN.  
**General:** 2 GROUPS OF PLANTS IN 1979. 100-200 PLANTS IN EACH GROUP. 3 GROUPS IN 1989-TOTAL OF 2200-2400 PLANTS. NORTHERNMOST POLYGON HAD 200 PLANTS IN 1989. FORMER EO #36 LUMPED HERE.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 24	<b>Map Index:</b> 15434	<b>EO Index:</b> 19208	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-05-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-05-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> HAMON, D. 1980 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.06599° / -119.38401°	<b>UTM:</b> Zone-11 N4104851 E288046	<b>Area:</b> 42.9 ac	<b>Elevation:</b> 3,960 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 17	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** ABOUT 1 MI E OF ALDER SPRINGS, N OF RD 168, SIERRA NF.  
**Location Detail:**MAPPED IN NW 1/4 OF NW 1/4 OF SECTION 17 PER T-R-S PROVIDED BY HAMON.  
**Ecological:** S EXPOSURE ON ROCKY OUTCROP.  
**Threat:** ROAD WIDENING THREAT.  
**General:** SEVERAL HUNDRED PLANTS SEEN IN 1980.  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 31	<b>Map Index:</b> 15422	<b>EO Index:</b> 19203	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1903-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1903-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> CONGDON, J. SN UC #82057 (HERB)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03332° / -119.38691°	<b>UTM:</b> Zone-11 N4101233 E287697	<b>Radius:</b> 3/5 mile	<b>Elevation:</b>	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 30	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** NEAR TOP OF TOLLHOUSE HILL ABOVE GRAPEVINE SPRING.  
**Ecological:** SEEN ON ROCKS.  
**General:** THIS SPECIMEN WAS ERRONEOUSLY IDENTIFIED AS LUPINUS DEFLEXUS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 32	<b>Map Index:</b> 15342	<b>EO Index:</b> 19202	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1969-05-01
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1969-05-01
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-10-23
<b>Main Source:</b> MENZIES, B. SN CAS (HERB)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07939° / -119.45264°	<b>UTM:</b> Zone-11 N4106494 E281982	<b>Radius:</b> 1 mile	<b>Elevation:</b> 3,200 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 10	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** 3 MI FROM AUBERRY ON JOSE BASIN RD.  
**Owner/Manager:** USFS-SIERRA NF, PVT?

<b>Occurrence No.</b> 33	<b>Map Index:</b> 38557	<b>EO Index:</b> 33564	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-06-12
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-06-12
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10439° / -119.39817°	<b>UTM:</b> Zone-11 N4109144 E286895	<b>Radius:</b> 80 meters	<b>Elevation:</b> 3,320 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 31	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** ABOUT 1.2 MI SSW OF SUGARLOAF HILL, 100 YARDS W OF SUGARLOAF ROAD, 0.3 MI N OF ITS JCT W/F RD 9S68.  
**Location Detail:** SE1/4 OF NW1/4 OF SECTION 31.  
**Ecological:** IN SMALL POCKETS OF GRANITIC SAND AROUND A GRANITE SLAB ABOUT 100 FT ACROSS. SCATTERED ARCTOSTAPHYLOS AND PONDEROSA.  
**Threat:** GENERAL AREA IS EXPERIMENTAL RANGE DEVELOPED FOR CATTLE; SOME CATTLE PRINTS IN 1989.  
**General:** 300 PLANTS IN 1989.  
**Owner/Manager:** USFS-SIERRA NF



Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 34	<b>Map Index:</b> 38558	<b>EO Index:</b> 33565	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1989-06-12
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-06-12
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09849° / -119.40331°	<b>UTM:</b> Zone-11 N4108501 E286421	<b>Area:</b> 3.1 ac	<b>Elevation:</b> 3,450 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 31	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** 1.45-1.65 MI SSW OF SUGARLOAF HILL, WEST SIDE OF SUGARLOAF ROAD, ABOUT 0.2 AND 0.4 MI W OF ITS JCT W/FS RD 9S68.  
**Location Detail:** SW1/4 OF SW1/4 OF SECTION 31.  
**Ecological:** ON A SANDY KNOLL AND SANDY FIELDS AND SHELVES AMONG GRANITE SLABS. WITH SPARSE ARCTOSTAPHYLOS, P. PONDEROSA, LOTUS CF NEVADENSIS, AND ALLIUM SP.  
**Threat:** LOGGING NEARBY; NORTHERN SUBPOPULATION IS IN A SPOT BESIDE THE ROAD USED FOR TURNING OUT, PARKING, OR PICNICKING.  
**General:** 2000-4000 PLANTS ESTIMATED IN 1989 IN 2 SUBPOPULATIONS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 35	<b>Map Index:</b> 38559	<b>EO Index:</b> 33566	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08974° / -119.39283°	<b>UTM:</b> Zone-11 N4107506 E287328	<b>Radius:</b> 80 meters	<b>Elevation:</b> 3,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 06	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** 2.2 MI SOUTH OF SUGARLOAF HILL, EAST OF FS RD 9S68, 0.25 MI NORTH OF ITS JCT WITH ROAD TO CORLEW MEADOWS.  
**Location Detail:** SW1/4 OF NE1/4 OF SECTION 6.  
**Ecological:** IN SANDY FIELD WITH YELLOW PINE, LIVE OAK, AND ARCTOSTAPHYLOS.  
**Threat:** AREA HAD BEEN LOGGED AND CLEARED AND RECENTLY PLANTED IN PINE; POP. WIDELY SCATTERED THRU PLANTATION.  
**General:** 400-600 PLANTS ESTIMATED IN 1989.  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 37	<b>Map Index:</b> 38562	<b>EO Index:</b> 33569	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-05-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10697° / -119.43013°	<b>UTM:</b> Zone-11 N4109503 E284062	<b>Area:</b> 5.6 ac	<b>Elevation:</b> 5,020 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 23E	<b>Section:</b> 35	<b>Qtr:</b> N	<b>Meridian:</b> M
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**Location:** ABOUT 2.2-2.5 MI SW OF SUGARLOAF HILL, 0.25 MI DUE S OF WHERE SUGARLOAF RD CROSSES SECTION LINE SEPARATING SECS 35 & 26.  
**Ecological:** DECOMPOSED GRANITE FLATS AMONG GRANITE SLABS. WITH OCCASIONAL P. SABINIANA, ARCTOSTAPHYLOS MARIPOSA, AND L. STIVERSII. ABOUT 4080-5060 FT ELEVATION.  
**General:** 700-800 PLANTS IN 2 SUBPOPULATIONS SEEN IN 1989. NOT THRIVING IN 1989.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 38	<b>Map Index:</b> 38561	<b>EO Index:</b> 33568	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1989-04-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-04-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> BYXBE, M. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10161° / -119.42609°	<b>UTM:</b> Zone-11 N4108898 E284406	<b>Area:</b> 2.7 ac	<b>Elevation:</b> 4,500 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 23E	<b>Section:</b> 35	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** 2.2 MI SW OF SUGARLOAF HILL, ABOUT 1.5 MI N OF MEADOW LAKES.  
**Location Detail:** AT LERONA FIRE LANE (UPPER ITALIAN CREEK) AT SUMMIT 4528.  
**Ecological:** SANDY (DECOMPOSED GRANITE) FIELDS WITH SHORT GRASSES AND CLUMPS OF ARCTOSTAPHYLOS MARIPOSA AND L. CF MICRANTHUS.  
**Threat:** A FEW SUMMER HOMES NEARBY, AREA SENSITIVE TO VEHICULAR USE; SOME EVIDENCED IN 1989.  
**General:** 1000 PLANTS IN 1989.  
**Owner/Manager:** PVT IN USFS-SIERRA NF

<b>Occurrence No.</b> 39	<b>Map Index:</b> 38563	<b>EO Index:</b> 33570	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1993-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> STEBBINS, J. 1993 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03749° / -119.49455°	<b>UTM:</b> Zone-11 N4101941 E278134	<b>Radius:</b> 80 meters	<b>Elevation:</b> 1,800 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 30	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** 0.45 MI SE OF JCT OF HWY 168 AND AUBERRY ROAD, 0.5 MI SOUTH OF BIG SANDY CREEK.  
**Location Detail:** FAR NE 1/4 OF SECTION 30.  
**Ecological:** OPEN GRANITIC OUTCROP IN LIVE OAK WOODLAND IN DECOMPOSED GRANITIC SOIL. SURROUNDED BY QUERCUS WISLIZENII, Q. DOUGLASII, AND ARCTOSTAPHYLOS VISCIDA.  
**Threat:** CURRENTLY GRAZED, SITE PROPOSED FOR SUBDIVISION.  
**General:** 300 PLANTS IN 1993.  
**Owner/Manager:** PVT IN USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 40	<b>Map Index:</b> 38564	<b>EO Index:</b> 33571	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1989-05-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-05-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> STEBBINS, J. 1989 (OBS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02230° / -119.46959°	<b>UTM:</b> Zone-11 N4100198 E280310	<b>Area:</b> 4.1 ac	<b>Elevation:</b> 2,060 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 33	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** 1.5 MI NW OF BLACK MOUNTAIN, 1.5 MI DUE SOUTH OF WHERE LODGE ROAD CONNECTS WITH HWY 168.  
**Location Detail:** JUST SOUTH OF ELEVATION MARKER ON TOPO "2189".  
**Ecological:** ON LOOSE GRANITIC GRAVEL WITHIN FLAT GRANITE OUTCROPS. WITH MIMULUS LAYNEAE, L. BENTHAMII, BROMUS MADRITENSIS RUBENS, & LOTUS ARGOPHYLLUS.  
**Threat:** PRIVATE GRAZING AND NEARBY DEVELOPMENT. BIGGEST THREAT IS PROPOSED CALTRANS HWY PROJECT (HWY 168).  
**General:** 30 PLANTS IN 1989.  
**Owner/Manager:** CALTRANS

<b>Occurrence No.</b> 60	<b>Map Index:</b> 49144	<b>EO Index:</b> 49144	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-07-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-07-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-24
<b>Main Source:</b> STEBBINS, J. 1979 (PERS)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03377° / -119.41358°	<b>UTM:</b> Zone-11 N4101343 E285326	<b>Area:</b> 7.7 ac	<b>Elevation:</b> 2,450 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 25	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** SOUTHERN END OF BIG SANDY BLUFFS, 2.2 AIRMILES ESE OF SIERRA JOINT UNION HIGH SCHOOL.  
**General:** ONLY SOURCE OF INFORMATION IS MAP & LETTER FROM STEBBINS. NEEDS FIELDWORK TO CONFIRM LOCATION.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 65	<b>Map Index:</b> 49171	<b>EO Index:</b> 49171	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-09-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-09-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> HAMON, D. 1980 (MAP)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10955° / -119.38312°	<b>UTM:</b> Zone-11 N4109683 E288247	<b>Area:</b> 2.9 ac	<b>Elevation:</b> 3,400 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 32	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** WEST OF JOSE CREEK, APPROXIMATELY 1.0 AIRMILE SOUTHEAST OF SUGARLOAF HILL.  
**Location Detail:** MAPPED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 32  
**General:** ONLY SOURCE OF INFORMATION IS 15 MINUTE QUADRANGLE MAP. NEEDS FIELDWORK.  
**Owner/Manager:** UNKNOWN

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> Species of Concern	<b>Global:</b> G2T2	<b>CNPS List:</b> 1B
<b>State:</b> None	<b>State:</b> S2.2	<b>R-E-D Code:</b> 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 66	<b>Map Index:</b> 49172	<b>EO Index:</b> 49172	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-09-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-09-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> HAMON, D. 1980 (MAP)			

**Quad Summary:** AUBERRY (3711914/397C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09545° / -119.38555°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4108124 E287991	<b>Range:</b> 24E
<b>Area:</b> 21.1 ac	<b>Section:</b> 05
<b>Elevation:</b> 3,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** ALONG JOSE CREEK, APPROXIMATELY 0.2 MILE NORTH OF CONFLUENCE OF MUSICK CREEK WITH JOSE CREEK.

**Location Detail:** MAPPED PRIMARILY IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 5

**General:** ONLY SOURCE OF INFORMATION IS 15 MINUTE QUADRANGLE MAP. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

**Lytta molesta**

molestan blister beetle

Element Code: IICOL4C030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status:
State: None	State: S2	

**Habitat Associations**

**General:** INHABITS THE CENTRAL VALLEY OF CALIFORNIA, FROM CONTRA COSTA TO KERN AND TULARE COUNTIES.

**Micro:**

<b>Occurrence No.</b> 2	<b>Map Index:</b> 15282	<b>EO Index:</b> 22652	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 19XX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 19XX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> SELANDER, R. 1960 (LIT)			

**Quad Summary:** AUBERRY (3711914/397C), MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07938° / -119.48653°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4106571 E278969	<b>Range:</b> 23E
<b>Radius:</b> 1 mile	<b>Section:</b> 08 <b>Qtr:</b> N
<b>Elevation:</b> 2,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** AUBERRY, 10 MI WSW OF SHAVER LAKE.

**Location Detail:** FOUND IN THE CENTRAL VALLEY FROM CONTRA COSTA TO TULARE AND KERN COUNTIES.

**General:** SEASONAL DISTRIBUTION: APRIL 3 - JULY 1. ONE COLLECTED IN APRIL FROM ERODIUM CICUTARIUM; YEAR OF COLLECTION INKNOWN.

**Owner/Manager:** PVT, USFS-SIERRA NF

Oravelia pege

Dry Creek cliff strider bug

Element Code: IIHEM14010

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: Species of Concern Global: G1 CDFG Status:  
 State: None State: S1

Habitat Associations

General: KNOWN ONLY FROM DRY CREEK IN FRESNO COUNTY.

Micro: FOUND IN CRACKS & CREVICES OF A SHEER ROCKY CLIFF MOISTENED BY SEEPING WATER AND UNDER DEBRIS AT THE BASE OF THE CLIFF.

Occurrence No. 1 Map Index: 15391 EO Index: 22612 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1964-05-13  
 Origin: Natural/Native occurrence Site: 1964-05-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1989-08-11  
 Main Source: POLHEMUS, J. & H. CHAPMAN 1979 (LIT)

Quad Summary: HUMPHREYS STATION (3611984/377B), AUBERRY (3711914/397C)

County Summary: FRESNO

Lat/Long: 36.99272° / -119.41291° Township: 11S  
 UTM: Zone-11 N4096786 E285270 Range: 23E  
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 12 Qtr: XX  
 Elevation: 1,600 ft Symbol Type: POINT Meridian: M

Location: DRY CREEK 2-3 MI SW TOLLHOUSE.

Location Detail: ONLY KNOWN FROM THIS LOCATION.

Ecological: FOUND IN CRACKS IN THE BASAL SECTION OF THE FACE OF A SHEER ROCKY CLIFF, CONTINUOUSLY MOISTENED BY SEEPING WATER; ALSO FOUND UNDER ROCKS, LEAVES, AND OTHER MOIST DEBRIS AT THE FOOT OF THE CLIFF.

General: NYMPHS SEEN ON MOIST CLIFF WALLS IN APRIL.

Owner/Manager: UNKNOWN

Viburnum ellipticum

oval-leaved viburnum

Element Code: PDCPR07080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CNPS List: 2
State: None	State: S2.3	R-E-D Code: 2-1-1

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.  
**Micro:** 215-1400M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 49953	<b>EO Index:</b> 49953	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1959-05-22
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1959-05-22
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-01-22
<b>Main Source:</b> QUIBELL, C. #8516 JEPS #22697 (HERB)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04159° / -119.40434°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4102189 E286170	<b>Range:</b> 23E
<b>Radius:</b> 2/5 mile	<b>Section:</b> 24
<b>Elevation:</b> 3,650 ft	<b>Qtr:</b> SE
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** 0.5 MILES NORTH OF TOLLHOUSE VILLAGE.  
**Location Detail:** JUNCTION OF HWY 168 WITH BEAL FIRE ROAD.  
**Ecological:** ON NORTH-FACING SLOPE IN DENSE CHAPPARAL WITH QUERCUS BELOW YELLOW PINE FOREST.  
**General:** NEEDS FIELDWORK. SEVERAL COLLECTIONS MAPPED HERE: "0.5 MI N OF OF TOLLHOUSE VILLAGE," "TOLLHOUSE GRADE," "FRESNO CO., NEAR TOLLHOUSE GRADE."  
**Owner/Manager:** UNKNOWN

<b>Occurrence No. 2</b>	<b>Map Index:</b> 49954	<b>EO Index:</b> 49954	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1972-05-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1972-05-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-01-22
<b>Main Source:</b> MENZIES, A. SN JEPS #74303 (HERB)			

**Quad Summary:** AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03241° / -119.44857°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101271 E282209	<b>Range:</b> 23E
<b>Area:</b> 72.4 ac	<b>Section:</b> 27
<b>Elevation:</b> 3,300 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** 4.1 MILES WEST OF TOLLHOUSE ON ROAD TO PRATHER.  
**Location Detail:** MAPPED ALONG LODGE ROAD 4.1 MILES W OF TOLLHOUSE.  
**General:** NEEDS FIELDWORK. ONLY SOURCE OF INFORMATION IS 1972 COLLECTION BY MENZIES.  
**Owner/Manager:** UNKNOWN

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: Species of Concern  
 State: Threatened

Global: G5T3  
 State: S1

CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

**Occurrence No.** 58

**Map Index:** 36348

**EO Index:** 31345

**Dates Last Seen**

**Occ Rank:** Excellent

**Element:** 1987-03-02

**Origin:** Natural/Native occurrence

**Site:** 1987-03-02

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1997-08-05

**Main Source:** MARTIN, D. 1987 (OBS)

**Quad Summary:** AUBERRY (3711914/397C)

**County Summary:** FRESNO

**Lat/Long:** 37.06550° / -119.45687°

**Township:** 10S

**UTM:** Zone-11 N4104962 E281566

**Range:** 23E

**Radius:** 1/10 mile

**Mapping Precision:** NON-SPECIFIC

**Section:** 15

**Qtr:** NW

**Elevation:** 2,000 ft

**Symbol Type:** POINT

**Meridian:** M

**Location:** NORTH SIDE OF HWY 168, 1.8 MILES NE OF THE LODGE ROAD INTERSECTION, SIERRA NATIONAL FOREST

**Ecological:** SITE IS FOUND AT THE FOOT OF BIG SANDY BLUFFS; CARPINTERIA SP AND LUPINUS CITRINUS HABITAT.

**General:** ADULT FOX CROSSED THE HWY (HEADING NORTH) & SAT UNDER COVER, FOR ABOUT 1 MINUTE ON 2 MAR 1987.

**Owner/Manager:** USFS-SIERRA NF



Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

<b>Status</b> _____	<b>NDDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G2	<b>CNPS List:</b> 1B
<b>State:</b> None	<b>State:</b> S2.2	<b>R-E-D Code:</b> 2-2-3

**Habitat Associations** \_\_\_\_\_

**General:** LOWER MONTANE CONIFEROUS FOREST, PINYON JUNIPER WOODLAND, UPPER MONTANE CONIFEROUS FOREST.  
**Micro:** FINE GRAVEL ON ROCK OUTCROPS, RIDGES, OR DOMES. GRANITIC SOILS. 1560-2610M.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 28260	<b>EO Index:</b> 985	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1986-03-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1986-03-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-08-22
<b>Main Source:</b> TAYLOR, D. 1986 (OBS)			

**Quad Summary:** BALLOON DOME (3711942/416B), SQUAW DOME (3711943/417A)

**County Summary:** MADERA

<b>Lat/Long:</b> 37.42881° / -119.25041°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4144820 E300883	<b>Range:</b> 25E
<b>Area:</b> 9.5 ac	<b>Section:</b> 04
<b>Elevation:</b> 5,150 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** DOME ABOUT 0.75 MILE SOUTHWEST OF CONFLUENCE OF S FORK SAN JOAQUIN RIVER AND SAN JOAQUIN RIVER, SIERRA NATIONAL FOREST.  
**Location Detail:** MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 04.

**Ecological:** SHALLOW DECOMPOSED GRANITE DEPOSITS ON OPEN DOME IN JEFFREY PINE FOREST. 30% COVER OF SELAGINELLA WATSONII.

**General:** 500 PLANTS OBSERVED IN 1986. INCLUDES 1986 COLLECTION BY TAYLOR #8727 UC.

**Owner/Manager:** USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3	CDFG Status:
State: Threatened	State: S1	

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 15605	<b>EO Index:</b> 23757	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1964-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1964-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** BALLOON DOME (3711942/416B), SQUAW DOME (3711943/417A)

**County Summary:** FRESNO, MADERA

<b>Lat/Long:</b> 37.40021° / -119.26263°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4141673 E299726	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 17
<b>Elevation:</b> 4,700 ft	<b>Meridian:</b> M
	<b>Qtr:</b> S
	<b>Mapping Precision:</b> NON-SPECIFIC
	<b>Symbol Type:</b> POINT

**Location:** BROWN CONE AREA.

**Ecological:** HARDWOOD WOODLAND.

**Owner/manager:** UNKNOWN

Carex praticola		
meadow sedge		Element Code: PMCYP03B20
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CNPS List: 2
State: None	State: S2S3	R-E-D Code: 2-2-1
Habitat Associations		
General: MEADOWS.		
Micro: MOIST TO WET MEADOWS. 0-3200M.		

Occurrence No. 1      Map Index: 36370      EO Index: 31367      Dates Last Seen

Occ Rank: Unknown      Element: 1984-06-30

Origin: Natural/Native occurrence      Site: 1984-06-30

Presence: Presumed Extant

Trend: Unknown      Record Last Updated: 1997-08-06

Main Source: TAYLOR, D. #8523 UC (HERB)

Quad Summary: CASCADEL POINT (3711924/397B), SHUTEYE PEAK (3711934/417C)

County Summary: MADERA

Lat/Long: 37.23616° / -119.47962°	Township: 08S
UTM: Zone-11 N4123952 E280038	Range: 23E
Radius: 1 mile	Section: 17      Qtr: XX
Elevation: 3,400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

Location: PITCHER CREEK, NORTHWEST OF CASCADEL POINT.

Location Detail: SITE NAME "PITCHER CREEK" IS NOT SHOW ON TOPO. USGS GAZATEER DESCRIBES PITCHER CREEK IN MADERA COUNTY TO BE T08S R23E SECTION 17.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1984 COLLECTION BY TAYLOR.

Owner/Manager: UNKNOWN

**Carpenteria californica**

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 15355	<b>EO Index:</b> 13932	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1987-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1987-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08337° / -119.42828°	<b>UTM:</b> Zone-11 N4106879 E284159	<b>Area:</b> 14,600.6 ac	<b>Elevation:</b> 3,920 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 10	<b>Qtr:</b> E	<b>Meridian:</b> M
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**Location:** BIG SANDY BLUFFS NORTH TO JUST SOUTH OF SAN JOAQUIN RIVER NEAR ITALIAN BAR.  
**Location Detail:** INCLUDES SEVERAL COLLECTIONS FROM "5 MI ABOVE AUBERRY ON ROAD TO PINERIDGE" AND VICINITY.  
**Ecological:** DECOMPOSED GRANITE IN CHAPARRAL. ASSOCIATED WITH CEANOETHUS, PEDICULARIS, DELPHINIUM, SAMBUCUS, CERCIS OCCIDENTALIS, ASCLEPIAS, ARCTOSTAPHYLOS MARIPOSA, ERIODICTYON CALIFORNICA, AND UMBELLARIA CALIFORNICA.  
**Threat:** THREATENED BY A PROPOSED NEW STATE HIGHWAY PROJECT AND SPRAWLING FOOTHILL DEVELOPMENT.  
**General:** PART OF AREA IS USFS RNA; ANOTHER PART IS USFS CARPENTERIA BOTANICAL AREA. SEVERAL THOUSAND PLANTS SEEN IN 1986 ALONG GRADE UP BIG SANDY BLUFFS (HWY 168). HWY BISECTS OCCURRENCE. PART OF OCCURRENCE BURNED IN 1984.  
**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No. 3</b>	<b>Map Index:</b> 15274	<b>EO Index:</b> 13931	<b>Dates Last Seen</b>
<b>Occ Rank:</b> None			<b>Element:</b> 1936-XX-XX
<b>Origin:</b> Transplant Outside of Native Hab./Range			<b>Site:</b> 1975-02-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1994-07-13
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.16167° / -119.49353°	<b>UTM:</b> Zone-11 N4115718 E278587	<b>Area:</b> 230.2 ac	<b>Elevation:</b> 2,500 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 23E	<b>Section:</b> 08	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** NEAR CORRINE LAKE, APPROX 5.5 AIR MI N OF AUBERRY.  
**General:** SP SEEN IN 1936. SEARCHED FOR IN 1975 BUT NOT LOCATED. PLANTED; NOT A NATURAL POPULATION AND PROBABLY ELIMINATED DUE TO LAND FILL AND ROAD CONSTRUCTION (STEBBINS, 1975).  
**Owner/Manager:** UNKNOWN

<b>Occurrence No. 12</b>	<b>Map Index:</b> 36476	<b>EO Index:</b> 31473	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1997-05-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-05-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-08-22
<b>Main Source:</b> CLINES, J. ET AL 1997 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.17215° / -119.48096°	<b>UTM:</b> Zone-11 N4116852 E279734	<b>Radius:</b> 80 meters	<b>Elevation:</b> 1,800 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 09S	<b>Range:</b> 23E	<b>Section:</b> 05	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** 1.15 MI NE OF CORRINE LAKE. ALONG WILLOW CREEK, ABOUT 0.5 MI N OF CONFLUENCE WITH WHISKY CREEK.  
**Ecological:** E-FACING SLOPE AT TOP OF SEEPY GRANITE FACE AND UPSLOPE IN SHADE OF Q. CHRYSOLEPIS, AESCULUS CALIFORNICA, & UMBELLULARIA CA. ASSOCIATED WITH TOXICODENDRON DIVERSILOBUM, CERCIS OCCIDENTALIS, ERIODICTYON CA, DRYOPTERIS ARGUTA, AND CAREX.  
**Threat:** AREA IS GRAZED FROM JANUARY THROUGH JUNE. POSSIBLE THREAT FROM LACK OF FIRE AND SHADING/COMPETITION OF OVERSTORY.  
**General:** 40 PLANTS IN 1997.  
**Owner/Manager:** USFS-SIERRA NF

Central Valley Drainage Hardhead/Squawfish Stream

Element Code: CARA2443CA

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G? State: S?	
Habitat Associations		
General:		
Micro:		

Occurrence No. 5      Map Index: 25577      EO Index: 5337      Dates Last Seen

Occ Rank: Good      Element: 1986-XX-XX  
 Origin: Natural/Native occurrence      Site: 1986-XX-XX  
 Presence: Presumed Extant  
 Trend: Decreasing      Record Last Updated: 1994-06-17  
 Main Source: MOYLE, PETER 1991 (LIT)

Quad Summary: AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A)  
 County Summary: FRESNO, MADERA

Lat/Long: 37.13659° / -119.48961°      Township: 09S  
 UTM: Zone-11 N4112926 E278862      Range: 23E  
 Area: 559.3 ac      Mapping Precision: NON-SPECIFIC      Section: 28      Qtr: XX  
 Elevation: 1,200 ft      Symbol Type: POLYGON      Meridian: M

Location: SAN JOAQUIN RIVER, BETWEEN KERCKHOFF & REDINGER RESERVOIRS.  
 Location Detail: BETWEEN KERCKHOFF RESERVOIR AND REDINGER RESERVOIR. ALSO INCLUDES WILLOW CREEK FROM MOUTH TO CONFLUENCE OF WHISKY CREEK.  
 Ecological: DEEP, ROCKY POOL HABITAT IN STEEP CANYON WHICH CONTAINS HARDHEAD, SQUAWFISH, AND SACRAMENTO SUCKER. FLOWS ARE REGULATED BY UPSTREAM DAMS. WILLOW, PINE, OAK, COTTONWOOD, AND CEDAR RIPARIAN VEGETATION.  
 Threat: GRAZING DEGRADING STREAMBANKS ON LOWER WILLOW CREEK. DAMS UPSTREAM MINIMIZING FLOWS.  
 General: LOCAL SUPPORT FOR PROTECTION OF STREAM BY "SAVE OUR STREAMS, INC."  
 Owner/Manager: PVT

Central Valley Drainage Rainbow Trout/Cyprinid Stream

Element Code: CARA2422CA

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G?  
 State: None State: S?

\_\_\_\_\_ Habitat Associations \_\_\_\_\_  
 General:  
 Micro:

Occurrence No. 1 Map Index: 25576 EO Index: 5393 \_\_\_\_\_ Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 1986-08-13  
 Origin: Natural/Native occurrence Site: 1986-08-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1994-06-21  
 Main Source: BROWN, LARRY 1987 (LIT)

Quad Summary: CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A)  
 County Summary: MADERA

Lat/Long: 37.20409° / -119.49039° Township: 08S  
 UTM: Zone-11 N4120418 E278989 Range: 23E  
 Area: 544.2 ac Mapping Precision: NON-SPECIFIC Section: 19 Qtr: XX  
 Elevation: 2,400 ft Symbol Type: POLYGON Meridian: M

Location: WILLOW CREEK, TRIBUTARY TO SAN JOAQUIN RIVER, AT TOWN OF NORTH FORK.  
 Location Detail: FROM WHISKY CREEK CONFLUENCE UPSTREAM TO LOWER REACHES OF NORTH AND SOUTH FORK WILLOW CK.  
 Ecological: FISH ASSEMBLAGE INCLUDES RAINBOW TROUT, SACRAMENTO SUCKER, CALIFORNIA ROACH, AND PRICKLY SCULPINS. OAK, ALDER, ASH AND PINE TREES ARE DOMINANT RIPARIAN VEGETATION.  
 Threat: DEVELOPMENT, INCLUDING MANY NEW ROADS AROUND TOWN OF NORTH FORK. CONTROLLED FLOWS ON NF WILLOW CREEK BY SERIES OF DAMS.  
 Owner/Manager: PVT

Central Valley Drainage Resident Rainbow Trout Stream

Element Code: CARA2421CA

Status Federal: None State: None	NDDB Element Ranks Global: G? State: S?	Other Lists
Habitat Associations General: Micro:		

Occurrence No. 5	Map Index: 25877	EO Index: 5390	Dates Last Seen
Occ Rank: Good			Element: 1986-08-13
Origin: Natural/Native occurrence			Site: 1986-08-13
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-06-17
Main Source: MOYLE, PETER 1991 (LIT)			

Quad Summary: CASCADEL POINT (3711924/397B), SHUTEYE PEAK (3711934/417C)  
 County Summary: MADERA

Lat/Long: 37.22441° / -119.45854°	Township: 08S
UTM: Zone-11 N4122599 E281875	Range: 23E
Area: 808.9 ac	Section: 16
Elevation: 3,600 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

**Location:** WHISKY CREEK, TRIB TO WILLOW CK, NORTH OF REDINGER RESERVOIR.  
**Location Detail:** FROM MOUTH TO WHISKY FALLS. INCLUDES MAJOR TRIBS WITH TROUT.  
**Ecological:** MIXED POPULATION OF RAINBOW AND BROWN TROUT. WELL SHADED STREAM WITH BOULDER SUBSTRATE AND FLOW OF ABOUT 2 CFS. ASH, ALDER AND OAK RIPARIAN VEGETATION.  
**Threat:** HOUSES BUILT ALONG STREAM. ROAD CROSSINGS COMMON.  
**Owner/Manager:** USFS-SIERRA NF

*Collomia rawsoniana*

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No.</b> 14	<b>Map Index:</b> 15331	<b>EO Index:</b> 25911	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-03-02
<b>Main Source:</b> KOBETICH, G. 1985 (PERS)			

**Quad Summary:** CASCADEL POINT (3711924/397B), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.25961° / -119.46131°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4126511 E281730	<b>Range:</b> 23E
<b>Area:</b> 131.3 ac	<b>Section:</b> 04
<b>Elevation:</b> 5,200 ft	<b>Qtr:</b> SE
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** PECKINPAH CREEK & PECKINPAH MEADOW.  
**Location Detail:** AT PECKINPAH MEADOW TRIBUTARY TO PECKINPAH CREEK. RIPARIAN ZONE ALONG CREEK MAPPED FROM USFS DOCUMENT (USF84R02).  
**Ecological:** ASSOCIATED WITH ALNUS RHOMBIFOLIA AND RHODODENDRON OCCIDENTALE.  
**General:** MANY HUNDREDS OF PLANTS SEEN IN 1979.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 15	<b>Map Index:</b> 15358	<b>EO Index:</b> 11875	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-03-02
<b>Main Source:</b> BRANDT, M. 1979 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.25993° / -119.44445°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4126508 E283227	<b>Range:</b> 23E
<b>Area:</b> 748.7 ac	<b>Section:</b> XX
<b>Elevation:</b> 5,400 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** WHISKY CREEK, OWL CREEK, ROUSH CREEK, & GERTRUDE CREEK, AND TRIBUTARIES.  
**Ecological:** SHADED TO OPEN RIPARIAN AREAS. ASSOCIATED WITH ALNUS RHOMBIFOLIA, RHODODENDRON OCCIDENTALE, RUBUS PARVIFLORA, PELTAPHYLLUM PELTATUM, AQUILEGIA FORMOSA, CAREX SPP., CALOEDRUS DECURRENS, CORNUS, AND RIBES.  
**Threat:** HYDRO PROJECTS PLANNED. LOGGING AND GRAZING ALSO THREATEN.  
**General:** MANY THOUSANDS OF PLANTS IN PATCHES FROM DENSE TO DIFFUSE. THIS IS THE BEST COLLOMIA STREAM.  
**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No.</b> 16	<b>Map Index:</b> 15385	<b>EO Index:</b> 18527	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> WILLING, B. 1979 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.20188° / -119.41569°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4120001 E285613	<b>Range:</b> 23E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 25
<b>Elevation:</b> 4,000 ft	<b>Qtr:</b> SW
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** SAGINAW CREEK, APPROX 0.5 MI WEST OF MAMMOTH RD XING.  
**Ecological:** SHADED RIPARIAN AREA; SANDY WET SOIL. ASSOCIATED WITH ALNUS RHOMBIFOLIA, MIMULUS SPP., AND AQUILEGIA FORMOSA.  
**General:** SEVERAL HUNDRED PLANTS IN 1979.  
**Owner/Manager:** USFS-SIERRA NF



**Collomia rawsoniana**

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No.</b> 17	<b>Map Index:</b> 15311	<b>EO Index:</b> 18525	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1982-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1982-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> STEBBINS, J. 1982 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.19993° / -119.47236°	<b>UTM:</b> Zone-11 N4119914 E280578	<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 2,560 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 08S	<b>Range:</b> 23E	<b>Section:</b> 28	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** ALONG WHISKY CREEK APPROX 0.25 AIRMI SOUTH OF MAMMOTH RD XING.  
**Ecological:** IN RIPARIAN AREA.  
**Threat:** SMALL HYDRO PROJECT PLANNED.  
**General:** LESS THAN 50 PLANTS IN 1982.

**Owner/Manager:** PVT

<b>Occurrence No.</b> 18	<b>Map Index:</b> 15481	<b>EO Index:</b> 12322	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-02-23
<b>Main Source:</b> BRANDT, M. 1979 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B), MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.24031° / -119.36255°	<b>UTM:</b> Zone-11 N4124146 E290437	<b>Area:</b> 423.7 ac	<b>Elevation:</b> 4,200 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 24E	<b>Section:</b> 16	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** ROSS CREEK, CLEARWATER CREEK, & UNNAMED TRIBUTARY NEAR HOGUE RANCH.  
**Location Detail:** ALSO IN SECTIONS 7, 8, 17, & 18.  
**Ecological:** SHADED RIPARIAN AREAS. ASSOCIATED WITH ALNUS RHOMBIFOLIA, MIMULUS CARDINALIS, RHODODENDRON OCCIDENTALE, AQUILEGIA FORMISA, MIMULUS, RUBUS AND CORNUS.  
**Threat:** PROPOSED RV CAMP AT HOGUE RANCH.  
**General:** MANY HUNDREDS OF PLANTS IN 1979, 500 SEEN IN 1991 ALONG TRIB. TO ROSS CREEK.

**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No.</b> 19	<b>Map Index:</b> 15370	<b>EO Index:</b> 28901	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1991-06-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-14
<b>Main Source:</b> LISKEY, E. 1991 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.24693° / -119.42750°	<b>UTM:</b> Zone-11 N4125027 E284693	<b>Area:</b> 67.5 ac	<b>Elevation:</b> 5,900 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 23E	<b>Section:</b> 11	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** VICINITY OF BENEDICT MEADOW (AKA ELLIS MDW); FOUND UPSTREAM & DOWNSTREAM OF WHERE RD 7S76 CROSSES STREAM & S OF MEADOW.  
**Location Detail:** PLANTS S OF MEADOW ON BOTH SIDES OF ROAD 7S07.  
**Ecological:** IN SHADED UNDERSTORY OF MIXED CONIFER FOREST. ASSOCIATED WITH RHODODENDRON OCCIDENTALE, CORNUS, RIBES, AND ALNUS.  
**Threat:** LOGGING AND CATTLE GRAZING THREATEN.  
**General:** 100 VIGOROUS PLANTS IN 1980, AT LEAST 5000 IN 1991. BETTER MAP DETAIL NEEDED.

**Owner/Manager:** USFS-SIERRA NF

**Collomia rawsoniana**

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No.</b> 20	<b>Map Index:</b> 30821	<b>EO Index:</b> 20976	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-24
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-24
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-03-20
<b>Main Source:</b> LISKEY, E. 1991 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.23777° / -119.42378°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124002 E284997	<b>Range:</b> 23E
<b>Area:</b> 80.4 ac	<b>Section:</b> 14
<b>Elevation:</b> 5,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** N AND E OF MORMON HILL, ALONG UNNAMED TRIBUTARIES OF WHISKY CREEK.  
**Location Detail:** ALSO IN NW 1/4 OF SECTION 13. PLANTS FOUND NEAR RD 7S07, EXTENDING N ALONG CREEK FOR 0.3 MI AND E FOR 0.75 MI (TO PROHIBITION MEADOW).  
**Ecological:** ASSOC WITH RHODODENDRON OCCIDENTALE AND ALNUS TENUIFOLIA. COLLOMIA FOUND GROWING UP INTO FOREST AT LEAST 40 M FROM STREAM. UNIMPRESSIVE HABITAT QUALITY; NO EXTENSIVE RIPARIAN VEG.; DRAINAGE IS IN POOR SHAPE BUT HAVE MANY COLLOMIA HERE.  
**Threat:** LOGGING AND BANK EROSION ARE POTENTIAL THREATS.  
**General:** 14,000 PLANTS IN 1990, AT LEAST 10,000 IN 1991.  
**Owner/Manager:** USFS-SIERRA NF

**Emys (=Clemmys) marmorata**

western pond turtle

Element Code: ARAAD02030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None State: None	Global: G3G4 State: S3	CDFG Status: SC

**Habitat Associations**

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

<b>Occurrence No.</b> 45	<b>Map Index:</b> 32801	<b>EO Index:</b> 26856	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1993-07-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-07-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-02-14
<b>Main Source:</b> REPLOGLE, R. 1993 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.14881° / -119.40067°	<b>UTM:</b> Zone-11 N4114079 E286797	<b>Radius:</b> 80 meters	<b>Elevation:</b> 1,403 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 18	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** AT THE CONFLUENCE OF SAN JOAQUIN RIVER AND ITALIAN CREEK.  
**Location Detail:** SITE OCCURS IN THE PINE RIDGE DISTRICT OF THE SIERRA NATIONAL FOREST.  
**Ecological:** STREAM WITH MANY POOLS, LOW FLOW.  
**Threat:** POSSIBLE THREAT: SHALLOW WATER.  
**General:** 1 ADULT, 2 JUVENILES OBSERVED FORAGING IN POOLS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 50	<b>Map Index:</b> 32806	<b>EO Index:</b> 19336	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2002-05-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-05-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-08
<b>Main Source:</b> REPLOGLE, R. 1993 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11635° / -119.37916°	<b>UTM:</b> Zone-11 N4110428 E288618	<b>Area:</b> 338.0 ac	<b>Elevation:</b> 2,000 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> XX	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** JOSE CREEK, FROM SCE POWERHOUSE #3 TO THE SOUTH FOR APPROX. 6.0 MILES, JOSE BASIN  
**Location Detail:** TURTLES FOUND IN POOLS THROUGHOUT ENTIRE 6 MILES OF STREAM.  
**Ecological:** HABITAT CONSISTS OF A PERENNIAL STREAM WITH POOLS; CHANNEL TYPE RANGED FROM STEEP BEDROCK TO FLAT SILTY. DOMINANT RIPARIAN PLANTS INCLUDE ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.  
**Threat:** THREATENED BY PRESENCE OF BULLFROGS.  
**General:** UNKNOWN NUMBER OBSERVED AT JOSE BASIN ROAD; DATE UNKNOWN. 8 CAPTURED & RELEASED ON 15 JUL 1988. 38 ADULTS, 10 JUVENILES, 6 HATCHLINGS OBSERVED ON 21 JUL 1993. 3 ADULTS OBSERVED, 28 MAR 2002. 13 ADULTS/4 JUVENILES OBSERVED, 10-11 MAY  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 21	<b>Map Index:</b> 15381	<b>EO Index:</b> 19212	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1984-05-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1984-05-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> MARTZ, C. 1984 (OBS)			

**Quad Summary:** CASCADEL POINT (3711924/397B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13549° / -119.42041°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112645 E285006	<b>Range:</b> 23E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 24
<b>Elevation:</b> 2,900 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** N SIDE OF JOSE BASIN RD (OLD RR GRADE RD) 5.4 MI NE OF JCT W/ AUBERRY RD. NE OF LERONA.

**Ecological:** ON OUTCROP OF BEDROCK WITH DECOMPOSED GRANITE SANDS. IN FOOTHILL WOODLAND WITH PINUS SABINIANA, ARCTOSTAPHYLOS MARIPOSA, LUPINUS STIVERSII.

**General:** RESIDENCE NEARBY.

**Owner/Manager:** USFS-SIERRA NF

Rana boylei

foothill yellow-legged frog

Element Code: AAABH01050

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.  
**Micro:** NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

<b>Occurrence No.</b> 25	<b>Map Index:</b> 15269	<b>EO Index:</b> 28455	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1970-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1970-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> MOYLE, P. 1972 (PERS)			

**Quad Summary:** CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A), SHUTEYE PEAK (3711934/417C), BASS LAKE (3711935/418C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.23660° / -119.49819°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124044 E278392	<b>Range:</b> 23E
<b>Radius:</b> 1 mile	<b>Section:</b> 18
<b>Elevation:</b> 2,640 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** S FORK WILLOW CREEK.  
**Location Detail:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.  
**General:** COLL BTWN JULY & SEPT.  
**Owner/Manager:** PVT

<b>Occurrence No.</b> 369	<b>Map Index:</b> 52379	<b>EO Index:</b> 52379	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-05-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-05-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-09
<b>Main Source:</b> DOYLE, D. 2002 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13849° / -119.37836°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112884 E288750	<b>Range:</b> 24E
<b>Area:</b> 57.6 ac	<b>Section:</b> 20
<b>Elevation:</b>	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** JOSE CREEK, FROM JUST DOWNSTREAM OF ITALIAN BAR ROAD UPSTREAM TO JOSE BASIN ROAD  
**Ecological:** HABITAT CONSISTS OF RIPARIAN DOMINATED BY ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.  
**General:** 9 ADULTS, 3 JUVENILES, AND 2 EGGS MASSES OBSERVED ON 10-11 MAY 2002.  
**Owner/Manager:** PVT-SOUTHERN CAL EDISON, USFS

Strix nebulosa		Element Code: ABNSB12040	
great gray owl	Status	NDDB Element Ranks	Other Lists
Federal: None		Global: G5	CDFG Status:
State: Endangered		State: S1	
Habitat Associations			
General: (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.			
Micro: REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.			

Occurrence No. 11      Map Index: 15379      EO Index: 25527      Dates Last Seen

Occ Rank: Unknown      Element: 1977-05-25

\* SENSITIVE \*      Origin: Natural/Native occurrence      Site: 1977-05-25

Presence: Presumed Extant

Trend: Unknown      Record Last Updated: 1989-08-10

Main Source: CDFG RAPTOR NEST FILES 1985 (PERS)

Quad Summary: CASCADEL POINT (3711924/397B)  
 County Summary: MADERA

\* SENSITIVE \*      Lat/Long:      Township:

UTM:      Range:

Radius:      Mapping Precision:      Section:      Qtr:

Elevation:      Symbol Type:      Meridian:

Location: \*SENSITIVE\* Location information suppressed.  
 Location Detail: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.

Owner/Manager:

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No.</b> 5	<b>Map Index:</b> 15646	<b>EO Index:</b> 13928	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** DINKEY CREEK (3711912/396C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.01025° / -119.22511°	<b>Township:</b> 11S
<b>UTM:</b> Zone-11 N4098324 E302030	<b>Range:</b> 25E
<b>Area:</b> 1,165.5 ac	<b>Section:</b> 03
<b>Elevation:</b> 3,200 ft	<b>Qtr:</b> NE
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** ALONG BIG CREEK, JUST E OF BARNES MTN.

**Threat:** NUMEROUS 4WD & FIRE CONTROL RDS IN AREA. ALSO THREATENED BY COMPETITION W/WOODY SPECIES RESULTING FROM FIRE SUPPRESSION.

**General:** UNKNOWN WHEN SEEN. GOOD SITE QUALITY ACCORDING TO STEBBINS (1987). AREA NEEDS PRESCRIBED BURN.

**Owner/Manager:** USFS-SIERRA NF

**Empidonax traillii**

willow flycatcher

Element Code: ABPAE33040

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Endangered **State:** S1S2

**Habitat Associations**

**General:** (NESTING) INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 ELEV  
**Micro:** REQUIRE DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

**Occurrence No.** 31 **Map Index:** 15690 **EO Index:** 25329 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1982-06-00  
**Origin:** Natural/Native occurrence **Site:** 1986-07-03  
**Presence:** Presumed Extant  
**Trend:** Decreasing **Record Last Updated:** 1989-08-10  
**Main Source:** SERENA, M. 1982 (LIT)

**Quad Summary:** DINKEY CREEK (3711912/396C)  
**County Summary:** FRESNO

**Lat/Long:** 37.03244° / -119.18790° **Township:** 10S  
**UTM:** Zone-11 N4100709 E305399 **Range:** 25E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 25 **Qtr:** NE  
**Elevation:** 5,800 ft **Symbol Type:**POINT **Meridian:** M

**Location:** LOST MEADOW, SW OF DINKEY CREEK RANGER STATION, SIERRA NATL FOREST.  
**Ecological:** HABITAT IS TWO SMALL PATCHES OF WILLOW; EDGES HEAVILY GRAZED IN THE SUMMER.  
**General:** DFG COLONY #FR13. TWO TERRITORIAL MALES OBSERVED IN 1982; NONE SEEN IN 1984-86.  
**Owner/Manager:** PVT

**Occurrence No.** 32 **Map Index:** 15641 **EO Index:** 25330 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** None **Element:** 1982-06-00  
**Origin:** Natural/Native occurrence **Site:** 1986-07-02  
**Presence:** Possibly Extirpated  
**Trend:** Unknown **Record Last Updated:** 1991-05-29  
**Main Source:** HARRIS, J. 1986 (LIT)

**Quad Summary:** DINKEY CREEK (3711912/396C)  
**County Summary:** FRESNO

**Lat/Long:** 37.09466° / -119.22985° **Township:** 10S  
**UTM:** Zone-11 N4107700 E301829 **Range:** 25E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 03 **Qtr:** NE  
**Elevation:** 5,920 ft **Symbol Type:**POINT **Meridian:** M

**Location:** MARKWOOD MEADOW, ABOUT 4.5 MILES WNW OF DINKEY CREEK RANGER STATION, SIERRA NATIONAL FOREST.  
**Threat:** WILLOW AREA HEAVILY GRAZED AND VEHICLE ACCESS 100 M AWAY.  
**General:** DFG COLONY #FR12. ONE TERRITORIAL MALE OBSERVED IN 1982; NONE SEEN IN 1984-86.  
**Owner/Manager:** USFS-SIERRA NF

**Occurrence No.** 34 **Map Index:** 15710 **EO Index:** 25325 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-07-24  
**Origin:** Natural/Native occurrence **Site:** 1992-07-07  
**Presence:** Presumed Extant  
**Trend:** Decreasing **Record Last Updated:** 1993-04-13  
**Main Source:** HARRIS, J. 1986 (LIT)

**Quad Summary:** DINKEY CREEK (3711912/396C)  
**County Summary:** FRESNO

**Lat/Long:** 37.04382° / -119.16262° **Township:** 10S  
**UTM:** Zone-11 N4101920 E307676 **Range:** 26E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 20 **Qtr:** SW  
**Elevation:** 5,560 ft **Symbol Type:**POINT **Meridian:** M

**Location:** DINKEY MEADOW, 1.5 MILES SSW OF DINKEY CREEK RANGER STATION, SIERRA NATIONAL FOREST.  
**Ecological:** ALTHOUGH COWBIRDS WERE PRESENT IN 1992, NO NEST PARASITISM WAS OBSERVED.  
**Threat:** THREATS INCLUDE HEAVY GRAZING, POTENTIAL INUNDATION BY PROPOSED DINKEY DAM, AND POTENTIAL NEST PARASITISM BY COWBIRDS.  
**General:** UP TO 6 TERRITORIAL MALES OBSERVED IN 1982; 3 PAIRS NESTED IN 1983; 1 NEST, 3 TERR MALES IN 1984; 3 TERR MALES IN 1985; 3 NESTS IN 1986; 2 NESTS IN 1987; ONE PAIR FLEDGED 2 YOUNG IN 1989; ONE TERRITORIAL MALE, BUT NO NESTS, IN 1992.  
**Owner/Manager:** PVT



Hydromantes platycephalus

Mount Lyell salamander

Element Code: AAAAD09020

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** MASSIVE ROCK AREAS IN MIXED CONIFER, RED FIR, LODGEPOLE PINE, AND SUBALPINE HABITATS, 4000 TO 11,600 FEET IN ELEVATION.  
**Micro:** ACTIVE ON THE SURFACE ONLY WHEN FREE WATER IS AVAILABLE, IN THE FORM OF SEEPS, DRIPS, OR SPRAY.

<b>Occurrence No.:</b> 17	<b>Map Index:</b> 15677	<b>EO Index:</b> 28299	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1941-06-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1941-06-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> BRODE, J. 1980 (PERS)			

**Quad Summary:** DINKEY CREEK (3711912/396C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10300° / -119.20568°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4108575 E303998	<b>Range:</b> 25E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 35
<b>Elevation:</b> 7,830 ft	<b>Meridian:</b> M
	<b>Qtr:</b> E
	<b>Mapping Precision:</b> NON-SPECIFIC
	<b>Symbol Type:</b> POINT

**Location:** SUMMIT OF BALD MTN.

**General:** 14 JUN 1941: MVZ 35050, COLLECTED BY THOMAS L. RODGERS AND LOWELL ADAMS.

**Owner/Manager:** UNKNOWN

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 56	<b>Map Index:</b> 38722	<b>EO Index:</b> 33729	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1995-07-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-07-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-24
<b>Main Source:</b> WILSON, S. & E. LISKEY			

**Quad Summary:** DINKEY CREEK (3711912/396C), SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03815° / -119.24886°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101469 E299990	<b>Range:</b> 25E
<b>Area:</b> 16.0 ac	<b>Section:</b> 28
<b>Elevation:</b> 3,600 ft	<b>Meridian:</b> M
	<b>Qtr:</b> NE
<b>Mapping Precision:</b> SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** 0.6-0.75 MI NE OF SOAPROOT SADDLE, UNDER POWERLINES.

**Ecological:** IN SANDY, GRAVELLY SOIL UNDER POWERLINES. GRANITE OUTCROP. PONDEROSA PINE FOREST WITH ARCTOSTAPHYLOS MARIPOSA, ALLIUM FIMBRIATUM, LUPINUS STIVERSII, GITHOPSIS SPECULARIODES, STREPTANTHUS SP., BRODIEA SP., CENTARIUM SP., & MIMULUS SP..

**Threat:** TIMBER HARVESTING ACTIVITIES COULD THREATEN. OHV & RECREATION.

**General:** 240 PLANTS IN 1991 IN 2 SUBPOPULATIONS. THIRD SUBPOPULATION IN 1995 WITH APPROXIMATELY 225 INDIVIDUALS.

**Owner/Manager:** USFS-SIERRA NF

**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 8	<b>Map Index:</b> 31079	<b>EO Index:</b> 3636	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-23
<b>Main Source:</b> CANORUS LTD. 1992 (OBS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A), MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.25075° / -119.05437°	<b>UTM:</b> Zone-11 N4124667 E317801	<b>Area:</b> 155.3 ac	<b>Elevation:</b> 9,200 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 27E	<b>Section:</b> XX	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** LAKECAMP CREEK AND LAKE, ABOUT 1.5 MILES SOUTH OF MOUNT GIVENS, SIERRA NATIONAL FOREST.  
**Location Detail:** A TOTAL OF 12 ADULTS WERE FOUND ALONG THE LAKE AND CREEK. SITE #111.  
**Ecological:** 31 GARTER SNAKES WERE ALSO FOUND IN THIS AREA. TROUT ARE PPRESENT IN BOTH THE LAKE AND THE CREEK.  
**Threat:** CATTLE AND TROUT PRESENT  
**General:** 768 METERS OF STREAM, TRIBUTARY & MEADOW WERE SURVEYED OVER 2 DAYS. 30 EGGS, 20 TADPOLES, 10 ADULTS OBSERVED ON 2 SAMPLE DAYS, 1993.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 14	<b>Map Index:</b> 43001	<b>EO Index:</b> 43001	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-12
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-12
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-24
<b>Main Source:</b> CANORUS LTD. 1994 (PERS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23377° / -119.05091°	<b>UTM:</b> Zone-11 N4122776 E318067	<b>Area:</b> 22.7 ac	<b>Elevation:</b> 8,980 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 27E	<b>Section:</b> 18	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** EAST FORK BIG CREEK, AT THE CROSSING OF THE DUSTY ERSHIM TRAIL, ERSHIM MEADOW, SIERRA NATIONAL FOREST.  
**Location Detail:** SAMPLING DONE UPSTREAM 13-JUL-93 AND DOWNSTREAM 12-AUG-93 OF CROSSING.  
**Threat:** CATTLE AND TROUT PRESENT  
**General:** 13 ADULTS OBSERVED DOWNSTREAM; 25 TADPOLES, 147 ADULTS UPSTREAM, 1993.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 30	<b>Map Index:</b> 44552	<b>EO Index:</b> 44552	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1949-07-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1949-07-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-12-14
<b>Main Source:</b> CAS HERPETOLOGICAL HOLDINGS 2000 (MUS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.21896° / -119.10172°	<b>UTM:</b> Zone-11 N4121232 E313523	<b>Radius:</b> 1 mile	<b>Elevation:</b>	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 08S	<b>Range:</b> 26E	<b>Section:</b> 23	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** MEADOW, 5 MILES SOUTH OF KAISER PASS  
**Location Detail:** MAPPED TO COORDINATES GIVEN: LAT 37 13' 08.16", LONG 119 06' 03.12 (COORD SOURCE: DELORME STREET ATLAS USA 4.0) STEEP HILLSIDE AT THIS LOCATION SO MAPPED AS 1 MILE CIRCLE.  
**Ecological:** HIGH ELEVATION MEADOW  
**General:** 2 COLLECTED BY LAMONT AND SAVAGE, DEPOSITED IN CAS, CAS-SU #(AMP)10998 - 10999.  
**Owner/Manager:** USFS-SIERRA NF

Carex limosa

shore sedge

Element Code: PMCYP037K0

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CNPS List: 2
State: None	State: S3?	R-E-D Code: 2-2-1

**Habitat Associations**

**General:** BOGS AND FENS, LOWER MONTANE CONIFEROUS FOREST, MEADOWS, MARSHES AND SWAMPS, UPPER MONTANE CONIFEROUS FOREST.  
**Micro:** IN FLOATING BOGS AND SOGGY MEADOWS AND EDGES OF LAKES. 1200-2775M.

<b>Occurrence No.</b> 1	<b>Map Index:</b> 35208	<b>EO Index:</b> 29148	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1953-07-27
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1953-07-27
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-05-24
<b>Main Source:</b> QUIBELL, C. #3002 UC (HERB)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.18953° / -119.04090°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4117848 E318849	<b>Range:</b> 27E
<b>Radius:</b> 2/5 mile	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Elevation:</b> 9,150 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** TRAIL JUNCTION NORTHEAST OF BLACK PEAK NEAR SOUTH FORK BIG CREEK, NORTHEAST OF CABINS AT WES QUALL STOCK CAMP.

**Location Detail:** FOUND IMMEDIATELY NORTHEAST OF CABINS. MAPPED AT SWAMPY AREA NORTH OF QUALLS CAMP.

**Ecological:** SURROUNDING A FLORIFEROUS MEADOW. C. LIMOSA FORMS DENSE MASS AS IT CLOSES IN ON MENYANTHES-CAREX PONDS RETAINED BY SOD TERRACES IN UPPER SECTION OF MEADOW. FORMS THICK MAT CAPABLE OF SUPPORTING A PERSON.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1953 COLLECTION BY QUIBELL CITED IN NOTE BY D.W. TAYLOR (1996).

**Owner/Manager:** UNKNOWN

*Martes pennanti pacifica*

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 38	<b>Map Index:</b> 15771	<b>EO Index:</b> 23688	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1913-12-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1913-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A), HUNTINGTON LAKE (3711922/396B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.19299° / -119.11235°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4118371 E312515	<b>Range:</b> 26E
<b>Radius:</b> 1 mile	<b>Section:</b> 34
<b>Elevation:</b> 9,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NEAR RED TOP CAMP, APPROX 7 MI NNE OF DINKEY CREEK, SIERRA NATIONAL FOREST.

**General:** ONE OBS DURING NOV; ONE TRAPPED DURING DEC.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 39	<b>Map Index:</b> 00006	<b>EO Index:</b> 23685	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1974-08-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1974-08-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), DOGTOOTH PEAK (3711921/396A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.14771° / -118.99761°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4113126 E322594	<b>Range:</b> 27E
<b>Radius:</b> 1 mile	<b>Section:</b> 14
<b>Elevation:</b> 8,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** 10 MI NE OF DINKEY CREEK, SIERRA NATIONAL FOREST.

**Ecological:** LODGEPOLE PINE FOREST.

**General:** OBS BY VAN BOSSUYT.

**Owner/Manager:** USFS-SIERRA NF

Rana muscosa

mountain yellow-legged frog

Element Code: AAABH01140

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Endangered	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** FEDERAL LISTING REFERS TO POPULATIONS IN THE SAN GABRIEL, SAN JACINTO & SAN BERNARDINO MOUNTAINS ONLY.  
**Micro:** ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE UP TO 2 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

<b>Occurrence No.</b> 150	<b>Map Index:</b> 43001	<b>EO Index:</b> 43031	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-12
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-12
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-31
<b>Main Source:</b> CANORUS LTD. 1994 (PERS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23377° / -119.05091°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4122776 E318067	<b>Range:</b> 27E
<b>Area:</b> 22.7 ac	<b>Section:</b> 18
<b>Elevation:</b> 8,980 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** EAST FORK BIG CREEK, AT THE CROSSING OF THE DUSTY ERSHIM TRAIL, ERSHIM MEADOW, SIERRA NATIONAL FOREST.  
**Location Detail:** SAMPLING DONE UPSTREAM 13-JUL-93 AND DOWNSTREAM 12-AUG-93 OF CROSSING.  
**Ecological:** NO INDICATION OF PAST LOGGING  
**Threat:** CATTLE AND TROUT PRESENT  
**General:** 2 ADULTS & 12 TADPOLES OBSERVED DOWNSTREAM; 1 ADULT UPSTREAM, 1993.  
**Owner/Manager:** USFS-SIERRA NF

Sphagnum strictum

pale peat-moss

Element Code: NBMUS6Z170

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CNPS List: 2
State: None	State: S1.3	R-E-D Code: 3-1-1

Habitat Associations

General: SUBALPINE CONIFEROUS FOREST.  
 Micro: MOSS GROWING ON SOIL AT LAKE MARGINS. 2600-2800M.

Occurrence No. 1	Map Index: 45701	EO Index: 45701	Dates Last Seen
Occ Rank: Unknown			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: XXXX-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-08-28
Main Source: SHEVOCK AND YORK #13885 UNK HERB (HERB)			

Quad Summary: DOGTOOTH PEAK (3711921/396A)  
 County Summary: FRESNO

Lat/Long: 37.16529° / -119.07080°	Township: 09S
UTM: Zone-11 N4115216 E316136	Range: 27E
Radius: 1/5 mile	Section: 07
Elevation: 9,240 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: N
Symbol Type: POINT	

Location: DINKEY LAKES WILDERNESS, OUTLET OF FIRST DINKEY LAKE.

General: NEEDS FIELDWORK.  
 Owner/Manager: USFS-SIERRA NF

Camissonia sierrae ssp. alticola

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** UPPER MONTANE CONIFEROUS FOREST. KNOWN FROM FEW OCCURRENCES IN FRESNO AND MARIPOSA COUNTIES.  
**Micro:** IN SAND OR GRAVEL OVER GRANITE IN MIXED CONIFER FOREST; WITH GAYOPHYTUM, COLLINSIA, ETC. 2120-2335M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 15929	<b>EO Index:</b> 18875	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1982-06-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1982-06-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> QUIBELL, S. & C. #5804 CAS (HERB)			

**Quad Summary:** FLORENCE LAKE (3711838/415C), MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.33486° / -119.00547°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4133906 E322337	<b>Range:</b> 27E
<b>Area:</b> 404.1 ac	<b>Section:</b> XX
<b>Elevation:</b> 7,000 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** MONO HOT SPRINGS & NE FOR APPROX 2.0 MI.  
**Ecological:** IN GRAVEL AND SAND PANS OVER GRANITE SUBSTRATE IN MIXED CONIFER FOREST. ASSOCIATED WITH GAYOPHYTUM.  
**Threat:** SOME PARKING OCCURS.  
**General:** INCLUDES FORMER OCCURRENCE #2.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 3</b>	<b>Map Index:</b> 00037	<b>EO Index:</b> 3394	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1982-06-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1982-06-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> HAMON, D. 1979 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.33530° / -118.97752°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4133903 E324814	<b>Range:</b> 27E
<b>Area:</b> 23.5 ac	<b>Section:</b> XX
<b>Elevation:</b> 7,300 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** BELOW BEAR CREEK DIVERSION DAM, SOUTH OF LAKE THOMAS A. EDISON.  
**Location Detail:** JUST BELOW DAM AROUND THE LAST CAMPSITE AND ROAD ABOVE THE RIVER. USFS POP #15-1.  
**Ecological:** NORTH SLOPE ABOVE RIVER, WITH PINUS JEFFREYI, GAYOPHYTUM, AND CAMISSONIA. OPEN GRAVEL AND SAND PANS OVER GRANITIC SUBSTRATE WITH SOUTHERN EXPOSURE.  
**General:** ABOUT 100 PLANTS IN 1979. FAIRLY DENSE POPULATION IN FLOWER AND FRUIT.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 4</b>	<b>Map Index:</b> 00098	<b>EO Index:</b> 3392	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1990-06-08
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-08
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> CLINES, J. & S. WILSON 1990 (OBS)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24980° / -118.96125°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124386 E326059	<b>Range:</b> 28E
<b>Area:</b> 13.9 ac	<b>Section:</b> XX
<b>Elevation:</b> 7,600 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** WEST SIDE OF FLORENCE LAKE.  
**Location Detail:** SEVERAL COLONIES MAPPED ALONG USFS TRAIL 30E01 (PIUTE TRAIL).  
**Ecological:** SHELVES AND PANS OF DECOMPOSED GRANITE GRAVEL IN MIXED CONIFER AND LODGEPOLE PINE FOREST. ASSOCIATED WITH MADIA MINIMA, MIMULUS, AND LINANTHUS. GENERALLY NOT FOUND WHERE THE LEAF LITTER IS HEAVY.  
**Threat:** HEAVY FOOT TRAFFIC, TRAIL CONSTRUCTION, AND MAINTENANCE.  
**General:** 26,000 PLANTS OBSERVED IN 1990. COLLECTION BY RUSSEL IN 1928 (#75, DS) ATTRIBUTED TO THIS SITE.  
**Owner/Manager:** USFS-SIERRA NF



**Camissonia sierrae ssp. alticola**

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** UPPER MONTANE CONIFEROUS FOREST. KNOWN FROM FEW OCCURRENCES IN FRESNO AND MARIPOSA COUNTIES.  
**Micro:** IN SAND OR GRAVEL OVER GRANITE IN MIXED CONIFER FOREST; WITH GAYOPHYTUM, COLLINSIA, ETC. 2120-2335M.

<b>Occurrence No.</b> 7	<b>Map Index:</b> 00054	<b>EO Index:</b> 13836	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1982-06-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1982-06-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> LORENZANA, J. 1982 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.28412° / -118.96948°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4128209 E325408	<b>Range:</b> 27E
<b>Area:</b> 140.9 ac	<b>Section:</b> 36
<b>Elevation:</b> 7,200 ft	<b>Qtr:</b> W
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** NORTH OF FLORENCE LAKE DAM, W OF JACKASS MEADOW.  
**Ecological:** MIXED CONIFER FOREST, SAND AND GRAVEL PANS OVER GRANITE SUBSTRATE. ASSOCIATED WITH GAYOPHYTUM AND COLLINSIA.  
**Threat:** THREATENED BY SOUTHERN CALIFORNIA EDISON PLANS TO MAKE AREA INTO TRAILHEAD PARKING AREA.  
**General:** APPROXIMATELY 1000 PLANTS SEEN.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 8	<b>Map Index:</b> 31117	<b>EO Index:</b> 3393	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1990-06-08
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-08
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> CLINES, J. & S. WILSON 1990 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.27259° / -118.97373°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4128938 E325004	<b>Range:</b> 27E
<b>Area:</b> 6.5 ac	<b>Section:</b> XX
<b>Elevation:</b> 7,600 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** WEST SIDE OF THE NORTH END OF FLORENCE LAKE.  
**Location Detail:** TWO COLONIES; ONE IS ALONG BOTH SIDES OF WARD TUNNEL AND THE SECOND IS SOUTH OF THE ROAD TO THE GAGING STATION.  
**Ecological:** FLATS OF DECOMPOSED GRANITE GRAVEL IN MIXED CONIFER AND LODGEPOLE PINE FOREST.  
**Threat:** TRAMPLING, ROAD/TRAIL CONSTRUCTION AND MAINTENANCE, OFF ROAD VEHICLE USE.  
**General:** 560 PLANTS OBSERVED IN TWO COLONIES IN 1990.  
**Owner/Manager:** USFS-SIERRA NF

Dendroica petechia brewsteri

yellow warbler

Element Code: ABPBX03018

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5T3?	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** (NESTING) RIPARIAN PLANT ASSOCIATIONS. PREFERS WILLOWS, COTTONWOODS, ASPENS, SYCAMORES, & ALDERS FOR NESTING & FORAGING.  
**Micro:** ALSO NESTS IN MONTANE SHRUBBERY IN OPEN CONIFER FORESTS.

<b>Occurrence No.</b> 79	<b>Map Index:</b> 47032	<b>EO Index:</b> 47032	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2001-06-19
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2001-06-19
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-01-18
<b>Main Source:</b> TIGAS, L. 2001 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.35850° / -118.99411°	<b>Township:</b> 06.5S
<b>UTM:</b> Zone-11 N4136508 E323398	<b>Range:</b> 27E
<b>Radius:</b> 80 meters	<b>Section:</b> 35 <b>Qtr:</b> XX
<b>Elevation:</b> 7,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** 0.8 MILES SOUTH OF LAKE THOMAS EDISON AND 3 MILES NW OF BEAR DOME; VICINITY OF CAMPGROUND LOCATED ALONG MONO CREEK.

**Ecological:** HABITAT CONSISTS OF CONIFEROUS FOREST.

**General:** 19 JUN 2001: 1 INDIVIDUAL DETECTED BY SONG / CALL.

**Owner/Manager:** USFS-SIERRA NF

**Empidonax traillii**

willow flycatcher

Element Code: ABPAE33040

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: Endangered

State: S1S2

Habitat Associations

General: (NESTING) INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 ELEV

Micro: REQUIRE DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Occurrence No. 58

Map Index: 00047

EO Index: 12999

Dates Last Seen

Occ Rank: Unknown

Element: 1984-XX-XX

Origin: Natural/Native occurrence

Site: 1984-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1989-08-10

Main Source: STAFFORD, M. 1985 (LIT)

Quad Summary: FLORENCE LAKE (3711838/415C)

County Summary: FRESNO

Lat/Long: 37.31910° / -118.97261°

Township: 07S

UTM: Zone-11 N4132096 E325211

Range: 27E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: XX

Qtr: XX

Elevation: 7,120 ft

Symbol Type:POINT

Meridian: M

Location: POISON MEADOW, JUST N OF SAN JOAQUIN RIVER.

Threat: GRAZING.

General: PAIR MATED AND PRODUCED TWO YOUNG IN 1984; NEST WAS DESTROYED BY CATTLE JUST A FEW DAYS AFTER YOUNG FLEDGED.

Owner/Manager: USFS-SIERRA NF

**Martes pennanti pacifica**

Pacific fisher

Element Code: AMAJF01021

<b>Status</b> _____	<b>NDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G5T3T4Q	<b>CDFG Status:</b> SC
<b>State:</b> None	<b>State:</b> S2S3	

**Habitat Associations** \_\_\_\_\_

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 40	<b>Map Index:</b> 00168	<b>EO Index:</b> 23686	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1978-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.34771° / -118.91484°	<b>Township:</b> 99X
<b>UTM:</b> Zone-11 N4135165 E330395	<b>Range:</b> 99X
<b>Radius:</b> 1 mile	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Elevation:</b> 9,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** MARCELLA LAKE, 12 MI ENE OF MONO HOT SPRINGS.

**General:** FROM CDFG ASBI MAPS.

**Owner/Manager:** USFS-SIERRA NF

**Myotis evotis**

long-eared myotis

Element Code: AMACC01070

<b>Status</b> _____	<b>NDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G5	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> S4?	

**Habitat Associations** \_\_\_\_\_  
**General:** FOUND IN ALL BRUSH, WOODLAND & FOREST HABITATS FROM SEA LEVEL TO ABOUT 9000 FT. PREFERS CONIFEROUS WOODLANDS & FORESTS.  
**Micro:** NURSERY COLONIES IN BUILDINGS, CREVICES, SPACES UNDER BARK, & SNAGS. CAVES USED PRIMARILY AS NIGHT ROOSTS.

<b>Occurrence No.</b> 7	<b>Map Index:</b> 52405	<b>EO Index:</b> 52405	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-08-08
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-08-08
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-10
<b>Main Source:</b> HEADY, P. 2002 (OBS)			

**Quad Summary:** FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.33443° / -118.97521°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4133802 E325017	<b>Range:</b> 27E
<b>Radius:</b> 1/10 mile	<b>Section:</b> 12 <b>Qtr:</b> XX
<b>Elevation:</b> 7,363 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** BEAR CREEK DIVERSION DAM, SIERRA NATIONAL FOREST  
**General:** 1 ADULT MALE CAPTURED ON 8 AUG 2002 DURING MIST-NESTTING.  
**Owner/Manager:** USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3	CDFG Status:
State: Threatened	State: S1	

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 2	<b>Map Index:</b> 00104	<b>EO Index:</b> 23760	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1971-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1971-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-01-14
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), FLORENCE LAKE (3711838/415C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.25882° / -118.94512°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4125357 E327510	<b>Range:</b> 28E
<b>Radius:</b> 1 mile	<b>Section:</b> 07
<b>Elevation:</b> 7,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** FLORENCE LAKE, SEQUOIA NATIONAL PARK.

**Location Detail:** ORLAND BARTHOLOMEW OF USFS TRAPPED A PALE CROSS PHASE FOX DURING WINTER OF 1971.

**Ecological:** PINE-DOUGLAS FIR-ABIES FOREST.

**Owner/Manager:** NPS-SEQUOIA NP

Accipiter gentilis

northern goshawk

Element Code: ABNKC12060

<b>Status</b> _____	<b>NDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G5	<b>CDFG Status:</b> SC
<b>State:</b> None	<b>State:</b> S3	

**Habitat Associations** \_\_\_\_\_

**General:** (NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.  
**Micro:** USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

<b>Occurrence No.</b> 211	<b>Map Index:</b> 00051	<b>EO Index:</b> 26597	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1982-07-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1982-07-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT OF FISH & GAME 1984 (PERS)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B), BLOODY MTN. (3711858/434C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.48715° / -118.97068°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N4150739 E325772	<b>Range:</b> 27E
<b>Radius:</b> 1 mile	<b>Section:</b> 32
<b>Elevation:</b> 9,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** MINNOW CRK - JACKSON.

**General:** EYRIE NO. FR005. NO NEST LOCATED; TWO SEEN IN FLIGHT (ONE POSSIBLY AN IMMATURE). (STEWART)

**Owner/Manager:** USFS-SIERRA NF

**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 1	<b>Map Index:</b> 21558	<b>EO Index:</b> 18948	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-09-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-09-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1992-06-17
<b>Main Source:</b> CRITCHLOW, R. 1991 (OBS)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.47144° / -118.93315°	<b>Township:</b> 99X
<b>UTM:</b> Zone-11 N4148927 E329055	<b>Range:</b> 99X
<b>Radius:</b> 1/5 mile	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Elevation:</b> 10,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** PAPOOSE LAKE AND VICINITY, NW OF GOODALE PASS, SIERRA NATIONAL FOREST.  
**Ecological:** HABITAT CONSISTS OF MEADOW SURROUNDING PAPOOSE LAKE AND ADJACENT GRANITE ROCK/BOULDERS.  
**Threat:** POSSIBLE THREAT FROM HEAVY RECREATIONAL USE OF SITE.  
**General:** ONE MALE AND ONE FEMALE OBSERVED IN DARKNESS BY FLASHLIGHT AT ABOUT 2030.  
**Owner/Manager:** USFS-SIERRA NF



**Camissonia sierrae ssp. alticola**

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: None	Global: G3T2 State: S2.2	CNPS List: 1B R-E-D Code: 2-2-3

**Habitat Associations**

**General:** UPPER MONTANE CONIFEROUS FOREST. KNOWN FROM FEW OCCURRENCES IN FRESNO AND MARIPOSA COUNTIES.  
**Micro:** IN SAND OR GRAVEL OVER GRANITE IN MIXED CONIFER FOREST; WITH GAYOPHYTUM, COLLINSIA, ETC. 2120-2335M.

<b>Occurrence No.</b> 6	<b>Map Index:</b> 00149	<b>EO Index:</b> 18872	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1953-07-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1953-07-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> QUIBELL, C. #2670 FSC (HERB)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.41271° / -118.92317°	<b>Township:</b> 99X
<b>UTM:</b> Zone-11 N4142392 E329804	<b>Range:</b> 99X
<b>Radius:</b> 1 mile	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Elevation:</b> 7,700 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** ABOVE EAST END OF LAKE THOMAS A. EDISON, NEAR QUAIL MEADOWS, WEST SIDE OF MONO CREEK CANYON.  
**Ecological:** ON ICE PLANED BENCHES ABOVE CREEK, WITH JEFFREY PINES, ASPENS AND JUNIPERS. SOUTHEAST SLOPING POCKET.

Owner/manager: USFS-SIERRA NP

**Gulo gulo**

California wolverine

Element Code: AMAJF03012

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: Species of Concern Global: G4 CDFG Status:  
 State: Threatened State: S2

Habitat Associations

**General:** FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A WIDE VARIETY OF HIGH ELEVATION HABITATS.  
**Micro:** NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER & DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES

**Occurrence No.** 20      **Map Index:** 00151      **EO Index:** 23353      **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown      **Element:** 1929-03-21  
**Origin:** Natural/Native occurrence      **Site:** 1929-03-21  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1989-08-10  
**Main Source:** GUSTAFSON, J. 1980 (PERS)

**Quad Summary:** GRAVEYARD PEAK (3711848/415B)  
**County Summary:** FRESNO

**Lat/Long:** 37.46743° / -118.92263°      **Township:** 99X  
**UTM:** Zone-11 N4148463 E329976      **Range:** 99X  
**Radius:** 1/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Elevation:** 10,600 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** SILVER PASS BETWEEN CHIEF LAKE AND SILVER PASS LAKE IN SILVER DIVIDE.  
**General:** TRACKS OBSERVED.  
**Owner/Manager:** UNKNOWN

**Haliaeetus leucocephalus**

bald eagle

Element Code: ABNKC10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4	CDFG Status:
State: Endangered	State: S2	

**Habitat Associations**

**General:** (NESTING & WINTERING) OCEAN SHORE, LAKE MARGINS, & RIVERS FOR BOTH NESTING & WINTERING. MOST NESTS WITHIN 1 MI OF WATER.  
**Micro:** NESTS IN LG, OLD-GROWTH, OR DOMINANT LIVE TREE W/OPEN BRANCHES, ESPECIALLY PONDEROSA PINE. ROOSTS COMMUNALLY IN WINTER.

<b>Occurrence No.</b> 232	<b>Map Index:</b> 47014	<b>EO Index:</b> 47014	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2002-06-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-06-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-09
<b>Main Source:</b> TIGAS, L. 2001 (OBS)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B), SHARKTOOTH PEAK (3711941/416A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.38195° / -119.00182°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4139125 E322770	<b>Range:</b> 27E
<b>Area:</b> 16.1 ac	<b>Section:</b> 35
<b>Elevation:</b> 7,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** NW SIDE OF LAKE EDISON, ENE OF VERMILION CAMPGROUND  
**Ecological:** NEST TREE IS A JEFFREY PINE, WITHIN JEFFREY PINE FOREST, ALONG LAKE EDISON. SURROUNDING LAND USES INCLUDE RECREATION AND FORESTRY.  
**General:** NEST WITH 2 JUVENILES OBSERVED ON 26 JUL 2001. ADULT ON NEST OBSERVED ON 15 MAY 2002; 2 ADULTS OBSERVED NESTING ON 18 JUN 2002.  
**Owner/Manager:** USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: Threatened	Global: G5T3 State: S1	CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 57	<b>Map Index:</b> 36346	<b>EO Index:</b> 31343	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-09-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-09-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-08-05
<b>Main Source:</b> CRITCHLOW, R. 1991 (OBS)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.47219° / -118.93225°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N4149009 E329136	<b>Range:</b> 28E
<b>Radius:</b> 1/10 mile	<b>Section:</b> 32
<b>Elevation:</b> 10,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NE SIDE OF PAPOOSE LAKE, IN THE SILVER DIVIDE AREA OF JOHN MUIR WILDERNESS, SIERRA NATIONAL FOREST

**Ecological:** HABITAT CONSISTS OF A SUBALPINE LAKE, WITH WETLAND AROUND THE PERIMETER, AND A SMALL INLET STREAM WITH WILLOW THICKETS; SURROUNDING AREA CONSISTS OF LODGEPOLE/JEFFREY PINE FOREST.

**General:** 1 ADULT OBSERVED AT TWILIGHT ON 14 SEP 1991.

**Owner/Manager:** USFS-SIERRA NF

Accipiter gentilis

northern goshawk

Element Code: ABNKC12060

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Species of Concern **Global:** G5 **CDFG Status:** SC  
**State:** None **State:** S3

**Habitat Associations** \_\_\_\_\_

**General:** (NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.

**Micro:** USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

**Occurrence No.** 141 **Map Index:** 15620 **EO Index:** 26667 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1981-07-03  
**Origin:** Natural/Native occurrence **Site:** 1981-07-03  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10  
**Main Source:** DEPT OF FISH & GAME 1984 (PERS)

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

**County Summary:** FRESNO

**Lat/Long:** 37.24521° / -119.24762° **Township:** 08S  
**UTM:** Zone-11 N4124442 E300645 **Range:** 25E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 09 **Qtr:** XX  
**Elevation:** 7,280 ft **Symbol Type:** POINT **Meridian:** M

**Location:** COARSEGRASS MEADOW.

**General:** EYRIE NO. FR002. ACTIVE NEST WITH TWO JUVENILES IN A RED FIR IN 1981. (NEUSCHATZ)

**Owner/Manager:** USFS-SIERRA NF

**Epilobium howellii**

subalpine fireweed

Element Code: PDONA06180

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G1	CNPS List: 1B
State: None	State: S1.3	R-E-D Code: 3-1-3

**Habitat Associations**

**General:** MEADOWS, SUBALPINE CONIFEROUS FOREST.  
**Micro:** WET MEADOWS, MOSSY SEEPS. 1970-2700M.

<b>Occurrence No.</b> 3	<b>Map Index:</b> 31123	<b>EO Index:</b> 3425	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> HOCH, P. 1992 (LIT)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24859° / -119.19871°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124715 E304993	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 12
<b>Elevation:</b> 7,080 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** 3 MILES EAST OF HUNTINGTON LAKE.  
**Location Detail:** MAPPED AT CNDDB 3 ROAD MILES EAST OF THE COMMUNITY OF HUNTINGTON LAKE ON THE NORTH SHORE OF THE LAKE.  
**General:** ONLY SOURCE OF INFORMATION IS UNDATED COLLECTION BY HOCH (#486 MO, RSA).  
**Owner/Manager:** UNKNOWN

**Linanthus serrulatus**

Madera linanthus

Element Code: PDPLM09130

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G1?	CNPS List: 1B
State: None	State: S1?	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.  
**Micro:** DRY SLOPES; OFTEN ON DECOMPOSED GRANITE IN WOODLAND. 80-1575M.

<b>Occurrence No.</b> 6	<b>Map Index:</b> 30836	<b>EO Index:</b> 3965	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1923-05-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1923-05-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-01-24
<b>Main Source:</b> WALKER SN JEPS #58552 (HERB)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.20458° / -119.24076°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4119919 E301147	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 08
<b>Elevation:</b> 5,200 ft	<b>Meridian:</b> M
	<b>Qtr:</b> XX
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** BIG CREEK.

**Location Detail:** MAPPED AT CNDDDB IN VICINITY OF THE COMMUNITY OF BIG CREEK.

**General:** ONLY SOURCE OF INFORMATION IS 1923 COLLECTION BY WALKER (SN JEPS #58552).

**Owner/Manager:** UNKNOWN

Martes americana

American (=pine) marten

Element Code: AMAJF01010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5	CDFG Status:
State: None	State: S3S4	

**Habitat Associations**

**General:** MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG NORTH COAST & SIERRA NEVADA, KLAMATH & CASCADE MTNS.  
**Micro:** NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS & SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

<b>Occurrence No.</b> 16	<b>Map Index:</b> 30439	<b>EO Index:</b> 4224	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1989-11-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-11-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-02-09
<b>Main Source:</b> REEVES, K. 1989 (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.22039° / -119.17429°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4121536 E307087	<b>Range:</b> 26E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 19 <b>Qtr:</b> SW
<b>Elevation:</b> 7,780 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** JUST SOUTH OF COON CR, 1 MI WEST OF CHINESE PEAK & 1 MI SOUTH OF CAMP OLIJATO ON THE SOUTH SIDE OF HUNTINGTON LAKE.

**Ecological:** RED FIR HABITAT WITH MEDIUM/LARGE TREES HAVING MODERATE (40-59%) CANOPY COVER (RFR5M). RFR5D HABITAT ADJACENT TO TRACKS.

**Threat:** SOME SELECTIVE LOGGING.

**General:** 1 INDIVIDUAL IDENTIFIED BY TRACKS AT A TRACK STATION. FISHER TRACKS ALSO SEEN HERE.

**Owner/Manager:** USFS-SIERRA NF



Martes pennanti pacifica

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 38	<b>Map Index:</b> 15771	<b>EO Index:</b> 23688	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1913-12-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1913-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A), HUNTINGTON LAKE (3711922/396B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.19299° / -119.11235°	<b>UTM:</b> Zone-11 N4118371 E312515	<b>Radius:</b> 1 mile	<b>Elevation:</b> 9,200 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 08S	<b>Range:</b> 26E	<b>Section:</b> 34	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** NEAR RED TOP CAMP, APPROX 7 MI NNE OF DINKEY CREEK, SIERRA NATIONAL FOREST.

**General:** ONE OBS DURING NOV; ONE TRAPPED DURING DEC.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 379	<b>Map Index:</b> 33787	<b>EO Index:</b> 4225	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1990-08-16
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-08-16
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-02-20
<b>Main Source:</b> REEVES, K. 1989 (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.22184° / -119.17462°	<b>UTM:</b> Zone-11 N4121697 E307061	<b>Area:</b> 115.2 ac	<b>Elevation:</b> 7,780 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 26E	<b>Section:</b> 19	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** VICINITY OF COON CR, 1.7 KM WEST OF CHINESE PEAK; 1.7 KM SOUTH OF CAMP OLIJATO, HUNTINGTON LAKE; FRESNO CO.

**Location Detail:** 8/16/1990 OBSERVATION RECORDED AS SE 1/4 OF NW 1/4 OF SEC 19 T8S, R26E;

**Ecological:** RED FIR FOREST WITH MEDIUM/LARGE TREES HAVING MODERATE (40-59%) CANOPY COVER (RFR5M). RFR5D HABITAT ADJACENT TO ANIMAL TRACKS.

**Threat:** SOME SELECTIVE LOGGING.

**General:** 11/01/89- INDIVIDUAL ID'D BY TRACKS AND YELLOW STAIN IN SNOW AT A TRACK STATION; MARTEN TRACKS ALSO SEEN OVER FISHER TRACKS; NOTES WITH FIELD SURVEY FORM HAVE TRACK MEASUREMENTS OF BOTH MUSTELIDS. 8/16/1990 OBSERVATION BY C. KNIGHT

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 444	<b>Map Index:</b> 50224	<b>EO Index:</b> 50224	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1990-06-22
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-22
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-02-19
<b>Main Source:</b> BRICKEY, A. ND (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23235° / -119.16228°	<b>UTM:</b> Zone-11 N4122838 E308183	<b>Area:</b> 26.3 ac	<b>Elevation:</b> 7,300 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 26E	<b>Section:</b> 17	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** SOUTHEAST OF HUNTINGTON LAKE. SOUTH OF STATE ROUTE 168 NEAR CHINA PEAK SKI AREA

**General:** OBSERVATION BY C. KNIGHT ON 6/22/1990

**Owner/Manager:** USFS-SIERRA NF

**Martes pennanti pacifica**

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 445	<b>Map Index:</b> 50226	<b>EO Index:</b> 50226	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1990-08-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-08-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-02-20
<b>Main Source:</b> BRICKEY, A. ND (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.19410° / -119.20173°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4118675 E304584	<b>Range:</b> 25E
<b>Area:</b> 40.0 ac	<b>Section:</b> 35
<b>Elevation:</b> 7,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** VICINITY OF STATE ROUTE 168 AND PITMAN CREEK. ABOUT 2.4 AIR MILES SE OF BIG CREEK .

**General:** OBSERVATION BY B. BECK ON 8/07/1990.

**Owner/Manager:** USFS-SIERRA NF

**Myotis ciliolabrum**

small-footed myotis

Element Code: AMACC01140

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5	CDFG Status:
State: None	State: S?	

**Habitat Associations**

General:

Micro:

<b>Occurrence No.</b> 6	<b>Map Index:</b> 52402	<b>EO Index:</b> 52402	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-06-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-06-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-23
<b>Main Source:</b> HEADY, P. 2002 (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23318° / -119.15865°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4122924 E308507	<b>Range:</b> 26E
<b>Radius:</b> 80 meters	<b>Section:</b> 17
<b>Elevation:</b> 50 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** SOUTH OF BIG CREEK, AT SIERRA SUMMIT, SE OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST

**General:** 2 ADULT MALES CAPTURED IN MIST NETS ON 26 JUN 2002.

**Owner/Manager:** USFS-SIERRA NF

**Myotis evotis**

long-eared myotis

Element Code: AMACC01070

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5	CDFG Status:
State: None	State: S4?	

**Habitat Associations**

**General:** FOUND IN ALL BRUSH, WOODLAND & FOREST HABITATS FROM SEA LEVEL TO ABOUT 9000 FT. PREFERS CONIFEROUS WOODLANDS & FORESTS.  
**Micro:** NURSERY COLONIES IN BUILDINGS, CREVICES, SPACES UNDER BARK, & SNAGS. CAVES USED PRIMARILY AS NIGHT ROOSTS.

<b>Occurrence No.</b> 8	<b>Map Index:</b> 52406	<b>EO Index:</b> 52406	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-08-05
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-08-05
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-10
<b>Main Source:</b> HEADY, P. 2002 (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23143° / -119.21327°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4122841 E303656	<b>Range:</b> 25E
<b>Radius:</b> 80 meters	<b>Section:</b> 14
<b>Elevation:</b> 6,893 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** HUNTINGTON LAKE DAM 3 SURGE TUNNEL, SIERRA NATIONAL FOREST

**General:** AN UNKNOWN NUMBER OBSERVED ON 5 AUG 2002 INHABITING THE SURGE TUNNEL.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 9	<b>Map Index:</b> 52408	<b>EO Index:</b> 52408	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-08-05
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-08-05
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-22
<b>Main Source:</b> HEADY, P. 2002 (OBS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.20271° / -119.23447°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4119699 E301701	<b>Range:</b> 25E
<b>Area:</b> 15.2 ac	<b>Section:</b> 27
<b>Elevation:</b> 4,961 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** PITMAN CREEK VICINITY, EAST OF BIG CREEK (COMMUNITY), SIERRA NATIONAL FOREST

**General:** AN UNKNOWN NUMBER OBSERVED ON 5 AUG 2002.

**Owner/Manager:** USFS-SIERRA NF

**Oncorhynchus clarki henshawi**

Lahontan cutthroat trout

Element Code: AFCHA02081

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4T3	CDFG Status:
State: None	State: S2	

**Habitat Associations**

**General:** HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTON BASIN IN A WIDE VARIETY OF WATER TEMPS & CONDITIONS.  
**Micro:** CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.

<b>Occurrence No. 2</b>	<b>Map Index:</b> 15730	<b>EO Index:</b> 14878	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1990-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-12-01
<b>Main Source:</b> GERSTUNG, E. 1985 (LIT)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.14302° / -119.14221°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112886 E309739	<b>Range:</b> 26E
<b>Area:</b> 105.0 ac	<b>Section:</b> 16
<b>Elevation:</b> 8,000 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> S
<b>Symbol Type:</b> POLYGON	

**Location:** A SMALL TRIBUTARY CREEK NORTH WEST OF COW CREEK ABOUT 0.5 MILES SOUTH EAST OF FOSTER RIDGE. (N FORK COW CRK)  
**Location Detail:** THIS REACH OF STREAM IS ABOUT 1.5 MILES IN LENGTH. THE PRIME SPAWNING AREA COVERS A 0.5 MILE STRETCH.  
**Ecological:** POP OF <200 FISH. FLOWS VERY LOW IN LATE SUMMER. IN 1970'S LOGGING & GRAZING SEVERELY DAMAGED STREAM BANKS & RESULTED IN SILTATION. STREAM HAS RECOVERED DUE TO SEASONAL FENCING FOR CATTLE, SILT CATCHMENT BASIN & BRIDGE. RIPARIAN IMPROVING.  
**General:** ADULTS ARE 6-7 INCHES IN LENGTH. FOREST PLAN SAYS NO TIMBER HARVEST UNTIL HABITAT HAS RECOVERED. POPULATION IS HEALTHY WITH ALL AGE CLASSES REPRESENTED.  
**Owner/Manager:** USFS-SIERRA NF

Rana muscosa

mountain yellow-legged frog

Element Code: AAABH01140

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**Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----  
**Federal:** Endangered **Global:** G2 **CDFG Status:** SC  
**State:** None **State:** S2

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**Habitat Associations** -----  
**General:** FEDERAL LISTING REFERS TO POPULATIONS IN THE SAN GABRIEL, SAN JACINTO & SAN BERNARDINO MOUNTAINS ONLY.  
**Micro:** ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE UP TO 2 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

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**Occurrence No.** 186 **Map Index:** 44774 **EO Index:** 44774 **Dates Last Seen** -----  
**Occ Rank:** Unknown **Element:** 1955-06-06  
**Origin:** Natural/Native occurrence **Site:** 1955-06-06  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2001-01-23  
**Main Source:** MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)

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**Quad Summary:** HUNTINGTON LAKE (3711922/396B), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

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**Lat/Long:** 37.24527° / -119.19396° **Township:** 08S  
**UTM:** Zone-11 N4124337 E305405 **Range:** 25E  
**Area:** 343.1 ac **Mapping Precision:**NON-SPECIFIC **Section:** 12 **Qtr:** XX  
**Elevation:** 6,950 ft **Symbol Type:**POLYGON **Meridian:** M

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**Location:** NORTH SIDE OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.  
**Location Detail:** MAPPED TO THE NORTH SHORELINE (BUFFERED SHORELINE).  
**Ecological:** LAKE  
**General:** MVZ SPECIMEN #62891 COLLECTED BY E. KARLSTROM (#579), SEX UNKNOWN, WHOLE ANIMAL (ALCOHOL) IN COLLECTION.  
**Owner/Manager:** USFS-SIERRA NF

Strix nebulosa

great gray owl

Element Code: ABNSB12040

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: Endangered

State: S1

Habitat Associations

General: (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.

Micro: REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

Occurrence No. 20

Map Index: 30013

EO Index: 15735

Dates Last Seen

Occ Rank: Unknown

Element: 1979-08-14

Origin: Natural/Native occurrence

Site: 1979-08-14

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1994-04-20

Main Source: WINTER, J. 1980 (LIT)

Quad Summary: HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

County Summary: FRESNO

Lat/Long: 37.23860° / -119.26014°

Township: 08S

UTM: Zone-11 N4123735 E299517

Range: 25E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 17

Qtr: XX

Elevation: 7,500 ft

Symbol Type:POINT

Meridian: M

Location: NEAR BLACK POINT, WEST OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.

Ecological: FOREST HABITAT DOMINATED BY RED FIR AND LODGEPOLE PINE.

General: THREE OWLS HEARD BUT NOT SEEN JUNE 18, AND JULY 7, 12, 16, AND 23, 1979 BY M. KUNDE; ONE MALE HEARD BUT NOT SEEN 8/14/79 BY J. WINTER.

Owner/Manager: USFS-SIERRA NF

Accipiter gentilis

northern goshawk

Element Code: ABNKC12060

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Species of Concern **Global:** G5 **CDFG Status:** SC  
**State:** None **State:** S3

**Habitat Associations** \_\_\_\_\_

**General:** (NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.  
**Micro:** USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

**Occurrence No.** 141 **Map Index:** 15620 **EO Index:** 26667 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1981-07-03  
**Origin:** Natural/Native occurrence **Site:** 1981-07-03  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10  
**Main Source:** DEPT OF FISH & GAME 1984 (PERS)

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)  
**County Summary:** FRESNO

**Lat/Long:** 37.24521° / -119.24762° **Township:** 08S  
**UTM:** Zone-11 N4124442 E300645 **Range:** 25E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 09 **Qtr:** XX  
**Elevation:** 7,280 ft **Symbol Type:** POINT **Meridian:** M

**Location:** COARSEGRASS MEADOW.

**General:** EYRIE NO. FR002. ACTIVE NEST WITH TWO JUVENILES IN A RED FIR IN 1981. (NEUSCHATZ)

**Owner/Manager:** USFS-SIERRA NF



**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 9	<b>Map Index:</b> 30908	<b>EO Index:</b> 3609	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-23
<b>Main Source:</b> CANORUS LTD. 1992 (OBS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.26494° / -119.09055°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4126311 E314627	<b>Range:</b> 26E
<b>Area:</b> 395.7 ac	<b>Section:</b> XX
<b>Elevation:</b> 8,000 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** RANCHERIA CREEK, TRIBUTARY OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.  
**Location Detail:** 291.5 METERS OF RANCHERIA CREEK, 102.4 METERS OF TRIBUTARY STREAMS, & 374.3 METERS OF MEADOW WERE SURVEYED OVER A 2 DAY PERIOD. 1993 SURVEY - BADGER FLAT TRAIL CROSSING, SITE #106.  
**Threat:** CATTLE GRAZING, TROUT PRESENT  
**General:** 13 ADULTS WERE OBSERVED 6/30/92 - 7/1/92. 2 TADPOLES, 5 ADULTS OBSERVED 1993.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 35	<b>Map Index:</b> 44772	<b>EO Index:</b> 44791	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1955-06-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1955-06-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-24
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.31068° / -119.11963°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4131444 E312162	<b>Range:</b> 26E
<b>Radius:</b> 2/5 mile	<b>Section:</b> 22
<b>Elevation:</b> 8,420 ft	<b>Qtr:</b> XX
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** KAISER PEAK MEADOWS, 2.5 MILES NORTHWEST OF KAISER PASS SUMMIT, SIERRA NATIONAL FOREST.  
**Ecological:** MONTANE MEADOW  
**General:** 14 MVZ SPECIMEN #S 61786-88 (26 MAY 1954), 64496-7 (27 MAY 1954), 62643-8, 62653, 62701 & 62703 (7 JUN 1955). ALL COLLECTED BY E. L. KARLSTROM.  
**Owner/Manager:** USFS-SIERRA NF

**Epilobium howellii**

subalpine fireweed

Element Code: PDONA06180

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G1	CNPS List: 1B
State: None	State: S1.3	R-E-D Code: 3-1-3

**Habitat Associations**

**General:** MEADOWS, SUBALPINE CONIFEROUS FOREST.  
**Micro:** WET MEADOWS, MOSSY SEEPS. 1970-2700M.

<b>Occurrence No.</b> 3	<b>Map Index:</b> 31123	<b>EO Index:</b> 3425	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> HOCH, P. 1992 (LIT)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), KAISER PEAK (3711932/416C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24859° / -119.19871°	<b>Township:</b> 08S	
<b>UTM:</b> Zone-11 N4124715 E304993	<b>Range:</b> 25E	
<b>Radius:</b> 1 mile	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> 12
<b>Elevation:</b> 7,080 ft	<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
		<b>Qtr:</b> NW

**Location:** 3 MILES EAST OF HUNTINGTON LAKE.

**Location Detail:** MAPPED AT CNDDB 3 ROAD MILES EAST OF THE COMMUNITY OF HUNTINGTON LAKE ON THE NORTH SHORE OF THE LAKE.

**General:** ONLY SOURCE OF INFORMATION IS UNDATED COLLECTION BY HOCH (#486 MO, RSA).

**Owner/Manager:** UNKNOWN

**Rana muscosa**

mountain yellow-legged frog

Element Code: AAABH01140

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Endangered	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** FEDERAL LISTING REFERS TO POPULATIONS IN THE SAN GABRIEL, SAN JACINTO & SAN BERNARDINO MOUNTAINS ONLY.  
**Micro:** ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE UP TO 2 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

<b>Occurrence No.</b> 184	<b>Map Index:</b> 44772	<b>EO Index:</b> 44772	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1955-06-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1955-06-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-22
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.31068° / -119.11963°	<b>UTM:</b> Zone-11 N4131444 E312162	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 8,420 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 22	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** KAISER PEAK MEADOWS, 2.5 MILES NORTHWEST OF KAISER PASS SUMMIT, SIERRA NATIONAL FOREST.  
**Location Detail:** LOCATION WAS GIVEN ONLY AS ABOVE, MAPPED TO THE MEADOW AREA.  
**Ecological:** MONTANE MEADOW  
**General:** 4 MVZ SPECIMEN #S: 62870 (27 MAY 1954); 62892, 62894, 62915 (7 JUN 1955) COLLECTED BY E. KARLSTROM (#S 194; 583, 584, 584A), SEX UNKNOWN, WHOLE ANIMALS (ALCOHOL) IN COLLECTION.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 185	<b>Map Index:</b> 44773	<b>EO Index:</b> 44773	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1954-05-27
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1954-05-27
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-23
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.29660° / -119.18888°	<b>UTM:</b> Zone-11 N4130022 E305988	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 9,500 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 25E	<b>Section:</b> 25	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** 0.2 MILE NORTHWEST OF KAISER PEAK SUMMIT, KAISER WILDERNESS, SIERRA NATIONAL FOREST.  
**Location Detail:** LOCATION WAS GIVEN ONLY AS 0.2 MILE NW OF KAISER PEAK SUMMIT, MAPPED TO THAT LOCATION.  
**General:** 2 MVZ SPECIMENS #62871, #62872 COLLECTED BY E. KARLSTROM (#S 220, 221), SEX UNKNOWN, 2 WHOLE ANIMALS (ALCOHOL) IN COLLECTION.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 186	<b>Map Index:</b> 44774	<b>EO Index:</b> 44774	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1955-06-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1955-06-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-23
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24527° / -119.19396°	<b>UTM:</b> Zone-11 N4124337 E305405	<b>Area:</b> 343.1 ac	<b>Elevation:</b> 6,950 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 25E	<b>Section:</b> 12	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** NORTH SIDE OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.  
**Location Detail:** MAPPED TO THE NORTH SHORELINE (BUFFERED SHORELINE).  
**Ecological:** LAKE  
**General:** MVZ SPECIMEN #62891 COLLECTED BY E. KARLSTROM (#579), SEX UNKNOWN, WHOLE ANIMAL (ALCOHOL) IN COLLECTION.  
**Owner/Manager:** USFS-SIERRA NF

Strix nebulosa

great gray owl

Element Code: ABNSB12040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status:
State: Endangered	State: S1	

**Habitat Associations**

**General:** (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.  
**Micro:** REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

<b>Occurrence No.</b> 20	<b>Map Index:</b> 30013	<b>EO Index:</b> 15735	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1994-04-20
<b>Main Source:</b> WINTER, J. 1980 (LIT)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23860° / -119.26014°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4123735 E299517	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 17
<b>Elevation:</b> 7,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NEAR BLACK POINT, WEST OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.

**Ecological:** FOREST HABITAT DOMINATED BY RED FIR AND LODGEPOLE PINE.

**General:** THREE OWLS HEARD BUT NOT SEEN JUNE 18, AND JULY 7, 12, 16, AND 23, 1979 BY M. KUNDE; ONE MALE HEARD BUT NOT SEEN 8/14/79 BY J. WINTER.

**Owner/Manager:** USFS-SIERRA NF

Accipiter gentilis

northern goshawk

Element Code: ABNKC12060

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Species of Concern **Global:** G5 **CDFG Status:** SC  
**State:** None **State:** S3

**Habitat Associations** \_\_\_\_\_

**General:** (NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.

**Micro:** USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

**Occurrence No.** 141 **Map Index:** 15620 **EO Index:** 26667 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1981-07-03  
**Origin:** Natural/Native occurrence **Site:** 1981-07-03  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10  
**Main Source:** DEPT OF FISH & GAME 1984 (PERS)

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

**County Summary:** FRESNO

**Lat/Long:** 37.24521° / -119.24762° **Township:** 08S  
**UTM:** Zone-11 N4124442 E300645 **Range:** 25E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 09 **Qtr:** XX  
**Elevation:** 7,280 ft **Symbol Type:** POINT **Meridian:** M

**Location:** COARSEGRASS MEADOW.

**General:** EYRIE NO. FR002. ACTIVE NEST WITH TWO JUVENILES IN A RED FIR IN 1981. (NEUSCHATZ)

**Owner/Manager:** USFS-SIERRA NF

**Collomia rawsoniana**

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No. 5</b>	<b>Map Index:</b> 15485	<b>EO Index:</b> 13776	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> WILLING, B. 1979 (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.25903° / -119.35124°	<b>UTM:</b> Zone-11 N4126199 E291491	<b>Area:</b> 77.7 ac	<b>Elevation:</b> 4,500 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 24E	<b>Section:</b> 04	<b>Qtr:</b> S	<b>Meridian:</b> M
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**Location:** ALONG FISH CREEK FOR APPROX ONE MI, NEAR FISH CR CAMPGROUND.  
**Ecological:** MOIST, SANDY RIPARIAN AREA ASSOCIATED WITH ALNUS RHOMBIFOLIA AND RHODODENDRON OCCIDENTALE.  
**General:** HEALTHY POPULATION OF 50 PLANTS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 6</b>	<b>Map Index:</b> 15504	<b>EO Index:</b> 13777	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-13
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-13
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> BARTEL, J. 1978 (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.33825° / -119.34450°	<b>UTM:</b> Zone-11 N4134974 E292308	<b>Area:</b> 46.3 ac	<b>Elevation:</b> 3,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 07S	<b>Range:</b> 24E	<b>Section:</b> 10	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** ALONG UNNAMED TRIBUTARY TO WEST SIDE OF MAMMOTH POOL, SOUTH OF CHIQUITO CREEK.  
**Ecological:** RIPARIAN AREA ASSOCIATED WITH ALNUS RHOMBIFOLIA AND RHODODENDRON OCCIDENTALE.  
**Threat:** EXPANSION OF RESERVOIR PROPOSED.  
**General:** SEVERAL HUNDRED VIGOROUS PLANTS IN 1979.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No. 7</b>	<b>Map Index:</b> 15474	<b>EO Index:</b> 4169	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-03-02
<b>Main Source:</b> BRANDT, M. 1979 (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.30596° / -119.38428°	<b>UTM:</b> Zone-11 N4131480 E288693	<b>Area:</b> 640.6 ac	<b>Elevation:</b> 4,300 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 07S	<b>Range:</b> 24E	<b>Section:</b> XX	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** ROCK CREEK, INCL PART OF GORDON CR & OTHER TRIBUTARIES.  
**Location Detail:** EXTENDS ONTO SHUTEYE PEAK QUAD.  
**Ecological:** ALONG RIPARIAN AREAS, MOSTLY SHADED. ASSOCIATED WITH ALNUS RHOMBIFOLIA, RHODODENDRON OCCIDENTALE, AQUILEGIA FORMOSA, PELTAPHYLLUM PELTATUM, CORNUS, AND RUBUS. NO PLANTS FOUND ON OPEN BEDROCK AREAS. APPROX 4100-6200 FT  
**Threat:** MUCH OF THE AREA AROUND ROCK CREEK CAMPGROUND IS HEAVILY IMPACTED. LOGGING AND HERBICIDE USAGE ALSO THREATEN.  
**General:** TENS OF THOUSANDS OF PLANTS.  
**Owner/Manager:** USFS-SIERRA NF, PVT

*Collomia rawsoniana*

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No.:</b> 18	<b>Map Index:</b> 15481	<b>EO Index:</b> 12322	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-02-23
<b>Main Source:</b> BRANDT, M. 1979 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B), MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.24031° / -119.36255°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124146 E290437	<b>Range:</b> 24E
<b>Area:</b> 423.7 ac	<b>Section:</b> 16
<b>Elevation:</b> 4,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** ROSS CREEK, CLEARWATER CREEK, & UNNAMED TRIBUTARY NEAR HOGUE RANCH.  
**Location Detail:** ALSO IN SECTIONS 7, 8, 17, & 18.  
**Ecological:** SHADED RIPARIAN AREAS. ASSOCIATED WITH ALNUS RHOMBIFOLIA, MIMULUS CARDINALIS, RHODODENDRON OCCIDENTALE, AQUILEGIA FORMISA, MIMULUS, RUBUS AND CORNUS.  
**Threat:** PROPOSED RV CAMP AT HOGUE RANCH.  
**General:** MANY HUNDREDS OF PLANTS IN 1979, 500 SEEN IN 1991 ALONG TRIB. TO ROSS CREEK.  
**Owner/Manager:** USFS-SIERRA NF, PVT

**Emys (=Clemmys) marmorata**

western pond turtle

**Element Code:** ARAAD02030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3G4	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

<b>Occurrence No.</b> 99	<b>Map Index:</b> 32899	<b>EO Index:</b> 605	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1993-08-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-03-27
<b>Main Source:</b> ASHBY, C. 1993 (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C)

**County Summary:** MADERA

<b>Lat/Long:</b> 37.35927° / -119.37235°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4137368 E289898	<b>Range:</b> 24E
<b>Area:</b> 88.0 ac	<b>Section:</b> 32
<b>Elevation:</b> 4,100 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** WEST FORK OF CHIQUITO CREEK; NORTHWEST OF MAMMOTH POOL RESERVOIR.  
**Location Detail:** SITES OCCUR ALL ALONG CREEK IN T6S/R24E/SEC 32.  
**Ecological:** LARGE CREEK (12M WIDE, 3M MAX DEPTH) WITH BEDROCK/BOULDER SUBSTRATE. LARGE, DEEP POOLS IN THE SUN. VEGETATION INCLUDES GRASSES, FERNS AND MODERATE MIDDLE CANOPY COVER.  
**Threat:** POSSIBLE THREAT: ROAD 6552 RUNS CLOSE BY, SEVERAL DISPERSED CAMPSITES, FIRE RINGS EVIDENT.  
**General:** 7/7/1993: 24 ADULTS, 6 JUVENILES OBSERVED BY C. ASHBY. 8/2/1993: 38 ADULTS FOUND THROUGHOUT THE SITE, 4 HATCHLINGS FOUND AT THE WESTERN EDGE OF THE SITE BY R. REPLOGLE.  
**Owner/Manager:** USFS-SIERRA NF



Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> Species of Concern	<b>Global:</b> G2	<b>CNPS List:</b> 1B
<b>State:</b> None	<b>State:</b> S2.2	<b>R-E-D Code:</b> 2-2-3

**Habitat Associations**

**General:** LOWER MONTANE CONIFEROUS FOREST, PINYON JUNIPER WOODLAND, UPPER MONTANE CONIFEROUS FOREST.  
**Micro:** FINE GRAVEL ON ROCK OUTCROPS, RIDGES, OR DOMES. GRANITIC SOILS. 1560-2610M.

<b>Occurrence No.:</b> 17	<b>Map Index:</b> 38761	<b>EO Index:</b> 33768	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1996-04-13
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1996-04-13
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-12
<b>Main Source:</b> CLINES, J. & D. YORK 1996 (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.33743° / -119.35630°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4134909 E291260	<b>Range:</b> 24E
<b>Area:</b> 140.0 ac	<b>Section:</b> 09 <b>Qtr:</b> NW
<b>Elevation:</b> 5,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** RIDGE BETWEEN SHAKEFLAT CREEK AND WEST FORK CHIQUITO CREEK, ABOUT 1.5 MILES WEST OF MAMMOTH POOL RESERVOIR.  
**Location Detail:** ON GRANITE DOMES NE OF MINARETS ROAD AT SHAKEFLAT CREEK CROSSING. FOUR COLONIES MAPPED WITHIN THE S 1/2 SW 1/4 SEC 4, SE 1/4 SE 1/4 SEC 5, E 1/2 NE 1/4 SEC 8, AND NW 1/4 SECTION 9.  
**Ecological:** GRANITE DOMES WITHIN JEFFREY PINE FOREST WITH P. JEFFREYI, P. LAMBERTIANA, CALOCEDRUS, ARCTOSTAPHYLOS VISCIDA MARIPOSA, ALLIUM OBTUSUM OBTUSUM, SANICULA TUBEROSA, AND MIMULUS LACINIATUS.  
**Threat:** TIMBER HARVEST AND ASSOCIATED VEHICULAR ACTIVITY. CAMPING ALSO LISTED AS A THREAT.  
**General:** MANY HUNDREDS OF PLANTS OBSERVED IN 1996. RARE ASSOCIATES INCLUDE CAMISSONIA SIERRAE SSP. ALTICOLA AND ERIOGONUM PRATTENIANUM VAR. AVIUM.

**Owner/Manager:** USFS-SIERRA NF

**Martes pennanti pacifica**

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 443	<b>Map Index:</b> 50223	<b>EO Index:</b> 50223	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1990-06-25
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-25
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-02-18
<b>Main Source:</b> BRICKEY, A. ND (OBS)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.26892° / -119.28504°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4127152 E297389	<b>Range:</b> 25E
<b>Area:</b> 44.1 ac	<b>Section:</b> 31
<b>Elevation:</b> 6,300 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 4 MILES NW OF HUNTINGTON LAKE DAM. VICINITY OF SLOT CREEK, KAISER WILDERNESS, SIERRA NATIONAL FOREST.

**General:** OBSERVATION BY J. ROBINSON ON 6/25/1990.

**Owner/Manager:** USFS-SIERRA NF

Strix nebulosa

great gray owl

Element Code: ABNSB12040

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: Endangered

State: S1

Habitat Associations

General: (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.

Micro: REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

Occurrence No. 20

Map Index: 30013

EO Index: 15735

Dates Last Seen

Occ Rank: Unknown

Element: 1979-08-14

Origin: Natural/Native occurrence

Site: 1979-08-14

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1994-04-20

Main Source: WINTER, J. 1980 (LIT)

Quad Summary: HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

County Summary: FRESNO

Lat/Long: 37.23860° / -119.26014°

Township: 08S

UTM: Zone-11 N4123735 E299517

Range: 25E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 17

Qtr: XX

Elevation: 7,500 ft

Symbol Type:POINT

Meridian: M

Location: NEAR BLACK POINT, WEST OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.

Ecological: FOREST HABITAT DOMINATED BY RED FIR AND LODGEPOLE PINE.

General: THREE OWLS HEARD BUT NOT SEEN JUNE 18, AND JULY 7, 12, 16, AND 23, 1979 BY M. KUNDE; ONE MALE HEARD BUT NOT SEEN 8/14/79 BY J. WINTER.

Owner/Manager: USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> Species of Concern	<b>Global:</b> G5T3	<b>CDFG Status:</b>
<b>State:</b> Threatened	<b>State:</b> S1	

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 11	<b>Map Index:</b> 15426	<b>EO Index:</b> 23758	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1973-06-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1973-06-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C), SQUAW DOME (3711943/417A), LITTLE SHUTEYE PEAK (3711944/417B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.38021° / -119.38929°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4139730 E288457	<b>Range:</b> 24E
<b>Radius:</b> 1 mile	<b>Section:</b> 30
<b>Elevation:</b> 4,500 ft	<b>Qtr:</b> N
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** NEAR SODA SPRINGS CAMPGROUND.  
**Location Detail:** 1950 SITING AT 6000 FT ELEV.  
**Ecological:** DOUGLAS FIR-ABIES FIR FOREST.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 43	<b>Map Index:</b> 15541	<b>EO Index:</b> 23732	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1920-01-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1920-01-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SQUAW DOME (3711943/417A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.37160° / -119.31707°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4138615 E294828	<b>Range:</b> 24E
<b>Radius:</b> 1 mile	<b>Section:</b> 26
<b>Elevation:</b> 4,400 ft	<b>Qtr:</b> S
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** CHIQUITO BASIN, 1 MI N OF FULLERS MEADOWS, MADERA CO.  
**Location Detail:** IN THE EARLY PART OF JAN 1920, JOSEPH KINSMAN CAUGHT A RED FOX AT AN ALTITUDE OF LESS THAN 5000 FT, NEAR CHIQUITO BASIN PINE FOREST.  
**General:** SOURCE: J. GRINNELL, J. DIXON, & J. LINDALE. 1937. FUR-BEARING MAMMALS OF CALIF. P. 388.  
**Owner/Manager:** UNKNOWN

**Aquila chrysaetos**

golden eagle

Element Code: ABNKC22010

<b>Status</b>	<b>NDDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** (NESTING & WINTERING) ROLLING FOOTHILLS MOUNTAIN AREAS, SAGE-JUNIPER FLATS, DESERT.

**Micro:** CLIFF-WALLED CANYONS PROVIDE NESTING HABITAT IN MOST PARTS OF RANGE; ALSO, LARGE TREES IN OPEN AREAS.

<b>Occurrence No.</b> 29	<b>Map Index:</b> 15178	<b>EO Index:</b> 27315	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1984-05-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1985-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> HOLEMAN, J. 1984 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07077° / -119.53903°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4105739 E274276	<b>Range:</b> 22E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 11
<b>Elevation:</b> 2,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** EAST-FACING CLIFFS OF SQUAW LEAP.

**Location Detail:** THREE NEST SITES OBSERVED ON BASALT BLUFFS OVERLOOKING OAK WOODLAND.

**General:** NEST SITES ACTIVE UNTIL 1984; INACTIVE, 1985.  
 HOLEMAN

**Owner/Manager:** USFS-SIERRA NF

**Branchinecta lynchi**

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 244

Map Index: 43310

EO Index: 43310

Dates Last Seen

Occ Rank: Good

Element: 2000-03-06

Origin: Natural/Native occurrence

Site: 2000-03-06

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2000-07-26

Main Source: ARNOLD, R. 2000 (OBS)

Quad Summary: MILLERTON LAKE EAST (3711915/398D)

County Summary: MADERA

Lat/Long: 37.09780° / -119.58873°

Township: 09S

UTM: Zone-11 N4108858 E269938

Range: 22E

Area: 489.7 ac

Mapping Precision: NON-SPECIFIC

Section: 32

Qtr: XX

Elevation: 2,340 ft

Symbol Type: POLYGON

Meridian: M

Location: TOPPING RANCH ON KENNEDY TABLE, ~2 MILES NORTH OF THE EAST END OF MILLERTON LAKE, MADERA COUNTY.

Location Detail: SITE OF PROPOSED MITIGATION BANK. B. LYNCHI FOUND IN ABOUT HALF OF THE VERNAL POOLS

Ecological: NON-NATIVE VALLEY AND FOOTHILL GRASSLAND WITH NUMEROUS NORTHERN BASALT VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.

Threat: POSSIBLY GRAZING, PAST GRAZING HAS BEEN ONLY MODERATE.

General: NUMEROUS INDIVIDUALS OBSERVED IN FEBRUARY AND MARCH OF 2000. VOUCHER SPECIMENS DEPOSITED IN CAL ACAD SCI. REPORT INCLUDES POOL NUMBERS, WHICH POOLS HAD SHRIMP, PLANT LIST & PHOTOS OF POOLS.

Owner/Manager: PVT

*Carpenteria californica*

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No.:</b> 11	<b>Map Index:</b> 22811	<b>EO Index:</b> 7996	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1978-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-03-03
<b>Main Source:</b> MALLOCH, B. 1978 (LIT)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09391° / -119.53826°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4108305 E274413	<b>Range:</b> 22E
<b>Radius:</b> 80 meters	<b>Section:</b> 02
<b>Elevation:</b> 1,120 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** NORTH OF SQUAW LEAP ALONG THE SAN JOAQUIN RIVER, 0.5 KM (0.3 MI) ESE OF RIVER MILE 285.  
**Ecological:** GROWING NEAR AN INTERMITTENT STREAM IN A RAVINE WITH ROCKY, GRANITE DERIVED SOILS. ASSOCIATES INCLUDE AESCULUS CALIFORNICA, CERCIS OCCIDENTALIS, QUERCUS CHRYSOLEPIS, RHUS TRILOBATA, AND VITIS CALIFORNICA.  
**Threat:** POTENTIAL IMPACTS FROM ADJACENT HYDROELECTRIC PROJECT WERE TO BE AVOIDED.  
**General:** 1 PLANT SEEN IN 1978. SITE APPEARED TO SHELTERED, SHADY, AND COOL. A SYSTEMATIC SEARCH OF SURROUNDING AREAS WITH SUITABLE HABITAT FAILED TO REVEAL ANY OTHERS.

**Owner/Manager:** PVT?

Castilleja campestris ssp. succulenta

succulent owl's-clover

Element Code: PDSCR0D3Z1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4?T2	CNPS List: 1B
State: Endangered	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** MOIST PLACES, OFTEN IN ACIDIC SOILS. 25-750M.

<b>Occurrence No.</b> 4	<b>Map Index:</b> 08004	<b>EO Index:</b> 17660	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2002-04-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-04-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-08-06
<b>Main Source:</b> TOWNSEND, H. ET AL. 1997 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04275° / -119.59126°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4102755 E269547	<b>Range:</b> 22E
<b>Area:</b> 10.4 ac	<b>Section:</b> 20
<b>Elevation:</b> 1,960 ft	<b>Qtr:</b> SW
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** BIG TABLE MOUNTAIN, ABOUT 1.2 MI SSW OF TEMPERANCE FLAT AND 1.4 MILES WEST OF WELLBARN ROAD, EAST OF MILLERTON LAKE.  
**Location Detail:** FOUR COLONIES MAPPED ALONG THE TRAIL IN THE IN THE SE 1/4 OF THE NW 1/4, THE NE 1/4 OF THE SW 1/4, AND THE NW 1/4 OF THE SE 1/4 OF SECTION 20.  
**Ecological:** IN NORTHERN BASALT-FLOW VERNAL POOL WITH POGOGYNE, ERYNGIUM, AND DOWNINGIA BICOLOR. GRATIOLA HETEROSEPALA REPORTED FROM THIS SITE IN 1981.  
**Threat:** A PROPOSED DUMP THREATENED THE POPULATION IN 1981.  
**General:** 1000+ PLANTS OBSERVED IN 1997. PLANTS ALMOST NON-EXISTENT IN 2000 AFTER A VERY WET FEBRUARY, EXTREMELY ABUNDANT IN 2001. MORE THAN A THOUSAND SEEN IN 2002. INCLUDES FORMER OCCURRENCE #12. THE RARE GRATIOLA HETEROSEPALA IS ALSO HERE.

**Owner/Manager:** DFG

<b>Occurrence No.</b> 34	<b>Map Index:</b> 25496	<b>EO Index:</b> 5869	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2002-04-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-04-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-08-06
<b>Main Source:</b> MCCRARY, M. 2002 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.09859° / -119.58328°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4108932 E270425	<b>Range:</b> 22E
<b>Area:</b> 2.5 ac	<b>Section:</b> 33
<b>Elevation:</b> 2,300 ft	<b>Qtr:</b> SW
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** KENNEDY TABLE, 0.8 AIRMI SOUTHEAST OF RADIO FACILITY ON TOP OF TABLE, NORTH OF MILLERTON LAKE, 5 MILES EAST OF O'NEALS.  
**Ecological:** BASALT FLOW VERNAL POOL HABITAT.  
**Threat:** EARLY SEASON GRAZING IS A POSITIVE DISTURBANCE.  
**General:** 1000 PLANTS SEEN IN 2002 BY MCCRARY. 1961 COLLECTION BY BACIGALUPI FROM "KENNEDY TABLE" ATTRIBUTED TO THIS LOCATION. SITE IS PART OF A FWS-APPROVED MITIGATION BANK FOR VERNAL POOLS.

**Owner/Manager:** PVT



Castilleja campestris ssp. succulenta

succulent owl's-clover

Element Code: PDSCR0D3Z1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4?T2	CNPS List: 1B
State: Endangered	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** MOIST PLACES, OFTEN IN ACIDIC SOILS. 25-750M.

<b>Occurrence No.</b> 35	<b>Map Index:</b> 15071	<b>EO Index:</b> 5870	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1995-04-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-04-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-03-20
<b>Main Source:</b> PRENDUSI, T. 1990 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02733° / -119.58370°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101025 E270173	<b>Range:</b> 22E
<b>Area:</b> 4.7 ac	<b>Section:</b> 29
<b>Elevation:</b> 1,900 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** TABLE MOUNTAIN; ONE MILE NORTHWEST OF AUBERRY ROAD/WELLBARN ROAD JUNCTION (MARSHALL STATION).  
**Location Detail:** WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 29 AND THE SW 1/4 OF THE SW 1/4 OF SECTION 28. POOLS REFERRED TO AS "TABLE D" OR "FORD-BLM TABLE".  
**Ecological:** VERNAL POOLS ON BASALTIC SUBSTRATE WITH SIGNIFICANT BASALTIC RUBBLE. ASSOCIATED WITH ORCUTTIA INAEQUALIS, GRATIOLA HETEROSEPALA, ERYNGIUM VASEYI, ALOPECURUS HOWELII, POGOYNE DOUGLASII, DOWNINGIA BICORNUTA, AND LASTHENIA GLABBERIMA.  
**Threat:** MODERATE CATTLE GRAZING AND POTENTIAL ORV USE.  
**General:** 30,000 PLANTS ESTIMATED IN 1993, 100 ESTIMATED IN 1995.  
**Owner/Manager:** PVT, BLM

<b>Occurrence No.</b> 42	<b>Map Index:</b> 29050	<b>EO Index:</b> 21170	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1993-04-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-04-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-03-21
<b>Main Source:</b> FRANKLIN, A. 1993 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02676° / -119.60140°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101005 E268596	<b>Range:</b> 22E
<b>Area:</b> 16.9 ac	<b>Section:</b> 29
<b>Elevation:</b> 1,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** TABLE MOUNTAIN; 1.4-1.8 AIRMI NW OF MARSHALL HILL SUMMIT, EAST OF MILLERTON LAKE.  
**Location Detail:** THIS SITE APPARENTLY REFERRED TO AS "TABLE C" OR "BLM-TNC TABLE".  
**Ecological:** SERIES OF POOLS. OTHER RARE PLANTS INCLUDING GRATIOLA HETEROSEPALA AND ORCUTTIA INAEQUALIS NEARBY.  
**Threat:** SOME OF THE POOLS HERE WERE DEGRADED FROM PAST HEAVY GRAZING. FENCED IN 1992. POOLS WERE RECOVERING IN 1993.  
**General:** AT LEAST 10,000 PLANTS ESTIMATED IN 1993. FORMERLY PARTIALLY WITHIN TNC PRESERVE; THIS PART NOW MANAGED BY SIERRA FOOTHILL CONSERVANCY.  
**Owner/Manager:** BLM-HOLLISTER RA, OTHER

**Desmocerus californicus dimorphus**

valley elderberry longhorn beetle

Element Code: IICOL48011

**Status**  
 Federal: Threatened  
 State: None

**NDDB Element Ranks**  
 Global: G3T2  
 State: S2

**Other Lists**  
 CDFG Status:

**Habitat Associations**

**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.

**Occurrence No.** 123

**Map Index:** 33165

**EO Index:** 12704

**Dates Last Seen**

**Occ Rank:** Excellent

**Element:** 1995-04-28

**Origin:** Natural/Native occurrence

**Site:** 1995-04-28

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1995-05-24

**Main Source:** YORK, D. 1995 (OBS)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

**Lat/Long:** 37.01341° / -119.59786°

**Township:** 10S

**UTM:** Zone-11 N4099515 E268871

**Range:** 22E

**Radius:** 80 meters

**Mapping Precision:** SPECIFIC

**Section:** 32

**Qtr:** SW

**Elevation:** 1,160 ft

**Symbol Type:** POINT

**Meridian:** M

**Location:** 1.3 MILES WEST OF MARSHALL STATION, JUST EAST OF TABLE MOUNTAIN, IN THE MCKENZIE PRESERVE.

**Location Detail:** LOCATED ON THE SLOPE BELOW THE BASALTIC CLIFFS OF TABLE MOUNTAIN.

**Ecological:** HABITAT CONSISTS OF FOOTHILL PINE/OAK WOODLAND, ON A MODERATELY STEEP SLOPE WITH AN EASTERLY ASPECT. AIR TEMPERATURE AT THE TIME OF OBSERVATION WAS ~24 DEGREES CENTIGRADE.

**Threat:** POTENTIAL THREAT FROM GRAZING; ALTHOUGH SITE IS LOCATED ON A PRESERVE, GRAZING IS CONDUCTED FOR MOST OF THE YEAR.

**General:** ON 28 APRIL 1995, ONE ADULT BEETLE (12 MM TOTAL LENGTH, ANTENNAE 9 MM) FOUND FORAGING ON A LARGE SAMBUCUS MEXICANA; EXIT HOLES WERE ALSO OBSERVED ON THIS SHRUB. FORMER TNC PRESERVE; NOW MANAGED BY SIERRA FOOTHILL CONSERVANCY.

**Owner/Manager:** PVT-SIERRA FOOTHILL CONSERV

**Eryngium spinosepalum**

spiny-sepaled button-celery

Element Code: PDAPI0Z0Y0

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

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

**Micro:** SOME SITES ON CLAY SOIL OF GRANITIC ORIGIN; VERNAL POOLS, WITHIN GRASSLAND. 100-420M.

<b>Occurrence No.</b> 31	<b>Map Index:</b> 50758	<b>EO Index:</b> 50758	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1994-06-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1994-06-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-03-26
<b>Main Source:</b> FRANKLIN SN UC #1605293 (HERB)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03206° / -119.57444°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101528 E271011	<b>Range:</b> 22E
<b>Area:</b> 648.6 ac	<b>Section:</b> 28
<b>Elevation:</b> 1,860 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** WEST OF WELL BARN ROAD, NORTH OF MARSHALL HILL, FRESNO COUNTY.

**Location Detail:** MAPPED BASED ON T-R-S PROVIDED BY FRANKLIN: T10S R22E S28.

**Ecological:** VERNAL POOLS ON TRACHYANDESITE.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1994 COLLECTION BY FRANKLIN. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

**Eumops perotis californicus**

western mastiff bat

Element Code: AMACD02011

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T4?	CDFG Status: SC
State: None	State: S3?	

**Habitat Associations**

**General:** MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER & DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL ETC  
**Micro:** ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES & TUNNELS.

<b>Occurrence No.</b> 15	<b>Map Index:</b> 33089	<b>EO Index:</b> 13888	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1994-12-23
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1994-12-23
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-12-07
<b>Main Source:</b> PHILPOTT, W. & D. YORK 1994 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.00416° / -119.60099°	<b>Township:</b> 11S
<b>UTM:</b> Zone-11 N4098497 E268564	<b>Range:</b> 22E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 05 <b>Qtr:</b> NW
<b>Elevation:</b> 1,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** EASTERN EDGE OF TABLE MOUNTAIN, 9 MILES SW OF AUBERRY.

**Ecological:** HABITAT CONSISTS OF BLUE OAK/FOOTHILL PINE.

**General:** 35 MASTIFF BATS WERE OBSERVED AT THE ROOST SITE. FORMER TNC PRESERVE; NOW MANAGED BY SIERRA FOOTHILL CONSERVANCY.

**Owner/Manager:** PVT-SIERRA FOOTHILL CONSERV

Falco mexicanus

prairie falcon

Element Code: ABNKD06090

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status: SC  
 State: None State: S3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: (NESTING) INHABITS DRY, OPEN TERRAIN, EITHER LEVEL OR HILLY.

Micro: BREEDING SITES LOCATED ON CLIFFS. FORAGES FAR AFIELD, EVEN TO MARSHLANDS AND OCEAN SHORES.

Occurrence No. 170 Map Index: 15164 EO Index: 26239 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1984-05-XX  
 \* SENSITIVE \* Origin: Natural/Native occurrence Site: 1985-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1989-08-10  
 Main Source: CDFG RAPTOR NEST FILES 1981 (PERS)

Quad Summary: MILLERTON LAKE EAST (3711915/398D)

County Summary: FRESNO, MADERA

\* SENSITIVE \* Lat/Long: Township:  
 UTM: Range:  
 Radius: Mapping Precision: Section: Qtr:  
 Elevation: Symbol Type: Meridian:

Location: \*SENSITIVE\* Location information suppressed.

Location Detail: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.

Owner/Manager:

Gratiola heterosepala

Boggs Lake hedge-hyssop

Element Code: PDSCR0R060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CNPS List: 1B
State: Endangered	State: S3.1	R-E-D Code: 1-2-2

**Habitat Associations**

General: MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.

Micro: CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 5-2400M.

<b>Occurrence No.</b> 4	<b>Map Index:</b> 15037	<b>EO Index:</b> 2141	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1961-04-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1961-04-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1994-06-15
<b>Main Source:</b> BACIGALUPI, R. 1977 (PERS)			

Quad Summary: MILLERTON LAKE EAST (3711915/398D)

County Summary: MADERA

<b>Lat/Long:</b> 37.11941° / -119.60002°	<b>UTM:</b> Zone-11 N4111283 E269000	<b>Area:</b> 12.1 ac	<b>Elevation:</b> 2,475 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 22E	<b>Section:</b> 29	<b>Qtr:</b> W	<b>Meridian:</b> M
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Location: 0.5 MI W OF HIDEAWAY RANCH, 3.5 MI N OF TEMPERANCE FLAT. TOP OF NW FINGER OF KENNEDY TABLE.

Location Detail: ON FLAT TOP MESA.

Ecological: IN SHALLOW WATER OR AT EDGE OF POND ON WEATHERED BASALT SOIL, PH 5. ASSOCIATED VEGETATION INCLUDES ERYNGIUM VASEYI, QUERCUS DOUGLASII, PINUS SABINANA AND CEANOTHUS SP.

Owner/Manager: PVT

<b>Occurrence No.</b> 5	<b>Map Index:</b> 15060	<b>EO Index:</b> 17784	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 198X-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 198X-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> HAMON, D. ND (OBS)			

Quad Summary: MILLERTON LAKE EAST (3711915/398D)

County Summary: FRESNO

<b>Lat/Long:</b> 37.04217° / -119.58819°	<b>UTM:</b> Zone-11 N4102683 E269818	<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 1,980 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 22E	<b>Section:</b> 20	<b>Qtr:</b> SE	<b>Meridian:</b> M
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Location: BIG TABLE MOUNTAIN.

Location Detail: IN SE 1/4 OF SE 1/4 OF SECTION 20.

Ecological: IN VERNAL POOL WITH CASTILLEJA CAMPESTRIS SUCCULENTA.

Threat: PROPOSED DUMP A THREAT IN 1981.

Owner/Manager: UNKNOWN

<b>Occurrence No.</b> 13	<b>Map Index:</b> 15038	<b>EO Index:</b> 17777	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1986-05-25
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1986-05-25
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> HANSEN, R. 1986 (LIT)			

Quad Summary: MILLERTON LAKE EAST (3711915/398D)

County Summary: FRESNO

<b>Lat/Long:</b> 37.02550° / -119.59708°	<b>UTM:</b> Zone-11 N4100855 E268977	<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 1,800 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 22E	<b>Section:</b> 29	<b>Qtr:</b> SW	<b>Meridian:</b> M
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Location: TABLE MTN, 1.5 WNW OF MARSHALL HILL.

General: NONE.

Owner/Manager: BLM-HOLLISTER RA

Gratiola heterosepala

Boggs Lake hedge-hyssop

Element Code: PDSCR0R060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> Species of Concern	<b>Global:</b> G3	<b>CNPS List:</b> 1B
<b>State:</b> Endangered	<b>State:</b> S3.1	<b>R-E-D Code:</b> 1-2-2

**Habitat Associations**

**General:** MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.  
**Micro:** CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 5-2400M.

<b>Occurrence No.</b> 14	<b>Map Index:</b> 15071	<b>EO Index:</b> 7470	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1990-06-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-09-02
<b>Main Source:</b> HANSEN, R. 1986 (LIT)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02733° / -119.58370°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101025 E270173	<b>Range:</b> 22E
<b>Area:</b> 4.7 ac	<b>Section:</b> 29
<b>Elevation:</b> 1,900 ft	<b>Qtr:</b> SE
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** TOP OF TABLE MTN, APPROX 0.75 AIRMI NW OF MARSHALL HILL. 1 MI NW OF THE JUNCTION OF AUBERRY RD AND WELLBARN RD.  
**Ecological:** 2 VERNAL POOLS SURROUNDED BY GRASSLAND. ASSOCIATED WITH CASTILLEJA CAMPESTRIS SUCCULENTA, ERYNGIUM VASEYI, AND ORCUTTIA INAEQUALIS.  
**Threat:** TRAMPLING AND GRAZING BY CATTLE ON PRIVATELY OWNED PROPERTY THREATENS. OVERALL SITE CONDITION SEEMS TO BE DECLINING.  
**General:** TNC IS STUDYING SITE FOR POSSIBLE ACQUISITION (1990).  
**Owner/Manager:** BLM-HOLLISTER RA, PVT

<b>Occurrence No.</b> 80	<b>Map Index:</b> 37853	<b>EO Index:</b> 32860	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1997-04-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-04-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-01-07
<b>Main Source:</b> TOWNSEND, H. ET AL 1997 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04825° / -119.59692°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103379 E269060	<b>Range:</b> 22E
<b>Radius:</b> 80 meters	<b>Section:</b> 20
<b>Elevation:</b> 1,980 ft	<b>Qtr:</b> NW
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** BIG TABLE MOUNTAIN; "ROUND POOL NEAR THE POINT".  
**Ecological:** ASSOCIATED WITH POGOGYNE, ERYNGIUM, DOWNINGIA BICOLOR, & CASTILLEJA CAMPESTRIS SUCCULENTA. LEPIDURUS PACKARDI ALSO HERE.  
**General:** THOUSANDS OF PLANTS IN 1997.  
**Owner/Manager:** DFG-BIG TABLE MOUNTAIN ER

**Lepidurus packardi**

vernal pool tadpole shrimp

Element Code: ICBRA10010

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: Endangered **Global:** G2G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.  
**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

**Occurrence No.** 56 **Map Index:** 15041 **EO Index:** 863 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 1995-04-02  
**Origin:** Natural/Native occurrence **Site:** 1995-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-02-05  
**Main Source:** TSUKIMURA, B. & B. TRAYLER 1995 (OBS)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

**Lat/Long:** 37.04493° / -119.59653° **Township:** 10S  
**UTM:** Zone-11 N4103010 E269085 **Range:** 22E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 20 **Qtr:** SW  
**Elevation:** 1,980 ft **Symbol Type:**POINT **Meridian:** M

**Location:** BIG TABLE MOUNTAIN, NE OF FRIANT AND EAST OF MILLERTON LAKE.  
**Location Detail:** THE LARGER TWO SWALE-LIKE POOLS CONTAIN LEPIDURUS PACKARDI, AS DO THE TWO LARGE BASIN- OR BOWL-LIKE POOLS BEYOND THE SWALE-LIKE POOLS.  
**Ecological:** HABITAT CONSISTS OF VERNAL POOLS ON TOP OF A BASALT FLOW. ASSOCIATED PLANTS INCLUDE LASTHENIA FREMONTII, BLENNOSPERMA NANUM VAR NANUM, AND LIMNANTHES DOUGLASSI ROSEA. LINDERIELLA OCCIDENTALIS WAS PRESENT IN THE SOUTHERN-MOST POOL.  
**Threat:** SITE HAS NOT BEEN GRAZED SINCE DFG ACQUISITION; NON-NATIVE GRASSES ARE ENCROACHING INTO THE EDGES OF THE POOLS/SWALES.  
**General:** 100'S OF INDIVIDUALS OBSERVED ON 2 APRIL 1995. BURNING OR PROPERLY TIMED GRAZING IS PROBABLY NEEDED TO HELP CONTROL THE ENCROACHMENT BY NON-NATIVE ANNUAL GRASSES.

**Owner/Manager:** DFG, DPR

**Occurrence No.** 117 **Map Index:** 37853 **EO Index:** 33929 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 1997-04-04  
**Origin:** Natural/Native occurrence **Site:** 1997-04-04  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1998-06-11  
**Main Source:** TOWNSEND, H. ET AL 1997 (OBS)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

**Lat/Long:** 37.04825° / -119.59692° **Township:** 10S  
**UTM:** Zone-11 N4103379 E269060 **Range:** 22E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 20 **Qtr:** NW  
**Elevation:** 1,980 ft **Symbol Type:**POINT **Meridian:** M

**Location:** BIG TABLE MOUNTAIN ER, 2.8 MI NW OF MARSHALL STATION, 1.9 MI WNW OF JUNCTION WELLBARN & CANAL ROADS, E OF MILLERTON LAKE  
**Location Detail:** "ROUND POOL NEAR THE POINT", 0.8 MILE E OF RIVER MILE 178, SAN JOAQUIN RIVER, MILLERTON LAKE.  
**Ecological:** VERNAL POOL, POGOYNE, ERYNGIUM, DOWNINGIA BICOLOR, CASTILLEJA CAMPESTRIS SUCCULENTA, & GRATIOLA HETEROSPALA.  
**General:** NETTED 1 BIG SHRIMP, 1 JUVENILE, AND 1 DEAD.

**Owner/Manager:** DFG-BIG TABLE MOUNTAIN ER



*Linderiella occidentalis*

California *Linderiella*

Element Code: ICBRA06010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2G3	CDFG Status:
State: None	State: S2S3	

**Habitat Associations**

**General:** SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

<b>Occurrence No.</b> 115	<b>Map Index:</b> 33343	<b>EO Index:</b> 590	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1995-04-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-04-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-03-08
<b>Main Source:</b> TRAYLER, B. & B. TSUKIMURA 1995 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04312° / -119.59225°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4102799 E269460	<b>Range:</b> 22E
<b>Radius:</b> 80 meters	<b>Section:</b> 20
<b>Elevation:</b> 1,940 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** BIG TABLE MOUNTAIN, NE OF FRIANT AND EAST OF MILLERTON LAKE.  
**Ecological:** HABITAT CONSISTS OF VERNAL POOLS ON TOP OF A BASALT FLOW. ASSOCIATED PLANTS INCLUDE LASTHENIA FREMONTIA, BLENNOSPERMUM NANUM VAR NANUM, LIMNANTHES DOUGLASSI ROSEA. LEPIDURUS PACKARDI ALSO PRESENT NEARBY.  
**Threat:** PROPERTY HAS NOT BEEN GRAZED SINCE ACQUIRED BY DFG; NON-NATIVE GRASSES ARE BEGINNING TO ENCROACH INTO THE POOLS/SWALES.  
**General:** UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 2 APRIL 1995. TO MAINTAIN HEALTHY POOLS AND POPULATIONS OF NATIVE ANNUAL PLANTS, BURNING OR PROPERLY-TIMED GRAZING IS PROBABLY NEEDED TO CONTROL NON-NATIVE ANNUAL GRASSES.  
**Owner/Manager:** DFG, DPR

**Lytta molesta**

molestan blister beetle

Element Code: IICOL4C030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status:
State: None	State: S2	

**Habitat Associations**

**General:** INHABITS THE CENTRAL VALLEY OF CALIFORNIA, FROM CONTRA COSTA TO KERN AND TULARE COUNTIES.

**Micro:**

<b>Occurrence No.</b> 1	<b>Map Index:</b> 15041	<b>EO Index:</b> 19921	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-04-27
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-04-27
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-03-06
<b>Main Source:</b> PINTO, J. 1980 (PERS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04493° / -119.59653°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103010 E269085	<b>Range:</b> 22E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 20
<b>Elevation:</b> 1,980 ft	<b>Qtr:</b> SW
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** BIG TABLE MOUNTAIN, NEAR THE SUMMIT OF THE NORTHERN PART.

**Location Detail:** ALL SPECIMENS WERE COLLECTED ON VEGETATION IN DRIED VERNAL POOLS ON THE TABLE MOUNTAIN SUMMIT.

**Ecological:** COMMON IN DRY VERNAL POOLS, BUT ABSENT FROM ADJACENT GREEN/FLOWERING, NON-POOL VEGETATION.

**General:** UNKNOWN NUMBER OF SPECIMENS COLLECTED BY GLEN HOLSTEIN AND BLAIR CSUTI (NDDB), THEN IDENTIFIED BY DR JOHN D PINTO. 50% WERE COPULATING.

**Owner/Manager:** DFG, DPR

<b>Occurrence No.</b> 2	<b>Map Index:</b> 15282	<b>EO Index:</b> 22652	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 19XX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 19XX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-11
<b>Main Source:</b> SELANDER, R. 1960 (LIT)			

**Quad Summary:** AUBERRY (3711914/397C), MILLERTON LAKE EAST (3711915/398D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07938° / -119.48653°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4106571 E278969	<b>Range:</b> 23E
<b>Radius:</b> 1 mile	<b>Section:</b> 08
<b>Elevation:</b> 2,200 ft	<b>Qtr:</b> N
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** AUBERRY, 10 MI WSW OF SHAVER LAKE.

**Location Detail:** FOUND IN THE CENTRAL VALLEY FROM CONTRA COSTA TO TULARE AND KERN COUNTIES.

**General:** SEASONAL DISTRIBUTION: APRIL 3 - JULY 1. ONE COLLECTED IN APRIL FROM ERODIUM CICUTARIUM; YEAR OF COLLECTION INKNOWN.

**Owner/Manager:** PVT, USFS-SIERRA NF

Northern Basalt Flow Vernal Pool

Element Code: CTT44131CA

<b>Status</b> Federal: None State: None	<b>NDDB Element Ranks</b> Global: G3 State: S2.2	<b>Other Lists</b>
<b>Habitat Associations</b> General: Micro:		

**Occurrence No. 1**      **Map Index:** 15014      **EO Index:** 26281      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1986-05-25  
**Origin:** Natural/Native occurrence      **Site:** 1986-05-25  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-16  
**Main Source:** BURKE, M. 1980 (LIT)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

**Lat/Long:** 37.01077° / -119.60486°      **Township:** 10S  
**UTM:** Zone-11 N4099239 E268240      **Range:** 22E  
**Radius:** 1/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** 31      **Qtr:** SE  
**Elevation:** 1,400 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** BIG TABLE MTN. NE OF FRIANT, E OF MILLERTON LAKE.  
**Location Detail:** VERNAL POOLS SCATTERED AMONG GRASSLAND.  
**Ecological:** ON TERTIARY BASALT FLOW. HIDEAWAY EXTREMELY STONY LOAM SOILS. MESA IS A REFUGE FOR VALLEY FLOOR ANNUALS. SPECIES LIST AT CNDDB. LARGE POOL AT N END MAY BE ARTIFICIALLY ENHANCED. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO  
**Threat:** GRAZED, RD THRU SITE BUT DISTURBANCE LIMITED.  
**Owner/Manager:** PVT

**Occurrence No. 2**      **Map Index:** 15041      **EO Index:** 19918      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1980-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1980-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-16  
**Main Source:** BURKE, M. 1980 (LIT)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

**Lat/Long:** 37.04493° / -119.59653°      **Township:** 10S  
**UTM:** Zone-11 N4103010 E269085      **Range:** 22E  
**Radius:** 1/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** 20      **Qtr:** SW  
**Elevation:** 1,980 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** BIG TABLE MTN. NE OF FRIANT, E OF MILLERTON LAKE.  
**Location Detail:** LARGE POOL IN AREA W/GRASSLAND.  
**Ecological:** REFUGE FOR VALLEY FLOOR ANNUALS. THE MESA HAS AN UNUSUAL SPP COMPOSITION. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
**Threat:** LIGHT GRAZING, MODERATE DISTURBANCE.  
**Owner/Manager:** DFG, DPR

**Occurrence No. 3**      **Map Index:** 15020      **EO Index:** 26282      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1980-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1980-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-16  
**Main Source:** BURKE, M. 1980 (LIT)

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

**Lat/Long:** 37.02383° / -119.60098°      **Township:** 10S  
**UTM:** Zone-11 N4100679 E268625      **Range:** 22E  
**Radius:** 1/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** 32      **Qtr:** NW  
**Elevation:** 1,800 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** BIG TABLE MTN. NE OF FRIANT, E OF MILLERTON LAKE.  
**Ecological:** MOST ISOLATED AREA OF VERNAL POOLS & GRASSLAND ON MESA. MESA IS REFUGE FOR VALLEY FLOOR ANNUALS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO  
**Threat:** GRAZING.  
**Owner/Manager:** PVT

Northern Basalt Flow Vernal Pool

Element Code: CTT44131CA

----- Status ----- NDDB Element Ranks ----- Other Lists -----  
 Federal: None Global: G3  
 State: None State: S2.2

----- Habitat Associations -----  
 General:  
 Micro:

Occurrence No. 30 Map Index: 15071 EO Index: 7472 ----- Dates Last Seen -----  
 Occ Rank: Excellent Element: 1987-06-08  
 Origin: Natural/Native occurrence Site: 1987-06-08  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1998-07-16  
 Main Source: STEBBINS, J. 1987 (OBS)

Quad Summary: MILLERTON LAKE EAST (3711915/398D)  
 County Summary: FRESNO

Lat/Long: 37.02733° / -119.58370° Township: 10S  
 UTM: Zone-11 N4101025 E270173 Range: 22E  
 Area: 4.7 ac Mapping Precision: SPECIFIC Section: 29 Qtr: SE  
 Elevation: 1,900 ft Symbol Type: POLYGON Meridian: M

Location: THE TOP OF TABLE MOUNTAIN, ABOUT ONE MILE NW OF THE JUNCTION OF AUBERRY ROAD WITH WELLBURN ROAD.  
 Location Detail: TWO LARGE VERNAL POOLS.  
 Ecological: BASALTIC SUBSTRATE, SIGNIFICANT VOLCANIC RUBBLE. W/ORCUTTIA INAEQUALIS, ORTHOCARPUS CAMPESTRIS SUCCULENTUS, GRATIOLA HETEROSEPALA, ERYNGIUM VASEYI, ALOPECERUS HOWELLII, POGOGYNE DOUGLASII, LASTHENIA GLABBERIMA.  
 Threat: POSSIBLE ORV USE FROM ADJACENT LANDOWNER. SOME CATTLE GRAZING.  
 General: TNC IS STUDYING SITE FOR POSSIBLE ACQUISITION. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
 Owner/Manager: BLM, PVT

**Orcuttia inaequalis**

San Joaquin Valley orcutt grass

Element Code: PMPOA4G060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

**Habitat Associations**

**General:** VERNAL POOLS. ENDEMIC TO THE SAN JOAQUIN VALLEY.  
**Micro:** 30-755M.

<b>Occurrence No.</b> 47	<b>Map Index:</b> 15071	<b>EO Index:</b> 7471	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1997-04-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-04-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-09-29
<b>Main Source:</b> BIOSYSTEMS ANALYSIS 1988 (LIT)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02733° / -119.58370°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101025 E270173	<b>Range:</b> 22E
<b>Area:</b> 4.7 ac	<b>Section:</b> 29
<b>Elevation:</b> 1,900 ft	<b>Qtr:</b> SE
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** TOP OF TABLE MTN, APPROX 3/4 MI NW OF MARSHALL HILL, 1 MI NW OF JCT OF AUBERRY RD AND WELLBARN RD.  
**Location Detail:** KNOWN AS TABLE "D", OR THE "FORD-BLM TABLE." WALKING ACCESS IS FROM TNC LAND JUST TO SOUTH. TAKE AUBERRY RD TO UNNAMED DIRT ROAD GOING N JUST W OF MARSHALL STN. CONTACT THE MYERS FIRST SO CAN PARK THERE (AT EUCALYPTUS, W SIDE OF ROAD).  
**Ecological:** ORCUTTIA IN 2 POOLS SURROUNDED BY GRASSLAND. WITH CASTILLEJA CAMPESTRIS SUCCULENTA, ERYNGIUM VASEYI, ALOPECURUS HOWELLII, POGOGYNE DOUGLASII, LASTHENIA GLABERRIMA, DOWNINGIA BICORNUTA, PLAGIOBOTHRYUS STIPITATUS, & GRATIOLA HETEROSEPALA.  
**Threat:** NEARBY POOLS ON TABLE C HAVE BEEN DEGRADED BY GRAZING. TABLE D POOLS MOSTLY UNGRAZED. OHV USE SURROUNDING POOLS.  
**General:** 2000 PLANTS IN 1987, APPROX 8000 IN 1990, ABOUT 560,000 ESTIMATED IN 1993, "THOUSANDS" IN 1995, AT LEAST 5000 IN 1997. SURROUNDING LAND RECENTLY ACQUIRED BY TNC AND DFG.  
**Owner/Manager:** BLM-HOLLISTER RA, PVT

<b>Occurrence No.</b> 55	<b>Map Index:</b> 15037	<b>EO Index:</b> 30592	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1995-09-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-09-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-03-31
<b>Main Source:</b> STEBBINS, J. & B. TRAYLER 1995 (OBS)			

**Quad Summary:** MILLERTON LAKE EAST (3711915/398D)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.11941° / -119.60002°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4111283 E269000	<b>Range:</b> 22E
<b>Area:</b> 12.1 ac	<b>Section:</b> 29
<b>Elevation:</b> 2,475 ft	<b>Qtr:</b> W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** NW FINGER OF KENNEDY TABLE; 0.3-0.5 MI DUE W OF HIDEAWAY RANCH.  
**Location Detail:** NEAR AN OLD STONE FENCE.  
**Ecological:** LARGE POOL (APPROX. 6 ACRES) IN NONNATIVE GRASSLAND WITH DOWNINGIA BICORNUTA, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITATUS, AND POGOGYNE DOUGLASII. HISTORICAL COLLECTION OF GRATIOLA HETEROSEPALA FROM THIS SITE.  
**General:** MILLIONS OF PLANTS IN 1995. MAPPED AS NON-SPECIFIC POLYGON; MAP DETAIL NEEDED.  
**Owner/Manager:** PVT

**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b>	<b>NDDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 8	<b>Map Index:</b> 31079	<b>EO Index:</b> 3636	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-23
<b>Main Source:</b> CANORUS LTD. 1992 (OBS)			

**Quad Summary:** DOGTOOTH PEAK (3711921/396A), MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.25075° / -119.05437°	<b>UTM:</b> Zone-11 N4124667 E317801	<b>Area:</b> 155.3 ac	<b>Elevation:</b> 9,200 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 27E	<b>Section:</b> XX	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** LAKECAMP CREEK AND LAKE, ABOUT 1.5 MILES SOUTH OF MOUNT GIVENS, SIERRA NATIONAL FOREST.  
**Location Detail:** A TOTAL OF 12 ADULTS WERE FOUND ALONG THE LAKE AND CREEK. SITE #111.  
**Ecological:** 31 GARTER SNAKES WERE ALSO FOUND IN THIS AREA. TROUT ARE PPRESENT IN BOTH THE LAKE AND THE CREEK.  
**Threat:** CATTLE AND TROUT PRESENT  
**General:** 768 METERS OF STREAM, TRIBUTARY & MEADOW WERE SURVEYED OVER 2 DAYS. 30 EGGS, 20 TADPOLES, 10 ADULTS OBSERVED ON 2 SAMPLE DAYS, 1993.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 9	<b>Map Index:</b> 30908	<b>EO Index:</b> 3609	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1993-08-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-08-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-23
<b>Main Source:</b> CANORUS LTD. 1992 (OBS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.26494° / -119.09055°	<b>UTM:</b> Zone-11 N4126311 E314627	<b>Area:</b> 395.7 ac	<b>Elevation:</b> 8,000 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 26E	<b>Section:</b> XX	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** RANCHERIA CREEK, TRIBUTARY OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.  
**Location Detail:** 291.5 METERS OF RANCHERIA CREEK, 102.4 METERS OF TRIBUTARY STREAMS, & 374.3 METERS OF MEADOW WERE SURVEYED OVER A 2 DAY PERIOD. 1993 SURVEY - BADGER FLAT TRAIL CROSSING, SITE #106.  
**Threat:** CATTLE GRAZING, TROUT PRESENT  
**General:** 13 ADULTS WERE OBSERVED 6/30/92 - 7/1/92. 2 TADPOLES, 5 ADULTS OBSERVED 1993.  
**Owner/Manager:** USFS-SIERRA NF

**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 22	<b>Map Index:</b> 44197	<b>EO Index:</b> 44197	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1965-07-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1965-07-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-24
<b>Main Source:</b> CAS HERPETOLOGICAL HOLDINGS 2000 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.29455° / -119.10170°	<b>UTM:</b> Zone-11 N4129619 E313711	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 9,000 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 26	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** VICINITY OF KAISER PASS AND KAISER PASS MEADOW, 2.5 MILES SW OF PORTAL FOREBAY.  
**Location Detail:** MVZ COLLECTIONS FROM "KAISER PASS", "0.2 MI N KAISER PASS", "0.2 MI NE KAISER PASS" AND "0.2 MI NW KAISER PASS".  
**General:** CAS: #98074-5 (29 MAY 1961), #98650-62 & #97679-83 (6-7 JUL 1964), #102596-605 (4 JUL 1965). MVZ: #26964-7 (30 JUL 1938), #61789, 64498-507 & 81730-1 (27 MAY 1954), #62389, 62639-40, 62649-52, 62654-60, 62700 & 62702 (7 JUN 1955)

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 35	<b>Map Index:</b> 44772	<b>EO Index:</b> 44791	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1955-06-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1955-06-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-24
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.31068° / -119.11963°	<b>UTM:</b> Zone-11 N4131444 E312162	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 8,420 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 22	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** KAISER PEAK MEADOWS, 2.5 MILES NORTHWEST OF KAISER PASS SUMMIT, SIERRA NATIONAL FOREST.  
**Ecological:** MONTANE MEADOW  
**General:** 14 MVZ SPECIMEN #S 61786-88 (26 MAY 1954), 64496-7 (27 MAY 1954), 62643-8, 62653, 62701 & 62703 (7 JUN 1955). ALL COLLECTED BY E. L. KARLSTROM.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 36	<b>Map Index:</b> 44793	<b>EO Index:</b> 44793	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1953-07-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1953-07-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-24
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.29538° / -119.11309°	<b>UTM:</b> Zone-11 N4129734 E312703	<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 9,200 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 27	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** 0.6 MI NORTHWEST OF KAISER PASS AT 9200 FT ELEVATION, KAISER WILDERNESS, SIERRA NATIONAL FOREST.  
**General:** MVZ SPECIMEN #S 60159-60175, COLLECTED 19-20 JUL 1953 BY E.L. KARLSTROM.

**Owner/Manager:** USFS-SIERRA NF

Camissonia sierrae ssp. alticola

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

Status	NDDB Element Ranks	Other Lists
Federal: Species of Concern State: None	Global: G3T2 State: S2.2	CNPS List: 1B R-E-D Code: 2-2-3

Habitat Associations

General: UPPER MONTANE CONIFEROUS FOREST. KNOWN FROM FEW OCCURRENCES IN FRESNO AND MARIPOSA COUNTIES.  
 Micro: IN SAND OR GRAVEL OVER GRANITE IN MIXED CONIFER FOREST; WITH GAYOPHYTUM, COLLINSIA, ETC. 2120-2335M.

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
1	15929	18875	Element: 1982-06-15 Site: 1982-06-15
Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Main Source: QUIBELL, S. & C. #5804 CAS (HERB)			Record Last Updated: 1989-08-11

Quad Summary: FLORENCE LAKE (3711838/415C), MT. GIVENS (3711931/416D)  
 County Summary: FRESNO

Lat/Long: 37.33486° / -119.00547°	Township: 07S
UTM: Zone-11 N4133906 E322337	Range: 27E
Area: 404.1 ac	Section: XX Qtr: XX
Elevation: 7,000 ft	Meridian: M
Mapping Precision: SPECIFIC	Symbol Type: POLYGON

Location: MONO HOT SPRINGS & NE FOR APPROX 2.0 MI.  
 Ecological: IN GRAVEL AND SAND PANS OVER GRANITE SUBSTRATE IN MIXED CONIFER FOREST. ASSOCIATED WITH GAYOPHYTUM.  
 Threat: SOME PARKING OCCURS.  
 General: INCLUDES FORMER OCCURRENCE #2.  
 Owner/Manager: USFS-SIERRA NF



**Epilobium howellii**

subalpine fireweed

Element Code: PDONA06180

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G1	CNPS List: 1B
State: None	State: S1.3	R-E-D Code: 3-1-3

**Habitat Associations**

**General:** MEADOWS, SUBALPINE CONIFEROUS FOREST.  
**Micro:** WET MEADOWS, MOSSY SEEPS. 1970-2700M.

<b>Occurrence No.</b> 2	<b>Map Index:</b> 31124	<b>EO Index:</b> 3417	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-03-15
<b>Main Source:</b> HOCH, P. 1992 (LIT)			

**Quad Summary:** MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.30640° / -119.08325°	<b>Township:</b> 17S
<b>UTM:</b> Zone-11 N4130898 E315375	<b>Range:</b> 26E
<b>Radius:</b> 3/5 mile	<b>Section:</b> 24 <b>Qtr:</b> NE
<b>Elevation:</b> 8,200 ft	<b>Meridian:</b> M

**Location:** 1 MILE SOUTHWEST OF PORTAL FOREBAY.

**General:** ONLY SOURCE OF INFORMATION IS UNDATED COLLECTION BY HOCH (#503 MO).

**Owner/Manager:** UNKNOWN

**Rana muscosa**

mountain yellow-legged frog

Element Code: AAABH01140

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Endangered	Global: G2	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** FEDERAL LISTING REFERS TO POPULATIONS IN THE SAN GABRIEL, SAN JACINTO & SAN BERNARDINO MOUNTAINS ONLY.  
**Micro:** ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE UP TO 2 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

<b>Occurrence No.</b> 36	<b>Map Index:</b> 44197	<b>EO Index:</b> 4257	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1974-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1974-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-22
<b>Main Source:</b> CASE, S. 1978 (LIT)			

**Quad Summary:** MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.29455° / -119.10170°	<b>UTM:</b> Zone-11 N4129619 E313711	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 9,000 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 26	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** KAISER PASS, APPROXIMATELY 4.0 KILOMETERS SW OF PORTAL FOREBAY; FRESNO COUNTY.  
**Location Detail:** LOCATION WAS GIVEN ONLY AS KAISER PASS, MAPPED TO INCLUDE KAISER PASS MEADOW.  
**General:** SITE DATE APPROXIMATED TO BE 1974; 2 ADULTS COLLECTED AND LABELLED MVZ 136216-136217, DEPOSITED IN THE HERPETOLOGICAL COLLECTION OF THE MUSEUM OF VERTEBRATE ZOOLOGY, UC BERKELEY.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 42	<b>Map Index:</b> 30424	<b>EO Index:</b> 4256	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1992-08-22
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1992-08-22
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-02-02
<b>Main Source:</b> CANORUS LIMITED 1992 (PERS)			

**Quad Summary:** MT. GIVENS (3711931/416D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.25856° / -119.05194°	<b>UTM:</b> Zone-11 N4125529 E318035	<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 9,300 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 08S	<b>Range:</b> 27E	<b>Section:</b> 07	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** LAKECAMP LAKE, LAKECAMP CREEK UPSTREAM FROM LAKE & MEADOW. ABOUT 2.2 KM SOUTH OF MT GIVENS, FRESNO CO.  
**Ecological:** 12 YOSEMITE TOADS & 15 GARTER SNAKES OBSERVED. TROUT ARE FOUND IN THE LAKE.  
**General:** 1 ADULT OBSERVED 8/22/92; 1122.4 METERS OF STREAM, MEADOW AND LAKE SURVEYED.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 184	<b>Map Index:</b> 44772	<b>EO Index:</b> 44772	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1955-06-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1955-06-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-22
<b>Main Source:</b> MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

**Quad Summary:** MT. GIVENS (3711931/416D), KAISER PEAK (3711932/416C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.31068° / -119.11963°	<b>UTM:</b> Zone-11 N4131444 E312162	<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 8,420 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 07S	<b>Range:</b> 26E	<b>Section:</b> 22	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** KAISER PEAK MEADOWS, 2.5 MILES NORTHWEST OF KAISER PASS SUMMIT, SIERRA NATIONAL FOREST.  
**Location Detail:** LOCATION WAS GIVEN ONLY AS ABOVE, MAPPED TO THE MEADOW AREA.  
**Ecological:** MONTANE MEADOW  
**General:** 4 MVZ SPECIMEN #'S: 62870 (27 MAY 1954); 62892, 62894, 62915 (7 JUN 1955) COLLECTED BY E. KARLSTROM (#'S 194; 583, 584, 584A), SEX UNKNOWN, WHOLE ANIMALS (ALCOHOL) IN COLLECTION.  
**Owner/Manager:** USFS-SIERRA NF

**Sphenopholis obtusata**

prairie wedge grass

Element Code: PMPOA5T030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CNPS List: 2
State: None	State: S2.2	R-E-D Code: 2-2-1

**Habitat Associations**

**General:** CISMONTANE WOODLAND, MEADOWS AND SEEPS.

**Micro:** OPEN MOIST SITES, ALONG RIVERS AND SPRINGS, ALKALINE DESERT SEEPS. 360-2325M.

<b>Occurrence No.</b> 6	<b>Map Index:</b> 21487	<b>EO Index:</b> 14199	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1953-07-25
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1953-07-25
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1992-10-13
<b>Main Source:</b> RAVEN P. #5849 UC (HERB)			

**Quad Summary:** MT. GIVENS (3711931/416D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.32740° / -119.01591°	<b>Township:</b> 07S
<b>UTM:</b> Zone-11 N4133098 E321394	<b>Range:</b> 27E
<b>Radius:</b> 1/5 mile	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Elevation:</b> 6,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** MONO HOT SPRINGS, 6 KM NE OF MT. GIVENS.

**Ecological:** NEAR THE MINERAL SPRINGS.

**General:** HERBARIUM LABEL IS ONLY SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

Accipiter gentilis

northern goshawk

Element Code: ABNKC12060

<b>Status</b> _____	<b>NDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G5	<b>CDFG Status:</b> SC
<b>State:</b> None	<b>State:</b> S3	

**Habitat Associations** \_\_\_\_\_

**General:** (NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.  
**Micro:** USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

<b>Occurrence No.</b> 141	<b>Map Index:</b> 15620	<b>EO Index:</b> 26667	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1981-07-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1981-07-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT OF FISH & GAME 1984 (PERS)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24521° / -119.24762°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124442 E300645	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 09
<b>Elevation:</b> 7,280 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** COARSEGRASS MEADOW.

**General:** EYRIE NO. FR002. ACTIVE NEST WITH TWO JUVENILES IN A RED FIR IN 1981. (NEUSCHATZ)

**Owner/Manager:** USFS-SIERRA NF

*Collomia rawsoniana*

flaming trumpet

Element Code: PDPLM02080

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** RIPARIAN FOREST, LOWER MONTANE CONIFEROUS FOREST. ENDEMIC TO MADERA AND MARIPOSA COUNTIES.  
**Micro:** ON STABILIZED ALLUVIUM IN RIPARIAN ZONES. 775-2060M.

<b>Occurrence No.</b> 18	<b>Map Index:</b> 15481	<b>EO Index:</b> 12322	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-06-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-06-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-02-23
<b>Main Source:</b> BRANDT, M. 1979 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B), MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C)

**County Summary:** MADERA

<b>Lat/Long:</b> 37.24031° / -119.36255°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124146 E290437	<b>Range:</b> 24E
<b>Area:</b> 423.7 ac	<b>Section:</b> 16
<b>Elevation:</b> 4,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** ROSS CREEK, CLEARWATER CREEK, & UNNAMED TRIBUTARY NEAR HOGUE RANCH.

**Location Detail:** ALSO IN SECTIONS 7, 8, 17, & 18.

**Ecological:** SHADED RIPARIAN AREAS. ASSOCIATED WITH ALNUS RHOMBIFOLIA, MIMULUS CARDINALIS, RHODODENDRON OCCIDENTALE, AQUILEGIA FORMISA, MIMULUS, RUBUS AND CORNUS.

**Threat:** PROPOSED RV CAMP AT HOGUE RANCH.

**General:** MANY HUNDREDS OF PLANTS IN 1979, 500 SEEN IN 1991 ALONG TRIB. TO ROSS CREEK.

**Owner/Manager:** USFS-SIERRA NF, PVT

**Emys (=Clemmys) marmorata**

western pond turtle

Element Code: ARAAD02030

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G3G4 CDFG Status: SC  
 State: None State: S3

Habitat Associations \_\_\_\_\_

General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
 Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

Occurrence No. 50 Map Index: 32806 EO Index: 19336 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Excellent Element: 2002-05-11  
 Origin: Natural/Native occurrence Site: 2002-05-11  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2003-09-08  
 Main Source: REPLOGL, R. 1993 (OBS)

Quad Summary: SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)  
 County Summary: FRESNO

Lat/Long: 37.11635° / -119.37916° Township: 09S  
 UTM: Zone-11 N4110428 E288618 Range: 24E  
 Area: 338.0 ac Mapping Precision: SPECIFIC Section: XX Qtr: XX  
 Elevation: 2,000 ft Symbol Type: POLYGON Meridian: M

Location: JOSE CREEK, FROM SCE POWERHOUSE #3 TO THE SOUTH FOR APPROX. 6.0 MILES, JOSE BASIN  
 Location Detail: TURTLES FOUND IN POOLS THROUGHOUT ENTIRE 6 MILES OF STREAM.  
 Ecological: HABITAT CONSISTS OF A PERENNIAL STREAM WITH POOLS; CHANNEL TYPE RANGED FROM STEEP BEDROCK TO FLAT SILTY. DOMINANT RIPARIAN PLANTS INCLUDE ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.  
 Threat: THREATENED BY PRESENCE OF BULLFROGS.  
 General: UNKNOWN NUMBER OBSERVED AT JOSE BASIN ROAD; DATE UNKNOWN. 8 CAPTURED & RELEASED ON 15 JUL 1988. 38 ADULTS, 10 JUVENILES, 6 HATCHLINGS OBSERVED ON 21 JUL 1993. 3 ADULTS OBSERVED, 28 MAR 2002. 13 ADULTS/4 JUVENILES OBSERVED, 10-11 MAY  
 Owner/Manager: USFS-SIERRA NF

Occurrence No. 100 Map Index: 32900 EO Index: 18685 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1993-07-01  
 Origin: Natural/Native occurrence Site: 1993-07-01  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1996-03-27  
 Main Source: ASHBY, C. 1993 (OBS)

Quad Summary: MUSICK MTN. (3711923/397A)  
 County Summary: MADERA

Lat/Long: 37.23524° / -119.35494° Township: 08S  
 UTM: Zone-11 N4123567 E291097 Range: 24E  
 Area: 41.3 ac Mapping Precision: SPECIFIC Section: XX Qtr: XX  
 Elevation: 4,100 ft Symbol Type: POLYGON Meridian: M

Location: ROSS CREEK BELOW CONFLUENCE WITH CLEARWATER CREEK AND UNNAMED TRIBUTARY BELOW CLEARWATER FOREST SERVICE STATION.  
 Ecological: MODERATE SIZED STREAM (3M WIDE, 1M MAX DEPTH), WELL VEGETATED BANKS WITH ALDER AND ELDERBERRY. STREAM GRADIENT 4-10%, SMALL BOULDERS.  
 Threat: POSSIBLE THREAT: CONTROLLED BURN PLANNED FOR 1993.  
 General: 4 ADULTS & 2 JUVENILES OBSERVED.  
 Owner/Manager: USFS-SIERRA NF

**Emys (=Clemmys) marmorata**

western pond turtle

Element Code: ARAAD02030

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None Global: G3G4 CDFG Status: SC  
 State: None State: S3

**Habitat Associations**

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

**Occurrence No.** 190 **Map Index:** 47031 **EO Index:** 47031 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2001-07-25  
**Origin:** Natural/Native occurrence **Site:** 2001-07-25  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2002-01-18  
**Main Source:** TIGA, L. 2001 (OBS)

**Quad Summary:** MUSICK MTN. (3711923/397A)  
**County Summary:** FRESNO

**Lat/Long:** 37.14373° / -119.30786° **Township:** 09S  
**UTM:** Zone-11 N4113310 E295027 **Range:** 24E  
**Area:** 33.3 ac **Mapping Precision:**NON-SPECIFIC **Section:** 13 **Qtr:** SW  
**Elevation:** 5,200 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** 0.25 MILE NORTH OF SHAVER LAKE POINT, ALONG SR 168, NEAR STEVENSON CREEK.  
**Location Detail:** WEST AND EAST OF SR 168.  
**Ecological:** HABITAT CONSISTS OF CREEK WITH BEDROCK AND PEBBLE/ORGANIC SUBSTRATE.  
**General:** 31 JUL 2000: 1 ADULT OBSERVED. 25 JUL 2001: 1 ADULT OBSERVED.  
**Owner/Manager:** USFS, SCE

**Occurrence No.** 253 **Map Index:** 52387 **EO Index:** 52387 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2002-05-17  
**Origin:** Natural/Native occurrence **Site:** 2002-05-17  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-09-09  
**Main Source:** DOYLE, D. 2002 (OBS)

**Quad Summary:** MUSICK MTN. (3711923/397A)  
**County Summary:** MADERA

**Lat/Long:** 37.23269° / -119.34218° **Township:** 08S  
**UTM:** Zone-11 N4123256 E292222 **Range:** 24E  
**Area:** 27.3 ac **Mapping Precision:**SPECIFIC **Section:** 15 **Qtr:** SW  
**Elevation:** 3,200 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** ROSS CREEK, BELOW THE DIVERSION, TRIBUTARY TO SAN JOAQUIN RIVER, 6 MILES WEST OF HUNTINGTON LAKE  
**Ecological:** HABITAT CONSISTS OF RIPARIAN, DOMINATED BY FERNS, ALDERS, AND WILLOWS; UPSLOPE CONSISTS OF OAK WOODLAND WITH MANZANITA. STREAM SUBSTRATE IS MOSTLY BEDROCK; SLOPE IS MODERATE TO STEEP.  
**General:** 5 ADULTS AND 1 JUVENILE OBSERVED ON 17 MAY 2002.  
**Owner/Manager:** USFS-SIERRA NF

Linanthus serrulatus

Madera linanthus

Element Code: PDPLM09130

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> Species of Concern	<b>Global:</b> G1?	<b>CNPS List:</b> 1B
<b>State:</b> None	<b>State:</b> S1?	<b>R-E-D Code:</b> 2-2-3

**Habitat Associations**

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

**Micro:** DRY SLOPES; OFTEN ON DECOMPOSED GRANITE IN WOODLAND. 80-1575M.

<b>Occurrence No.</b> 6	<b>Map Index:</b> 30836	<b>EO Index:</b> 3965	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1923-05-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1923-05-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-01-24
<b>Main Source:</b> WALKER SN JEPS #58552 (HERB)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.20458° / -119.24076°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4119919 E301147	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 08
<b>Elevation:</b> 5,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** BIG CREEK.

**Location Detail:** MAPPED AT CNDDDB IN VICINITY OF THE COMMUNITY OF BIG CREEK.

**General:** ONLY SOURCE OF INFORMATION IS 1923 COLLECTION BY WALKER (SN JEPS #58552).

**Owner/Manager:** UNKNOWN



Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 25	<b>Map Index:</b> 15473	<b>EO Index:</b> 19209	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-06-01
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-06-01
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Decreasing			<b>Record Last Updated:</b> 2002-10-28
<b>Main Source:</b> HAMON, D. 1979 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.14961° / -119.36348°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4114084 E290103	<b>Range:</b> 24E
<b>Area:</b> 7.2 ac	<b>Section:</b> 16
<b>Elevation:</b> 4,000 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** E SIDE OF OLD RR GRADE RD ABOUT 0.25 MI N OF CONVERGING POWER LINES, W OF FLUME PEAK.

**Ecological:** ON GRANITE GRAVEL OF ROCKY OUTCROP AMONG OAK TREES AND SHRUBS. ASSOCIATES INCLUDE CAMISSONIA, MIMULUS, ARCTOSTAPHYLOS, QUERCUS, CEANOTHUS, PINUS.

**Threat:** ROAD WIDENING THREAT, RD 8S08 HAS DISTURBED SOME HABITAT.

**General:** ABOUT 100 PLANTS SEEN IN 1980.

**Owner/Manager:** USFS-SIERRA NF

Martes pennanti pacifica

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 442	<b>Map Index:</b> 50221	<b>EO Index:</b> 50221	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1989-09-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-09-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-02-18
<b>Main Source:</b> BRICKEY, A. ND (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.17633° / -119.28685°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4116882 E296981	<b>Range:</b> 25E
<b>Radius:</b> 3/5 mile	<b>Section:</b> 06
<b>Elevation:</b> 5,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** ABOUT 2 MILES NNE OF SHAVER LAKE & 2 MILES SW OF CAMP SIERRA. SIERRA NATIONAL FOREST.

**Location Detail:** LOCATION GIVEN ONLY AS TOWNSHIP, RANGE & SECTION.

**General:** OBSERVATION BY G. DENTON IN SEPT 1989.

**Owner/Manager:** USFS-SIERRA NF

**Myotis evotis**

long-eared myotis

Element Code: AMACC01070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Species of Concern **Global:** G5 **CDFG Status:**  
**State:** None **State:** S4?

**Habitat Associations** \_\_\_\_\_  
**General:** FOUND IN ALL BRUSH, WOODLAND & FOREST HABITATS FROM SEA LEVEL TO ABOUT 9000 FT. PREFERS CONIFEROUS WOODLANDS & FORESTS.  
**Micro:** NURSERY COLONIES IN BUILDINGS, CREVICES, SPACES UNDER BARK, & SNAGS. CAVES USED PRIMARILY AS NIGHT ROOSTS.

**Occurrence No.** 10 **Map Index:** 52409 **EO Index:** 52409 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2002-06-24  
**Origin:** Natural/Native occurrence **Site:** 2002-06-24  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-09-10  
**Main Source:** HEADY, P. 2002 (OBS)

**Quad Summary:** MUSICK MTN. (3711923/397A)  
**County Summary:** FRESNO

**Lat/Long:** 37.20721° / -119.32566° **Township:** 08S  
**UTM:** Zone-11 N4120392 E293618 **Range:** 24E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 26 **Qtr:** SE  
**Elevation:** 2,387 ft **Symbol Type:**POINT **Meridian:** M

**Location:** BIG CREEK BRIDGE, ABOVE POWERHOUSE 8, SOUTH OF CHAWANAKEE FLATS, SIERRA NATIONAL FOREST  
**General:** AN UNKNOWN NUMBER OBSERVED ON 5 AUG 2002, DURING ACCOUSTICAL ANABAT SURVEYS.  
**Owner/Manager:** USFS-SIERRA NF

**Occurrence No.** 11 **Map Index:** 52410 **EO Index:** 52410 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2002-06-24  
**Origin:** Natural/Native occurrence **Site:** 2002-06-24  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-09-10  
**Main Source:** HEADY, P. 2002 (OBS)

**Quad Summary:** MUSICK MTN. (3711923/397A)  
**County Summary:** FRESNO, MADERA

**Lat/Long:** 37.21804° / -119.33651° **Township:** 08S  
**UTM:** Zone-11 N4121618 E292685 **Range:** 24E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 22 **Qtr:** SE  
**Elevation:** 2,321 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SAN JOAQUIN RIVER, DOWNSTREAM FROM MAMMOTH POOL, SIERRA NATIONAL FOREST  
**General:** 24 JUN 2002: AN UNKNOWN NUMBER OBSERVED DURING ACCOUSTICAL ANABAT SURVEYS; ONE ADULT MALE CAPTURED DURING MIST NETTING.  
**Owner/Manager:** USFS-SIERRA NF

**Occurrence No.** 12 **Map Index:** 52411 **EO Index:** 52411 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2002-08-05  
**Origin:** Natural/Native occurrence **Site:** 2002-08-05  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-09-10  
**Main Source:** HEADY, P. 2002 (OBS)

**Quad Summary:** MUSICK MTN. (3711923/397A)  
**County Summary:** FRESNO

**Lat/Long:** 37.14374° / -119.30563° **Township:** 09S  
**UTM:** Zone-11 N4113306 E295225 **Range:** 24E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 13 **Qtr:** SW  
**Elevation:** 5,300 ft **Symbol Type:**POINT **Meridian:** M

**Location:** STEVENSON CREEK, BY SHAVER DAM, SIERRA NATIONAL FOREST  
**General:** AN UNKNOWN NUMBER OBSERVED ON 5 AUG 2002, DURING ACCOUSTICAL ANABAT SURVEYS.  
**Owner/Manager:** USFS-SIERRA NF

**Myotis evotis**

long-eared myotis

Element Code: AMACC01070

<b>Status</b> _____	<b>NDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G5	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> S4?	

**Habitat Associations** \_\_\_\_\_

**General:** FOUND IN ALL BRUSH, WOODLAND & FOREST HABITATS FROM SEA LEVEL TO ABOUT 9000 FT. PREFERS CONIFEROUS WOODLANDS & FORESTS.  
**Micro:** NURSERY COLONIES IN BUILDINGS, CREVICES, SPACES UNDER BARK, & SNAGS. CAVES USED PRIMARILY AS NIGHT ROOSTS.

<b>Occurrence No.</b> 13	<b>Map Index:</b> 52413	<b>EO Index:</b> 52413	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-08-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-08-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-10
<b>Main Source:</b> HEADY, P. 2002 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.18655° / -119.34318°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4118139 E292006	<b>Range:</b> 24E
<b>Radius:</b> 80 meters	<b>Section:</b> 34 <b>Qtr:</b> SW
<b>Elevation:</b> 2,600 ft	<b>Meridian:</b> M

**Location:** MILLION DOLLAR MINE ROAD STAIRCASE, SIERRA NATIONAL FOREST

**General:** AN UNKNOWN NUMBER OBSERVED ON 6 AUG 2002, DURING ACCOUSTICAL ANABAT SURVEYS.

**Owner/Manager:** USFS-SIERRA NF

Rana boylei

foothill yellow-legged frog

Element Code: AAABH01050

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.  
**Micro:** NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

<b>Occurrence No.</b> 369	<b>Map Index:</b> 52379	<b>EO Index:</b> 52379	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2002-05-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-05-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-09
<b>Main Source:</b> DOYLE, D. 2002 (OBS)			

**Quad Summary:** MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13849° / -119.37836°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112884 E288750	<b>Range:</b> 24E
<b>Area:</b> 57.6 ac	<b>Section:</b> 20
<b>Elevation:</b>	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** JOSE CREEK, FROM JUST DOWNSTREAM OF ITALIAN BAR ROAD UPSTREAM TO JOSE BASIN ROAD

**Ecological:** HABITAT CONSISTS OF RIPARIAN DOMINATED BY ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.

**General:** 9 ADULTS, 3 JUVENILES, AND 2 EGGS MASSES OBSERVED ON 10-11 MAY 2002.

**Owner/Manager:** PVT-SOUTHERN CAL EDISON, USFS

Strix nebulosa

great gray owl

Element Code: ABNSB12040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status:
State: Endangered	State: S1	

**Habitat Associations**

**General:** (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.

**Micro:** REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

<b>Occurrence No.</b> 20	<b>Map Index:</b> 30013	<b>EO Index:</b> 15735	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-08-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-08-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1994-04-20
<b>Main Source:</b> WINTER, J. 1980 (LIT)			

**Quad Summary:** HUNTINGTON LAKE (3711922/396B), MUSICK MTN. (3711923/397A), KAISER PEAK (3711932/416C), MAMMOTH POOL DAM (3711933/417D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23860° / -119.26014°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4123735 E299517	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 17
<b>Elevation:</b> 7,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NEAR BLACK POINT, WEST OF HUNTINGTON LAKE, SIERRA NATIONAL FOREST.

**Ecological:** FOREST HABITAT DOMINATED BY RED FIR AND LODGEPOLE PINE.

**General:** THREE OWLS HEARD BUT NOT SEEN JUNE 18, AND JULY 7, 12, 16, AND 23, 1979 BY M. KUNDE; ONE MALE HEARD BUT NOT SEEN 8/14/79 BY J. WINTER.

**Owner/Manager:** USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: Threatened	Global: G5T3 State: S1	CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 3	<b>Map Index:</b> 15539	<b>EO Index:</b> 23755	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1965-04-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1965-04-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** SHAVER LAKE (3711913/397D), MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13355° / -119.31707°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112200 E294182	<b>Range:</b> 24E
<b>Radius:</b> 1 mile	<b>Section:</b> 23
<b>Elevation:</b> 5,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> E
<b>Symbol Type:</b> POINT	

**Location:** SHAVER LAKE HEAR ROCK HAVEN (N OF SHAVER LAKE HEIGHTS ON RT 168)

**Ecological:** PINE-DOUGLAS FIR-ABIES FOREST.

**Owner/manager:** UNKNOWN

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No.</b> 6	<b>Map Index:</b> 15250	<b>EO Index:</b> 13929	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1987-10-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1987-10-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** NORTH FORK (3711925/398A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13526° / -119.50875°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112824 E277157	<b>Range:</b> 23E
<b>Area:</b> 557.0 ac	<b>Section:</b> 19
<b>Elevation:</b> 1,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** JUST S OF KERCKHOFF LAKE ON SAN JOAQUIN RIVER, BOTH SIDES POWERHOUSE RD #1.  
**Location Detail:** NEAR HEAVILY USED FIRE CONTROL AND UTILITY OPERATIONS ROAD.  
**Threat:** GRAZING, HYDROELECTRIC OPERATIONS, AND ORV ACTIVITIES THREATEN.  
**General:** 4-5 PLANTS SEEN IN 1987. NORTHERNMOST OCCURRENCE.  
**Owner/Manager:** USFS-SIERRA NF



Central Valley Drainage Hardhead/Squawfish Stream

Element Code: CARA2443CA

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None State: None	Global: G? State: S?	
<b>Habitat Associations</b>		
General:		
Micro:		

**Occurrence No. 5**      **Map Index:** 25577      **EO Index:** 5337      **Dates Last Seen**

**Occ Rank:** Good      **Element:** 1986-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1986-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Decreasing      **Record Last Updated:** 1994-06-17  
**Main Source:** MOYLE, PETER 1991 (LIT)

**Quad Summary:** AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A)  
**County Summary:** FRESNO, MADERA

<b>Lat/Long:</b> 37.13659° / -119.48961°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112926 E278862	<b>Range:</b> 23E
<b>Area:</b> 559.3 ac	<b>Section:</b> 28 <b>Qtr:</b> XX
<b>Elevation:</b> 1,200 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** SAN JOAQUIN RIVER, BETWEEN KERCKHOFF & REDINGER RESERVOIRS.  
**Location Detail:** BETWEEN KERCKHOFF RESERVOIR AND REDINGER RESERVOIR. ALSO INCLUDES WILLOW CREEK FROM MOUTH TO CONFLUENCE OF WHISKY CREEK.  
**Ecological:** DEEP, ROCKY POOL HABITAT IN STEEP CANYON WHICH CONTAINS HARDHEAD, SQUAWFISH, AND SACRAMENTO SUCKER. FLOWS ARE REGULATED BY UPSTREAM DAMS. WILLOW, PINE, OAK, COTTONWOOD, AND CEDAR RIPARIAN VEGETATION.  
**Threat:** GRAZING DEGRADING STREAMBANKS ON LOWER WILLOW CREEK. DAMS UPSTREAM MINIMIZING FLOWS.  
**General:** LOCAL SUPPORT FOR PROTECTION OF STREAM BY "SAVE OUR STREAMS, INC."  
**Owner/Manager:** PVT

**Occurrence No. 7**      **Map Index:** 25575      **EO Index:** 5394      **Dates Last Seen**

**Occ Rank:** Fair      **Element:** 1986-08-14  
**Origin:** Natural/Native occurrence      **Site:** 1986-08-14  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1994-06-16  
**Main Source:** BROWN, LARRY 1987 (LIT)

**Quad Summary:** NORTH FORK (3711925/398A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.16022° / -119.51033°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4115597 E277090	<b>Range:</b> 23E
<b>Area:</b> 82.5 ac	<b>Section:</b> 07 <b>Qtr:</b> XX
<b>Elevation:</b> 1,080 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** UNNAMED TRIB TO KERCKHOFF LAKE ALONG AUBERRY ROAD, MADERA CO.  
**Location Detail:** FROM MOUTH UPSTREAM TO FIRST FORK IN TRIBUTARY.  
**Ecological:** HARDHEAD, SQUAWFISH AND SACRAMENTO SUCKERS ALL IN DEEP, BOULDER POOL. FLOW ABOUT 1/10 CFS. STICKLEBACK ALSO FOUND, MOSTLY AT MOUTH ON SANDY SUBSTRATE. OAK AND WILLOW RIPARIAN VEGETATION.  
**Threat:** GRAZING, ROAD CROSSINGS, SEDIMENT ACCUMULATION AT MOUTH IN RESERVOIR.  
**Owner/Manager:** USFS-SIERRA NF

Central Valley Drainage Rainbow Trout/Cyprinid Stream

Element Code: CARA2422CA

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G?	
State: None	State: S?	

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General:

Micro:

Occurrence No. 1	Map Index: 25576	EO Index: 5393	_____ Dates Last Seen _____
Occ Rank: Fair			Element: 1986-08-13
Origin: Natural/Native occurrence			Site: 1986-08-13
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-06-21
Main Source: BROWN, LARRY 1987 (LIT)			

Quad Summary: CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A)  
 County Summary: MADERA

Lat/Long: 37.20409° / -119.49039°	Township: 08S
UTM: Zone-11 N4120418 E278989	Range: 23E
Area: 544.2 ac	Section: 19
Elevation: 2,400 ft	Meridian: M
	Qtr: XX
Mapping Precision: NON-SPECIFIC	
Symbol Type: POLYGON	

Location: WILLOW CREEK, TRIBUTARY TO SAN JOAQUIN RIVER, AT TOWN OF NORTH FORK.

Location Detail: FROM WHISKY CREEK CONFLUENCE UPSTREAM TO LOWER REACHES OF NORTH AND SOUTH FORK WILLOW CK.

Ecological: FISH ASSEMBLAGE INCLUDES RAINBOW TROUT, SACRAMENTO SUCKER, CALIFORNIA ROACH, AND PRICKLY SCULPINS. OAK, ALDER, ASH AND PINE TREES ARE DOMINANT RIPARIAN VEGETATION.

Threat: DEVELOPMENT, INCLUDING MANY NEW ROADS AROUND TOWN OF NORTH FORK. CONTROLLED FLOWS ON NF WILLOW CREEK BY SERIES OF DAMS.

Owner/Manager: PVT

**Desmocerus californicus dimorphus**

valley elderberry longhorn beetle

Element Code: IICOL48011

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G3T2	CDFG Status:
State: None	State: S2	

**Habitat Associations**

**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> 187	<b>Map Index:</b> 44676	<b>EO Index:</b> 44676	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2000-11-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2000-11-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-01-02
<b>Main Source:</b> PERKINS, D. 2000 (OBS)			

**Quad Summary:** NORTH FORK (3711925/398A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.22380° / -119.51280°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4122658 E277058	<b>Range:</b> 22E
<b>Radius:</b> 1/10 mile	<b>Section:</b> 24
<b>Elevation:</b> 2,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** WEST OF WILLOW CREEK, 0.5 MILE SOUTH OF NORTH FORK

**Ecological:** SURROUNDING HABITATS CONSIST OF PONDEROSA PINE, CHAPARRAL, AND INTERIOR LIVE OAK FORESTS; VEGETATED BY BUCKBRUSH, MAZANITA, AND POISON OAK.

**General:** 2 EXIT HOLES OBSERVED ON A PLANT THAT WAS TRANSPLANTED, 28 NOV 2000 AS PART OF A CONSERVATION EASEMENT. BUSHES TO BE MAINTAINED BY RANCHERIA.

**Owner/Manager:** BIA-NORTH FORK RANCHERIA

Emys (=Clemmys) marmorata

western pond turtle

Element Code: ARAAD02030

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G3G4 **CDFG Status:** SC  
 State: None **State:** S3

**Habitat Associations** \_\_\_\_\_

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

**Occurrence No.** 43 **Map Index:** 32799 **EO Index:** 656 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** XXXX-XX-XX  
**Origin:** Natural/Native occurrence **Site:** XXXX-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-02-22  
**Main Source:** HOLLAND, D. 1988 (PERS)

**Quad Summary:** NORTH FORK (3711925/398A), O'NEALS (3711926/398B)  
**County Summary:** MADERA

**Lat/Long:** 37.16958° / -119.63854° **Township:** 09S  
**UTM:** Zone-11 N4116945 E265732 **Range:** 21E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 12 **Qtr:** XX  
**Elevation:** 1,000 ft **Symbol Type:** POINT **Meridian:** M

**Location:** FINE GOLD CREEK, APPROX. 4.3 MILES NORTHEAST OF O'NEALS.  
**General:** COLLECTED BY R.W. HANSEN, DATE AND NUMBER OF SPECIMENS UNKNOWN.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 44 **Map Index:** 32800 **EO Index:** 4679 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** XXXX-XX-XX  
**Origin:** Natural/Native occurrence **Site:** XXXX-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-01-15  
**Main Source:** HOLLAND, D. 1988 (PERS)

**Quad Summary:** NORTH FORK (3711925/398A)  
**County Summary:** FRESNO, MADERA

**Lat/Long:** 37.14002° / -119.51962° **Township:** 09S  
**UTM:** Zone-11 N4113377 E276205 **Range:** 22E  
**Area:** 166.1 ac **Mapping Precision:** SPECIFIC **Section:** XX **Qtr:** XX  
**Elevation:** 1,000 ft **Symbol Type:** POLYGON **Meridian:** M

**Location:** KERCKHOFF RESERVOIR; APPROX. 4 MILES NORTH OF NEW AUBERRY.  
**General:** CAS/SU SPECIMEN #7801, DATE UNKNOWN.  
**Owner/Manager:** USFS-SIERRA NF

Rana boylei

foothill yellow-legged frog

Element Code: AAABH01050

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.  
**Micro:** NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

<b>Occurrence No.</b> 17	<b>Map Index:</b> 15008	<b>EO Index:</b> 28463	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1970-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1970-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-10-27
<b>Main Source:</b> MOYLE, P. 1972 (PERS)			

**Quad Summary:** NORTH FORK (3711925/398A), O'NEALS (3711926/398B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.19771° / -119.61042°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4119997 E268316	<b>Range:</b> 22E
<b>Radius:</b> 1 mile	<b>Section:</b> 31
<b>Elevation:</b> 1,320 ft	<b>Qtr:</b> NW
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** LITTLE FINEGOLD LAKE.  
**Location Detail:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.  
**General:** COLL BTWN JULY & SEPT.  
**Owner/Manager:** PVT

<b>Occurrence No.</b> 25	<b>Map Index:</b> 15269	<b>EO Index:</b> 28455	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1970-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1970-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> MOYLE, P. 1972 (PERS)			

**Quad Summary:** CASCADEL POINT (3711924/397B), NORTH FORK (3711925/398A), SHUTEYE PEAK (3711934/417C), BASS LAKE (3711935/418C)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.23660° / -119.49819°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4124044 E278392	<b>Range:</b> 23E
<b>Radius:</b> 1 mile	<b>Section:</b> 18
<b>Elevation:</b> 2,640 ft	<b>Qtr:</b> NE
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** S FORK WILLOW CREEK.  
**Location Detail:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.  
**General:** COLL BTWN JULY & SEPT.  
**Owner/Manager:** PVT

**Haliaeetus leucocephalus**

bald eagle

Element Code: ABNKC10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4	CDFG Status:
State: Endangered	State: S2	

**Habitat Associations**

**General:** (NESTING & WINTERING) OCEAN SHORE, LAKE MARGINS, & RIVERS FOR BOTH NESTING & WINTERING. MOST NESTS WITHIN 1 MI OF WATER.  
**Micro:** NESTS IN LG, OLD-GROWTH, OR DOMINANT LIVE TREE W/OPEN BRANCHES, ESPECIALLY PONDEROSA PINE. ROOSTS COMMUNALLY IN WINTER.

<b>Occurrence No.</b> 232	<b>Map Index:</b> 47014	<b>EO Index:</b> 47014	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2002-06-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-06-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-09
<b>Main Source:</b> TIGAS, L. 2001 (OBS)			

**Quad Summary:** GRAVEYARD PEAK (3711848/415B), SHARKTOOTH PEAK (3711941/416A)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.38195° / -119.00182°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4139125 E322770	<b>Range:</b> 27E
<b>Area:</b> 16.1 ac	<b>Section:</b> 35
<b>Elevation:</b> 7,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** NW SIDE OF LAKE EDISON, ENE OF VERMILION CAMPGROUND  
**Ecological:** NEST TREE IS A JEFFREY PINE, WITHIN JEFFREY PINE FOREST, ALONG LAKE EDISON. SURROUNDING LAND USES INCLUDE RECREATION AND FORESTRY.  
**General:** NEST WITH 2 JUVENILES OBSERVED ON 26 JUL 2001. ADULT ON NEST OBSERVED ON 15 MAY 2002; 2 ADULTS OBSERVED NESTING ON 18 JUN 2002.  
**Owner/Manager:** USFS-SIERRA NF

**Oncorhynchus clarki seleniris**

Paiute cutthroat trout

Element Code: AFCHA02089

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T1T2

CDFG Status:

State: None

State: S1S2

Habitat Associations

General: COOL, WELL-OXYGENATED WATERS

Micro: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS, REQUIRES CLEAN GRAVEL FOR SPAWNING.

Occurrence No. 2

Map Index: 15921

EO Index: 3610

Dates Last Seen

Occ Rank: None

Element: 1978-XX-XX

Origin: Transplant Outside of Native Hab./Range

Site: 1980-XX-XX

Presence: Possibly Extirpated

Trend: Unknown

Record Last Updated: 1995-01-14

Main Source: GERSTUNG, E. 1980 (PERS)

Quad Summary: SHARKTOOTH PEAK (3711941/416A), CRYSTAL CRAG (3711951/435D)

County Summary: FRESNO

Lat/Long: 37.50123° / -119.02967°

Township: 05S

UTM: Zone-11 N4152412 E320590

Range: 27E

Area: 41.3 ac

Mapping Precision: NON-SPECIFIC

Section: XX

Qtr: XX

Elevation: 9,840 ft

Symbol Type: POLYGON

Meridian: M

Location: SHARKTOOTH LAKE AND SHARKTOOTH CREEK.

Location Detail: NO PAIUTE CUTTHROAT TROUT HAVE BEEN SEEN IN THE LAKE SINCE THE TRANSPLANT. FISH MAY STILL EXIST IN THE OUTFLOW STREAM.

Ecological: A 3 ACRE LAKE IN THE HEADWATERS OF FISH CREEK. IT WAS BARREN UNTIL 1968 WHEN IT WAS PLANTED BY HELICOPTER WITH 6 TROUT FROM DELANEY CREEK & 23 FROM THE NORTH FORK COTTONWOOD CREEK. CREEK HABITAT IS STEEP & PROBABLY MARGINAL.

General: NO FISH FOUND IN 1970 OR 1973. IN 1975 & 1978 SOME FISH WERE FOUND IN THE CREEK. NO FISH WERE FOUND IN 1980.

Owner/Manager: USFS-SIERRA NF

**Carpenteria californica**

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.  
**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No. 1</b>	<b>Map Index:</b> 15355	<b>EO Index:</b> 13932	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1987-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1987-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), CASCADEL POINT (3711924/397B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08337° / -119.42828°	<b>UTM:</b> Zone-11 N4106879 E284159	<b>Area:</b> 14,600.6 ac	<b>Elevation:</b> 3,920 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 23E	<b>Section:</b> 10	<b>Meridian:</b> M	<b>Qtr:</b> E
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**Location:** BIG SANDY BLUFFS NORTH TO JUST SOUTH OF SAN JOAQUIN RIVER NEAR ITALIAN BAR.  
**Location Detail:** INCLUDES SEVERAL COLLECTIONS FROM "5 MI ABOVE AUBERRY ON ROAD TO PINERIDGE" AND VICINITY.  
**Ecological:** DECOMPOSED GRANITE IN CHAPARRAL. ASSOCIATED WITH CEANOTHUS, PEDICULARIS, DELPHINIUM, SAMBUCUS, CERCIS OCCIDENTALIS, ASCLEPIAS, ARCTOSTAPHYLOS MARIPOSA, ERIODICTYON CALIFORNICA, AND UMBELLARIA CALIFORNICA.  
**Threat:** THREATENED BY A PROPOSED NEW STATE HIGHWAY PROJECT AND SPRAWLING FOOTHILL DEVELOPMENT.  
**General:** PART OF AREA IS USFS RNA; ANOTHER PART IS USFS CARPENTERIA BOTANICAL AREA. SEVERAL THOUSAND PLANTS SEEN IN 1986 ALONG GRADE UP BIG SANDY BLUFFS (HWY 168). HWY BIASECTS OCCURRENCE. PART OF OCCURRENCE BURNED IN 1984.  
**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No. 4</b>	<b>Map Index:</b> 15519	<b>EO Index:</b> 13930	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1959-05-09
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1959-05-09
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1991-05-03
<b>Main Source:</b> HAMON, D. 1972 (MAP)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.01998° / -119.32653°	<b>UTM:</b> Zone-11 N4099619 E293032	<b>Area:</b> 563.9 ac	<b>Elevation:</b> 2,800 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 35	<b>Meridian:</b> M	<b>Qtr:</b> NW
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**Location:** ALONG N FK SYCAMORE CR, NE OF BURROUGH MTN.  
**Ecological:** ON EAST-FACING SLOPE IN CHAPARRAL.  
**Threat:** OCCURRENCE NEAR HOMES; DUMPING NEARBY. ALSO THREATENED BY ORV USE BY NEARBY RANCHES AND INDIAN RESERVATION.  
**General:** SP SEEN IN 1959. GOOD SITE CONDITION ACCORDING TO STEBBINS (1987).  
**Owner/Manager:** USFS-SIERRA NF



**Carpenteria californica**

tree-anemone

Element Code: PDHDR04010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

**Habitat Associations**

**General:** CISMONTANE WOODLAND, CHAPARRAL. ENDEMIC TO FRESNO COUNTY, CALIFORNIA.

**Micro:** AN VERY LOCALIZED ENDEMIC FOUND ON WELL-DRAINED GRANITIC SOILS, MOSTLY ON N-FACING RAVINES AND DRAINAGES. 340-1340M.

<b>Occurrence No.</b> 9	<b>Map Index:</b> 22758	<b>EO Index:</b> 8307	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-02-19
<b>Main Source:</b> WILSON, S. & J. CLINES 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02452° / -119.28839°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4100041 E296438	<b>Range:</b> 25E
<b>Area:</b> 9.6 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** APPROX. 10 KM (6 MI) SOUTH OF SHAVER LAKE, 1.7 KM (1.1 MI) SOUTH OF PETERSON MILL (SITE).

**Location Detail:** EAST OF MOUNTAIN REST ON FOREST ROAD 10S02, SOUTH ON 10S43 TO 10S43E. NORTHWEST 1.8 MI UP GRANITE OUTCROP.

**Ecological:** GROWING AT MARGIN OF LARGE GRANITE OUTCROP ALONG CHAPARRAL/YELLOW PINE FOREST ECOTONE. ASSOCIATED WITH LUPINUS CITRINUS.

**Threat:** LOGGING MAY THREATEN IN THE FUTURE.

**General:** 15 PLANTS SEEN IN 1991. USFS BOTANY PERSONNEL WORKED WITH MARKING CREW DURING SALVAGE TIMBER SALE TO FLAG WIDE MARGIN AROUND THE POPULATION IN 1991.

**Owner/Manager:** USFS-SIERRA NF

**Empidonax traillii**

willow flycatcher

Element Code: ABPAE33040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status:
State: Endangered	State: S1S2	

**Habitat Associations**

**General:** (NESTING) INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 ELEV  
**Micro:** REQUIRE DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

<b>Occurrence No.</b> 63	<b>Map Index:</b> 21058	<b>EO Index:</b> 9119	<b>Dates Last Seen</b>
<b>Occ Rank:</b> None			<b>Element:</b> 1988-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1992-07-24
<b>Presence:</b> Possibly Extirpated			
<b>Trend:</b> Decreasing			<b>Record Last Updated:</b> 1993-04-13
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09423° / -119.27104°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4107739 E298166	<b>Range:</b> 25E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 05
<b>Elevation:</b> 5,720 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** POISON MEADOW, IN VICINITY OF DINKEY CREEK, SOUTH OF SHAVER LAKE, SIERRA NATIONAL FOREST.

**Ecological:** ALTHOUGH BROWN-HEADED COWBIRDS WERE PRESENT DURING THE 1992 BREEDING SEASON, NO NEST PARASITISM WAS OBSERVED.

**Threat:** THREATS INCLUDE MODERATE TO HEAVY GRAZING AND POTENTIAL NEST PARASITISM BY BROWN-HEADED COWBIRDS.

**General:** 6/11/84: 3 SINGING MALES OBSERVED; 5/14/85: 1 SINGING MALE OBSERVED; 7/2/86: 2 SINGING MALES OBSERVED; 1988: 1 PAIR OBSERVED NESTING (FIRST NEST UNSUCCESSFUL, SECOND NEST FLEDGED 3 YOUNG); 1989, 1991-92: NO WILLOW FLYCATCHERS OBSERVED.

**Owner/Manager:** USFS-SIERRA NF

**Emys (=Clemmys) marmorata**

western pond turtle

**Element Code:** ARAAD02030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3G4	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.  
**Micro:** NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

<b>Occurrence No.</b> 50	<b>Map Index:</b> 32806	<b>EO Index:</b> 19336	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2002-05-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-05-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-08
<b>Main Source:</b> REPLOGLE, R. 1993 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C), MUSICK MTN. (3711923/397A), CASCADEL POINT (3711924/397B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11635° / -119.37916°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4110428 E288618	<b>Range:</b> 24E
<b>Area:</b> 338.0 ac	<b>Section:</b> XX
<b>Elevation:</b> 2,000 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	

**Location:** JOSE CREEK, FROM SCE POWERHOUSE #3 TO THE SOUTH FOR APPROX. 6.0 MILES, JOSE BASIN

**Location Detail:** TURTLES FOUND IN POOLS THROUGHOUT ENTIRE 6 MILES OF STREAM.

**Ecological:** HABITAT CONSISTS OF A PERENNIAL STREAM WITH POOLS; CHANNEL TYPE RANGED FROM STEEP BEDROCK TO FLAT SILTY. DOMINANT RIPARIAN PLANTS INCLUDE ALDERS AND WILLOWS; SURROUNDED BY OAK WOODLAND UPSLOPE.

**Threat:** THREATENED BY PRESENCE OF BULLFROGS.

**General:** UNKNOWN NUMBER OBSERVED AT JOSE BASIN ROAD; DATE UNKNOWN. 8 CAPTURED & RELEASED ON 15 JUL 1988. 38 ADULTS, 10 JUVENILES, 6 HATCHLINGS OBSERVED ON 21 JUL 1993. 3 ADULTS OBSERVED, 28 MAR 2002. 13 ADULTS/4 JUVENILES OBSERVED, 10-11 MAY

**Owner/Manager:** USFS-SIERRA NF

**Haliaeetus leucocephalus**

bald eagle

Element Code: ABNKC10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G4	CDFG Status:
State: Endangered	State: S2	

**Habitat Associations**

**General:** (NESTING & WINTERING) OCEAN SHORE, LAKE MARGINS, & RIVERS FOR BOTH NESTING & WINTERING. MOST NESTS WITHIN 1 MI OF WATER.  
**Micro:** NESTS IN LG, OLD-GROWTH, OR DOMINANT LIVE TREE W/OPEN BRANCHES, ESPECIALLY PONDEROSA PINE. ROOSTS COMMUNALLY IN WINTER.

<b>Occurrence No.</b> 231	<b>Map Index:</b> 47011	<b>EO Index:</b> 47011	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2002-06-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-06-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-09-09
<b>Main Source:</b> BYRD, S. 2001 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11363° / -119.27972°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4109910 E297446	<b>Range:</b> 25E
<b>Area:</b> 15.2 ac	<b>Section:</b> 30
<b>Elevation:</b> 5,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** RAINBOW POINT, ON THE SOUTH END OF SHAVER LAKE

**Ecological:** NEST TREE IS A SUGAR PINE IN MIXED CONIFEROUS FOREST; SURROUNDED BY A MULTIPLE USE AREA (TIMBER HARVEST, CONTROLLED BURNING, INTENSE RECREATION, HUNTING, WOOD CUTTING, BOY SCOUT CAMP, SUMMER CABINS, HIGH-SPEED WATERCRAFT, & TWO GUN CLUBS).

**General:** 2 NESTING ADULTS, 2 SUB-ADULTS, AND 2 YOUNG OF THE YEAR OBSERVED AT THIS NEST SITE ON 24 APR 2001. EMPTY NEST OBSERVED ON 15 MAY 2002; 1 ADULT ON NEST OBSERVED ON 18 JUN 2002.

**Owner/Manager:** SOUTHERN CAL EDISON

Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** LOWER MONTANE CONIFEROUS FOREST, PINYON JUNIPER WOODLAND, UPPER MONTANE CONIFEROUS FOREST.  
**Micro:** FINE GRAVEL ON ROCK OUTCROPS, RIDGES, OR DOMES. GRANITIC SOILS. 1560-2610M.

<b>Occurrence No.</b> 14	<b>Map Index:</b> 38756	<b>EO Index:</b> 33763	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1997-03-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-03-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-12
<b>Main Source:</b> CLINES, J. & Y. COUGOULET 1997 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04907° / -119.27544°	<b>UTM:</b> Zone-11 N4102737 E297656	<b>Area:</b> 8.7 ac	<b>Elevation:</b> 4,700 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 20	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** RIDGE BETWEEN RUSH CREEK AND BLUE CANYON, 1 MI N OF PETERSON RD AND 2.6 MI SE OF SIERRA CEDARS, SOUTH OF SHAVER LAKE.  
**Location Detail:** ON GRANITE DOME EAST OF USFS ROAD 10S50 WITHIN THE SW 1/4 NW 1/4 SECTION 20.  
**Ecological:** LARGE, OPEN GRANITE DOME SURROUNDED BY MIXED CONIFER/PONDEROSA PINE FOREST. ASSOCIATED WITH MOSSES, ARCTOSTAPHYLOS VISCIDA MARIPOSA, PINUS PONDEROSA, AND LUPINUS CITRINUS VAR. CITRINUS. PLANTS GROWING IN GRAVEL.  
**Threat:** OHV ROUTE/ROAD CUTS THROUGH POPULATION.  
**General:** 1050 PLANTS OBSERVED IN 1997.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 15	<b>Map Index:</b> 38758	<b>EO Index:</b> 33765	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1996-03-09
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1996-03-09
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-12
<b>Main Source:</b> CLINES, J. & D. TAYLOR 1996 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03847° / -119.27915°	<b>UTM:</b> Zone-11 N4101569 E297297	<b>Area:</b> 10.7 ac	<b>Elevation:</b> 4,400 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 30	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** ALONG RUSH CREEK, NORTH SIDE OF PETERSON ROAD ABOUT 0.7 MILE EAST OF PETERSON MILL (SITE), SOUTH OF SHAVER LAKE.  
**Location Detail:** TWO COLONIES NEAR QUARRY OFF OF UNNAMED DIRT ROAD IN THE NE 1/4 NE 1/4 SECTION 30.  
**Ecological:** GRANITE OUTCROP SURROUNDED BY PONDEROSA PINE FOREST. ASSOCIATED WITH MOSS AND LICHEN. THE RARE LUPINUS CITRINUS VAR. CITRINUS IS ALSO FOUND HERE.  
**Threat:** QUARRY NOT IN USE, BUT ACCESS ROADS ARE UTILIZED BY OHVS WHICH HAVE DAMAGED THE HABITAT.  
**General:** 1740 PLANTS OBSERVED IN 1996. CLINE RECOMMENDS CLOSING AREA TO OHV USE. CAMPERS AND THEIR VEHICLES HAVE ALSO DESTROYED PLANTS.  
**Owner/Manager:** USFS-SIERRA NF

Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** LOWER MONTANE CONIFEROUS FOREST, PINYON JUNIPER WOODLAND, UPPER MONTANE CONIFEROUS FOREST.

**Micro:** FINE GRAVEL ON ROCK OUTCROPS, RIDGES, OR DOMES. GRANITIC SOILS. 1560-2610M.

<b>Occurrence No.:</b> 16	<b>Map Index:</b> 38759	<b>EO Index:</b> 33766	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1996-03-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1996-03-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-12
<b>Main Source:</b> CLINES, J. & D. YORK 1996 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03365° / -119.28216°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101040 E297017	<b>Range:</b> 25E
<b>Area:</b> 11.2 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** ALONG RUSH CREEK, SOUTH OF PETERSON ROAD ABOUT 0.5 MILE SOUTHEAST OF PETERSON MILL (SITE); SOUTH OF SHAVER LAKE.

**Location Detail:** TWO COLONIES ON GRANITE OUTCROP LOCATED AT END OF USFS ROAD 10S43D. MAPPED WITHIN THE S 1/2 NE 1/4 SECTION 30.

**Ecological:** GRANITE OUTCROP; SOME LEWISIA PLANTS GROWING WITH MOSS, OTHERS WITH NO ASSOCIATES. GRAVEL SOILS. THE RARE LUPINUS CITRINUS VAR. CITRINUS IS ALSO FOUND HERE.

**Threat:** EASTERN COLONY DAMAGED BY OHV USE.

**General:** 860 PLANTS OBSERVED IN 1996. FOREST IS PROPOSING ROUTE AS PART OF FOREST OHV PLAN. E-MOST SITE DEPLETED BY OHVS; W-MOST SITE IS LESS DAMAGED.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 15	<b>Map Index:</b> 15526	<b>EO Index:</b> 19217	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1978-06-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-06-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> BARTEL, J. 1978 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03460° / -119.32615°	<b>UTM:</b> Zone-11 N4101241 E293106	<b>Area:</b> 8.7 ac	<b>Elevation:</b> 3,900 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 26	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** PETERSEN RD, ABOUT 4 RD MI SE OF MOUNTAIN REST GUARD STATION, S OF PINE RIDGE.  
**Ecological:** ON OPEN GRANITE SHEET IN YELLOW PINE FOREST. IN SHALLOW GRAVELLY PANS AND CRACKS.  
**Threat:** NO IMMEDIATE THREATS IN 1978.  
**General:** APPROXIMATELY 1000 PLANTS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 16	<b>Map Index:</b> 15446	<b>EO Index:</b> 19215	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1978-05-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-05-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> BARTEL, J. 1978 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11025° / -119.37630°	<b>UTM:</b> Zone-11 N4109745 E288855	<b>Area:</b> 5.1 ac	<b>Elevation:</b> 3,200 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 32	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** SAN JOSE BASIN ONE MI DUE S OF MATHEWS MILL NEAR (E OF) CONCRETE BRIDGE OVER JOSE CREEK.  
**Location Detail:** IN NE 1/4 OF NW 1/4 OF SEC 32.  
**Ecological:** IN GRANITE SOIL POCKETS ON KNOLL WITH SCE POWER LINE TOWER.  
**Threat:** COLLECTING AND POWER COMPANY SPRAYING OF EQUIPMENT ARE THREATS.  
**General:** MORE THAN 1000 PLANTS IN 1978. 1959 COLLECTION BY BACIGALUPI ET AL IN JOSE BASIN ATTRIBUTED TO THIS SITE.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 17	<b>Map Index:</b> 15484	<b>EO Index:</b> 19213	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1978-05-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1978-05-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-28
<b>Main Source:</b> BARTEL, J. 1978 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04612° / -119.35206°	<b>UTM:</b> Zone-11 N4102576 E290833	<b>Area:</b> 98.7 ac	<b>Elevation:</b> 4,000 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 21	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** APPROXIMATELY 1.0 AIRMILE SE OF MOUNTAIN REST GUARD STATION, PRIMARILY W OF POWER LINES.  
**Location Detail:** ALL OVER SEC 21 AND INTO ADJACENT SEC 22 IN SW 1/4.  
**Ecological:** ON OPEN RIDGETOP IN YELLOW PINE FOREST, IN GRANITE SOIL POCKETS & LARGE GRANITIC OUTCROP.  
**General:** APPROXIMATELY 1000 PLANTS SEEN + MORE THAN 2000 PLANTS SEEN IN 1978 + MANY THOUSANDS OF PLANTS IN 1978. FORMER EO'S 18 & 19 LUMPED HERE PER DETAILED POPULATION MAP SOURCE. WHAT IS THE CONDITION OF THESE COLONIES?  
**Owner/Manager:** PVT IN USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 23	<b>Map Index:</b> 15469	<b>EO Index:</b> 19210	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1995-07-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-07-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-07
<b>Main Source:</b> GALLAGHER, K. & N. BROWN 1995 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11186° / -119.35807°	<b>UTM:</b> Zone-11 N4109883 E290479	<b>Area:</b> 8.8 ac	<b>Elevation:</b> 3,500 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 09S	<b>Range:</b> 24E	<b>Section:</b> 28	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** ABOUT 2 MI WNW OF SHAVER LAKE HEIGHTS, ON EAST SIDE OF FS RD 9S06.  
**Location Detail:** REPORTED IN 1979 FROM 1/4 MI S OF JCT OF ROADS 9S06 AND 9S57, IN 1995 REPORTED FROM 1/2 MI S OF THAT JCT. THOROUGH SURVEYS AND MAP DETAIL NEEDED.  
**Ecological:** IN OPEN SUNNY EXPOSURE ON DECOMPOSED GRANITE. ASSOCIATED WITH ARCTOSTAPHYLOS MARIPOSA, A. VISCIDA, P. SABINIANA, Q. WISLIZENII, TRIFOLIUM SP., VULPIA MYUROS, AND STREPTANTHUS TORTUOSUS.  
**Threat:** ROAD WIDENING, GRAZING, OHV'S, AND POWERLINE MAINTENANCE COULD THREATEN.  
**General:** ABOUT 100 PLANTS SEEN IN 1979, UNKNOWN HOW MANY PLANTS SEEN IN 1995.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 26	<b>Map Index:</b> 15458	<b>EO Index:</b> 19207	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-06-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-06-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-28
<b>Main Source:</b> BROWN, E. 1979 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08234° / -119.37045°	<b>UTM:</b> Zone-11 N4106635 E289297	<b>Area:</b> 50.2 ac	<b>Elevation:</b> 3,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 08	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** ABOUT 2 AIR MI DUE N OF MOUNTAIN REST GUARD STATION.  
**Ecological:** IN DECOMPOSED GRANITE AND IN CRACKS OF GRANITE CAPS. IN TRANSITION BETWEEN FOOTHILL WOODLAND AND YELLOW PINE.  
**General:** SCATTERED POPULATION OF 200-300 PLANTS, 1979.  
**Owner/Manager:** USFS-SIERRA NF, PVT

<b>Occurrence No.</b> 27	<b>Map Index:</b> 15563	<b>EO Index:</b> 19206	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1979-06-23
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-06-23
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-28
<b>Main Source:</b> LATIMER, H. 1979 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08313° / -119.29668°	<b>UTM:</b> Zone-11 N4106562 E295858	<b>Area:</b> 7.9 ac	<b>Elevation:</b> 5,373 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 01	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** 0.25 MI E OF OLD BRETZ MILL, PINE RIDGE.  
**Location Detail:** 2 COLONIES: ONE IN SE1/4 OF SEC 1 AND THE OTHER IN NE1/4 OF SEC 12.  
**Ecological:** IN VERY SANDY SOIL AT EDGE OF GRANITE OUTCROPS IN MIXED CONIFER FOREST. ASSOCIATED WITH LUPINUS STIVERSII, CALYPTRIDIVM UMBELLATUM, BRODIAEA.  
**General:** 2 POPULATIONS: POPULATION 1, 20 PLANTS IN 1979. POPULATION 2, 25 PLANTS IN 1979.  
**Owner/Manager:** PVT IN USFS-SIERRA NF



Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 28	<b>Map Index:</b> 15461	<b>EO Index:</b> 13878	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1995-07-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-07-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-07
<b>Main Source:</b> HAMON, D. 1980 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10181° / -119.36844°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4108791 E289530	<b>Range:</b> 24E
<b>Area:</b> 52.4 ac	<b>Section:</b> 32
<b>Elevation:</b> 3,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> E
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 3 AIRMI W OF SHAVER LAKE HEIGHTS. FROM 0.15-0.9 MI N OF MUSICK CREEK.

**Location Detail:** PLANTS LOCATED UNDER SCE POWERLINES.

**Ecological:** 3700-4000 FEET ELEVATION IN DECOMPOSED GRANITE OF ROCKY OUTCROP. IN FOOTHILL WOODLAND WITH QUERCUS, ARCTOSTAPHYLOS, MIMULUS VISCIDUS, STREPTANTHUS DIVERSIFOLIA, FESTUCA MYUROS, ALLIUM SP., AND PINUS SABINIANA.

**Threat:** POPULATION PARTLY UNDER POWERLINE, ROAD DISTURBS. BRUSH CONVERSION, SPRAYING, ROAD WIDENING THREATS. OHVS ALSO A THREAT.

**General:** 4 POPULATIONS IN 1980, WITH TOTAL OF SEVERAL HUNDRED PLANTS, AT LEAST 1000 PLANTS IN SOUTHERNMOST POPULATION IN 1995.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 29	<b>Map Index:</b> 15486	<b>EO Index:</b> 12644	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-06-01
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-06-01
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> HAMON, D. 1980 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10451° / -119.35318°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4109057 E290894	<b>Range:</b> 24E
<b>Area:</b> 2.4 ac	<b>Section:</b> 33
<b>Elevation:</b> 4,460 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 0.5 AIR MI N OF MUSICK CR, JUST LESS THAN 2 MI W OF SHAVER LAKE HEIGHTS.

**Location Detail:** IN SE1/4 OF NE1/4 SEC 33.

**Ecological:** ON DECOMPOSED GRANITE OUTCROP IN FOOTHILL WOODLAND/YELLOW PINE FOREST TRANSITION ZONE.

**Threat:** ROAD WIDENING, LOG SKIDDING THREATS.

**General:** ABOUT 60 PLANTS IN 10 SQUARE METERS, 1980.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 31	<b>Map Index:</b> 15422	<b>EO Index:</b> 19203	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1903-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1903-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-04-07
<b>Main Source:</b> CONGDON, J. SN UC #82057 (HERB)			

**Quad Summary:** SHAVER LAKE (3711913/397D), AUBERRY (3711914/397C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03332° / -119.38691°	<b>UTM:</b> Zone-11 N4101233 E287697	<b>Radius:</b> 3/5 mile	<b>Elevation:</b>	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 30	<b>Qtr:</b> XX	<b>Meridian:</b> M
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**Location:** NEAR TOP OF TOLLHOUSE HILL ABOVE GRAPEVINE SPRING.  
**Ecological:** SEEN ON ROCKS.  
**General:** THIS SPECIMEN WAS ERRONEOUSLY IDENTIFIED AS LUPINUS DEFLEXUS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 41	<b>Map Index:</b> 38698	<b>EO Index:</b> 33705	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1991-07-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-07-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WINTER, R. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.09526° / -119.34300°	<b>UTM:</b> Zone-11 N4108008 E291773	<b>Area:</b> 12.6 ac	<b>Elevation:</b> 4,500 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 03	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** ABOUT 1 MI WSW OF COMMUNITY OF SHAVER LAKE, 0.6 MI N OF SEWAGE DISPOSAL PONDS.  
**Location Detail:** NE1/4 OF NW1/4 OF SECTION 3.  
**Ecological:** LOWER YELLOW PINE FOREST BORDERING CHAPARRAL IN OPEN GRANITIC SOIL. MARGINS OF EXPOSED GRANITE ROCK OUTCROPS. WITH ARCTOSTAPHYLOS MARIPOSA, QUERCUS CHRYSOLEPIS, ALLIUM SP., AND MIMULUS SP.  
**Threat:** LOGGING, GRAZING, AND PROPOSED SUBDIVISION IN AREA.  
**General:** AT LEAST 1000 PLANTS IN 1991.  
**Owner/Manager:** PVT IN SIERRA NF

<b>Occurrence No.</b> 42	<b>Map Index:</b> 38689	<b>EO Index:</b> 33696	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1995-06-19
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-06-19
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> GALLAGHER, K. & S. SOTH 1995 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02467° / -119.34236°	<b>UTM:</b> Zone-11 N4100174 E291637	<b>Area:</b> 14.9 ac	<b>Elevation:</b> 3,400 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 24E	<b>Section:</b> 27	<b>Qtr:</b> SW	<b>Meridian:</b> M
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**Location:** ABOUT 1.3-1.5 MI SE OF JCT VINCENT ROAD AND PETERSON ROAD.  
**Location Detail:** PLANTS GROWING DIRECTLY UNDER POWERLINES. MOST FOUND JUST SOUTH OF VINCENT ROAD, WITH SOME FOUND IN THE ROAD. ALSO IN NE 1/4 OF NW 1/4 OF SECTION 34.  
**Ecological:** IN YELLOW PINE FOREST. PLANTS GROWING IN GRAVELLY DECOMPOSED GRANITE. ASSOCIATED WITH STREPTANTHUS SP., ARCTOSTAPHYLOS MARIPOSA, CLARKIA WILLIAMSONII, Q. WISLIZENII, ERIDICTYON CALIFORNICUM, PINUS SABINIANA, & P. PONDEROSA.  
**Threat:** PLANTS LOCATED UNDER SCE POWERLINES; MAINTENANCE OF THEM COULD IMPACT PLANTS.  
**General:** 750 PLANTS IN 1995.  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 43	<b>Map Index:</b> 38691	<b>EO Index:</b> 33698	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1990-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> STEBBINS, J. 1990 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.07493° / -119.30140°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4105662 E295416	<b>Range:</b> 24E
<b>Radius:</b> 80 meters	<b>Section:</b> 12
<b>Elevation:</b> 5,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** 0.25 MI EAST OF SIERRA CEDARS, 0.5 MI S OF BRETZ MILL ROAD.

**Location Detail:** SW1/4 OF NE1/4 OF SECTION 12.

**Ecological:** IN MIXED CONIFER FOREST ON GRANITIC BLUFF AND SHELF CLEARING.

**Threat:** SITE NEAR SUBDIVISION (SIERRA CEDARS). POSSIBLE EXPANSION AND RECREATIONAL USES COULD THREATEN.

**General:** 100 PLANTS IN 1990.

**Owner/Manager:** PVT IN SIERRA NF

<b>Occurrence No.</b> 44	<b>Map Index:</b> 38695	<b>EO Index:</b> 33702	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1991-05-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.05855° / -119.29948°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103841 E295543	<b>Range:</b> 24E
<b>Area:</b> 9.1 ac	<b>Section:</b> 13
<b>Elevation:</b> 4,800 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 1.3 MI S OF SIERRA CEDARS, WEST OF RUSH CREEK.

**Ecological:** IN GRAVELLY DECOMPOSED GRANITE AT TOP OF DOME. NEARBY PONDEROSA PINE FOREST. WITH ARCTOSTAPHYLOS MARIPOSA.

**Threat:** LAND USE IS TIMBER HARVEST AND OHV USE BUT CURRENT THREATS PROBABLY LOW.

**General:** 15,000 PLANTS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 45	<b>Map Index:</b> 38699	<b>EO Index:</b> 33706	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.05242° / -119.29518°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4103151 E295909	<b>Range:</b> 25E
<b>Area:</b> 4.0 ac	<b>Section:</b> 19
<b>Elevation:</b> 4,700 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 1 MI NNW OF SITE OF PETERSON MILL, EAST SIDE OF RUSH CREEK.

**Location Detail:** SOME PLANTS MAY ALSO BE FOUND ON PRIVATE LAND, AS THEY WERE FOUND IMMEDIATELY ADJACENT TO PRIVATE PROPERTY BOUNDARY. MAPPED IN FAR NW CORNER OF SECTION 19.

**Ecological:** IN GRAVELLY DECOMPOSED GRANITE NEAR TOP OF GRANITE OUTCROP. WITH PONDEROSA PINE AND ARCTOSTAPHYLOS MARIPOSA.

**Threat:** TIMBER HARVESTING IS A POTENTIAL THREAT.

**General:** 2500 PLANTS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 46	<b>Map Index:</b> 38700	<b>EO Index:</b> 33707	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1991-05-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.05602° / -119.28424°	<b>UTM:</b> Zone-11 N4103527 E296891	<b>Area:</b> 13.4 ac	<b>Elevation:</b> 5,100 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 18	<b>Qtr:</b> SE	<b>Meridian:</b> M
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**Location:** ABOUT 5 MI S OF SHAVER LAKE, 1.2 MI NNW OF SITE OF PETERSON MILL.

**Location Detail:** MAPPED AS THREE SUBPOPS. AT CNDDB.

**Ecological:** IN GRAVELLY SOIL BETWEEN ARCTOSTAPHYLOS MARIPOSA. WITH ALLIUM FIMBRIATUM AND SURROUNDED BY PINUS PONDEROSA.

**Threat:** TIMBER HARVEST ACTIVITIES COULD THREATEN.

**General:** 1000 PLANTS IN 3 SUBPOPULATIONS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 47	<b>Map Index:</b> 38702	<b>EO Index:</b> 33709	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-21
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-21
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04870° / -119.27558°	<b>UTM:</b> Zone-11 N4102696 E297642	<b>Area:</b> 15.6 ac	<b>Elevation:</b> 4,900 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 20	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** BLUE CANYON-BIG CREEK DRAINAGE, NORTH OF FS RD 10S02, S OF FS RD 10S18. 1.8 MI NW OF SOAPROOT SADDLE.

**Location Detail:** DOME WITH 4WD ROAD RUNNING ACROSS PART OF IT.

**Ecological:** IN PONDEROSA PINE FOREST IN GRAVELLY, DECOMPOSED GRANITE. WITH ARCTOSTAPHYLOS MARIPOSA AND ALLIUM FIMBRIATUM.

**Threat:** TIMBER HARVEST, ROAD IMPROVEMENT, AND 4WD VEHICLES COULD THREATEN.

**General:** 3000 PLANTS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 48	<b>Map Index:</b> 38703	<b>EO Index:</b> 33710	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1991-05-21
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-21
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-05
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.04490° / -119.28290°	<b>UTM:</b> Zone-11 N4102290 E296981	<b>Area:</b> 23.7 ac	<b>Elevation:</b> 4,850 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 19	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** 1.7-2.1 MI NW OF SOAPROOT SADDLE, ON BOTH SIDES OF FS RD 10S50.

**Ecological:** IN ROCKY, GRAVELLY DECOMPOSED GRANITE POCKET SURROUNDED BY ARCTOSTAPHYLOS MARIPOSA. WITH ALLIUM FIMBRIATUM, MADIA MINIMA, LUPINUS STIVERSII, MIMULUS LACINIATUS, AND PELLAEA MUCRONATA.

**Threat:** TIMBER HARVEST ACTIVITIES AND ROAD MAINTENANCE COULD THREATEN.

**General:** 3050 PLANTS IN 1991 IN 3 SUBPOPULATIONS.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 49	<b>Map Index:</b> 38708	<b>EO Index:</b> 33715	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1995-06-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-06-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> BROWN, N. & K. GALLAGER 1995 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03877° / -119.28039°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101605 E297188	<b>Range:</b> 25E
<b>Area:</b> 38.6 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,450 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** FROM 0.5 MI E TO 1.0 MI SE OF SITE OF PETERSON MILL. NORTH SIDE OF LIGHT-DUTY ROAD (PETERSON ROAD?)  
**Location Detail:** ALSO IN THE SE 1/4 OF SECTION 19 AND THE NW 1/4 OF SECTION 29.  
**Ecological:** ON GRANITIC OUTCROP WITH SMALL BASINS OF SANDY, GRAVELLY SOIL. ASSOCIATED WITH PINUS PONDEROSA AND ARCTOSTAPHYLOS MARIPOSA.  
**Threat:** OHV'S, ROAD MAINTENANCE AND LOGGING COULD THREATEN.  
**General:** UNKNOWN HOW MANY PLANTS SEEN IN 1995. 75 PLANTS SEEN IN EXTREME N PART OF OCCURRENCE IN 1991.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 50	<b>Map Index:</b> 38709	<b>EO Index:</b> 33716	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> WILSON, S. & J. CLINES 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02956° / -119.27820°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4100578 E297358	<b>Range:</b> 25E
<b>Area:</b> 46.8 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,275 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> E
<b>Symbol Type:</b> POLYGON	

**Location:** 0.8-1.4 MI NW OF SOAPROOT FLAT. ON SOUTH SIDE OF LIGHT-DUTY ROAD (PETERSON ROAD?).  
**Location Detail:** MAPPED AS TWO SUBPOPULATIONS AT CNDD, IN NE1/4 OF SECTION 30 AND SE1/4 OF SECTION 30.MAPP3E  
**Ecological:** GRAVELLY, DECOMPOSED GRANITE FLATS AND CREVICES ON HUGE GRANITE DOME. SURROUNDED BY P. PONDEROSA, ARCTOSTAPHYLOS MARIPOSA, A. PATULA, LEWISIA TRIPHYLLA, LUPINUS STIVERSII, ARENARIA CALIFORNICA, MIMULUS LACINIATUS, AND PARVISEDUM CONGDONII.  
**Threat:** ORV USE AND TIMBER HARVESTING COULD THREATEN.  
**General:** AT LEAST 3000 PLANTS IN 2 SUBPOPULATIONS IN 1991.  
**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 51	<b>Map Index:</b> 38711	<b>EO Index:</b> 33718	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> WILSON, S. & J. CLINES 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03022° / -119.29293°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4100683 E296049	<b>Range:</b> 25E
<b>Area:</b> 3.7 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** 0.6 MI SOUTH OF SITE OF PETERSON MILL ON N SIDE OF ROAD (FS RD 10S43?).

**Ecological:** GRAVELLY FLATS AND CREVICES OF ROCK OUTCROP. ALSO IN GRAVELLY SOIL ADJACENT TO OUTCROP WHERE IT IS MORE FORESTED. ASSOCIATED WITH ARCTOSTAPHYLOS MARIPOSA, QUERCUS WISLIZENII, AND CHAMAEBATIA FOLIOLOSA.

**General:** 100'S OF PLANTS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 52	<b>Map Index:</b> 22758	<b>EO Index:</b> 33719	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-07
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-07
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> WILSON, S. 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02452° / -119.28839°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4100041 E296438	<b>Range:</b> 25E
<b>Area:</b> 9.6 ac	<b>Section:</b> 30
<b>Elevation:</b> 4,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 10 KM (6 MI) SOUTH OF SHAVER LAKE, 1.7 KM (1.1 MI) SOUTH OF PETERSON MILL (SITE).

**Location Detail:** EAST OF MOUNTAIN REST ON FOREST ROAD 10S02, SOUTH ON 10S43 TO 10S43E. NORTHWEST 1.8 MI UP GRANITE OUTCROP. SE1/4 OF SW1/4 OF SECTION 30.

**Ecological:** GRAVELLY, DECOMPOSED GRANITE BENCHES ON GRANITE OUTCROP. WITHIN PONDEROSA PINE FOREST. ASSOCIATED WITH P. PONDEROSA, ARCTOSTAPHYLOS MARIPOSA, CARPENTERIA CALIFORNICA, AND LUPINUS STIVERSII.

**Threat:** LOGGING COULD THREATEN.

**General:** 1000 PLANTS IN 1991.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 53	<b>Map Index:</b> 38714	<b>EO Index:</b> 33721	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1997-05-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-05-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> CLINES, J. 1997 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.02352° / -119.27853°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4099909 E297313	<b>Range:</b> 25E
<b>Area:</b> 4.7 ac	<b>Section:</b> 31
<b>Elevation:</b> 4,100 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 1 MI DUE W OF SOAPROOT FLAT, E OF RUSH CREEK, JUST S OF FS RD 10S43 CROSSING.

**Ecological:** GRAVEL SOIL OF GRANITIC OUTCROP SURROUNDED BY PONDEROSA PINE FOREST. W/ARCTOSTAPHYLOS MARIPOSA, AMELANCHIER SP., QUERCUS CHRYSOLEPIS, Q. KELLOGII, CHLOROGALUM POMERIDIANUM, ALLIUM FIMBRIATUM, VULPIA MICROSTACHYS, & PELLAEA MUCRONATA.

**Threat:** TIMBER HARVEST, OHV'S, EXOTIC GRASSES, AND RECREATIONAL USES (FISHING, CAMPING) COULD THREATEN.

**General:** 300 PLANTS IN 1997.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 54	<b>Map Index:</b> 38715	<b>EO Index:</b> 33722	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1997-05-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-05-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> CLINES, J. 1997 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.01340° / -119.25941°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4098745 E298987	<b>Range:</b> 25E
<b>Area:</b> 12.4 ac	<b>Section:</b> 33
<b>Elevation:</b> 3,600 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POLYGON	

**Location:** ABOUT 0.6-0.8 MI SOUTH OF SOAPROOT FLAT, W SLOPES OF BARNES MOUNTAIN.

**Ecological:** GRAVEL SOIL OF GRANITIC OUTCROP SURROUNDED BY PONDEROSA PINE FOREST. W/ARCTOSTAPHYLOS MARIPOSA, AMELANCHIER SP., QUERCUS CHRYSOLEPIS, Q. KELLOGII, CHLOROGALUM POMERIDIANUM, ALLIUM FIMBRIATUM, VULPIA MICROSTACHYS, & PELLAEA MUCRONATA.

**General:** UNKNOWN HOW MANY PLANTS SEEN IN 1997. 1 FIELD SURVEY RECEIVED WITH 2 MAPPED LOCATIONS FOR LUCIC (EO'S 53 AND 54). TEXT SEEMED TO PERTAIN TO EO 53 ONLY. MORE SPECIFIC POPULATION INFO NEEDED FOR THIS OCCURRENCE.

**Owner/Manager:** USFS-SIERRA NF

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

<b>Occurrence No.</b> 55	<b>Map Index:</b> 38716	<b>EO Index:</b> 33723	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-06
<b>Main Source:</b> WILSON, S. & E. LISKEY 1991 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03840° / -119.25770°	<b>UTM:</b> Zone-11 N4101515 E299205	<b>Area:</b> 10.1 ac	<b>Elevation:</b> 3,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 28	<b>Qtr:</b> NW	<b>Meridian:</b> M
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**Location:** 0.7 MI DUE N OF SOAPROOT SADDLE, 1.75-1.95 MI DUE E OF PETERSON MILL (SITE).  
**Location Detail:** MAPPED IN FAR NW1/4 OF SECTION 28.  
**Ecological:** GRAVELLY BENCHES ON GRANITE OUTCROP SURROUNDED BY PONDEROSA PINE FOREST. ASSOCIATED WITH ALLIUM FIMBRIATUM, PARVISEDUM CONGDONII, CAMISSONIA SIERRAE SIERRAE, MADIA MINIMA, & M. EXIGUA.  
**General:** 400 PLANTS IN 1991.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 56	<b>Map Index:</b> 38722	<b>EO Index:</b> 33729	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1995-07-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-07-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-24
<b>Main Source:</b> WILSON, S. & E. LISKEY			

**Quad Summary:** DINKEY CREEK (3711912/396C), SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03815° / -119.24886°	<b>UTM:</b> Zone-11 N4101469 E299990	<b>Area:</b> 16.0 ac	<b>Elevation:</b> 3,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 28	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** 0.6-0.75 MI NE OF SOAPROOT SADDLE, UNDER POWERLINES.  
**Ecological:** IN SANDY, GRAVELLY SOIL UNDER POWERLINES. GRANITE OUTCROP. PONDEROSA PINE FOREST WITH ARCTOSTAPHYLOS MARIPOSA, ALLIUM FIMBRIATUM, LUPINUS STIVERSII, GITHOPSIS SPECULARIODES, STREPTANTHUS SP., BRODIEA SP., CENTARIUM SP., & MIMULUS SP..  
**Threat:** TIMBER HARVESTING ACTIVITIES COULD THREATEN. OHV & RECREATION.  
**General:** 240 PLANTS IN 1991 IN 2 SUBPOPULATIONS. THIRD SUBPOPULATION IN 1995 WITH APPROXIMATELY 225 INDIVIDUALS.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 57	<b>Map Index:</b> 38730	<b>EO Index:</b> 33737	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1991-05-22
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-05-22
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-07
<b>Main Source:</b> CLINES, J. 1990 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.08161° / -119.26140°	<b>UTM:</b> Zone-11 N4106318 E298990	<b>Area:</b> 23.4 ac	<b>Elevation:</b> 4,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 10S	<b>Range:</b> 25E	<b>Section:</b> 08	<b>Qtr:</b> NE	<b>Meridian:</b> M
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**Location:** EXTREME NORTH END OF BLUE CANYON, 1.1 MI SSE OF POISON MEADOW.  
**Location Detail:** ACCESSED BY A LOGGING ROAD BRANCHING OFF FROM THE NW FROM FS RD 10S39. ALSO FOUND IN THE SE 1/4 OF THE SE 1/4 OF SECTION 5 IN 1991.  
**Ecological:** GRANITE OUTCROP IN YELLOW PINE FOREST. WITH ALLIUM FIMBRIATUM, ARENARIA SP., CLARKIA WILLIAMSONII, MADIA MINIMA, LUPINUS STIVERSII, PELLAEA MUCRONATA, & LOTUS ARGOPHYLLUS.  
**Threat:** OUTCROP QUITE INACCESSIBLE, SO PLANTS NOT IN DANGER.  
**General:** 100'S OF PLANTS (IN FRUIT) SEEN IN 1990, 1000 IN 1991.



Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST. KNOWN ONLY FROM FRESNO AND MADERA COUNTIES.  
**Micro:** ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 600-1350M.

**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 64	<b>Map Index:</b> 49170	<b>EO Index:</b> 49170	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1980-09-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1980-09-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-29
<b>Main Source:</b> HAMON, D. 1980 (MAP)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.11603° / -119.36621°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4110364 E289767	<b>Range:</b> 24E
<b>Area:</b> 10.7 ac	<b>Section:</b> 28
<b>Elevation:</b> 3,250 ft	<b>Meridian:</b> M
	<b>Qtr:</b> SW
<b>Mapping Precision:</b> SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** WEST OF SHAVER LAKE, APPROXIMATELY 0.6 AIRMILE SSE OF MATHEWS MILL SITE.

**Location Detail:** MAPPED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 28.

**General:** ONLY SOURCE OF INFORMATION IS 15 MINUTE QUADRANGLE MAP. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

Rana boylei

foothill yellow-legged frog

Element Code: AAABH01050

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.  
**Micro:** NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

<b>Occurrence No.:</b> 19	<b>Map Index:</b> 15568	<b>EO Index:</b> 28461	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1970-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1970-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> MOYLE, P. 1972 (PERS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.03382° / -119.28984°	<b>Township:</b> 10S
<b>UTM:</b> Zone-11 N4101076 E296334	<b>Range:</b> 25E
<b>Radius:</b> 1 mile	<b>Section:</b> 30
<b>Elevation:</b> 4,320 ft	<b>Meridian:</b> M
	<b>Qtr:</b> NW
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** RUSH CR.  
**Location Detail:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.  
**General:** COLL BTWN JULY & SEPT.  
**Owner/Manager:** USFS-SIERRA NF, PVT

Strix nebulosa

great gray owl

Element Code: ABNSB12040

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status:
State: Endangered	State: S1	

**Habitat Associations**

**General:** (NESTING) RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.  
**Micro:** REQUIRE LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

<b>Occurrence No.</b> 45	<b>Map Index:</b> 43000	<b>EO Index:</b> 43000	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1999-08-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1999-08-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-05-23
<b>Main Source:</b> BYRD, S. 1999 (OBS)			

**Quad Summary:** SHAVER LAKE (3711913/397D)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.10030° / -119.29232°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4108458 E296291	<b>Range:</b> 25E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 31 <b>Qtr:</b> SW
<b>Elevation:</b> 5,500 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** SWANSON MEADOWS, SOUTH OF SHAVER LAKE.

**Ecological:** HABITAT CONSISTS OF BROKEN MONTANE MEADOW, WITH SCATTERED POCKETS OF 30-YEAR-OLD PINE PLANTATION. THE AREA HAS A HIGH AMOUNT OF MEADOW/PLANTATION EDGE.

**General:** 3 JUVENILES OBSERVED, 29 AUG 1999.

**Owner/Manager:** PVT-SOUTHERN CAL EDISON

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: Threatened	Global: G5T3 State: S1	CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 3	<b>Map Index:</b> 15539	<b>EO Index:</b> 23755	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1965-04-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1965-04-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** SHAVER LAKE (3711913/397D), MUSICK MTN. (3711923/397A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.13355° / -119.31707°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4112200 E294182	<b>Range:</b> 24E
<b>Radius:</b> 1 mile	<b>Section:</b> 23 <b>Qtr:</b> E
<b>Elevation:</b> 5,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POINT	

**Location:** SHAVER LAKE HEAR ROCK HAVEN (N OF SHAVER LAKE HEIGHTS ON RT 168)

**Ecological:** PINE-DOUGLAS FIR-ABIES FOREST.

**Owner/manager:** UNKNOWN

**Bufo canorus**

Yosemite toad

Element Code: AAABB01040

<b>Status</b> _____	<b>NDDDB Element Ranks</b> _____	<b>Other Lists</b> _____
<b>Federal:</b> Species of Concern	<b>Global:</b> G2	<b>CDFG Status:</b> SC
<b>State:</b> None	<b>State:</b> S2	

**Habitat Associations** \_\_\_\_\_

**General:** VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6400 TO 11,300 FEET IN ELEVATION.  
**Micro:** PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 42806	<b>EO Index:</b> 42806	<b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1999-07-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1999-07-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-04-20
<b>Main Source:</b> CAS HERPETOLOGICAL HOLDINGS 2000 (MUS)			

**Quad Summary:** SQUAW DOME (3711943/417A)

**County Summary:** MADERA

<b>Lat/Long:</b> 37.49766° / -119.33084°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N4152634 E293955	<b>Range:</b> 24E
<b>Radius:</b> 1/10 mile	<b>Section:</b> 15
<b>Elevation:</b> 6,960 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** JACKASS MEADOW, NEAR FOREST ROAD 5S88, SIERRA NATIONAL FOREST.  
**Location Detail:** TOAD FOUND 300 FT NORTH OF CREEK IN MOIST GRASS NEAR FOREST EDGE AT 1344 HRS.  
**Ecological:** HABITAT CONSISTS OF A CREEK IN MOIST GRASS NEAR A FOREST EDGE.  
**General:** ONE SUB-ADULT COLLECTED (CAS #209209), 10 JUL 1999.  
**Owner/Manager:** USFS-SIERRA NF

Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** LOWER MONTANE CONIFEROUS FOREST, PINYON JUNIPER WOODLAND, UPPER MONTANE CONIFEROUS FOREST.  
**Micro:** FINE GRAVEL ON ROCK OUTCROPS, RIDGES, OR DOMES. GRANITIC SOILS. 1560-2610M.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 28260	<b>EO Index:</b> 985	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1986-03-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1986-03-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-08-22
<b>Main Source:</b> TAYLOR, D. 1986 (OBS)			

**Quad Summary:** BALLOON DOME (3711942/416B), SQUAW DOME (3711943/417A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.42881° / -119.25041°	<b>Township:</b> 06S
<b>UTM:</b> Zone-11 N4144820 E300883	<b>Range:</b> 25E
<b>Area:</b> 9.5 ac	<b>Section:</b> 04
<b>Elevation:</b> 5,150 ft	<b>Qtr:</b> SW
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POLYGON	

**Location:** DOME ABOUT 0.75 MILE SOUTHWEST OF CONFLUENCE OF S FORK SAN JOAQUIN RIVER AND SAN JOAQUIN RIVER, SIERRA NATIONAL FOREST.  
**Location Detail:** MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 04.  
**Ecological:** SHALLOW DECOMPOSED GRANITE DEPOSITS ON OPEN DOME IN JEFFREY PINE FOREST. 30% COVER OF SELAGINELLA WATSONII.  
**General:** 500 PLANTS OBSERVED IN 1986. INCLUDES 1986 COLLECTION BY TAYLOR #8727 UC.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 18	<b>Map Index:</b> 38762	<b>EO Index:</b> 33769	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1993-05-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-05-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-05-12
<b>Main Source:</b> YORK, D. 1993 (OBS)			

**Quad Summary:** SQUAW DOME (3711943/417A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.48224° / -119.26372°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N4150777 E299848	<b>Range:</b> 25E
<b>Radius:</b> 80 meters	<b>Section:</b> 20
<b>Elevation:</b> 7,600 ft	<b>Qtr:</b> NW
<b>Mapping Precision:</b> SPECIFIC	<b>Meridian:</b> M
<b>Symbol Type:</b> POINT	

**Location:** SQUAW DOME, ALONG BOUNDARY OF ANSEL ADAMS WILDERNESS, NORTH OF MAMMOTH POOL RESERVOIR.  
**Location Detail:** NORTH SIDE OF SQUAW DOME SUMMIT WITHIN THE SE 1/4 NW 1/4 SECTION 20.  
**Ecological:** GROWING IN DECOMPOSED GRANITE ON THE EXPOSED SUMMIT OF DOME. WOODS SURROUNDING SUMMIT STILL COVERED WITH PATCHES OF SNOW IN MAY, 1993.  
**General:** ABOUT 15 PLANTS OBSERVED IN 1993.  
**Owner/Manager:** USFS-SIERRA NF

**Oncorhynchus clarki henshawi**

Lahontan cutthroat trout

Element Code: AFCHA02081

**Status**  
 Federal: Threatened  
 State: None

**NDDB Element Ranks**  
 Global: G4T3  
 State: S2

**Other Lists**  
 CDFG Status:

**Habitat Associations**

**General:** HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTON BASIN IN A WIDE VARIETY OF WATER TEMPS & CONDITIONS.  
**Micro:** CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.

**Occurrence No.** 21      **Map Index:** 15443      **EO Index:** 13622      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1990-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1990-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1995-12-01  
**Main Source:** KISANUKI, T. 1981 (PERS)

**Quad Summary:** SQUAW DOME (3711943/417A), LITTLE SHUTEYE PEAK (3711944/417B), TIMBER KNOB (3711953/436D)  
**County Summary:** MADERA

**Lat/Long:** 37.48375° / -119.37969°      **Township:** 05S  
**UTM:** Zone-11 N4151198 E289597      **Range:** 24E  
**Area:** 153.4 ac      **Mapping Precision:** SPECIFIC      **Section:** 19      **Qtr:** NE  
**Elevation:** 6,550 ft      **Symbol Type:** POLYGON      **Meridian:** M

**Location:** WEST FORK PORTUGUESE CREEK, A TRIBUTARY TO CHIQUITO CREEK.  
**Ecological:** POPULATION IS IN EXCELLENT CONDITION. HABITAT QUALITY FAIR (1982)  
**Threat:** VERY LOW WATER IN 1987. GRAZING, TIMBER PRODUCTION.  
**General:** 1982 POP EST 1000 TROUT. 1989 SURVEY FOUND 3.5 TROUT/100FT OF STREAM, 10/100FT IN DOWNSTREAM SECTION. IN 1990 FISH STILL PRESENT BUT NO POPULATION ESTIMATE. THIS POPULATION DESIGNATED "EXPERIMENTAL" BY USFWS.

**Owner/Manager:** USFS-SIERRA NF

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: Threatened	Global: G5T3 State: S1	CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No.</b> 10	<b>Map Index:</b> 15605	<b>EO Index:</b> 23757	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1964-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1964-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** BALLOON DOME (3711942/416B), SQUAW DOME (3711943/417A)  
**County Summary:** FRESNO, MADERA

<b>Lat/Long:</b> 37.40021° / -119.26263°	<b>UTM:</b> Zone-11 N4141673 E299726	<b>Radius:</b> 1 mile	<b>Elevation:</b> 4,700 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 06S	<b>Range:</b> 25E	<b>Section:</b> 17	<b>Qtr:</b> S	<b>Meridian:</b> M
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**Location:** BROWN CONE AREA.  
**Ecological:** HARDWOOD WOODLAND.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 11	<b>Map Index:</b> 15426	<b>EO Index:</b> 23758	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1973-06-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1973-06-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SHUTEYE PEAK (3711934/417C), SQUAW DOME (3711943/417A), LITTLE SHUTEYE PEAK (3711944/417B)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.38021° / -119.38929°	<b>UTM:</b> Zone-11 N4139730 E288457	<b>Radius:</b> 1 mile	<b>Elevation:</b> 4,500 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 06S	<b>Range:</b> 24E	<b>Section:</b> 30	<b>Qtr:</b> N	<b>Meridian:</b> M
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**Location:** NEAR SODA SPRINGS CAMPGROUND.  
**Location Detail:** 1950 SITING AT 6000 FT ELEV.  
**Ecological:** DOUGLAS FIR-ABIES FIR FOREST.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 43	<b>Map Index:</b> 15541	<b>EO Index:</b> 23732	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1920-01-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1920-01-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** MAMMOTH POOL DAM (3711933/417D), SQUAW DOME (3711943/417A)  
**County Summary:** MADERA

<b>Lat/Long:</b> 37.37160° / -119.31707°	<b>UTM:</b> Zone-11 N4138615 E294828	<b>Radius:</b> 1 mile	<b>Elevation:</b> 4,400 ft	<b>Mapping Precision:</b> NON-SPECIFIC	<b>Symbol Type:</b> POINT	<b>Township:</b> 06S	<b>Range:</b> 24E	<b>Section:</b> 26	<b>Qtr:</b> S	<b>Meridian:</b> M
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**Location:** CHIQUITO BASIN, 1 MI N OF FULLERS MEADOWS, MADERA CO.  
**Location Detail:** IN THE EARLY PART OF JAN 1920, JOSEPH KINSMAN CAUGHT A RED FOX AT AN ALTITUDE OF LESS THAN 5000 FT, NEAR CHIQUITO BASIN PINE FOREST.

**General:** SOURCE: J. GRINNELL, J. DIXON, & J. LINSDALE. 1937. FUR-BEARING MAMMALS OF CALIF. P. 388.

**Owner/Manager:** UNKNOWN



Camissonia sierrae ssp. alticola

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G3T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

**Habitat Associations**

**General:** UPPER MONTANE CONIFEROUS FOREST. KNOWN FROM FEW OCCURRENCES IN FRESNO AND MARIPOSA COUNTIES.  
**Micro:** IN SAND OR GRAVEL OVER GRANITE IN MIXED CONIFER FOREST; WITH GAYOPHYTUM, COLLINSIA, ETC. 2120-2335M.

<b>Occurrence No.</b> 4	<b>Map Index:</b> 00098	<b>EO Index:</b> 3392	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1990-06-08
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-08
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> CLINES, J. & S. WILSON 1990 (OBS)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), FLORENCE LAKE (3711838/415C)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24980° / -118.96125°	<b>UTM:</b> Zone-11 N4124386 E326059	<b>Area:</b> 13.9 ac	<b>Elevation:</b> 7,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 28E	<b>Section:</b> XX	<b>Qtr:</b> XX
						<b>Meridian:</b> M			

**Location:** WEST SIDE OF FLORENCE LAKE.  
**Location Detail:** SEVERAL COLONIES MAPPED ALONG USFS TRAIL 30E01 (PIUTE TRAIL).  
**Ecological:** SHELVES AND PANS OF DECOMPOSED GRANITE GRAVEL IN MIXED CONIFER AND LODGEPOLE PINE FOREST. ASSOCIATED WITH MADIA MINIMA, MIMULUS, AND LINANTHUS. GENERALLY NOT FOUND WHERE THE LEAF LITTER IS HEAVY.  
**Threat:** HEAVY FOOT TRAFFIC, TRAIL CONSTRUCTION, AND MAINTENANCE.  
**General:** 26,000 PLANTS OBSERVED IN 1990. COLLECTION BY RUSSEL IN 1928 (#75, DS) ATTRIBUTED TO THIS SITE.  
**Owner/Manager:** USFS-SIERRA NF

<b>Occurrence No.</b> 5	<b>Map Index:</b> 00144	<b>EO Index:</b> 3391	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1990-06-08
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-06-08
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-04-28
<b>Main Source:</b> CLINES, J. & S. WILSON 1990 (OBS)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B)  
**County Summary:** FRESNO

<b>Lat/Long:</b> 37.24692° / -118.93159°	<b>UTM:</b> Zone-11 N4124013 E328683	<b>Area:</b> 56.7 ac	<b>Elevation:</b> 7,600 ft	<b>Mapping Precision:</b> SPECIFIC	<b>Symbol Type:</b> POLYGON	<b>Township:</b> 08S	<b>Range:</b> 28E	<b>Section:</b> 17	<b>Qtr:</b> N
						<b>Meridian:</b> M			

**Location:** SOUTH END OF FLORENCE LAKE, ALONG TRAIL TO DOUBLE MEADOW.  
**Location Detail:** SCATTERED COLONIES ALONG USFS TRAIL 30E01 (PIUTE TRAIL). OCCURRENCE BEGINS ALONG THE SOUTHWEST ARM OF THE LAKE AND CONTINUES ALONG THE TRAIL TO THE WEST END OF DOUBLE MEADOW.  
**Ecological:** SHELVES AND PANS OF DECOMPOSED GRANITE GRAVEL IN MIXED CONIFER AND LODGEPOLE PINE FOREST. ASSOCIATED WITH MADIA MINIMA, MIMULUS, AND LINANTHUS. GENERALLY NOT FOUND WHERE THE LITTER IS HEAVY.  
**Threat:** HEAVY FOOT TRAFFIC, TRAIL MAINTENANCE, AND CONSTRUCTION.  
**General:** 150,000 PLANTS OBSERVED IN MANY COLONIES IN 1990. COLLECTION MADE BETWEEN LAKE AND BLAYNEY MEADOWS IN 1952 BY P. RAVEN (#4284, CAS) WAS PROBABLY MADE IN THIS VICINITY.  
**Owner/Manager:** USFS-SIERRA NF

**Martes pennanti pacifica**

Pacific fisher

Element Code: AMAJF01021

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern	Global: G5T3T4Q	CDFG Status: SC
State: None	State: S2S3	

**Habitat Associations**

**General:** INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.  
**Micro:** USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

<b>Occurrence No.</b> 39	<b>Map Index:</b> 00006	<b>EO Index:</b> 23685	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1974-08-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1974-08-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10
<b>Main Source:</b> DEPT. OF FISH & GAME 1987 (OBS)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), DOGTOOTH PEAK (3711921/396A)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.14771° / -118.99761°	<b>Township:</b> 09S
<b>UTM:</b> Zone-11 N4113126 E322594	<b>Range:</b> 27E
<b>Radius:</b> 1 mile	<b>Section:</b> 14
<b>Elevation:</b> 8,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** 10 MI NE OF DINKEY CREEK, SIERRA NATIONAL FOREST.

**Ecological:** LODGEPOLE PINE FOREST.

**General:** OBS BY VAN BOSSUYT.

**Owner/Manager:** USFS-SIERRA NF

Sphenopholis obtusata

prairie wedge grass

Element Code: PMPOA5T030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CNPS List: 2
State: None	State: S2.2	R-E-D Code: 2-2-1

**Habitat Associations**

**General:** CISMONTANE WOODLAND, MEADOWS AND SEEPS.

**Micro:** OPEN MOIST SITES, ALONG RIVERS AND SPRINGS, ALKALINE DESERT SEEPS. 360-2325M.

<b>Occurrence No.</b> 7	<b>Map Index:</b> 21486	<b>EO Index:</b> 20446	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1952-07-19
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1952-07-19
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1992-10-27
<b>Main Source:</b> RAVEN, P. #4552 CAS (HERB)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.23695° / -118.88191°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4122817 E333067	<b>Range:</b> 28E
<b>Area:</b> 117.9 ac	<b>Section:</b> 14 <b>Qtr:</b> SW
<b>Elevation:</b> 7,680 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	
<b>Symbol Type:</b> POLYGON	

**Location:** HOT SPRINGS AT BLAYNEY MEADOWS.

**General:** HERBARIUM LABEL IS ONLY SOURCE ON INFORMATION FOR THIS SITE; NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

**Vulpes vulpes necator**

Sierra Nevada red fox

Element Code: AMAJA03012

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Species of Concern State: Threatened	Global: G5T3 State: S1	CDFG Status:

**Habitat Associations**

**General:** FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.  
**Micro:** USE DENSE VEGETATION & ROCKY AREAS FOR COVER & DEN SITES. PREFER FORESTS INTERSPERSED W/ MEADOWS OR ALPINE FELL-FIELDS.

<b>Occurrence No. 2</b>	<b>Map Index:</b> 00104	<b>EO Index:</b> 23760	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1971-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1971-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-01-14
<b>Main Source:</b> SCHEMPF, P. & M. WHITE 1977 (LIT)			

**Quad Summary:** WARD MOUNTAIN (3711828/395B), FLORENCE LAKE (3711838/415C)

**County Summary:** FRESNO

<b>Lat/Long:</b> 37.25882° / -118.94512°	<b>Township:</b> 08S
<b>UTM:</b> Zone-11 N4125357 E327510	<b>Range:</b> 28E
<b>Radius:</b> 1 mile	<b>Section:</b> 07
<b>Elevation:</b> 7,400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** FLORENCE LAKE, SEQUOIA NATIONAL PARK.

**Location Detail:** ORLAND BARTHOLOMEW OF USFS TRAPPED A PALE CROSS PHASE FOX DURING WINTER OF 1971.

**Ecological:** PINE-DOUGLAS FIR-ABIES FOREST.

**Owner/Manager:** NPS-SEQUOIA NP

## **APPENDIX B**

### **United States Fish and Wildlife Service List of Endangered and Threatened Species**

# Federal Endangered and Threatened Species that may be Affected by Projects in the AUBERRY 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Invertebrates

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

### Fish

*Hypomesus transpacificus* - delta smelt (T)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Mammals

*Dipodomys nitratooides exilis* - Fresno kangaroo rat (E)

### Plants

*Calyptridium pulchellum* - Mariposa pussy-paws (T)

## Species of Concern

### Invertebrates

*Oravelia pege* - Dry Creek cliff strider bug (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

## Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

## Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

## Quad Species Lists

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Carpenteria californica* - carpenteria (CA)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

*Mimulus gracilipes* - slender-stalked monkeyflower (SLC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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## Key:

(E) Endangered - Listed (in the Federal Register) as being in danger of extinction.

(T) Threatened - Listed as likely to become endangered within the foreseeable future.

(P) Proposed - Officially proposed (in the Federal Register) for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the [National Marine Fisheries Service](#). Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it.

(C) Candidate - Candidate to become a proposed species.

(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(D) Delisted - Species will be monitored for 5 years.

(SC) Species of Concern/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish & Wildlife Office.



Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

This is *not* an official list for formal consultation under the Endangered Species Act. *However, it may be used to update official lists.*

If you have a project that may affect endangered species, please contact the [Endangered Species Division](#), [Sacramento Fish and Wildlife Office](#), [U.S. Fish and Wildlife Service](#).

# Federal Endangered and Threatened Species that may be Affected by Projects in the BALLOON DOME 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

## Quad Species Lists

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

### Mammals

*Euderma maculatum* - spotted bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Sorex lyelli* - Mt. Lyell shrew (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Lewisia disepala* - Yosemite lewisia (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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**Key:**

(E) Endangered - Listed (in the Federal Register) as being in danger of extinction.

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# Federal Endangered and Threatened Species that may be Affected by Projects in the CASCADDEL POINT 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

## Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

## Quad Species Lists

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Carpenteria californica* - carpenteria (CA)

*Collomia rawsoniana* - Rawson's flaming-trumpet (SC)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the DINKEY CREEK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus (=Salmo) clarki henshawi* - Lahontan cutthroat trout (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

*Rana boylei* - foothill yellow-legged frog (SC)

### Reptiles

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

## Quad Species Lists

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Carpenteria californica* - carpenteria (CA)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the DOGTOOTH PEAK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus* (=Salmo) *clarki henshawi* - Lahontan cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Reptiles

## Quad Species Lists

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

### Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Hulsea brevifolia* - short-leaved hulsea (=shortleaf alpinegold) (SLC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the FLORENCE LAKE 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Mammals

*Ovis canadensis californiana* - Sierra Nevada (=California) bighorn sheep (E)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Birds

## Quad Species Lists

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the GRAVEYARD PEAK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus* (=Salmo) *clarki seleniris* - Paiute cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Mammals

*Ovis canadensis californiana* - Sierra Nevada (=California) bighorn sheep (E)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

## Birds

- Accipiter gentilis* - northern goshawk (SC)
- Baeolophus inornatus* - oak titmouse (SLC)
- Cinclus mexicanus* - American dipper (SLC)
- Cypseloides niger* - black swift (SC)
- Empidonax traillii brewsteri* - little willow flycatcher (CA)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Numenius americanus* - long-billed curlew (SC)
- Otus flammeolus* - flammulated owl (SC)
- Picoides albolarvatus* - white-headed woodpecker (SC)
- Selasphorus rufus* - rufous hummingbird (SC)
- Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

- Euderma maculatum* - spotted bat (SC)
- Myotis ciliolabrum* - small-footed myotis bat (SC)
- Myotis evotis* - long-eared myotis bat (SC)
- Myotis thysanodes* - fringed myotis bat (SC)
- Myotis volans* - long-legged myotis bat (SC)
- Myotis yumanensis* - Yuma myotis bat (SC)
- Sorex lyelli* - Mt. Lyell shrew (SC)
- Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

- Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

**Key:**

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# Federal Endangered and Threatened Species that may be Affected by Projects in the HUNTINGTON LAKE 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus (=Salmo) clarki henshawi* - Lahontan cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

### Birds

## Quad Species Lists

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Hulsea brevifolia* - short-leaved hulsea (=shortleaf alpinegold) (SLC)

*Linanthus serrulatus* - Madera linanthus (SLC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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**Key:**

(E) Endangered - Listed (in the Federal Register) as being in danger of extinction.

(T) Threatened - Listed as likely to become endangered within the foreseeable future.

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# Federal Endangered and Threatened Species that may be Affected by Projects in the KAISER PEAK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)



## Quad Species Lists

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Hulsea brevifolia* - short-leaved hulsea (=shortleaf alpinegold) (SLC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the MAMMOTH POOL DAM 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Hydroporus leechi* - Leech's skyline diving beetle (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

## Birds

- Accipiter gentilis* - northern goshawk (SC)
- Baeolophus inornatus* - oak titmouse (SLC)
- Carduelis lawrencei* - Lawrence's goldfinch (SC)
- Cinclus mexicanus* - American dipper (SLC)
- Cypseloides niger* - black swift (SC)
- Empidonax traillii brewsteri* - little willow flycatcher (CA)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Numenius americanus* - long-billed curlew (SC)
- Otus flammeolus* - flammulated owl (SC)
- Picoides albolarvatus* - white-headed woodpecker (SC)
- Selasphorus rufus* - rufous hummingbird (SC)
- Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

- Euderma maculatum* - spotted bat (SC)
- Eumops perotis californicus* - greater western mastiff-bat (SC)
- Gulo gulo luteus* - California wolverine (CA)
- Martes americana* - American (=pine) marten (SC)
- Myotis ciliolabrum* - small-footed myotis bat (SC)
- Myotis evotis* - long-eared myotis bat (SC)
- Myotis thysanodes* - fringed myotis bat (SC)
- Myotis volans* - long-legged myotis bat (SC)
- Myotis yumanensis* - Yuma myotis bat (SC)
- Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

- Camissonia sierrae ssp. alticola* - Mono Hot Springs evening-primrose (SC)

*Collomia rawsoniana* - Rawson's flaming-trumpet (SC)

*Lewisia disepala* - Yosemite lewisia (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the MILLERTON LAKE EAST 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Invertebrates

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Reptiles

*Gambelia* (=Crotaphytus) *sila* - blunt-nosed leopard lizard (E)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Mammals

*Dipodomys nitratooides exilis* - Fresno kangaroo rat (E)

### Plants

*Castilleja campestris* ssp. *succulenta* - succulent (=fleshy) owl's-clover (T)

*Orcuttia inaequalis* - San Joaquin Valley Orcutt grass (T)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

## Species of Concern

### Invertebrates

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Cicindela tranquebarica ssp.* - San Joaquin tiger beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picooides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

#### **Mammals**

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Onychomys torridus ramona* - Southern grasshopper mouse (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### **Plants**

*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

vernal pool invertebrates (X)



vernal pool plants (X)

vernal pool tadpole shrimp (X)

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# Federal Endangered and Threatened Species that may be Affected by Projects in the MT. GIVENS 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

## Quad Species Lists

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

### Mammals

*Euderma maculatum* - spotted bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the MUSICK MTN. 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

## Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

## Quad Species Lists

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Collomia rawsoniana* - Rawson's flaming-trumpet (SC)

*Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the NORTH FORK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Invertebrates

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

## Species of Concern

### Invertebrates

*Lytta molesta* - molestan blister beetle (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

## Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

## Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

## Quad Species Lists

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Onychomys torridus ramona* - Southern grasshopper mouse (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

### Plants

*Carpenteria californica* - carpenteria (CA)

*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

vernal pool invertebrates (X)

vernal pool plants (X)

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### Key:

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# Federal Endangered and Threatened Species that may be Affected by Projects in the SHARKTOOTH PEAK 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus* (=Salmo) *clarki seleniris* - Paiute cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Mammals

*Ovis canadensis californiana* - Sierra Nevada (=California) bighorn sheep (E)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

## Birds

- Accipiter gentilis* - northern goshawk (SC)
- Baeolophus inornatus* - oak titmouse (SLC)
- Cinclus mexicanus* - American dipper (SLC)
- Cypseloides niger* - black swift (SC)
- Empidonax traillii brewsteri* - little willow flycatcher (CA)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Numenius americanus* - long-billed curlew (SC)
- Otus flammeolus* - flammulated owl (SC)
- Picoides albolarvatus* - white-headed woodpecker (SC)
- Selasphorus rufus* - rufous hummingbird (SC)
- Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

- Euderma maculatum* - spotted bat (SC)
- Myotis ciliolabrum* - small-footed myotis bat (SC)
- Myotis evotis* - long-eared myotis bat (SC)
- Myotis thysanodes* - fringed myotis bat (SC)
- Myotis volans* - long-legged myotis bat (SC)
- Myotis yumanensis* - Yuma myotis bat (SC)
- Sorex lyelli* - Mt. Lyell shrew (SC)
- Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the SHAVER LAKE 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Oravelia pege* - Dry Creek cliff strider bug (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)



*Clemmys marmorata pallida* - southwestern pond turtle (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picooides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

## Quad Species Lists

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Carpenteria californica* - carpenteria (CA)

*Lewisia disepala* - Yosemite lewisia (SC)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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# Federal Endangered and Threatened Species that may be Affected by Projects in the SQUAW DOME 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus* (=Salmo) *clarki henshawi* - Lahontan cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Hydroporus leechi* - Leech's skyline diving beetle (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

## Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

## Birds

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Gulo gulo luteus* - California wolverine (CA)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

*Lewisia disepala* - Yosemite lewisia (SC)

*Trifolium bolanderi* - parasol (=Bolander's) clover (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None

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### Key:

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# Federal Endangered and Threatened Species that may be Affected by Projects in the WARD MOUNTAIN 7 1/2 Minute Quad

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

## Listed Species

### Fish

*Hypomesus transpacificus* - delta smelt (T)

### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

## Candidate Species

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Invertebrates

*Hydroporus hirsutus* - Woolly hydroporus diving beetle (SC)

### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

### Birds

## Quad Species Lists

*Accipiter gentilis* - northern goshawk (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

## Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

*Trifolium bolanderi* - parasol (=Bolander's) clover (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this Quad

None



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## Federal Endangered and Threatened Species that may be affected by projects in Fresno County

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

### Listed Species

#### Invertebrates

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Lepidurus packardii* - vernal pool tadpole shrimp (E)

#### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus* (=Salmo) *clarki henshawi* - Lahontan cutthroat trout (T)

*Oncorhynchus* (=Salmo) *clarki seleniris* - Paiute cutthroat trout (T)

*Oncorhynchus mykiss* - South Central California steelhead (T) (NMFS)

#### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

#### Reptiles

*Gambelia* (=Crotaphytus) *sila* - blunt-nosed leopard lizard (E)

*Thamnophis gigas* - giant garter snake (T)

#### Birds

*Gymnogyps californianus* - California condor (E)

*Haliaeetus leucocephalus* - bald eagle (T)

#### Mammals

*Dipodomys ingens* - giant kangaroo rat (E)

*Dipodomys nitratooides exilis* - Fresno kangaroo rat (E)

*Dipodomys nitratooides nitratooides* - Tipton kangaroo rat (E)

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Ovis canadensis californiana* - Sierra Nevada (=California) bighorn sheep (E)

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

## Plants

*Calyptridium pulchellum* - Mariposa pussy-paws (T)

*Camissonia benitensis* - San Benito evening-primrose (T)

*Castilleja campestris* ssp. *succulenta* - succulent (=fleshy) owl's-clover (T)

*Caulanthus californicus* - California jewelflower (E)

*Cordylanthus palmatus* - palmate-bracted bird's-beak (E)

*Monolopia congdonii* (= *Lembertia congdonii*) - San Joaquin woolly-threads (E)

*Orcuttia inaequalis* - San Joaquin Valley Orcutt grass (T)

*Pseudobahia bahiifolia* - Hartweg's golden sunburst (E)

*Pseudobahia peirsonii* - San Joaquin adobe sunburst (T)

*Sidalcea keckii* - Keck's checker-mallow (=checkerbloom) (E)

*Tuctoria greenei* - Greene's tuctoria (=Orcutt grass) (E)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

## Birds

*Coccyzus americanus occidentalis* - Western yellow-billed cuckoo (C)

## Mammals

*Martes pennanti* - fisher (C)

## Plants

*Botrychium lineare* - slender Moonwort (= narrowleaf grapefern) (C)

## Species of Concern

### Invertebrates

*Aegialia concinna* - Ciervo aegialian scarab beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Cicindela tranquebarica* ssp. - San Joaquin tiger beetle (SC)

*Coelus gracilis* - San Joaquin dune beetle (SC)

*Cryptochia excella* - Kings Canyon cryptochian caddisfly (SC)

*Hydroporus hirsutus* - Woolly hydroporus diving beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Lytta hoppingi* - Hopping's blister beetle (SC)

*Lytta moesta* - moestan blister beetle (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Lytta morrisoni* - Morrison's blister beetle (SC)

*Oravelia pege* - Dry Creek cliff strider bug (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

### Fish

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

#### Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

*Rana boylei* - foothill yellow-legged frog (SC)

*Spea hammondi* - western spadefoot toad (SC)

#### Reptiles

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

#### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Botaurus lentiginosus* - American bittern (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Buteo Swainsoni* - Swainson's hawk (CA)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Charadrius montanus* - mountain plover (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Contopus cooperi* - olive-sided flycatcher (SC)

*Cypseloides niger* - black swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Sphyrapicus ruber* - red-breasted sapsucker (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma lecontei macmillanorum* - San Joaquin LeConte's thrasher (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Ammospermophilus nelsoni* - San Joaquin (=Nelson's) antelope squirrel (CA)

*Corynorhinus (=Plecotus) townsendii pallescens* - pale Townsend's big-eared bat (SC)

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Dipodomys nitratooides brevinasus* - short-nosed kangaroo rat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Gulo gulo luteus* - California wolverine (CA)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Onychomys torridus ramona* - Southern grasshopper mouse (SC)

*Onychomys torridus tularensis* - Tulare grasshopper mouse (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

*Sorex lyelli* - Mt. Lyell shrew (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Acanthomintha obovata* ssp. *obovata* - obovate-leaved thornmint (SC)

*Amsinckia vernicosa* var. *furcata* - forked fiddleneck (SLC)

*Arabis bodiensis* - Bodie Hills rock cress (SC)

*Astragalus monoensis* var. *ravenii* - Raven's milk-vetch (SC)

*Atriplex cordulata* - heartscale (SC)

*Atriplex depressa* - brittle scale (SC)

*Atriplex minuscula* - lesser saltscale (SC)

*Atriplex subtilis* - subtle orache (SLC)

*Atriplex vallicola* - Lost Hills saltbush (=crownscale) (SC)

*Calystegia collina* ssp. *venusta* - South Coast Range morning-glory (SLC)

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

*Carpenteria californica* - carpenteria (CA)

*Caulanthus coulteri* var. *lemmonii* - Lemmon's jewelflower (SLC)

*Chorizanthe biloba* var. *immemora* - San Benito spineflower (SC)

*Cordylanthus tenuis* ssp. *barbatus* - Fresno County bird's-beak (SC)

*Deinandra halliana* - Hall's tarplant (SC)

*Delphinium recurvatum* - recurved larkspur (SC)

*Eriastrum hooveri* - Hoover's eriastrum (= woolly-star) (D)

*Erigeron multiceps* - Kern River daisy (SC)

*Eriogonum gossypinum* - cottony buckwheat (SLC)

*Eriogonum nudum* var. *murinum* - mouse buckwheat (SC)

*Eriogonum nudum* var. *regirivum* - Kings River buckwheat (SLC)

*Eryngium spinosepalum* - spiny-sepaled coyote-thistle (=button-celery) (SC)

*Fritillaria agrestis* - stinkbells (SLC)

*Galium andrewsii* ssp. *gatense* - serpentine bedstraw (SLC)

*Gilia yorkii* - Monarch gilia (SLC)

*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)

*Hulsea brevifolia* - short-leaved hulsea (=shortleaf alpinegold) (SLC)

*Ivesia campestris* - field ivesia (=field mousetail) (SLC)

*Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)



*Layia discoidea* - rayless layia (SC)

*Layia heterotricha* - pale-yellow layia (SC)

*Layia munzii* - Munz's tidy-tips (SC)

*Lepidium jaredii* var. *album* - Panoche peppergrass (SC)

*Lewisia disepala* - Yosemite lewisia (SC)

*Lewisia longipetala* - long-petaled lewisia (SC)

*Linanthus serrulatus* - Madera linanthus (SLC)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

*Madia radiata* - showy (=golden) madia (SC)

*Malacothamnus aboriginum* - Indian Valley (=gray) bush mallow (SLC)

*Mimulus gracilipes* - slender-stalked monkeyflower (SLC)

*Ribes menziesii* var. *ixoderme* - aromatic canyon gooseberry (SLC)

*Sagittaria sanfordii* - valley sagittaria (=Sanford's arrowhead) (SC)

*Schizymenium shevockii* - No common name (SLC)

*Streptanthus fenestratus* - Tehipite Valley jewelflower (SC)

*Streptanthus gracilis* - alpine streptanthus (=jewel-flower) (SC)

*Trifolium bolanderi* - parasol (=Bolander's) clover (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this County

California red-legged frog (Proposed) (PX)

Fresno kangaroo rat (E)

Keck's checker-mallow (PX)

vernal pool fairy shrimp (X)

vernal pool invertebrates (X)

vernal pool plants (X)

vernal pool tadpole shrimp (X)

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## Federal Endangered and Threatened Species that may be affected by projects in Madera County

Database Last Updated: June 1, 2004

Today's Date is: June 7, 2004

### Listed Species

#### Invertebrates

*Branchinecta longiantenna* - longhorn fairy shrimp (E)

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Lepidurus packardi* - vernal pool tadpole shrimp (E)

#### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus (=Salmo) clarki henshawi* - Lahontan cutthroat trout (T)

*Oncorhynchus (=Salmo) clarki seleniris* - Paiute cutthroat trout (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

#### Amphibians

*Rana aurora draytonii* - California red-legged frog (T)

#### Reptiles

*Gambelia (=Crotaphytus) sila* - blunt-nosed leopard lizard (E)

*Thamnophis gigas* - giant garter snake (T)

#### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

#### Mammals

*Dipodomys nitratoides exilis* - Fresno kangaroo rat (E)

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

#### Plants

*Calyptridium pulchellum* - Mariposa pussy-paws (T)

*Castilleja campestris* ssp. *succulenta* - succulent (=fleshy) owl's-clover (T)

*Cordylanthus palmatus* - palmate-bracted bird's-beak (E)

*Orcuttia inaequalis* - San Joaquin Valley Orcutt grass (T)

*Orcuttia pilosa* - hairy Orcutt grass (E)

*Pseudobahia bahiifolia* - Hartweg's golden sunburst (E)

*Tuctoria greenei* - Greene's tuctoria (=Orcutt grass) (E)

## **Proposed Species**

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

## **Candidate Species**

### Fish

*Acipenser medirostris* - green sturgeon (C)

### Amphibians

*Bufo canorus* - Yosemite toad (C)

*Rana muscosa* - mountain yellow-legged frog (C)

### Birds

*Coccyzus americanus occidentalis* - Western yellow-billed cuckoo (C)

### Mammals

*Martes pennanti* - fisher (C)

### Plants

*Botrychium lineare* - slender Moonwort (= narrowleaf grapefern) (C)

## **Species of Concern**

### Invertebrates

*Atractelmis wawona* - Wawona riffle beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Cicindela tranquebarica* ssp. - San Joaquin tiger beetle (SC)

*Hydroporus leechi* - Leech's skyline diving beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Monadenia hillebrandi yosemitensis* - Yosemite mariposa sideband snail (SC)

*Philotiella speciosa bohartorum* - Bohart's blue butterfly (SC)

*Tetrix sierrana* - Sierra pygmy grasshopper (SC)

## Fish

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

## Amphibians

*Hydromantes platycephalus* - Mount Lyell salamander (SC)

*Rana boylei* - foothill yellow-legged frog (SC)

*Spea hammondi* - western spadefoot toad (SC)

## Reptiles

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

*Sceloporus graciosus graciosus* - northern sagebrush lizard (SC)

## Birds

- Accipiter gentilis* - northern goshawk (SC)
- Agelaius tricolor* - tricolored blackbird (SC)
- Amphispiza belli belli* - Bell's sage sparrow (SC)
- Athene cunicularia hypugaea* - western burrowing owl (SC)
- Baeolophus inornatus* - oak titmouse (SLC)
- Botaurus lentiginosus* - American bittern (SC)
- Branta canadensis leucopareia* - Aleutian Canada goose (D)
- Buteo regalis* - ferruginous hawk (SC)
- Buteo Swainsoni* - Swainson's hawk (CA)
- Calypte costae* - Costa's hummingbird (SC)
- Carduelis lawrencei* - Lawrence's goldfinch (SC)
- Chaetura vauxi* - Vaux's swift (SC)
- Charadrius montanus* - mountain plover (SC)
- Cinclus mexicanus* - American dipper (SLC)
- Contopus cooperi* - olive-sided flycatcher (SC)
- Cypseloides niger* - black swift (SC)
- Elanus leucurus* - white-tailed (=black shouldered) kite (SC)
- Empidonax traillii brewsteri* - little willow flycatcher (CA)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Grus canadensis tabida* - greater sandhill crane (CA)
- Histrionicus histrionicus* - Harlequin duck (SC)
- Lanius ludovicianus* - loggerhead shrike (SC)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Numenius americanus* - long-billed curlew (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Sphyrapicus ruber* - red-breasted sapsucker (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Ammospermophilus nelsoni* - San Joaquin (=Nelson's) antelope squirrel (CA)

*Corynorhinus (=Plecotus) townsendii pallescens* - pale Townsend's big-eared bat (SC)

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Dipodomys heermanni dixonii* - Merced kangaroo rat (SC)

*Dipodomys nitratooides brevinasus* - short-nosed kangaroo rat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Gulo gulo luteus* - California wolverine (CA)

*Lepus americanus tahoensis* - Sierra Nevada snowshoe hare (SC)

*Martes americana* - American (=pine) marten (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Onychomys torridus ramona* - Southern grasshopper mouse (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

*Sorex lyelli* - Mt. Lyell shrew (SC)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## Plants

*Atriplex cordulata* - heartscale (SC)

*Atriplex depressa* - brittle-scale (SC)

*Atriplex minuscula* - lesser salt-scale (SC)

*Atriplex subtilis* - subtle orache (SLC)

*Botrychium lunaria* - common moonwort (SC)

*Calycadenia hooveri* - Hoover's calycadenia (SLC)

*Camissonia sierrae* ssp. *alticola* - Mono Hot Springs evening-primrose (SC)

*Carpenteria californica* - carpenteria (CA)

*Clarkia australis* - Small's southern clarkia (SC)

*Collomia rawsoniana* - Rawson's flaming-trumpet (SC)

*Cryptantha hooveri* - Hoover's cryptantha (SLC)

*Delphinium hansenii* ssp. *ewanianum* - Ewan's larkspur (SC)

*Eriophyllum nubigenum* - Yosemite woolly-sunflower (SC)

*Eryngium spinosepalum* - spiny-sepaled coyote-thistle (=button-celery) (SC)

*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)

*Hulsea brevifolia* - short-leaved hulsea (=shortleaf alpinegold) (SLC)

*Lewisia disepala* - Yosemite lewisia (SC)

*Linanthus grandiflorus* - large-flowered (=flower) linanthus (SC)



*Linanthus serrulatus* - Madera linanthus (SLC)

*Lupinus citrinus* var. *citrinus* - orange lupine (SC)

*Trifolium bolanderi* - parasol (=Bolander's) clover (SC)

## Species with [Critical Habitat](#) Proposed or Designated in this County

vernal pool tadpole shrimp (X)

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## **APPENDIX C**

### **Plant Species Observed Only during 2003 Field Surveys**

### Appendix C. Plant Species Observed Only During 2003 Field Surveys

SCIENTIFIC NAME	COMMON NAME
<b><u>VASCULAR SPECIES</u></b>	
<b>Asteraceae</b>	
<i>Ageratina occidentale</i>	western eupatorium
<i>Antennaria dimorpha</i>	low pussytoes
<i>Arnica cordifolia</i>	heart-leaved arnica
<i>Artemisia ludoviciana</i> ssp. <i>candicans</i>	gray mugwort
<i>Eriophyllum confertiflorum</i> var. <i>tanacetiflorum</i>	tansy yarrow
<i>Gnaphalium bicolor</i>	bicolored everlasting
<i>Gnaphalium californicum</i>	California cudweed
<i>Gnaphalium canescens</i> ssp. <i>thermale</i>	white everlasting
<i>Lasthenia californica</i>	California goldfields
<i>Lessingia glandulifera</i> var. <i>glandulifera</i>	sticky lessingia
<i>Microseris nutans</i>	nodding microceris
<i>Sonchus asper</i> ssp. <i>asper</i>	prickly sow thistle
<i>Stephanomeria exigua</i> ssp. <i>macrocarpa</i>	large-fruited stephanomeria
<b>Boraginaceae</b>	
<i>Mertensia ciliata</i> var. <i>stomatechoides</i>	streamside bluebells
<b>Brassicaceae</b>	
<i>Arabis holboellii</i> var. <i>pinetorum</i>	pinewoods Holboell's rock-cress
<i>Arabis rectissima</i> var. <i>rectissima</i>	bristly-leaved rock-cress
<b>Caryophyllaceae</b>	
<i>Lychnis coronaria</i>	rose campion

**Appendix C. Plant Species Observed Only During 2003 Field Surveys (continued)**

SCIENTIFIC NAME	COMMON NAME
<b><u>VASCULAR SPECIES (continued)</u></b>	
<b>Chenopodiaceae</b> <i>Chenopodium album</i>	lamb's quarters, white goosefoot
<b>Cyperaceae</b> <i>Carex aquatilis</i> ssp. <i>aquatilis</i> <i>Carex multicaulis</i>	water sedge manystem sedge
<b>Droseraceae</b> <i>Drosera rotundifolia</i>	roundleaf sundew
<b>Dryopteridaceae</b> <i>Woodsia oregana</i>	Oregon cliff fern
<b>Ericaceae</b> <i>Vaccinium uliginosum</i> ssp. <i>occidentale</i>	western blueberry
<b>Fabaceae</b> <i>Lathyrus brownii</i> <i>Lotus corniculatus</i> <i>Lotus purshianus</i> var. <i>purshianus</i> <i>Lupinus albifrons</i> var. <i>albifrons</i> <i>Lupinus breweri</i> var. <i>breweri</i> <i>Trifolium depauperatum</i>	Brown's brush pea bird's foot trefoil Spanish lotus silver lupine Brewer's lupine cowbag clover
<b>Gentianaceae</b> <i>Gentiana calycosa</i> <i>Gentianopsis holopetala</i> <i>Swertia radiata</i>	explorer's gentian Sierra gentian giant frasera
<b>Grossulariaceae</b> <i>Ribes cereum</i> var. <i>cereum</i>	wax currant
<b>Hydrophyllaceae</b> <i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<b>Lamiaceae</b> <i>Mentha x piperita</i> <i>Trichostema oblongum</i>	peppermint mountain bluecurls
<b>Onagraceae</b> <i>Gayophytum heterozygum</i>	zigzag groundsmoke
<b>Orchidaceae</b> <i>Listera convallarioides</i>	broad-lipped twayblade
<b>Orobanchaceae</b> <i>Orobanche uniflora</i>	naked broom-rape
<b>Papaveraceae</b> <i>Dicentra formosa</i>	bleeding heart
<b>Pinaceae</b> <i>Pinus monticola</i> <i>Pseudotsuga menziesii</i> var. <i>menziesii</i>	western white pine Douglas fir

**Appendix C. Plant Species Observed Only During 2003 Field Surveys (continued)**

SCIENTIFIC NAME	COMMON NAME
<b><u>VASCULAR SPECIES (continued)</u></b>	
<b>Poaceae</b>	
<i>Paspalum dilatatum</i>	dallis grass
<i>Trisetum spicatum</i>	narrow oatgrass
<b>Polemoniaceae</b>	
<i>Allophyllum integrifolium</i>	white false gilia
<i>Collomia rawsoniana</i>	flaming trumpet
<i>Eriastrum densifolium</i> ssp. <i>austromontanum</i>	southern mountain eriastrum
<i>Gilia leptalea</i> ssp. <i>bicolor</i>	bicolored Bridge's gilia
<i>Navarretia divaricata</i> ssp. <i>vividior</i>	mountain navarretia
<b>Polygonaceae</b>	
<i>Eriogonum incanum</i>	frosted buckwheat
<i>Eriogonum nudum</i> var. <i>nudum</i>	naked buckwheat
<i>Eriogonum roseum</i>	wand buckwheat
<i>Polygonum douglasii</i> ssp. <i>douglasii</i>	Douglas' knotweed
<i>Polygonum minimum</i>	leafy dwarf knotweed
<i>Polygonum polygaloides</i> ssp. <i>confertiflorum</i>	dense knotweed, fruitleaf knotweed
<i>Rumex salicifolius</i> var. <i>denticulatus</i>	toothed willow dock
<i>Rumex salicifolius</i> var. <i>transitorius</i>	willow dock
<b>Portulacaceae</b>	
<i>Lewisia pygmaea</i>	alpine lewisia
<b>Pteridaceae</b>	
<i>Pellaea breweri</i>	Brewer's cliff-brake
<i>Pellaea bridgesii</i>	Bridge's cliff-brake
<b>Punicaceae</b>	
<i>Punica granatum</i>	pomegranate
<b>Ranunculaceae</b>	
<i>Caltha leptosepala</i>	marsh marigold
<i>Delphinium depauperatum</i>	few-flowered larkspur
<b>Rosaceae</b>	
<i>Rosa pinetorum</i>	pine rose
<i>Rubus glaucifolius</i>	glaucus-leaved raspberry
<i>Sibbaldia procumbens</i>	creeping sibbaldia
<b>Rubiaceae</b>	
<i>Cephalanthus occidentalis</i> var. <i>californicus</i>	California buttonbush
<i>Galium bifolium</i>	low mountain bedstraw
<i>Galium triflorum</i>	sweet-scented bedstraw

**Appendix C. Plant Species Observed Only During 2003 Field Surveys (continued)**

SCIENTIFIC NAME	COMMON NAME
<b><u>VASCULAR SPECIES (continued)</u></b>	
<i>Saxifraga aprica</i>	Sierra saxifrage
<b>Scrophulariaceae</b>	
<i>Mimulus floribundus</i>	floriferous monkeyflower
<i>Mimulus suksdorfii</i>	Suksdorf's monkeyflower
<i>Mimulus torreyi</i>	Torrey's monkeyflower
<i>Veronica serpyllifolia</i> ssp. <i>humifusa</i>	thyme-leaved speedwell
<b>Violaceae</b>	
<i>Viola sheltonii</i>	Shelton's violet

**APPENDIX D**  
**California Native Species Field Survey Forms and Maps**

## **Placeholder for Forms and Maps**

### **Non-Internet Public Information**

These Forms and Maps have been removed in accordance with the Commission regulations at 18 CFR Section 388.112.

These Forms and Maps are considered Non-Internet Public information and should not be posted on the Internet. This information is provided in Volume 4 of the Application for New License and is identified as "Non-Internet Public" information. This information may be accessed from the FERC's Public Reference Room, but is not expected to be posted on the Commission's electronic library, except as an indexed item.



## **APPENDIX E**

### **Photographs of Special-Status Plant Populations Observed in the Big Creek ALP 2003 Study Area**

### Appendix E. Photographs of Special-status Plant Populations Identified in the Big Creek ALP 2003 Study Area



Yosemite evening primrose at Logan Meadow trailhead.



Yosemite evening primrose at Logan Meadow trailhead.



Yosemite evening primrose along Musick Distribution Line.



Yosemite evening primrose along Musick Distribution Line.



Mono Hot Springs evening primrose (yellow flower) along Mono-Bear Combined Flowline.



Mono Hot Springs evening primrose along Mono-Bear Combined Flowline.



### Appendix E. Photographs of Special-status Plant Populations Identified in the Big Creek ALP 2003 Study Area



Flaming trumpet on Rock Creek.



Flaming trumpet on Rock Creek.



Cut-leaved monkeyflower along Crater Creek Diversion Open Channel.



Cut-leaved monkeyflower along Crater Creek Diversion Open Channel.



Short-leaved hulsea at Huntington Lake.



Short-leaved hulsea at Huntington Lake.

## **APPENDIX F**

### **Locations of Special-Status Plant Populations Identified During the Big Creek ALP 2003 Study**

### Appendix F. Locations of Special-status Plant Populations Occurring within the 2003 Study Area

Scientific/ Common Name	Status	Map Label	Location
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening-primrose	CNPS 1B, FSC, FSS	1-1	Bear Tunnel
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening-primrose	CNPS 1B, FSC, FSS	1-2	Mono-Bear Combined Flowline (Siphon)
<i>Collomia rawsoniana</i> flaming trumpet	CNPS 1B, FSC, FSS	2-1	Outside Study Area, Rock Creek
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-1	Outside Study Area; 500 feet from Huntington Lake Dam 3
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-2	Tunnel 5, Adit 72
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-3	Road 8S02, from Hwy 168 to Huntington-Pitman-Shaver tunnel adit
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-4	Road 8S02, from Hwy 168 to Huntington-Pitman-Shaver tunnel adit
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-5	Road 8S02, from Hwy 168 to Huntington-Pitman-Shaver tunnel adit
<i>Camissonia sierrae</i> ssp. <i>sierrae</i> Yosemite evening-primrose	CNPS 4, FSW	4-1	Trailhead - Logan Meadow
<i>Camissonia sierrae</i> ssp. <i>sierrae</i> Yosemite evening-primrose	CNPS 4, FSW	4-2	Musick Distribution Line
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-1	Crater Creek Diversion Open Channel
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-2	Crater Creek Diversion Open Channel
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-3	Crater Creek Diversion Open Channel
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-4	Crater Creek Diversion Open Channel
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-5	Crater Creek Diversion Open Channel
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-6	Crater Creek Diversion Open Channel

**Appendix F. Locations of Special-status Plant Populations Occurring within the 2003 Study Area (continued)**

Scientific/ Common Name	Status	Map Label	Location
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	5-7	Bear Creek trailhead
<i>Drosera rotundifolia</i> roundleaf sundew	FSW	6-1	Coon Creek Meadow

## Codes:

FE = federally listed as endangered

FT = federally listed as threatened

FC = federal candidate species

FSC = federal species of concern

CE = California state listed as endangered

CT = California state listed as threatened

CR = California state listed as rare

CNPS = California Native Plant Society

1B = rare, threatened or endangered in California and elsewhere

2 = rare in California but more common elsewhere

3 = need more information

4 = plants of limited distribution; a watch list

FSS = U.S. Forest Service sensitive species in the Sierra National Forest

FSW = U.S. Forest Service watch list species in the Sierra National Forest

Status codes derived from CNDDDB (CDFG 2002), CNPS (2002), USFS (2002), USFWS (2002)