
TERR 3 SPECIAL-STATUS PLANT POPULATIONS

1.0 EXECUTIVE SUMMARY

The occurrence and abundance of special-status plant populations near Project facilities and recreation features in the Big Creek study area were determined by reviewing existing information, conducting agency consultation, and completing surveys during the spring and summer of 2004. For each special-status plant species or population identified, a California Natural Diversity Database (CNDDDB) form was completed, and photographs were taken. The locations were mapped and incorporated into a confidential GIS database.

No state or federally listed plant species were found during the special-status plant surveys in 2002 through 2004. Four special-status plant species, totaling 26 populations, were identified during additional surveys at newly identified locations conducted in 2004. One population of Fresno mat (*Ceanothus fresnensis*) was identified adjacent to the access road to the trail to Pitman Domestic Water Diversion from Huntington Lake Road. Fourteen populations of cut-leaved monkeyflower (*Mimulus laciniatus*) were identified adjacent to the access road to Eagle Point Boat-Only Day Use Area (off of 9S58); the access road to Eastwood Tailrace (off of 9S58); Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road; Bear Diversion Pool; and Hooper Diversion Pool. Six populations of short-leaved hulsea (*Hulsea brevifolia*) were identified along Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168. Five populations of Mono Hot Springs evening primrose (*Camissonia sierrae* ssp. *alticola*) were identified adjacent to the trail to Bear Creek Gage, Hooper Diversion Pool, Road 6S83, access road to Bear Diversion from 5S80, and Kaiser Pass Road.

2.0 STUDY OBJECTIVES

- Document the presence and abundance of special-status vascular plants and bryophytes adjacent to Project facilities and recreation features that were not surveyed in 2002 or 2003.

3.0 STUDY IMPLEMENTATION

3.1 STUDY ELEMENTS COMPLETED

- Completed special-status plant surveys near previously unsurveyed Project facilities and recreation features in the spring and summer of 2004.
- For each special-status plant species identified, a CNDDDB form was completed.
- The locations were mapped and incorporated into a confidential GIS database.

3.2 OUTSTANDING STUDY ELEMENTS

There are no outstanding study elements.

4.0 STUDY METHODOLOGY

4.1 REVIEW OF EXISTING INFORMATION

Existing documentation pertinent to the botanical resources in the 2004 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 2004); (2) CDFG's *Natural Diversity Database* (CNDDDB) (CDFG 2004) (Appendix A); (3) USDA-FS Regional Forester's *List of Sensitive Plant and Animal Species for Region 5* (USDA-FS 1998); (4) USFWS *Species List* (USFWS 2004) (Appendix B); (5) Sierra National Forest *Sensitive Plant List* (Clines 2002); (6) USFS's *High Sierra Ranger District Sensitive Plant Coverage* (USDA-FS 2004); (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); and (10) information from appropriate agency representatives, such as the Sierra National Forest botanist; and 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 provided in the 2002 TERR 3, Special-status Plant Populations Technical Study Report (TSR) (SCE 2003). This list was updated with the most current information at the start of the 2004 surveys. Primary taxonomic references include *Contributions Toward a Bryoflora of California: A Specimen-based Catalogue of Mosses* (Norris and Shevock 2004a), *Contributions Toward a Bryoflora of California: A Key to the Mosses* (Norris and Shevock 2004b), as well as those listed in the 2002 TERR 3, Special-status Plant Populations TSR (SCE 2003) and the 2003 TERR 3, Special-status Plant Populations TSR (SCE 2004).

4.2 EVALUATION OF VEGETATION COMMUNITIES

Vegetation communities were identified and mapped in 2001 and 2003 and are included as part of the 2002 TERR 1, Vegetation Communities TSR (SCE 2003) and the 2003 TERR 1, Vegetation Communities TSR (SCE 2004). Refer to the 2002 TERR-1, Vegetation Communities TSR (SCE 2003) for a detailed description of the 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 recreation features, in the 2004 study area, was recorded during field surveys conducted from April through August 2004. Refer to Appendix C for a complete list of locations surveyed in 2004. The lower elevation surveys were conducted April 19-21 and July 6-7. The middle elevation surveys were conducted May 10-12 and July 19-21. The higher elevation surveys were conducted June 7-11 and August 11-13. 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 (SCE 2003) for detailed methodology. Specimens of bryophytes were collected during surveys and were identified to species by a bryophyte specialist. Voucher specimens of all bryophyte species encountered during the study have been preserved and will be deposited in the Herbaria of Lambda-Max and the Science Museum of Minnesota and will be provided to the USDA-FS upon completion. In 2003, specimens of bryophytes were collected during surveys as part of the CAWG-11, Riparian TSR (SCE 2004). These specimens were identified by an Entrix botanist, the Sierra National Forest botanist, and a bryophyte specialist. Those species that could not be determined were sent to another bryophyte specialist for further investigation.

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 and provided as part of the 2002 TERR 3, Special-status Plant Populations TSR (SCE 2003). This list was updated at the start of the 2004 surveys. 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 (SCE 2003).

5.2 EVALUATION OF VEGETATION COMMUNITIES MAPPING

Each vegetation community present within ¼ mile of the Project facilities and recreation features in the 2004 study area was determined to potentially support at least one special-status plant species. Therefore, every vegetation community in the 2004 study area was visited during surveys. Refer to the 2003 TERR 1, Vegetation Communities TSR (SCE 2004) for maps of the individual vegetation communities present within the study area.

5.3 SPECIAL-STATUS PLANT SURVEYS

A list of the plant species, including Forest Service sensitive bryophytes that were identified at the Project and recreation features in the study area, and that were not included in the 2002 TERR 3, Special-status Plant Populations TSR (SCE 2003) or 2003 TERR 3, Special-status Plant Populations TSR (SCE 2004) is provided in Appendix D. Refer to the 2003 CAWG-11, Riparian TSR (SCE 2004) for a list of bryophytes identified during the 2003 riparian surveys. For each special-status plant population observed a CNDDDB form was completed (Appendix E) and the location was incorporated into a confidential database. Four special-status plant species were identified in the 2004 study area during the surveys, including one occurrence of Fresno mat, 14 occurrences of cut-leaved monkeyflower, six occurrences of short-leaved hulsea, and five populations of Mono Hot Springs evening primrose. The general

location of each population is described in Appendix F and the specific location of these populations is provided in Figures TERR 3-1a through TERR 3-1d. A general location description of each population is given below and also described in relation to previously identified occurrences of those species in the Project vicinity, if applicable.

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

Mono Hot Springs evening-primrose (*Camissonia sierrae* ssp. *alticola*; FSC, CNPS 1B, FSS). Five populations were identified within the study area in decomposed granite and cracks in granite bedrock. One population is located along the trail to Bear Creek Gage; about 10 feet before the gaging station. Two populations are located along Road 6S83, the access road to Bear Diversion from 5S80, Kaiser Pass Road. These populations are within polygons of known occurrences (USDA-FS 2004). The other two populations are located on the north side of Hooper Diversion Pool. One population extends from the dam to the end of the diversion pool and the other starts near the end of the diversion pool and extends about 100 feet farther upstream along Hooper Creek.

Short-leaved hulsea (*Hulsea brevifolia*; CNPS 1B, FSS). Six populations were identified within the study area in openings of mixed coniferous forest. All six populations were identified along Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168.

5.1.2 CNPS 4 AND FSW SPECIES

Fresno Mat (*Ceanothus fresnensis*; CNPS 4, FSW). One population of Fresno mat was identified within the study area. This population is located on the north side of the access road to the trail to Pitman Domestic Water Diversion, from Huntington Lake Road.

Cut-leaved monkeyflower (*Mimulus laciniatus*; CNPS 4, FSW). Fourteen populations were identified in seeps within the study area. Two populations were found on the south side adjacent to the access road to Eagle Point Boat-Only Day Use Area (off of 9S58). Both populations were identified in sand pans on top of granitic outcrops. One population was found in a granite seep at the end of the access road to Eastwood Tailrace (off of 9S58). Five populations are located along Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road. These populations consist of scattered individuals within granite cracks and seeps along the road. One population is located in a granite outcrop between the main parking area at Bear Forebay and Bear Diversion. One population was found in a seep on the west side of Bear Diversion Pool. Two populations were found along the north side of Hooper Diversion Pool and another upstream from the diversion pool.

6.0 LITERATURE CITED

- California Department of Fish and Game (CDFG). 2000. Guidelines for assessing the effects of proposed projects on rare, threatened, and endangered plants and natural communities. Guidelines Produced for the California Department of Fish and Game. May 8, 2000. Revision of Guidelines Dated December 9, 1983.
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FIGURES

Placeholder for Figures

Non-Internet Public Information

These Figures have been removed in accordance with the Commission regulations at 18 CFR Section 388.112.

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APPENDIX A

Updated California Native Diversity Database Report, September 10, 2004

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Occurrence No. 4	Map Index: 15519	EO Index: 13930	Dates Last Seen
Occ Rank: Good			Element: 1959-05-09
Origin: Natural/Native occurrence			Site: 1959-05-09
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1991-05-03
Main Source: HAMON, D. 1972 (MAP)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.01998° / -119.32653°	UTM: Zone-11 N4099619 E293032	Area: 563.9 ac	Elevation: 2,800 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 24E	Section: 35	Qtr: NW	Meridian: M
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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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 9	Map Index: 22758	EO Index: 8307	Dates Last Seen
Occ Rank: Good			Element: 1991-05-07
Origin: Natural/Native occurrence			Site: 1991-05-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-19
Main Source: WILSON, S. & J. CLINES 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.02452° / -119.28839°	Township: 10S
UTM: Zone-11 N4100041 E296438	Range: 25E
Area: 9.6 ac	Section: 30
Elevation: 4,400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: 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

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. 63

Map Index: 21058

EO Index: 9119

Dates Last Seen

Occ Rank: None

Element: 1988-XX-XX

Origin: Natural/Native occurrence

Site: 1992-07-24

Presence: Possibly Extirpated

Trend: Decreasing

Record Last Updated: 1993-04-13

Main Source: DEPT. OF FISH & GAME 1987 (OBS)

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.09423° / -119.27104°

Township: 10S

UTM: Zone-11 N4107739 E298166

Range: 25E

Radius: 1/5 mile

Mapping Precision: NON-SPECIFIC

Section: 05

Qtr: NE

Elevation: 5,720 ft

Symbol Type: POINT

Meridian: M

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

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: 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	Section: XX Qtr: XX
Elevation: 2,000 ft	Meridian: M
Mapping Precision: SPECIFIC	
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 231	Map Index: 47011	EO Index: 47011	Dates Last Seen
Occ Rank: Excellent			Element: 2002-06-18
Origin: Natural/Native occurrence			Site: 2002-06-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-09-09
Main Source: BYRD, S. 2001 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.11363° / -119.27972°	Township: 09S
UTM: Zone-11 N4109910 E297446	Range: 25E
Area: 15.2 ac	Section: 30
Elevation: 5,500 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 14	Map Index: 38756	EO Index: 33763	Dates Last Seen
Occ Rank: Fair			Element: 1997-03-07
Origin: Natural/Native occurrence			Site: 1997-03-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-12
Main Source: CLINES, J. & Y. COUGOULET 1997 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.04907° / -119.27544°	UTM: Zone-11 N4102737 E297656	Area: 8.7 ac	Elevation: 4,700 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 20	Qtr: NW	Meridian: 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

Occurrence No. 15	Map Index: 38758	EO Index: 33765	Dates Last Seen
Occ Rank: Fair			Element: 1996-03-09
Origin: Natural/Native occurrence			Site: 1996-03-09
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-12
Main Source: CLINES, J. & D. TAYLOR 1996 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.03847° / -119.27915°	UTM: Zone-11 N4101569 E297297	Area: 10.7 ac	Elevation: 4,400 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 30	Qtr: NE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No.: 16	Map Index: 38759	EO Index: 33766	Dates Last Seen
Occ Rank: Good			Element: 1996-03-18
Origin: Natural/Native occurrence			Site: 1996-03-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-12
Main Source: CLINES, J. & D. YORK 1996 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.03365° / -119.28216°	Township: 10S
UTM: Zone-11 N4101040 E297017	Range: 25E
Area: 11.2 ac	Section: 30
Elevation: 4,400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 15	Map Index: 15526	EO Index: 19217	Dates Last Seen
Occ Rank: Unknown			Element: 1978-06-02
Origin: Natural/Native occurrence			Site: 1978-06-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: BARTEL, J. 1978 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.03460° / -119.32615°	UTM: Zone-11 N4101241 E293106	Area: 8.7 ac	Elevation: 3,900 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 24E	Section: 26	Qtr: NW	Meridian: 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

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

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

Lat/Long: 37.11025° / -119.37630°	UTM: Zone-11 N4109745 E288855	Area: 5.1 ac	Elevation: 3,200 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 24E	Section: 32	Qtr: NW	Meridian: 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

Occurrence No. 17	Map Index: 15484	EO Index: 19213	Dates Last Seen
Occ Rank: Unknown			Element: 1978-05-26
Origin: Natural/Native occurrence			Site: 1978-05-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-28
Main Source: BARTEL, J. 1978 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.04612° / -119.35206°	UTM: Zone-11 N4102576 E290833	Area: 98.7 ac	Elevation: 4,000 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 24E	Section: 21	Qtr: XX	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 23	Map Index: 15469	EO Index: 19210	Dates Last Seen
Occ Rank: Good			Element: 1995-07-10
Origin: Natural/Native occurrence			Site: 1995-07-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-07
Main Source: GALLAGHER, K. & N. BROWN 1995 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.11186° / -119.35807°	UTM: Zone-11 N4109883 E290479	Area: 8.8 ac	Elevation: 3,500 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 24E	Section: 28	Qtr: SE	Meridian: 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

Occurrence No. 26	Map Index: 15458	EO Index: 19207	Dates Last Seen
Occ Rank: Unknown			Element: 1979-06-17
Origin: Natural/Native occurrence			Site: 1979-06-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-28
Main Source: BROWN, E. 1979 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.08234° / -119.37045°	UTM: Zone-11 N4106635 E289297	Area: 50.2 ac	Elevation: 3,600 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 24E	Section: 08	Qtr: NE	Meridian: 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

Occurrence No. 27	Map Index: 15563	EO Index: 19206	Dates Last Seen
Occ Rank: Unknown			Element: 1979-06-23
Origin: Natural/Native occurrence			Site: 1979-06-23
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-28
Main Source: LATIMER, H. 1979 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.08313° / -119.29668°	UTM: Zone-11 N4106562 E295858	Area: 7.9 ac	Elevation: 5,373 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 24E	Section: 01	Qtr: SE	Meridian: 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, CALYPTRIDIDIUM 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 28	Map Index: 15461	EO Index: 13878	Dates Last Seen
Occ Rank: Unknown			Element: 1995-07-10
Origin: Natural/Native occurrence			Site: 1995-07-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-07
Main Source: HAMON, D. 1980 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.10181° / -119.36844°	Township: 09S
UTM: Zone-11 N4108791 E289530	Range: 24E
Area: 52.4 ac	Section: 32
Elevation: 3,800 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: E
Symbol Type: 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

Occurrence No. 29	Map Index: 15486	EO Index: 12644	Dates Last Seen
Occ Rank: Unknown			Element: 1980-06-01
Origin: Natural/Native occurrence			Site: 1980-06-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-29
Main Source: HAMON, D. 1980 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.10451° / -119.35318°	Township: 09S
UTM: Zone-11 N4109057 E290894	Range: 24E
Area: 2.4 ac	Section: 33
Elevation: 4,460 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.03332° / -119.38691°	Township: 10S
UTM: Zone-11 N4101233 E287697	Range: 24E
Radius: 3/5 mile	Section: 30
Elevation:	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

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

Occurrence No. 41	Map Index: 38698	EO Index: 33705	Dates Last Seen
Occ Rank: Excellent			Element: 1991-07-06
Origin: Natural/Native occurrence			Site: 1991-07-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WINTER, R. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.09526° / -119.34300°	Township: 10S
UTM: Zone-11 N4108008 E291773	Range: 24E
Area: 12.6 ac	Section: 03
Elevation: 4,500 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

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

Occurrence No. 42	Map Index: 38689	EO Index: 33696	Dates Last Seen
Occ Rank: Good			Element: 1995-06-19
Origin: Natural/Native occurrence			Site: 1995-06-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: GALLAGHER, K. & S. SOTH 1995 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.02467° / -119.34236°	Township: 10S
UTM: Zone-11 N4100174 E291637	Range: 24E
Area: 14.9 ac	Section: 27
Elevation: 3,400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 43	Map Index: 38691	EO Index: 33698	Dates Last Seen
Occ Rank: Good			Element: 1990-05-29
Origin: Natural/Native occurrence			Site: 1990-05-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: STEBBINS, J. 1990 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.07493° / -119.30140°	UTM: Zone-11 N4105662 E295416	Township: 10S	Range: 24E
Radius: 80 meters	Elevation: 5,800 ft	Mapping Precision: SPECIFIC	Section: 12
	Symbol Type: POINT	Meridian: M	Qtr: NE

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

Occurrence No. 44	Map Index: 38695	EO Index: 33702	Dates Last Seen
Occ Rank: Excellent			Element: 1991-05-15
Origin: Natural/Native occurrence			Site: 1991-05-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.05855° / -119.29948°	UTM: Zone-11 N4103841 E295543	Township: 10S	Range: 24E
Area: 9.1 ac	Elevation: 4,800 ft	Mapping Precision: SPECIFIC	Section: 13
	Symbol Type: POLYGON	Meridian: M	Qtr: SE

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

Occurrence No. 45	Map Index: 38699	EO Index: 33706	Dates Last Seen
Occ Rank: Good			Element: 1991-05-15
Origin: Natural/Native occurrence			Site: 1991-05-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.05242° / -119.29518°	UTM: Zone-11 N4103151 E295909	Township: 10S	Range: 25E
Area: 4.0 ac	Elevation: 4,700 ft	Mapping Precision: SPECIFIC	Section: 19
	Symbol Type: POLYGON	Meridian: M	Qtr: NW

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 46	Map Index: 38700	EO Index: 33707	Dates Last Seen
Occ Rank: Fair			Element: 1991-05-15
Origin: Natural/Native occurrence			Site: 1991-05-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.05602° / -119.28424°	UTM: Zone-11 N4103527 E296891	Area: 13.4 ac	Elevation: 5,100 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 18	Qtr: SE	Meridian: 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

Occurrence No. 47	Map Index: 38702	EO Index: 33709	Dates Last Seen
Occ Rank: Good			Element: 1991-05-21
Origin: Natural/Native occurrence			Site: 1991-05-21
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.04870° / -119.27558°	UTM: Zone-11 N4102696 E297642	Area: 15.6 ac	Elevation: 4,900 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 20	Qtr: NW	Meridian: 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

Occurrence No. 48	Map Index: 38703	EO Index: 33710	Dates Last Seen
Occ Rank: Fair			Element: 1991-05-21
Origin: Natural/Native occurrence			Site: 1991-05-21
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-05
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.04490° / -119.28290°	UTM: Zone-11 N4102290 E296981	Area: 23.7 ac	Elevation: 4,850 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 19	Qtr: NE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 49	Map Index: 38708	EO Index: 33715	Dates Last Seen
Occ Rank: Fair			Element: 1995-06-11
Origin: Natural/Native occurrence			Site: 1995-06-11
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: BROWN, N. & K. GALLAGER 1995 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.03877° / -119.28039°	Township: 10S
UTM: Zone-11 N4101605 E297188	Range: 25E
Area: 38.6 ac	Section: 30
Elevation: 4,450 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: 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

Occurrence No. 50	Map Index: 38709	EO Index: 33716	Dates Last Seen
Occ Rank: Good			Element: 1991-05-07
Origin: Natural/Native occurrence			Site: 1991-05-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: WILSON, S. & J. CLINES 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.02956° / -119.27820°	Township: 10S
UTM: Zone-11 N4100578 E297358	Range: 25E
Area: 46.8 ac	Section: 30
Elevation: 4,275 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: E
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 51	Map Index: 38711	EO Index: 33718	Dates Last Seen
Occ Rank: Good			Element: 1991-05-07
Origin: Natural/Native occurrence			Site: 1991-05-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: WILSON, S. & J. CLINES 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.03022° / -119.29293°	Township: 10S
UTM: Zone-11 N4100683 E296049	Range: 25E
Area: 3.7 ac	Section: 30
Elevation: 4,600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: 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

Occurrence No. 52	Map Index: 22758	EO Index: 33719	Dates Last Seen
Occ Rank: Good			Element: 1991-05-07
Origin: Natural/Native occurrence			Site: 1991-05-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: WILSON, S. 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.02452° / -119.28839°	Township: 10S
UTM: Zone-11 N4100041 E296438	Range: 25E
Area: 9.6 ac	Section: 30
Elevation: 4,400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 53	Map Index: 38714	EO Index: 33721	Dates Last Seen
Occ Rank: Good			Element: 1997-05-10
Origin: Natural/Native occurrence			Site: 1997-05-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: CLINES, J. 1997 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.02352° / -119.27853°	Township: 10S
UTM: Zone-11 N4099909 E297313	Range: 25E
Area: 4.7 ac	Section: 31
Elevation: 4,100 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: 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

Occurrence No. 54	Map Index: 38715	EO Index: 33722	Dates Last Seen
Occ Rank: Good			Element: 1997-05-10
Origin: Natural/Native occurrence			Site: 1997-05-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: CLINES, J. 1997 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.01340° / -119.25941°	Township: 10S
UTM: Zone-11 N4098745 E298987	Range: 25E
Area: 12.4 ac	Section: 33
Elevation: 3,600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 55	Map Index: 38716	EO Index: 33723	Dates Last Seen
Occ Rank: Good			Element: 1991-05-28
Origin: Natural/Native occurrence			Site: 1991-05-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-06
Main Source: WILSON, S. & E. LISKEY 1991 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.03840° / -119.25770°	UTM: Zone-11 N4101515 E299205	Area: 10.1 ac	Elevation: 3,600 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 28	Qtr: NW	Meridian: 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

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

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

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

Occurrence No. 57	Map Index: 38730	EO Index: 33737	Dates Last Seen
Occ Rank: Good			Element: 1991-05-22
Origin: Natural/Native occurrence			Site: 1991-05-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-07
Main Source: CLINES, J. 1990 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.08161° / -119.26140°	UTM: Zone-11 N4106318 E298990	Area: 23.4 ac	Elevation: 4,600 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 25E	Section: 08	Qtr: NE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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

Occurrence No. 64	Map Index: 49170	EO Index: 49170	Dates Last Seen
Occ Rank: Unknown			Element: 1980-09-XX
Origin: Natural/Native occurrence			Site: 1980-09-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-29
Main Source: HAMON, D. 1980 (MAP)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.11603° / -119.36621°	Township: 09S
UTM: Zone-11 N4110364 E289767	Range: 24E
Area: 10.7 ac	Section: 28
Elevation: 3,250 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 19	Map Index: 15568	EO Index: 28461	Dates Last Seen
Occ Rank: Unknown			Element: 1970-XX-XX
Origin: Natural/Native occurrence			Site: 1970-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: MOYLE, P. 1972 (PERS)			

Quad Summary: SHAVER LAKE (3711913/397D)
County Summary: FRESNO

Lat/Long: 37.03382° / -119.28984°	Township: 10S
UTM: Zone-11 N4101076 E296334	Range: 25E
Radius: 1 mile	Section: 30
Elevation: 4,320 ft	Meridian: M
	Qtr: NW
Mapping Precision: NON-SPECIFIC	
Symbol Type: 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

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. 45	Map Index: 43000	EO Index: 43000	Dates Last Seen
Occ Rank: Excellent			Element: 1999-08-29
Origin: Natural/Native occurrence			Site: 1999-08-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-05-23
Main Source: BYRD, S. 1999 (OBS)			

Quad Summary: SHAVER LAKE (3711913/397D)

County Summary: FRESNO

Lat/Long: 37.10030° / -119.29232°	Township: 09S
UTM: Zone-11 N4108458 E296291	Range: 25E
Radius: 1/5 mile	Section: 31
Elevation: 5,500 ft	Qtr: SW
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 3	Map Index: 15539	EO Index: 23755	Dates Last Seen
Occ Rank: Unknown			Element: 1965-04-02
Origin: Natural/Native occurrence			Site: 1965-04-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: SCHEMPF, P. & M. WHITE 1977 (LIT)			

Quad Summary: SHAVER LAKE (3711913/397D), MUSICK MTN. (3711923/397A)

County Summary: FRESNO

Lat/Long: 37.13355° / -119.31707°	Township: 09S
UTM: Zone-11 N4112200 E294182	Range: 24E
Radius: 1 mile	Section: 23
Elevation: 5,400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: E
Symbol Type: POINT	

Location: SHAVER LAKE HEAR ROCK HAVEN (N OF SHAVER LAKE HEIGHTS ON RT 168)

Ecological: PINE-DOUGLAS FIR-ABIES FOREST.

Owner/Manager: UNKNOWN

Calyptridium pulchellum

Mariposa pussypaws

Element Code: PDPOR09060

_____ **Status** _____

_____ **NDDDB Element Ranks** _____

_____ **Other Lists** _____

Federal: Threatened

Global: G1

CNPS List: 1B

State: None

State: S1.1

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

Element: 1995-06-12

Origin: Natural/Native occurrence

Site: 1995-06-12

Presence: Presumed Extant

Trend: Fluctuating

Record Last Updated: 1997-08-27

Main Source: HAMON, D. 1980 (OBS)

Quad Summary: AUBERRY (3711914/397C)

County Summary: FRESNO

Lat/Long: 37.11151° / -119.40305°

Township: 09S

UTM: Zone-11 N4109945 E286481

Range: 24E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 30

Qtr: SW

Elevation: 3,400 ft

Symbol Type: POINT

Meridian: M

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: AUBERRY (3711914/397C)

County Summary: FRESNO

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

<p>_____ Status _____</p> <p>Federal: None State: None</p>	<p>NDDB Element Ranks</p> <p>Global: G? State: S?</p>	<p>_____ Other Lists _____</p>
<p>_____ Habitat Associations _____</p> <p>General: Micro:</p>		

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	Section: 28 Qtr: XX
Elevation: 1,200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 124	Map Index: 33166	EO Index: 20288	Dates Last Seen
Occ Rank: Good			Element: 1995-05-04
Origin: Natural/Native occurrence			Site: 1995-05-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-05-24
Main Source: YOTK, D. & W. PHILPOTT 1995 (OBS)			

Quad Summary: AUBERRY (3711914/397C)

County Summary: FRESNO

Lat/Long: 37.05626° / -119.44733°	Township: 10S
UTM: Zone-11 N4103915 E282388	Range: 23E
Radius: 80 meters	Section: 15
Elevation: 2,200 ft	Meridian: M
	Qtr: SE

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	Section: 29
Elevation: 1,845 ft	Qtr: NE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

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	Section: XX
Elevation: 2,000 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

Lupinus citrinus var. citrinus

orange lupine

Element Code: PDFAB2B103

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.06359° / -119.40688°	UTM: Zone-11 N4104636 E286006	Area: 72.7 ac	Elevation: 4,640 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 23E	Section: 13	Qtr: N	Meridian: 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

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

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

Lat/Long: 37.07638° / -119.41329°	UTM: Zone-11 N4106070 E285472	Area: 14.7 ac	Elevation: 4,450 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 23E	Section: 12	Qtr: NW	Meridian: 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

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

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

Lat/Long: 37.11025° / -119.37630°	UTM: Zone-11 N4109745 E288855	Area: 5.1 ac	Elevation: 3,200 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 24E	Section: 32	Qtr: NW	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.08154° / -119.38686°	Township: 10S
UTM: Zone-11 N4106583 E287836	Range: 24E
Area: 22.6 ac	Section: 07
Elevation: 3,700 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

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

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

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

Lat/Long: 37.06599° / -119.38401°	Township: 10S
UTM: Zone-11 N4104851 E288046	Range: 24E
Area: 42.9 ac	Section: 17
Elevation: 3,960 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.03332° / -119.38691°	UTM: Zone-11 N4101233 E287697	Radius: 3/5 mile	Elevation:	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 10S	Range: 24E	Section: 30	Qtr: XX	Meridian: 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

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

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

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

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

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

Lat/Long: 37.10439° / -119.39817°	UTM: Zone-11 N4109144 E286895	Radius: 80 meters	Elevation: 3,320 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 09S	Range: 24E	Section: 31	Qtr: NW	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.09849° / -119.40331°	UTM: Zone-11 N4108501 E286421	Area: 3.1 ac	Elevation: 3,450 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 24E	Section: 31	Qtr: SW	Meridian: 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

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

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

Lat/Long: 37.08974° / -119.39283°	UTM: Zone-11 N4107506 E287328	Radius: 80 meters	Elevation: 3,600 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 10S	Range: 24E	Section: 06	Qtr: NE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.10697° / -119.43013°	UTM: Zone-11 N4109503 E284062	Area: 5.6 ac	Elevation: 5,020 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 23E	Section: 35	Qtr: N	Meridian: 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

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

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

Lat/Long: 37.10161° / -119.42609°	UTM: Zone-11 N4108898 E284406	Area: 2.7 ac	Elevation: 4,500 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 23E	Section: 35	Qtr: SE	Meridian: 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

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

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

Lat/Long: 37.03749° / -119.49455°	UTM: Zone-11 N4101941 E278134	Radius: 80 meters	Elevation: 1,800 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 10S	Range: 23E	Section: 30	Qtr: NE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.02230° / -119.46959°	UTM: Zone-11 N4100198 E280310	Area: 4.1 ac	Elevation: 2,060 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 23E	Section: 33	Qtr: NW	Meridian: 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

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

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

Lat/Long: 37.03377° / -119.41358°	UTM: Zone-11 N4101343 E285326	Area: 7.7 ac	Elevation: 2,450 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 10S	Range: 23E	Section: 25	Qtr: NW	Meridian: 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

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

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

Lat/Long: 37.10955° / -119.38312°	UTM: Zone-11 N4109683 E288247	Area: 2.9 ac	Elevation: 3,400 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 24E	Section: 32	Qtr: NW	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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:

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

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	Section: 15
Elevation: 2,000 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POINT	

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

Aquila chrysaetos

golden eagle

Element Code: ABNKC22010

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.04275° / -119.59126°	Township: 10S
UTM: Zone-11 N4102755 E269547	Range: 22E
Area: 10.4 ac	Section: 20
Elevation: 1,960 ft	Qtr: SW
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

Occurrence No. 34	Map Index: 25496	EO Index: 5869	Dates Last Seen
Occ Rank: Excellent			Element: 2002-04-17
Origin: Natural/Native occurrence			Site: 2002-04-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-08-06
Main Source: MCCRARY, M. 2002 (OBS)			

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

Lat/Long: 37.09859° / -119.58328°	Township: 09S
UTM: Zone-11 N4108932 E270425	Range: 22E
Area: 2.5 ac	Section: 33
Elevation: 2,300 ft	Qtr: SW
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 35	Map Index: 15071	EO Index: 5870	Dates Last Seen
Occ Rank: Excellent			Element: 1995-04-26
Origin: Natural/Native occurrence			Site: 1995-04-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-20
Main Source: PRENDUSI, T. 1990 (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	Section: 29
Elevation: 1,900 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: 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

Occurrence No. 42	Map Index: 29050	EO Index: 21170	Dates Last Seen
Occ Rank: Good			Element: 1993-04-15
Origin: Natural/Native occurrence			Site: 1993-04-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-21
Main Source: FRANKLIN, A. 1993 (OBS)			

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

Lat/Long: 37.02676° / -119.60140°	Township: 10S
UTM: Zone-11 N4101005 E268596	Range: 22E
Area: 16.9 ac	Section: 29
Elevation: 1,800 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: 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: PDAP10Z0Y0

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 31	Map Index: 50758	EO Index: 50758	Dates Last Seen
Occ Rank: Unknown			Element: 1994-06-06
Origin: Natural/Native occurrence			Site: 1994-06-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-03-26
Main Source: FRANKLIN SN UC #1605293 (HERB)			

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

County Summary: FRESNO

Lat/Long: 37.03206° / -119.57444°	Township: 10S
UTM: Zone-11 N4101528 E271011	Range: 22E
Area: 648.6 ac	Section: 28
Elevation: 1,860 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 15	Map Index: 33089	EO Index: 13888	Dates Last Seen
Occ Rank: Fair			Element: 1994-12-23
Origin: Natural/Native occurrence			Site: 1994-12-23
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-12-07
Main Source: PHILPOTT, W. & D. YORK 1994 (OBS)			

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

Lat/Long: 37.00416° / -119.60099°	Township: 11S
UTM: Zone-11 N4098497 E268564	Range: 22E
Radius: 1/5 mile	Section: 05 Qtr: NW
Elevation: 1,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
Symbol Type: 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
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:	Section:	Qtr:
	Elevation:	Mapping Precision:	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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 4	Map Index: 15037	EO Index: 2141	Dates Last Seen
Occ Rank: Unknown			Element: 1961-04-29
Origin: Natural/Native occurrence			Site: 1961-04-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-06-15
Main Source: BACIGALUPI, R. 1977 (PERS)			

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

Lat/Long: 37.11941° / -119.60002°	UTM: Zone-11 N4111283 E269000	Area: 12.1 ac	Elevation: 2,475 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 22E	Section: 29	Qtr: W	Meridian: 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

Occurrence No. 5	Map Index: 15060	EO Index: 17784	Dates Last Seen
Occ Rank: Unknown			Element: 198X-XX-XX
Origin: Natural/Native occurrence			Site: 198X-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: HAMON, D. ND (OBS)			

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

Lat/Long: 37.04217° / -119.58819°	UTM: Zone-11 N4102683 E269818	Radius: 1/5 mile	Elevation: 1,980 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 10S	Range: 22E	Section: 20	Qtr: SE	Meridian: 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

Occurrence No. 13	Map Index: 15038	EO Index: 17777	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: 1989-08-11
Main Source: HANSEN, R. 1986 (LIT)			

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

Lat/Long: 37.02550° / -119.59708°	UTM: Zone-11 N4100855 E268977	Radius: 1/5 mile	Elevation: 1,800 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 10S	Range: 22E	Section: 29	Qtr: SW	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 14	Map Index: 15071	EO Index: 7470	Dates Last Seen
Occ Rank: Fair			Element: 1990-06-15
Origin: Natural/Native occurrence			Site: 1990-06-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-09-02
Main Source: HANSEN, R. 1986 (LIT)			

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	Section: 29
Elevation: 1,900 ft	Qtr: SE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

Occurrence No. 80	Map Index: 37853	EO Index: 32860	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: 1998-01-07
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	Section: 20
Elevation: 1,980 ft	Qtr: NW
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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
 Federal: Endangered
 State: None

NDDB Element Ranks
 Global: G2G3
 State: S2S3

Other Lists
 CDFG Status:

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 115	Map Index: 33343	EO Index: 590	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: 1996-03-08
Main Source: TRAYLER, B. & B. TSUKIMURA 1995 (OBS)			

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

County Summary: FRESNO

Lat/Long: 37.04312° / -119.59225°	Township: 10S
UTM: Zone-11 N4102799 E269460	Range: 22E
Radius: 80 meters	Section: 20
Elevation: 1,940 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: 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

Status _____ **NDDB Element Ranks** _____ **Other Lists** _____
 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:

Occurrence No. 1 **Map Index:** 15041 **EO Index:** 19921 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1980-04-27
Origin: Natural/Native occurrence **Site:** 1980-04-27
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1996-03-06
Main Source: PINTO, J. 1980 (PERS)

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, 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

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

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

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

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

Status		NDDB Element Ranks		Other Lists	
Federal:	None	Global:	G3		
State:	None	State:	S2.2		
Habitat Associations					
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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 47	Map Index: 15071	EO Index: 7471	Dates Last Seen
Occ Rank: Good			Element: 1997-04-26
Origin: Natural/Native occurrence			Site: 1997-04-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-29
Main Source: BIOSYSTEMS ANALYSIS 1988 (LIT)			

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	Section: 29
Elevation: 1,900 ft	Qtr: SE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

Occurrence No. 55	Map Index: 15037	EO Index: 30592	Dates Last Seen
Occ Rank: Excellent			Element: 1995-09-03
Origin: Natural/Native occurrence			Site: 1995-09-03
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-31
Main Source: STEBBINS, J. & B. TRAYLER 1995 (OBS)			

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

Lat/Long: 37.11941° / -119.60002°	Township: 09S
UTM: Zone-11 N4111283 E269000	Range: 22E
Area: 12.1 ac	Section: 29
Elevation: 2,475 ft	Qtr: W
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: 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

Carpenteria californica

tree-anemone

Element Code: PDHDR04010

Status	NDDDB Element Ranks	Other Lists
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.

Occurrence No. 6	Map Index: 15250	EO Index: 13929	Dates Last Seen
Occ Rank: Fair			Element: 1987-10-03
Origin: Natural/Native occurrence			Site: 1987-10-03
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1991-05-03
Main Source: HAMON, D. 1972 (MAP)			

Quad Summary: NORTH FORK (3711925/398A)
County Summary: FRESNO

Lat/Long: 37.13526° / -119.50875°	Township: 09S
UTM: Zone-11 N4112824 E277157	Range: 23E
Area: 557.0 ac	Section: 19
Elevation: 1,600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: 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

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

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

Lat/Long: 37.16022° / -119.51033° **Township:** 09S
UTM: Zone-11 N4115597 E277090 **Range:** 23E
Area: 82.5 ac **Mapping Precision:**NON-SPECIFIC **Section:** 07 **Qtr:** XX
Elevation: 1,080 ft **Symbol Type:**POLYGON **Meridian:** M

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 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

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 187	Map Index: 44676	EO Index: 44676	Dates Last Seen
Occ Rank: Good			Element: 2000-11-28
Origin: Natural/Native occurrence			Site: 2000-11-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-01-02
Main Source: PERKINS, D. 2000 (OBS)			

Quad Summary: NORTH FORK (3711925/398A)

County Summary: MADERA

Lat/Long: 37.22380° / -119.51280°	Township: 08S
UTM: Zone-11 N4122658 E277058	Range: 22E
Radius: 1/10 mile	Section: 24
Elevation: 2,800 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: 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	
State: None	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.

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	Section: 12
Elevation: 1,000 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

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	Section: XX
Elevation: 1,000 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 17	Map Index: 15008	EO Index: 28463	Dates Last Seen
Occ Rank: Unknown			Element: 1970-XX-XX
Origin: Natural/Native occurrence			Site: 1970-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-10-27
Main Source: MOYLE, P. 1972 (PERS)			

Quad Summary: NORTH FORK (3711925/398A), O'NEALS (3711926/398B)
County Summary: MADERA

Lat/Long: 37.19771° / -119.61042°	Township: 08S
UTM: Zone-11 N4119997 E268316	Range: 22E
Radius: 1 mile	Section: 31
Elevation: 1,320 ft	Qtr: NW
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: 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

Occurrence No. 25	Map Index: 15269	EO Index: 28455	Dates Last Seen
Occ Rank: Unknown			Element: 1970-XX-XX
Origin: Natural/Native occurrence			Site: 1970-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: 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

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

Carex praticola			Element Code: PMCYP03B20		
meadow sedge					
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
Elevation: 3,400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

Lat/Long: 37.16167° / -119.49353°	UTM: Zone-11 N4115718 E278587	Area: 230.2 ac	Elevation: 2,500 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 09S	Range: 23E	Section: 08	Qtr: SW	Meridian: 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

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

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

Lat/Long: 37.17215° / -119.48096°	UTM: Zone-11 N4116852 E279734	Radius: 80 meters	Elevation: 1,800 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 09S	Range: 23E	Section: 05	Qtr: SE	Meridian: 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	Global: G?	
State: None	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	Section: 28
Elevation: 1,200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

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 _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G?	
State: None	State: S?	

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.19993° / -119.47236°	UTM: Zone-11 N4119914 E280578	Radius: 1/5 mile	Elevation: 2,560 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 08S	Range: 23E	Section: 28	Qtr: SW	Meridian: 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

Occurrence No. 18	Map Index: 15481	EO Index: 12322	Dates Last Seen
Occ Rank: Good			Element: 1991-06-04
Origin: Natural/Native occurrence			Site: 1991-06-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-02-23
Main Source: 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

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

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

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

Lat/Long: 37.24693° / -119.42750°	UTM: Zone-11 N4125027 E284693	Area: 67.5 ac	Elevation: 5,900 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 08S	Range: 23E	Section: 11	Qtr: SE	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: CASCADEL POINT (3711924/397B)

County Summary: MADERA

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

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. 45 Map Index: 32801 EO Index: 26856 Dates Last Seen: _____
 Occ Rank: Fair Element: 1993-07-20
 Origin: Natural/Native occurrence Site: 1993-07-20
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1996-02-14
 Main Source: REPLOGLE, R. 1993 (OBS)

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

Lat/Long: 37.14881° / -119.40067° Township: 09S
 UTM: Zone-11 N4114079 E286797 Range: 24E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 18 Qtr: NW
 Elevation: 1,403 ft Symbol Type: POINT Meridian: M

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: CASCADEL POINT (3711924/397B)

County Summary: FRESNO

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

Status _____ **NDDB Element Ranks** _____ **Other Lists** _____
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.

Occurrence No. 25 **Map Index:** 15269 **EO Index:** 28455 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1970-XX-XX
Origin: Natural/Native occurrence **Site:** 1970-XX-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1989-08-10
Main Source: 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

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
Federal: None State: Endangered	Global: G5 State: S1	CDFG Status:

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
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:	Mapping Precision:	Township:
	UTM:		Range:
	Radius:	Symbol Type:	Section:
	Elevation:		Meridian:
			Qtr:

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:

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	Section: 09
Elevation: 7,280 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No.: 18	Map Index: 15481	EO Index: 12322	Dates Last Seen
Occ Rank: Good			Element: 1991-06-04
Origin: Natural/Native occurrence			Site: 1991-06-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-02-23
Main Source: 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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 25	Map Index: 15473	EO Index: 19209	Dates Last Seen
Occ Rank: Unknown			Element: 1980-06-01
Origin: Natural/Native occurrence			Site: 1980-06-01
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 2002-10-28
Main Source: HAMON, D. 1979 (OBS)			

Quad Summary: MUSICK MTN. (3711923/397A)

County Summary: FRESNO

Lat/Long: 37.14961° / -119.36348°	Township: 09S
UTM: Zone-11 N4114084 E290103	Range: 24E
Area: 7.2 ac	Section: 16
Elevation: 4,000 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 442	Map Index: 50221	EO Index: 50221	Dates Last Seen
Occ Rank: Unknown			Element: 1989-09-XX
Origin: Natural/Native occurrence			Site: 1989-09-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-02-18
Main Source: BRICKEY, A. ND (OBS)			

Quad Summary: MUSICK MTN. (3711923/397A)

County Summary: FRESNO

Lat/Long: 37.17633° / -119.28685°	Township: 09S
UTM: Zone-11 N4116882 E296981	Range: 25E
Radius: 3/5 mile	Section: 06
Elevation: 5,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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	Section: 26
Elevation: 2,387 ft	Qtr: SE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

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	Section: 22
Elevation: 2,321 ft	Qtr: SE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

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	Section: 13
Elevation: 5,300 ft	Qtr: SW
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

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

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.: 13	Map Index: 52413	EO Index: 52413	Dates Last Seen _____
Occ Rank: Unknown			Element: 2002-08-06
Origin: Natural/Native occurrence			Site: 2002-08-06
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: 37.18655° / -119.34318°	Township: 08S
UTM: Zone-11 N4118139 E292006	Range: 24E
Radius: 80 meters	Section: 34 Qtr: SW
Elevation: 2,600 ft	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

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

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	Section: 17
Elevation: 7,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

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. 3	Map Index: 15539	EO Index: 23755	Dates Last Seen
Occ Rank: Unknown			Element: 1965-04-02
Origin: Natural/Native occurrence			Site: 1965-04-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: SCHEMPF, P. & M. WHITE 1977 (LIT)			

Quad Summary: SHAVER LAKE (3711913/397D), MUSICK MTN. (3711923/397A)

County Summary: FRESNO

Lat/Long: 37.13355° / -119.31707°	Township: 09S
UTM: Zone-11 N4112200 E294182	Range: 24E
Radius: 1 mile	Section: 23
Elevation: 5,400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: E
Symbol Type: POINT	

Location: SHAVER LAKE HEAR ROCK HAVEN (N OF SHAVER LAKE HEIGHTS ON RT 168)

Ecological: PINE-DOUGLAS FIR-ABIES FOREST.

Owner/manager: UNKNOWN

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	Section: 09
Elevation: 7,280 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

Epilobium howellii

subalpine fireweed

Element Code: PDONA06180

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 3	Map Index: 31123	EO Index: 3425	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: 1995-04-28
Main Source: HOCH, P. 1992 (LIT)			

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

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

Status	NDDB Element Ranks	Other Lists
Federal: Species of Concern State: None	Global: G1? State: S1?	CNPS List: 1B 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.

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

Lat/Long: 37.22039° / -119.17429°	Township: 08S
UTM: Zone-11 N4121536 E307087	Range: 26E
Radius: 1/5 mile	Section: 19 Qtr: SW
Elevation: 7,780 ft	Meridian: M

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

Lat/Long: 37.22184° / -119.17462°	UTM: Zone-11 N4121697 E307061	Area: 115.2 ac	Elevation: 7,780 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 08S	Range: 26E	Section: 19	Qtr: SW	Meridian: 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

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

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

Lat/Long: 37.23235° / -119.16228°	UTM: Zone-11 N4122838 E308183	Area: 26.3 ac	Elevation: 7,300 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 08S	Range: 26E	Section: 17	Qtr: SW	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

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

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

Habitat Associations

General:

Micro:

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

Quad Summary: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

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

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. 8	Map Index: 52406	EO Index: 52406	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: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

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

Occurrence No. 9	Map Index: 52408	EO Index: 52408	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: 2003-09-22
Main Source: HEADY, P. 2002 (OBS)			

Quad Summary: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

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

Status

NDDB Element Ranks

Other Lists

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.

Occurrence No. 2

Map Index: 15730

EO Index: 14878

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: GERSTUNG, E. 1985 (LIT)

Quad Summary: HUNTINGTON LAKE (3711922/396B)

County Summary: FRESNO

Lat/Long: 37.14302° / -119.14221°

Township: 09S

UTM: Zone-11 N4112886 E309739

Range: 26E

Area: 105.0 ac

Mapping Precision: SPECIFIC

Section: 16

Qtr: S

Elevation: 8,000 ft

Symbol Type: POLYGON

Meridian: M

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

Status	NDDB Element Ranks	Other Lists
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.

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)			

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

County Summary: FRESNO

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

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	Section: 17
Elevation: 7,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

Bufo canorus

Yosemite toad

Element Code: AAABB01040

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

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

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.23377° / -119.05091°	Township: 08S
UTM: Zone-11 N4122776 E318067	Range: 27E
Area: 22.7 ac	Section: 18
Elevation: 8,980 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: 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 Qtr: N
Elevation: 9,240 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
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

Status	NDDB Element Ranks	Other Lists
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.

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

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
Elevation: 7,000 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
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

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: FLORENCE LAKE (3711838/415C)

County Summary: FRESNO

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

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. 7	Map Index: 52405	EO Index: 52405	Dates Last Seen
Occ Rank: Unknown			Element: 2002-08-08
Origin: Natural/Native occurrence			Site: 2002-08-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-09-10
Main Source: HEADY, P. 2002 (OBS)			

Quad Summary: FLORENCE LAKE (3711838/415C)

County Summary: FRESNO

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

Location: BEAR CREEK DIVERSION DAM, SIERRA NATIONAL FOREST

General: 1 ADULT MALE CAPTURED ON 8 AUG 2002 DURING MIST-NESTING.

Owner/Manager: USFS-SIERRA NF

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. 2	Map Index: 00104	EO Index: 23760	Dates Last Seen
Occ Rank: Unknown			Element: 1971-XX-XX
Origin: Natural/Native occurrence			Site: 1971-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-01-14
Main Source: SCHEMPF, P. & M. WHITE 1977 (LIT)			

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

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

Camissonia sierrae ssp. alticola

Mono Hot Springs evening-primrose

Element Code: PDONA031H1

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Occurrence No. 5	Map Index: 00144	EO Index: 3391	Dates Last Seen
Occ Rank: Good			Element: 1990-06-08
Origin: Natural/Native occurrence			Site: 1990-06-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-04-28
Main Source: CLINES, J. & S. WILSON 1990 (OBS)			

Quad Summary: WARD MOUNTAIN (3711828/395B)
County Summary: FRESNO

Lat/Long: 37.24692° / -118.93159°	UTM: Zone-11 N4124013 E328683	Area: 56.7 ac	Elevation: 7,600 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 08S	Range: 28E	Section: 17	Qtr: N
						Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 7	Map Index: 21486	EO Index: 20446	Dates Last Seen
Occ Rank: Unknown			Element: 1952-07-19
Origin: Natural/Native occurrence			Site: 1952-07-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1992-10-27
Main Source: RAVEN, P. #4552 CAS (HERB)			

Quad Summary: WARD MOUNTAIN (3711828/395B)

County Summary: FRESNO

Lat/Long: 37.23695° / -118.88191°	Township: 08S
UTM: Zone-11 N4122817 E333067	Range: 28E
Area: 117.9 ac	Section: 14
Elevation: 7,680 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

Lat/Long: 37.25882° / -118.94512°	Township: 08S
UTM: Zone-11 N4125357 E327510	Range: 28E
Radius: 1 mile	Section: 07 Qtr: NE
Elevation: 7,400 ft	Meridian: M

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

Lat/Long: 37.25903° / -119.35124°	Township: 08S
UTM: Zone-11 N4126199 E291491	Range: 24E
Area: 77.7 ac	Section: 04
Elevation: 4,500 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: S
Symbol Type: POLYGON	

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

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

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

Lat/Long: 37.33825° / -119.34450°	Township: 07S
UTM: Zone-11 N4134974 E292308	Range: 24E
Area: 46.3 ac	Section: 10
Elevation: 3,600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

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

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

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

Lat/Long: 37.30596° / -119.38428°	Township: 07S
UTM: Zone-11 N4131480 E288693	Range: 24E
Area: 640.6 ac	Section: XX
Elevation: 4,300 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No.: 18	Map Index: 15481	EO Index: 12322	Dates Last Seen
Occ Rank: Good			Element: 1991-06-04
Origin: Natural/Native occurrence			Site: 1991-06-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-02-23
Main Source: 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

Lat/Long: 37.24031° / -119.36255°	Township: 08S
UTM: Zone-11 N4124146 E290437	Range: 24E
Area: 423.7 ac	Section: 16
Elevation: 4,200 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: 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. 99	Map Index: 32899	EO Index: 605	Dates Last Seen
Occ Rank: Excellent			Element: 1993-08-02
Origin: Natural/Native occurrence			Site: 1993-08-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-27
Main Source: ASHBY, C. 1993 (OBS)			

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

County Summary: MADERA

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

Lat/Long: 37.26892° / -119.28504°	Township: 07S
UTM: Zone-11 N4127152 E297389	Range: 25E
Area: 44.1 ac	Section: 31
Elevation: 6,300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: 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	Section: 17
Elevation: 7,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

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. 11	Map Index: 15426	EO Index: 23758	Dates Last Seen
Occ Rank: Unknown			Element: 1973-06-14
Origin: Natural/Native occurrence			Site: 1973-06-14
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: 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

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

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

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

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

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

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. 211	Map Index: 00051	EO Index: 26597	Dates Last Seen _____
Occ Rank: Unknown			Element: 1982-07-20
Origin: Natural/Native occurrence			Site: 1982-07-20
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: DEPT OF FISH & GAME 1984 (PERS)			

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

County Summary: FRESNO

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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. 6	Map Index: 00149	EO Index: 18872	Dates Last Seen
Occ Rank: Unknown			Element: 1953-07-10
Origin: Natural/Native occurrence			Site: 1953-07-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: QUIBELL, C. #2670 FSC (HERB)			

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

Lat/Long: 37.41271° / -118.92317°	Township: 99X
UTM: Zone-11 N4142392 E329804	Range: 99X
Radius: 1 mile	Section: XX
Elevation: 7,700 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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	Section: XX Qtr: XX
Elevation: 10,600 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

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

Quad Summary: GRAVEYARD PEAK (3711848/415B)

County Summary: FRESNO

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

Haliaeetus leucocephalus

bald eagle

Element Code: ABNKC10010

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO

Lat/Long: 37.38195° / -119.00182°	Township: 06S
UTM: Zone-11 N4139125 E322770	Range: 27E
Area: 16.1 ac	Section: 35
Elevation: 7,800 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: 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	Section: XX Qtr: XX
Elevation: 9,840 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
Symbol Type: POLYGON	

Location: SHARKTOOTH LAKE AND SHARKTOOTH CREEK.

Location Detail: NO PAIUTE CUTHROAT 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

Bufo canorus

Yosemite toad

Element Code: AAABB01040

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 3	Map Index: 31123	EO Index: 3425	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: 1995-04-28
Main Source: HOCH, P. 1992 (LIT)			

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

County Summary: FRESNO

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

Rana muscosa

mountain yellow-legged frog

Element Code: AAABH01140

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

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

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

Lat/Long: 37.29660° / -119.18888°	UTM: Zone-11 N4130022 E305988	Radius: 2/5 mile	Elevation: 9,500 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 07S	Range: 25E	Section: 25	Qtr: XX	Meridian: 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

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)			

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

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

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	Section: 09
Elevation: 7,280 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

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	Section: 17
Elevation: 7,500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: 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

Bufo canorus

Yosemite toad

Element Code: AAABB01040

Status	NDDDB Element Ranks	Other Lists
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.

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

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

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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 22	Map Index: 44197	EO Index: 44197	Dates Last Seen
Occ Rank: Unknown			Element: 1965-07-04
Origin: Natural/Native occurrence			Site: 1965-07-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-01-24
Main Source: CAS HERPETOLOGICAL HOLDINGS 2000 (MUS)			

Quad Summary: MT. GIVENS (3711931/416D)
County Summary: FRESNO

Lat/Long: 37.29455° / -119.10170°	UTM: Zone-11 N4129619 E313711	Radius: 2/5 mile	Elevation: 9,000 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 07S	Range: 26E	Section: 26	Qtr: XX	Meridian: 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

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

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

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

Occurrence No. 36	Map Index: 44793	EO Index: 44793	Dates Last Seen
Occ Rank: Unknown			Element: 1953-07-20
Origin: Natural/Native occurrence			Site: 1953-07-20
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-01-24
Main Source: MUSEUM OF VERTEBRATE ZOOLOGY 2001 (MUS)			

Quad Summary: MT. GIVENS (3711931/416D)
County Summary: FRESNO

Lat/Long: 37.29538° / -119.11309°	UTM: Zone-11 N4129734 E312703	Radius: 1/5 mile	Elevation: 9,200 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 07S	Range: 26E	Section: 27	Qtr: XX	Meridian: 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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 2	Map Index: 31124	EO Index: 3417	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: 1995-03-15
Main Source: HOCH, P. 1992 (LIT)			

Quad Summary: MT. GIVENS (3711931/416D)
County Summary: FRESNO

Lat/Long: 37.30640° / -119.08325°	Township: 17S
UTM: Zone-11 N4130898 E315375	Range: 26E
Radius: 3/5 mile	Section: 24 Qtr: NE
Elevation: 8,200 ft	Meridian: 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

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

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.

Occurrence No. 36	Map Index: 44197	EO Index: 4257	Dates Last Seen
Occ Rank: Unknown			Element: 1974-XX-XX
Origin: Natural/Native occurrence			Site: 1974-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-01-22
Main Source: CASE, S. 1978 (LIT)			

Quad Summary: MT. GIVENS (3711931/416D)
County Summary: FRESNO

Lat/Long: 37.29455° / -119.10170°	UTM: Zone-11 N4129619 E313711	Radius: 2/5 mile	Elevation: 9,000 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 07S	Range: 26E	Section: 26	Qtr: XX	Meridian: 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

Occurrence No. 42	Map Index: 30424	EO Index: 4256	Dates Last Seen
Occ Rank: Unknown			Element: 1992-08-22
Origin: Natural/Native occurrence			Site: 1992-08-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-02-02
Main Source: CANORUS LIMITED 1992 (PERS)			

Quad Summary: MT. GIVENS (3711931/416D)
County Summary: FRESNO

Lat/Long: 37.25856° / -119.05194°	UTM: Zone-11 N4125529 E318035	Radius: 1/5 mile	Elevation: 9,300 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 08S	Range: 27E	Section: 07	Qtr: XX	Meridian: 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

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

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

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

Status	NDDB Element Ranks	Other Lists
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.

Occurrence No. 6	Map Index: 21487	EO Index: 14199	Dates Last Seen
Occ Rank: Unknown			Element: 1953-07-25
Origin: Natural/Native occurrence			Site: 1953-07-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1992-10-13
Main Source: RAVEN P. #5849 UC (HERB)			

Quad Summary: MT. GIVENS (3711931/416D)

County Summary: FRESNO

Lat/Long: 37.32740° / -119.01591°	Township: 07S
UTM: Zone-11 N4133098 E321394	Range: 27E
Radius: 1/5 mile	Section: XX Qtr: XX
Elevation: 6,800 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	
Symbol Type: 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

Lewisia disepala

Yosemite lewisia

Element Code: PDPOR04060

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: MADERA

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

Status	NDDB Element Ranks	Other Lists
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.

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

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

County Summary: FRESNO, MADERA

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

Location: BROWN CONE AREA.

Ecological: HARDWOOD WOODLAND.

Owner/manager: UNKNOWN

Bufo canorus

Yosemite toad

Element Code: AAABB01040

Status _____	NDDDB Element Ranks _____	Other Lists _____
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.

Occurrence No. 10	Map Index: 42806	EO Index: 42806	Dates Last Seen _____
Occ Rank: Unknown			Element: 1999-07-10
Origin: Natural/Native occurrence			Site: 1999-07-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-04-20
Main Source: CAS HERPETOLOGICAL HOLDINGS 2000 (MUS)			

Quad Summary: SQUAW DOME (3711943/417A)
County Summary: MADERA

Lat/Long: 37.49766° / -119.33084°	Township: 05S
UTM: Zone-11 N4152634 E293955	Range: 24E
Radius: 1/10 mile	Section: 15
Elevation: 6,960 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: 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

Status	NDDB Element Ranks	Other Lists
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.

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

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

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

Occurrence No. 18	Map Index: 38762	EO Index: 33769	Dates Last Seen
Occ Rank: Excellent			Element: 1993-05-XX
Origin: Natural/Native occurrence			Site: 1993-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-05-12
Main Source: YORK, D. 1993 (OBS)			

Quad Summary: SQUAW DOME (3711943/417A)
County Summary: MADERA

Lat/Long: 37.48224° / -119.26372°	Township: 05S
UTM: Zone-11 N4150777 E299848	Range: 25E
Radius: 80 meters	Section: 20
Elevation: 7,600 ft	Qtr: NW
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: 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

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. 10	Map Index: 15605	EO Index: 23757	Dates Last Seen
Occ Rank: Unknown			Element: 1964-05-29
Origin: Natural/Native occurrence			Site: 1964-05-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: SCHEMPF, P. & M. WHITE 1977 (LIT)			

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

Lat/Long: 37.40021° / -119.26263°	UTM: Zone-11 N4141673 E299726	Radius: 1 mile	Elevation: 4,700 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 06S	Range: 25E	Section: 17	Qtr: S	Meridian: M
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Location: BROWN CONE AREA.
Ecological: HARDWOOD WOODLAND.

Owner/Manager: UNKNOWN

Occurrence No. 11	Map Index: 15426	EO Index: 23758	Dates Last Seen
Occ Rank: Unknown			Element: 1973-06-14
Origin: Natural/Native occurrence			Site: 1973-06-14
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: 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

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

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

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

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

APPENDIX B

**United States Fish and Wildlife Service List of
Endangered and Threatened Species
(August 2004)**

Placeholder for Appendix B

APPENDIX C

**Facility List for 2004 Botanical Surveys
(Study Area surveyed around each facility/feature
was agreed upon by the Terrestrial Working Group)**

Appendix C. Facilities Surveyed for Special-status Plants, Invasive/Exotic Plants, Native American Plants, and Elderberry Shrubs Lower than 3,000 Feet in Elevation.

Low Elevation (Below 4500 ft.)
Project Power Lines Less Than 33kV, Stevenson 12kV (Shared)
Mammoth Pool Powerhouse, Adit Portals 1 and 2 at Shakeflat Creek
Rock Creek Diversion Piping & Borehole
Mammoth Pool Powerhouse, Rock Trap Flushing Channel
Tunnel Muck Site, Mammoth Pool PH
Project Power Lines Less Than 33kV, Manifold 2.4kV Power Distribution Line
Parking Area near Mammoth Powerhouse Gate
Adit 1, Tunnel 8
Access road from 8S03 to Mammoth Pool penstock
Powerhouse No. 2, Shoofly Piping & Splashgate Structure (Adit 8/Shoofly Diversion)
Angler Access Stairway at Mammoth Powerhouse
Middle Elevation (4500-6600 ft.)
Project Power Lines Less Than 33kV, Cascada 12kV (Shared)
West Portal Incline Rail Line (not in service)
Eagle Point Boat Only Day Use Area
Shaver Lake Fishing Club
Access road to Eagle Point Boat Only Day Use Area (off of 9S58)
Access road to Eastwood Tailrace (off of 9S58)
Access road to trail to Pitman Domestic Water Diversion from Huntington Lake Road
Cabin, Shaver Lake Dam Tenders
High Elevation (Above 6600 ft.)
Huntington-Pitman-Shaver, Vent Valve House
Tunnel Muck Site, Grouse Creek (Not in use)
Gold Arrow camp (Boy Scouts)
Trail to Bear Creek Gage
Portal Surge Chamber access road from Kaiser Pass Road
Hooper Diversion Pool
Sediment Lay-Down Area, Hooper
Sediment Lay-Down Area, Mono
Bear Diversion Pool
Mono Diversion Pool
Roads 8S12 and 8S12A, access road to Huntington-Shaver Siphon from Hwy 168
Road 8S305 from Hwy 168 to 8S12 to 8S12A, access road to Huntington-Shaver Siphon
Pitman Creek Diversion Access Road
Road 27E26, access road to SF San Joaquin River gaging station NW of Hooper Diversion
Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
Mono Creek Diversion Access Road

APPENDIX D

Additional Plant Species Observed During 2004 Surveys, that Were Not Observed During 2002 and 2003 Surveys

Appendix D. Plant Species Identified During 2004 Botanical Surveys that Were Not Identified in 2002 or 2003.

Scientific Name	Common Name
BRYOPHYTES	
<i>Anacolia baueri</i>	
<i>Aulacomnium androgynum</i>	
<i>Brachythecium albicans</i>	
<i>Brachythecium frigidum</i>	
<i>Bryum alpinum</i>	
<i>Bryum argenteum</i>	
<i>Bryum gemmiparum</i>	
<i>Bryum miniatum</i>	
<i>Bryum muehlenbeckii</i>	
<i>Bryum pallens</i>	
<i>Bryum pseudotriquetrum</i>	
<i>Bryum weigeli</i>	
<i>Ceratodon purpureus</i>	
<i>Didymodon vinealis</i>	
<i>Funaria hygrometrica</i>	
<i>Grimmia pulvinata</i>	
<i>Grimmia trichophylla</i>	
<i>Homalothecium nevadense</i>	
<i>Orthotrichum laevigatum</i>	
<i>Orthotrichum rupestre</i>	
<i>Philonotis americana</i>	
<i>Philonotis caespitosa</i>	
<i>Philonotis fontana</i>	
<i>Philonotis tomentella</i>	
<i>Plagiomnium medium</i>	
<i>Pohlia obtusifolia</i>	
<i>Pohlia wahlenbergii</i>	
<i>Polytrichum juniperinum</i>	
<i>Scleropodium obtusifolium</i>	
<i>Syntrichia princeps</i>	
<i>Syntrichia ruralis</i>	
VASCULAR PLANTS	
Apiaceae	
<i>Oxypolis occidentalis</i>	western cowbane
<i>Perideridia bolanderi</i> ssp. <i>bolanderi</i>	Bolander's yampah
Asteraceae	
<i>Arnica nevadensis</i>	Nevada arnica
<i>Crepis intermedia</i>	limestone hawksbeard
<i>Gnaphalium stramineum</i>	cottonbatting plant
<i>Helianthus californicus</i>	California sunflower
<i>Senecio flaccidus</i> var. <i>douglasii</i>	Douglas' ragwort
Boraginaceae	
<i>Cryptantha simulans</i>	pinewoods catseye

Appendix D. Plant Species Identified During 2004 Botanical Surveys that Were Not Identified in 2002 or 2003 (continued).

Scientific Name	Common Name
VASCULAR PLANTS (continued)	
Brassicaceae	
<i>Arabis glabra</i> var. <i>glabra</i>	tower rockcress
<i>Descurainia californica</i>	Sierra tansy-mustard
<i>Descurainia incana</i>	mountain tansymustard
<i>Draba albertina</i>	slender draba
Caryophyllaceae	
<i>Silene californica</i>	Indian pink
Chenopodiaceae	
<i>Chenopodium botrys</i>	Jerusalem oak goosefoot
<i>Chenopodium fremontii</i>	Fremont's goosefoot
<i>Chenopodium incognitum</i>	pinyon goosefoot
Euphorbiaceae	
<i>Chamaesyce serpyllifolia</i> ssp. <i>serpyllifolia</i>	thymeleaf sandmat
Fabaceae	
<i>Melilotus alba</i>	white sweetclover
<i>Vicia americana</i> var. <i>americana</i>	American vetch
Hydrophyllaceae	
<i>Hesperochiron pumilus</i>	dwarf hesperochiron
<i>Nemophila maculata</i>	fivespot
<i>Phacelia hastata</i> ssp. <i>hastata</i>	mountain phacelia
<i>Phacelia ramosissima</i> var. <i>ramosissima</i>	branching phacelia
Juncaceae	
<i>Juncus capillaris</i>	hairystem dwarf rush
<i>Juncus longistylis</i>	longstyle rush
Lamiaceae	
<i>Monardella lanceolata</i>	mustang mountainbalm
Onagraceae	
<i>Epilobium glaberrimum</i> ssp. <i>glaberrimum</i>	smooth willowweed
<i>Epilobium saximontanum</i>	glandular willowherb
Papaveraceae	
<i>Eschscholzia californica</i>	California poppy
Poaceae	
<i>Agrostis idahoensis</i>	Idaho bentgrass
<i>Bromus arenarius</i>	Australian brome
<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	slimstem reedgrass
<i>Elymus elymoides</i> ssp. <i>elymoides</i>	squirreltail
<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass

Appendix D. Plant Species Identified During 2004 Botanical Surveys that Were Not Identified in 2002 or 2003 (continued).

Scientific Name	Common Name
VASCULAR PLANTS (continued)	
Poaceae (continued)	
<i>Triticum aestivum</i>	common wheat
Polemoniaceae	
<i>Linanthus nuttallii</i> ssp. <i>pubescens</i>	Nuttall's deserttrumpets
Polygonaceae	
<i>Eriogonum roseum</i>	whitewoolly buckwheat
Portulacaceae	
<i>Montia fontana</i>	water chickweed
Pteridaceae	
<i>Cheilanthes covillei</i>	Coville's lipfern
<i>Pentagramma pallida</i>	silverback fern
Ranunculaceae	
<i>Ranunculus alismifolius</i> var. <i>alismellus</i>	Alisma-leaved buttercup
Rhamnaceae	
<i>Ceanothus fresnensis</i>	Fresno mat
Rosaceae	
<i>Amelanchier alnifolia</i> var. <i>pumila</i>	service-berry
<i>Fragaria vesca</i>	California strawberry
<i>Holodiscus microphyllus</i> var. <i>microphyllus</i>	little-leaf creambush
<i>Rosa bridgesii</i>	wood rose
Salicaceae	
<i>Salix geyeriana</i>	Geyer's willow
Scrophulariaceae	
<i>Collinsia childii</i>	Child's blue eyed Mary
<i>Mimulus montioides</i>	mountain monkeyflower
Violaceae	
<i>Viola purpurea</i> ssp. <i>purpurea</i>	mountain violet

APPENDIX E

2004 California Native Species Field Survey Forms and Maps

Placeholder for Appendix E

Non-Internet Public Information

This Appendix has been removed in accordance with the Commission regulations at 18 CFR Section 388.112.

This Appendix is 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 F

Approximate Locations of Special-Status Plant Populations Identified During 2004 Botanical Surveys

Appendix F. Special-status Plant Populations Identified within the Study Area.

Scientific/ Common Name	Status	Map Label	Location
<i>Ceanothus fresnensis</i> Fresno mat	CNPS 4, FSW	1-1	On the north side of the access road to the trail to Pitman Domestic Water Diversion from Huntington Lake Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-1	In a sand pan on a granite outcrop on the south side of the access road to Eagle Point Boat Only Day Use Area (off of 9S58)
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-2	In a sand pan on a granite outcrop on the south side of the access road to Eagle Point Boat Only Day Use Area (off of 9S58)
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-3	In a granite seep on the west side at the end of the access road to Eastwood Tailrace (off of 9S58)
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-4	On a granite outcrop adjacent to Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-5	In seeps in granite outcrops on the north side of Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-6	In seeps located in cracks of granite along Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-7	Adjacent to Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road in granite seeps.
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-8	In a seep on the north side of Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-9	In a seep on the north side of Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-10	In a granite outcrop between the main parking area at Bear Diversion Pool and Bear Diversion.
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-11	Along Bear Diversion Pool
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-12	On the north side adjacent to Hooper Diversion Pool
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-13	On the north side adjacent to Hooper Diversion Pool
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	CNPS 4, FSW	2-14	Upstream from Hooper Diversion Pool on the north side

Appendix F. Special-status Plant Populations Identified within the Study Area (continued).

Scientific/ Common Name	Status	Map Label	Location
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	P3-1	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	P3-2	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	P3-3	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	3-4	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	P3-5	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Hulsea brevifolia</i> short-leaved hulsea	CNPS 1B, FSS	P3-6	Both sides of Road 8S12, access road to Huntington-Shaver Siphon from Hwy 168
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening primrose	CNPS 1B, FSC, FSS	4-1	Adjacent to the trail leading to the gaging station on Bear Forebay; about 10 feet before the gaging station
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening primrose	CNPS 1B, FSC, FSS	4-2	On the north bank of Hooper Diversion Pool from the dam to the end of the pool
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening primrose	CNPS 1B, FSC, FSS	4-3	On the north side of Hooper Diversion Pool from the end of the pool upstream about 100 feet
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening primrose	CNPS 1B, FSC, FSS	P4-4	Along Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road, and the parking area for Bear Diversion Pool
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening primrose	CNPS 1B, FSC, FSS	P4-5	Both sides of Road 6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road