

BIOLOGY RESOURCES

9/06

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status**NDDDB 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. 134

Map Index: 39385

EO Index: 34387

Dates Last Seen

Occ Rank: Unknown

Element: 1989-05-25

Origin: Natural/Native occurrence

Site: 1989-05-25

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-08-11

Main Source: HALSTEAD, J. & J. OLDHAM 1989 (OBS)

Quad Summary: HERNDON (3611978/379C)

County Summary: FRESNO

Lat/Long: 36.84800° / -119.90599°

Township: 12S

UTM: Zone-11 N4081953 E240891

Range: 19E

Radius: 1/10 mile

Mapping Precision: NON-SPECIFIC

Section: 33

Qtr: NW

Elevation: 225 ft

Symbol Type: POINT

Meridian: M

Location: SAN JOAQUIN RIVER MILE 245, ~1 MILE NE OF HERNDON, DOWNSTREAM OF THE ATCHISON TOPEKA AND SANTA FE RAILROAD CROSSING.**Location Detail:** RIPARIAN STRIP BETWEEN SAN JOAQUIN RIVER AND RIVERSIDE GOLF COURSE. (1970 RECORD ADDED FOR SITE IS DESCRIBED SOLELY AS HERNDON)**Ecological:** ELDERBERRY HABITAT PRESENT**Threat:** GOLF COURSE MAINTENANCE.**General:** 14 OF 20 ELDERBERRY TREES HAD MANY EMERGENCE HOLES, NO ADULTS OBSERVED. 1970: COLLECTED 1 MALE BEETLE (MUSEUM SPECIMEN, CSUF). GNIS MAP# 1484.**Owner/Manager:** UNKNOWN

Orcuttia pilosa

hairy orcutt grass

Element Code: PMPOA4G040

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations
 General: VERNAL POOLS.
 Micro: 25-125M.

Occurrence No. 28	Map Index: 14519	EO Index: 2301	Dates Last Seen
Occ Rank: Fair			Element: 1986-08-10
Origin: Natural/Native occurrence			Site: 1986-08-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-08-10
Main Source: STEBBINS, J. 1986 (OBS)			

Quad Summary: HERNDON (3611978/379C)
 County Summary: MADERA

Lat/Long: 36.87040° / -119.88708°	Township: 12S
UTM: Zone-11 N4084387 E242653	Range: 19E
Area: 9.6 ac	Section: 22
Elevation: 310 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: VERNAL POOL NORTHEAST OF INTERSECTION OF AVENUE 8 AND ROAD 36, APPROX. 3 AIR MILES NORTHEAST OF HERNDON.
Location Detail: MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 22.
Ecological: VERNAL POOL WITH ASSOCIATES ERYNGIUM VASEYI, TRICHOSTEMA LANCEOLATUM, AND DOWNINGIA SP. SURROUNDED BY ANNUAL GRASSLAND.
Threat: SURROUNDED BY AGRICULTURE. GRAZING IN GRASSLAND.
General: 200 PLANTS OBSERVED IN 1986. OWNER WILL ALLOW ACCESS FOR FUTURE STUDIES.
Owner/Manager: PVT

Perognathus inornatus inornatus

San Joaquin pocket mouse

Element Code: AMAFD01061

Status	NDDDB Element Ranks	Other Lists
Federal: None	Global: G4T2T3	CDFG Status:
State: None	State: S2S3	

Habitat Associations

General: TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS.
Micro: NEEDS FRIABLE SOILS.

Occurrence No. 17	Map Index: 14364	EO Index: 7329	Dates Last Seen
Occ Rank: None			Element: 1924-04-13
Origin: Natural/Native occurrence			Site: 1986-04-29
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1993-09-23
Main Source: BORELL, A. 1924 (MUS)			

Quad Summary: HERNDON (3611978/379C)
County Summary: FRESNO

Lat/Long: 36.80466° / -119.97710°	Township: 13S
UTM: Zone-11 N4077339 E234399	Range: 18E
Radius: 1 mile	Section: 14
Elevation: 265 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: JUNCTION OF GETTYSBURG AND DOWER AVENUES. 4 MI SW HERNDON.

Ecological: THE SITE HAS BEEN CONVERTED TO VINEYARDS.

General: MVZ #33646.

Owner/Manager: PVT

Taxidea taxus

American badger

Status _____ **NDDDB Element Ranks** _____ **Element Code:** AMAJF04010 **Other Lists** _____
Federal: None **Global:** G5 **CDFG Status:** SC
State: None **State:** S4

Habitat Associations _____
General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.
Micro: NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No.: 79 **Map Index:** 56599 **EO Index:** 56615 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1988-04-12
Origin: Natural/Native occurrence **Site:** 1988-04-12
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2004-09-07
Main Source: BRUEGGEMANN, R. H. 1988 (OBS)

Quad Summary: HERNDON (3611978/379C)
County Summary: FRESNO

Lat/Long: 36.83704° / -119.89058° **Township:** 13S
UTM: Zone-11 N4080696 E242228 **Range:** 19E
Area: 19.6 ac **Mapping Precision:** NON-SPECIFIC **Section:** 03 **Qtr:** SW
Elevation: 315 ft **Symbol Type:** POLYGON **Meridian:** M

Location: JUST WEST OF THE INTERSECTION OF HERNDON AVE AND THE SANTA FE RAILROAD TRACKS, FRESNO.
Location Detail: SW1/4 OF SW1/4 SECTION 34; MAPPED ALONG ROAD.
Ecological: FIG ORCHARD TO SOUTH AND PERMANENT PASTURE, SMALL MARSH TO THE NORTH.
General: 1 ADULT OBSERVED (ROADKILL) ON 11, 12 APR 1988.
Owner/Manager: UNKNOWN

Vulpes macrotis mutica

San Joaquin kit fox

Element Code: AMAJA03041

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G4T2T3	CDFG Status:
State: Threatened	State: S2S3	

Habitat Associations

General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.

Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.

Occurrence No.: 89	Map Index: 53873	EO Index: 53873	Dates Last Seen
Occ Rank: Unknown			Element: 1993-05-05
Origin: Natural/Native occurrence			Site: 1993-05-05
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-01-09
Main Source: WILLIAMS, D. 1993 (OBS)			

Quad Summary: HERNDON (3611978/379C)

County Summary: FRESNO

Lat/Long: 36.82028° / -119.90199°	Township: 13S
UTM: Zone-11 N4078866 E241153	Range: 19E
Area: 29.5 ac	Section: 09
Elevation: 302 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

Location: HERNDON, ABOUT 1MI SE OF GRANTLAND AVE. EXIT ON HIGHWAY 99 (EAST EDGE OF NORTHBOUND LANE)

Ecological: FALLOW LAND ADJACENT TO EAST SIDE OF HIGHWAY; LIGHT INDUSTRIAL DEVELOPMENT NEARBY. WEST OF THE HIGHWAY IS LOW DENSITY HOUSING AND IRRIGATED AGRICULTURE.

General: 5/5/1993: ONE ANIMAL DEAD ON THE ROAD.

Owner/Manager: UNKNOWN

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Ambystoma californiense

California tiger salamander

Status	NDDB Element Ranks	Element Code: AAAAA01180
Federal: Threatened	Global: G2G3	Other Lists
State: None	State: S2S3	CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES. ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.: 49	Map Index: 14529	EO Index: 28414	Dates Last Seen
Occ Rank: Unknown			Element: 1974-04-02
Origin: Natural/Native occurrence			Site: 1974-04-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-03-16
Main Source: BRODE, J. 1986 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A), GREGG (3611988/379B), LITTLE TABLE MTN. (3711917/399D), DAULTON (3711918/399C)
County Summary: MADERA

Lat/Long: 36.98800° / -119.88182°	UTM: Zone-11 N4097423 E243516	Township: 11S
Radius: 1 mile	Mapping Precision: NON-SPECIFIC	Range: 19E
Elevation: 375 ft	Symbol Type: POINT	Section: 10
		Meridian: M
		Qtr: SE

Location: THE GENERAL AREA EAST OF ROAD 36 AND NORTH OF AVE 16. WEST OF FRIANT.
Location Detail: 3 SITES: NE OF AVE 16 & ROAD 37, NW OF AVE 16 & ROAD 37, AND 1.6 TO 2.6 MILES SW OF HWY 145 AND ROAD 38.
General: L. DUNN FIELD NOTES #2 & 3 FROM 13 FEB 74 AND NOTE #12 FROM 2 APRIL 1974.
Owner/Manager: UNKNOWN

Occurrence No.: 96	Map Index: 14515	EO Index: 28379	Dates Last Seen
Occ Rank: Unknown			Element: 1983-12-26
Origin: Natural/Native occurrence			Site: 1983-12-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-11-09
Main Source: BRODE, J. 1986 (PERS)			

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.96910° / -119.89127°	UTM: Zone-11 N4095352 E242611	Township: 11S
Radius: 1/5 mile	Mapping Precision: NON-SPECIFIC	Range: 19E
Elevation: 340 ft	Symbol Type: POINT	Section: 15
		Meridian: M
		Qtr: SW

Location: NE OF JCT OF AVENUE 15 AND ROAD 36, APPROX 10 AIR MILES WEST OF FRIANT.
Location Detail: INCLUDES 1983 RECORD FROM 5.5 MILES WEST OF HWY 41 ON AVENUE 15.
General: L. DUNN FIELD NOTES #1 FROM 13 FEB 1974. MVZ #227102 COLLECTED 26 DEC 1983 BY R. MACEY.
Owner/Manager: UNKNOWN

Occurrence No.: 615	Map Index: 46459	EO Index: 46459	Dates Last Seen
Occ Rank: Unknown			Element: 1983-12-26
Origin: Natural/Native occurrence			Site: 1983-12-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-11-09
Main Source: MVZ 2001 (MUS)			

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.96654° / -119.92944°	UTM: Zone-11 N4095172 E239203	Township: 11S
Radius: 2/5 mile	Mapping Precision: NON-SPECIFIC	Range: 19E
Elevation: 325 ft	Symbol Type: POINT	Section: 20
		Meridian: M
		Qtr: XX

Location: 7.6 MILES WEST OF HWY 41 ON AVENUE 15. NORTHEAST OF THE CONFLUENCE OF COTTONWOOD CREEK AND LITTLE DRY CREEK.
General: MVZ #227103 COLLECTED BY R. MACEY ON 26 DEC 1983.
Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
 Federal: Threatened
 State: None

NDDB Element Ranks
 Global: G3
 State: S2S3

Other Lists
 CDFG Status:

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. 12 **Map Index:** 33079 **EO Index:** 21302 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1994-03-25
Origin: Natural/Native occurrence **Site:** 1994-03-25
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1995-03-23
Main Source: SEYMOUR, R. 1994 (MUS)

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.93727° / -119.98413° **Township:** 11S
UTM: Zone-11 N4092075 E234232 **Range:** 18E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 34 **Qtr:** NE
Elevation: 285 ft **Symbol Type:** POINT **Meridian:** M

Location: SOUTH SIDE OF AVENUE 13, 0.1 MILE EAST OF THE RAILROAD TRACKS, ~5 MILES ENE OF MADERA.

General: COLLECTION #RS-94-01 (ALSO INCLUDES LINDERIELLA OCCIDENTALIS), DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN

Occurrence No. 300 **Map Index:** 45644 **EO Index:** 45644 **Dates Last Seen**
Occ Rank: Good **Element:** 2001-03-14
Origin: Natural/Native occurrence **Site:** 2001-03-14
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2001-08-23
Main Source: TENNEBOE, A. AND T. NUNES 2001 (OBS)

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.99813° / -119.98208° **Township:** 11S
UTM: Zone-11 N4098823 E234626 **Range:** 18E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 02 **Qtr:** SW
Elevation: 342 ft **Symbol Type:** POINT **Meridian:** M

Location: NORTH SIDE OF HIGHWAY 145 AND EAST OF EL DORADO DRIVE, SOUTH OF MADERA LAKE

Location Detail: POOL IS LOCATED NORTH OF HIGHWAY 145, AT MILEPOST 14.8.

Ecological: HABITAT CONSISTS OF A LARGE CULVERT POOL; SURROUNDED BY RESIDENTIAL OPEN SPACE.

Threat: THREATENED BY HIGHWAY MAINTENANCE ACTIVITIES.

General: 7 ADULTS COLLECTED ON 14 MAR 2001 AND DEPOSITED AT CAS.

Owner/Manager: CALTRANS

Linderiella occidentalis

California *Linderiella*

Element Code: ICBRA06010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status:
State: None	State: S2S3	

Habitat Associations

General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 40	Map Index: 33078	EO Index: 17127	Dates Last Seen
Occ Rank: Unknown			Element: 1994-03-28
Origin: Natural/Native occurrence			Site: 1994-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-23
Main Source: SEYMOUR, R. 1994 (MUS)			

Quad Summary: GREGG (3611988/379B)

County Summary: MADERA

Lat/Long: 36.98208° / -119.89312°	Township: 11S
UTM: Zone-11 N4096797 E242490	Range: 19E
Radius: 80 meters	Section: 10
Elevation: 360 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: EAST SIDE OF ROAD 36, 1.1 MILES NORTH OF AVENUE 15, ~10 MILES NE OF MADERA.

General: COLLECTION #RS-94-02, DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN

Occurrence No. 41	Map Index: 33079	EO Index: 4525	Dates Last Seen
Occ Rank: Unknown			Element: 1994-03-25
Origin: Natural/Native occurrence			Site: 1994-03-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-23
Main Source: SEYMOUR, R. 1994 (MUS)			

Quad Summary: GREGG (3611988/379B)

County Summary: MADERA

Lat/Long: 36.93727° / -119.98413°	Township: 11S
UTM: Zone-11 N4092075 E234232	Range: 18E
Radius: 80 meters	Section: 34
Elevation: 285 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: SOUTH SIDE OF AVENUE 13, 0.1 MILE EAST OF THE RAILROAD TRACKS, ~5 MILES ENE OF MADERA.

General: COLLECTION #RS-94-01 (ALSO INCLUDES BRANCHINECTA LYNCHI), DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

Status	NDDB Element Ranks	Element Code: CTT44110CA
Federal: None	Global: G3	Other Lists
State: None	State: S3.1	
Habitat Associations		
General:		
Micro:		

Occurrence No. 35	Map Index: 14549	EO Index: 27457	Dates Last Seen
Occ Rank: Unknown			Element: 1980-04-29
Origin: Natural/Native occurrence			Site: 1980-04-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-07-15
Main Source: GRIGGS, T. 1980 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A), GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.96160° / -119.86737°	Township: 11S
UTM: Zone-11 N4094455 E244714	Range: 10E
Radius: 1 mile	Section: 23
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: N
Symbol Type: POINT	

Location: HWY 41 N FROM FRESNO TO HWY (AVE) 15 THEN 3 MI W. AREA INCL 3 SECTIONS.
Location Detail: POOLS IN MEANDERS OF EPHEMERAL CREEKS. POOLS VERY DENSE IN SOME AREAS OF 1-5 ACRES. W/IN ANNUAL GRASSLAND.
Ecological: ROLLING PLAIN BUT FAIRLY LEVEL. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Threat: HEAVY CATTLE GRAZING IN MANY AREAS.
Owner/Manager: UNKNOWN

Occurrence No. 123	Map Index: 14504	EO Index: 6673	Dates Last Seen
Occ Rank: Poor			Element: 1986-05-21
Origin: Natural/Native occurrence			Site: 1986-05-21
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1998-07-15
Main Source: STEBBINS, J.(OBS)			

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.88520° / -119.89480°	Township: 12S
UTM: Zone-11 N4086051 E242014	Range: 19E
Area: 7.3 ac	Section: 16
Elevation: 315 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: 1/2 MILE NNW OF THE INTERSECTION OF AVENUE 9 AND ROAD 36.
Ecological: VERNAL POOL IN CISMONTANE VALLEY GRASSLAND. ASSOCIATES INCLUDE BROMUS MOLLIS, AGOSERIS, B. DIANDRUS, AND ORCUTTIA PILOSA. THE INTRODUCED SPECIES ARE OUT-COMPETING THE ORCUTTIA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO
Threat: AG AND ORV USE, SITE DISKED AFTER 1983 VISIT AND HYDROLOGY AND SPECIES COMPOSITION AFFECTED.
General: DAMAGE FROM DISKING PROBABLY IRREVERSIBLE PER STEBBINS.
Owner/Manager: PVT

Orcuttia pilosa

hairy orcutt grass

Element Code: PMPOA4G040

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations
 General: VERNAL POOLS.
 Micro: 25-125M.

Occurrence No. 22	Map Index: 14504	EO Index: 2300	Dates Last Seen
Occ Rank: Poor			Element: 1986-05-21
Origin: Natural/Native occurrence			Site: 1986-05-21
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-08-10
Main Source: STEBBINS, J. 1983 (OBS)			

Quad Summary: GREGG (3611988/379B)
 County Summary: MADERA

Lat/Long: 36.88520° / -119.89480°	Township: 12S
UTM: Zone-11 N4086051 E242014	Range: 19E
Area: 7.3 ac	Section: 16
Elevation: 315 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: 4.6 MILES EAST OF HIGHWAY 99 ON AVENUE 9 AT CORNER OF AVENUE 9 AND ROAD 36; 2.3 MI EAST OF GREGG RAILROAD STOP.
Location Detail: MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 16.
Ecological: LARGE VERNAL POOL ON DRY CLAY IN VALLEY GRASSLAND. ASSOCIATED SPECIES INCLUDE DOWNINGIA, ERYNGIUM, BROMUS MOLLIS, B. DIANDRUS, AND AGOSERIS HETEROPHYLLA.
Threat: SURROUNDED BY AGRICULTURE. THREATS INCLUDE OFF-ROAD VEHICLE USE AND COMPETING WEEDY SPECIES ESTABLISHED AFTER DISKING.
General: POPULATION OF MORE THAN 1000 INDIVIDUALS OBSERVED IN 1983 PER STEBBINS. 150 PLANTS IN 1986.
Owner/Manager: PVT

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No.: 108	Map Index: 33342	EO Index: 23149	Dates Last Seen
Occ Rank: Poor			Element: 1995-03-28
Origin: Natural/Native occurrence			Site: 1995-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-08
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: GREGG (3611988/379B)
County Summary: MADERA

Lat/Long: 36.99507° / -119.87722°	Township: 11S
UTM: Zone-11 N4098196 E243949	Range: 19E
Radius: 80 meters	Section: 10
Elevation: 350 ft	Qtr: NE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: JUST SOUTH OF KENNETH AVENUE, 2.6 MILES EAST OF HILDRETH CREEK.

Location Detail: LOCATED AT 36836 KENNETH AVENUE, 15-20 YARDS SOUTH OF KENNETH AVENUE.

Ecological: HABITAT CONSISTS OF A HIGHLY-DEGRADED VERNAL POOL IN NON-NATIVE GRASSLAND; POOL HAS BEEN DISKED REPEATEDLY FOR SEVERAL YEARS. MOST OF THE VEGETATION NOW CONSISTS OF RUDERAL SPECIES. BUFO BOREAS AND HYL A REGILLA ARE ALSO FOUND HERE.

Threat: THREATENED BY REPEATED DISKING OF VERNAL POOL.

General: ~100 LARVAE OBSERVED ON 28 MARCH 1995.

Owner/Manager: PVT

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Ambystoma californiense

California tiger salamander

Status

Federal: Threatened

State: None

NDDB Element Ranks

Global: G2G3

State: S2S3

Element Code: AAAAA01180

Other Lists

CDFG Status: SC

Habitat Associations**General:** CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.**Micro:** NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 583

Map Index: 46277

EO Index: 46277

Dates Last Seen

Occ Rank: None

Element: 1936-05-16

Origin: Natural/Native occurrence

Site: 1936-05-16

Presence: Extirpated

Trend: Unknown

Record Last Updated: 2002-08-20

Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)**County Summary:** FRESNO**Lat/Long:** 36.77388° / -119.77951°**UTM:** Zone-11 N4073392 E251931**Radius:** 5 mile**Mapping Precision:** NON-SPECIFIC**Township:** 13S**Range:** 20E**Elevation:** 300 ft**Symbol Type:** POINT**Section:** 27**Qtr:** XX**Meridian:** M**Location:** FRESNO**General:** 1879 RECORD FROM THE USNM (#11794), NO OTHER INFORMATION GIVEN. CORNELL UNIVERSITY MUSEUM OF VERTEBRATES # 3017 (2 SPECIMENS) COLLECTED 16 MAY 1936 BY L.F. HADSELL. JENNINGS CONSIDERS THIS SITE EXTIRPATED.**Owner/Manager:** UNKNOWN

Caulanthus californicus

California jewel-flower

Element Code: PDBRA31010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G1	CNPS List: 1B
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON JUNIPER WOODLAND.

Micro: HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH CENTRAL V. AND CARRIZO PLAIN. 65-900M.

Occurrence No. 38	Map Index: 46277	EO Index: 63230	Dates Last Seen
Occ Rank: None			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: 1986-03-XX
Presence: Extirpated			Record Last Updated: 2005-11-09
Trend: Unknown			
Main Source: TAYLOR, D. W. 1986 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.

General: NO HABITAT REMAINS IN VICINITY OF FRESNO. UNKNOWN WHEN ORIGINALLY COLLECTED BY DAVIDSON (SN NO DATE LAN).

Owner/Manager: UNKNOWN

Coccyzus americanus occidentalis

western yellow-billed cuckoo

Status	NDDB Element Ranks	Element Code: ABNRB02022	Other Lists
Federal: Candidate	Global: G5T2Q		
State: Endangered	State: S1		CDFG Status:

Habitat Associations

General: (NESTING) RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.
Micro: NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, W/ LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

Occurrence No.: 87	Map Index: 14944	EO Index: 25589	Dates Last Seen
Occ Rank: None			Element: 1902-07-10
Origin: Natural/Native occurrence			Site: 1902-07-10
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: GAINES, D. 1977 (LIT)			

Quad Summary: SANGER (3611965/357A), MALAGA (3611966/357B), ROUND MOUNTAIN (3611975/378D), CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.75271° / -119.63986°	Township: 13S
UTM: Zone-11 N4070690 E264333	Range: 21E
Radius: 1 mile	Section: 36
Elevation: 345 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: FANCHER CRK, 6 MI NE OF FRESNO.

General: REPORTED AS UNCOMMON BUT NESTING BY TYLER (1913).

Owner/Manager: PVT

Efferia antiochi

Antioch efferian robberfly

Status

Federal: None

State: None

NDDB Element Ranks

Global: G1G3

State: S1S3

Element Code: IIDIP07010

Other Lists

CDFG Status:

Habitat Associations

General: KNOWN ONLY FROM CONTRA COSTA COUNTY AND FRESNO COUNTIES.

Micro:

Occurrence No.: 2

Map Index: 46277

EO Index: 63436

Dates Last Seen

Occ Rank: Unknown

Element: 1954-12-15

Origin: Natural/Native occurrence

Site: 1954-12-15

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2005-12-08

Main Source: FISCHER, R. 1988 (PERS.)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°

Township: 13S

UTM: Zone-11 N4073392 E251931

Range: 20E

Radius: 5 mile

Mapping Precision: NON-SPECIFIC

Section: 27

Qtr: XX

Elevation: 300 ft

Symbol Type: POINT

Meridian: M

Location: FRESNO

General: COLLECTED BY CHRIS THOMPSON; ALSO COLLECTED 24 OCT 1954 BY G. FRYMIRE. IN COLLECTION AT CSU FRESNO. PARATYPES.

Owner/Manager: UNKNOWN

Lytta molesta

molestan blister beetle

_____ **Status** _____

_____ **NDDB Element Ranks** _____

_____ **Element Code:** IICOL4C030

_____ **Other Lists** _____

Federal: None

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.: 13

Map Index: 46277

EO Index: 64456

_____ **Dates Last Seen** _____

Occ Rank: Unknown

Element: 19XX-XX-XX

Origin: Natural/Native occurrence

Site: 19XX-XX-XX

Presence: Possibly Extirpated

Trend: Unknown

Record Last Updated: 2006-03-30

Main Source: CA BEETLE PROJECT 2006 (PERS)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°

Township: 13S

UTM: Zone-11 N4073392 E251931

Range: 20E

Radius: 5 mile

Mapping Precision: NON-SPECIFIC

Section: 27

Qtr: XX

Elevation: 300 ft

Symbol Type: POINT

Meridian: M

Location: FRESNO.

General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.

Owner/Manager:

Metapogon hurdi

Hurd's metapogon robberfly

Element Code: IIDIP08010

Status _____ NDDB Element Ranks _____ Other Lists _____
 Federal: None Global: G1G3 CDFG Status:
 State: None State: S1S3

Habitat Associations

General: KNOWN ONLY FROM ANTIOCH (DUNES?) AND FRESNO.
 Micro:

Occurrence No. 2 Map Index: 46277 EO Index: 60267 Dates Last Seen _____
 Occ Rank: Unknown Element: 1922-11-29
 Origin: Natural/Native occurrence Site: 1922-11-29
 Presence: Possibly Extirpated
 Trend: Unknown Record Last Updated: 2005-02-25
 Main Source: WILCOX, J. 1964 (LIT)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
 County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951° Township: 13S
 UTM: Zone-11 N4073392 E251931 Range: 20E
 Radius: 5 mile Mapping Precision: NON-SPECIFIC Section: 27 Qtr: XX
 Elevation: 300 ft Symbol Type: POINT Meridian: M

Location: FRESNO.
 Location Detail: NO OTHER COLLECTION INFORMATION GIVEN.
 General: HISTORICAL SPECIMENS. 4 MALE AND 6 FEMALE PARATYPES.
 Owner/Manager: UNKNOWN

Tropidocarpum capparideum

caper-fruited tropidocarpum

Element Code: PDBRA2R010

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

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE CLAY. 0-455M.

Occurrence No. 22	Map Index: 46277	EO Index: 64783	Dates Last Seen
Occ Rank: Unknown			Element: 1930-04-12
Origin: Natural/Native occurrence			Site: 1930-04-12
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-05-19
Main Source: DE FOREST, H. SN RSA #428386 (HERB)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB CENTERED ON THE CITY OF FRESNO, MAKING THE ASSUMPTION THAT THE SITE DESCRIPTION WAS REFERRING TO THE CITY OF FRESNO, NOT TO THE COUNTY OF FRESNO.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1930 COLLECTION BY DE FOREST. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

9/06

Ambystoma californiense

California tiger salamander

Status	NDDB Element Ranks	Element Code: AAAAA01180
Federal: Threatened	Global: G2G3	Other Lists
State: None	State: S2S3	CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.: 583	Map Index: 46277	EO Index: 46277	Dates Last Seen
Occ Rank: None			Element: 1936-05-16
Origin: Natural/Native occurrence			Site: 1936-05-16
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2002-08-20
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
	Qtr: XX

Location: FRESNO

General: 1879 RECORD FROM THE USNM (#11794), NO OTHER INFORMATION GIVEN. CORNELL UNIVERSITY MUSEUM OF VERTEBRATES # 3017 (2 SPECIMENS) COLLECTED 16 MAY 1936 BY L.F. HADSELL. JENNINGS CONSIDERS THIS SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Caulanthus californicus

California jewel-flower

Element Code: PDBRA31010

Status	NDDDB Element Ranks	Other Lists
Federal: Endangered	Global: G1	CNPS List: 1B
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON JUNIPER WOODLAND.

Micro: HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH CENTRAL V. AND CARRIZO PLAIN. 65-900M.

Occurrence No.: 38	Map Index: 46277	EO Index: 63230	Dates Last Seen
Occ Rank: None			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: 1986-03-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2005-11-09
Main Source: TAYLOR, D. W. 1986 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.

General: NO HABITAT REMAINS IN VICINITY OF FRESNO. UNKNOWN WHEN ORIGINALLY COLLECTED BY DAVIDSON (SN NO DATE LAN).

Owner/Manager: UNKNOWN

Efferia antiochi

Antioch efferian robberfly

Status	NDDB Element Ranks	Element Code: IIDIP07010	Other Lists
Federal: None	Global: G1G3		
State: None	State: S1S3		CDFG Status:

Habitat Associations

General: KNOWN ONLY FROM CONTRA COSTA COUNTY AND FRESNO COUNTIES.

Micro:

Occurrence No. 2	Map Index: 46277	EO Index: 63436	Dates Last Seen
Occ Rank: Unknown			Element: 1954-12-15
Origin: Natural/Native occurrence			Site: 1954-12-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-12-08
Main Source: FISCHER, R. 1988 (PERS.)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
	Qtr: XX
	Mapping Precision: NON-SPECIFIC
	Symbol Type: POINT

Location: FRESNO.

General: COLLECTED BY CHRIS THOMPSON; ALSO COLLECTED 24 OCT 1954 BY G. FRYMIRE. IN COLLECTION AT CSU FRESNO. PARATYPES.

Owner/Manager: UNKNOWN

Metapogon hurdi

Hurd's metapogon robberfly

Element Code: IIDIP08010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1G3	CDFG Status:
State: None	State: S1S3	

Habitat Associations

General: KNOWN ONLY FROM ANTIOCH (DUNES?) AND FRESNO.
 Micro:

Occurrence No. : 2	Map Index : 46277	EO Index : 60267	Dates Last Seen
Occ Rank : Unknown			Element : 1922-11-29
Origin : Natural/Native occurrence			Site : 1922-11-29
Presence : Possibly Extirpated			Record Last Updated : 2005-02-25
Trend : Unknown			
Main Source : WILCOX, J. 1964 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long : 36.77388° / -119.77951°	Township : 13S
UTM : Zone-11 N4073392 E251931	Range : 20E
Radius : 5 mile	Section : 27
Elevation : 300 ft	Meridian : M
Mapping Precision : NON-SPECIFIC	Qtr : XX
Symbol Type : POINT	

Location: FRESNO.

Location Detail: NO OTHER COLLECTION INFORMATION GIVEN.

General: HISTORICAL SPECIMENS. 4 MALE AND 6 FEMALE PARATYPES.

Owner/Manager: UNKNOWN

Perognathus inornatus inornatus

San Joaquin pocket mouse

Element Code: AMAFD01061

----- Status ----- NDDB Element Ranks ----- Other Lists -----
Federal: None Global: G4T2T3
State: None State: S2S3 CDFG Status:

----- Habitat Associations -----
General: TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS
Micro: NEEDS FRIABLE SOILS

Occurrence No. 16 Map Index: 14563 EO Index: 23951 ----- Dates Last Seen -----
Occ Rank: Unknown Element: 1915-11-20
Origin: Natural/Native occurrence Site: 1915-11-20
Presence: Presumed Extant
Trend: Unknown Record Last Updated: 1989-08-10
Main Source: WEAR, W. 1915 (MUS)

Quad Summary: FRESNO SOUTH (3611967/358A), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.73689° / -119.85793° Township: 14S
UTM: Zone-11 N4069494 E244808 Range: 19E
Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 01 Qtr: SW
Elevation: Symbol Type: POINT Meridian: M

Location: 4 MI W FRESNO.
General: MVZ #21989.
Owner/Manager: UNKNOWN

Tropidocarpum capparideum

caper-fruited tropidocarpum

Element Code: PDBRA2R010

----- Status -----

NDDB Element Ranks

----- Other Lists -----

Federal: None

Global: G1

CNPS List: 1B

State: None

State: S1.1

R-E-D Code: 3-3-3

----- Habitat Associations -----

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE CLAY. 0-455M.

Occurrence No. 22

Map Index: 46277

EO Index: 64783

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1930-04-12

Origin: Natural/Native occurrence

Site: 1930-04-12

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-05-19

Main Source: DE FOREST, H. SN RSA #428386 (HERB)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°

Township: 13S

UTM: Zone-11 N4073392 E251931

Range: 20E

Radius: 5 mile

Mapping Precision: NON-SPECIFIC

Section: 27

Qtr: XX

Elevation: 300 ft

Symbol Type: POINT

Meridian: M

Location: FRESNO.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB CENTERED ON THE CITY OF FRESNO, MAKING THE ASSUMPTION THAT THE SITE DESCRIPTION WAS REFERRING TO THE CITY OF FRESNO, NOT TO THE COUNTY OF FRESNO.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1930 COLLECTION BY DE FOREST. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

9/06

Atriplex cordulata

heartscale

Status		NDDB Element Ranks	Element Code: PDCHE040B0
Federal: None		Global: G2?	Other Lists
State: None		State: S2.2?	CNPS List: 1B
			R-E-D Code: 2-2-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.
Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No.: 29	Map Index: 14246	EO Index: 6078	Dates Last Seen
Occ Rank: Unknown			Element: 1937-07-29
Origin: Natural/Native occurrence			Site: 1937-07-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-02-15
Main Source: HOOVER, R. #2637 UC #769848 (HERB)			

Quad Summary: KERMAN (3612061/359A)
County Summary: FRESNO

Lat/Long: 36.63993° / -120.06182°	Township: 15S
UTM: Zone-10 N4058951 E762688	Range: 17E
Radius: 1 mile	Section: 12
Elevation: 195 ft	Meridian: M
	Qtr: E
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

Location: 6 MILES SOUTH OF KERMAN.
Location Detail: MAPPED ALONG MADERA AVE, JUST SOUTH OF LINCOLN AVE.
General: ONLY SOURCE OF INFORMATION IS 1937 COLLECTION BY HOOVER. AREA SHOULD BE FIELD CHECKED FOR THE PRESENCE OF SUITABLE HABITAT.
Owner/Manager: UNKNOWN

Atriplex minuscula

lesser saltscare

Status	NDDB Element Ranks	Element Code: PDCHE042M0	Other Lists
Federal: None	Global: G1		CNPS List: 1B
State: None	State: S1.1		R-E-D Code: 3-3-3

Habitat Associations
 General: CHENOPOD SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.
 Micro: IN ALKALI SINK AND GRASSLAND IN SANDY, ALKALINE SOILS. 20-100M.

Occurrence No. 23	Map Index: 56426	EO Index: 56442	Dates Last Seen
Occ Rank: Unknown			Element: 1948-08-24
Origin: Natural/Native occurrence			Site: 1948-08-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-08-18
Main Source: NOBS, M. & S. GALEN SMITH #461 UC (HERB)			

Quad Summary: KERMAN (3612061/359A)
County Summary: FRESNO

Lat/Long: 36.69577° / -120.06023°	Township: 14S
UTM: Zone-10 N4065153 E762640	Range: 18E
Area: 122.2 ac	Section: 19
Elevation: 200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

Location: ABOUT 2 MI S OF KERMAN.

Ecological: SEMI-ALKALI FLATS.

General: 1948 COLLECTION IS ONLY SOURCE OF INFO. MAPPED 2 MI S OF KERMAN ALONG MADERA AVE (HWY 180). ORIGINALLY COLLECTED BY NOBS AND SMITH AS A. DEPRESSA. REDETERMINED TO BE A. MINUSCULA BY PRESTON. FORMER A. DEPRESSA OCCURRENCE #38.

Owner/Manager: UNKNOWN

Cordylanthus palmatus

palmate-bracted bird's-beak

Status	NDDB Element Ranks	Element Code: PDSCR0J0J0	Other Lists
Federal: Endangered	Global: G1		CNPS List: 1B
State: Endangered	State: S1.1		R-E-D Code: 3-3-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND.
 Micro: USUALLY ON PESCADERO SILTY CLAY WHICH IS ALKALINE, WITH DISTICHLIS, FRANKENIA, ETC. 5-155M.

Occurrence No. 4	Map Index: 14246	EO Index: 6077	Dates Last Seen
Occ Rank: None			Element: 1937-XX-XX
Origin: Natural/Native occurrence			Site: 1983-07-02
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1994-03-04
Main Source: HOOVER, R. #2636 CAS (HERB)			

Quad Summary: KERMAN (3612061/359A)
 County Summary: FRESNO

Lat/Long: 36.63993° / -120.06182°	Township: 15S
UTM: Zone-10 N4058951 E762688	Range: 17E
Radius: 1 mile	Section: 12
Elevation: 195 ft	Meridian: M
	Qt: E
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

Location: 6 MI SOUTH OF KERMAN (ON MADERA AVE).
 General: SITE VISITED IN 1965 AND 1983 AND PLANTS NOT OBSERVED. HABITAT LOSS DUE TO SOIL RECLAMATION AND AREA UNDER CULTIVATION.
 Owner/Manager: UNKNOWN

Dipodomys nitratoides exilis

Fresno kangaroo rat

Element Code: AMAFD03151

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Endangered	Global: G3T1 State: S1	CDFG Status:

Habitat Associations

General: ALKALI SINK-OPEN GRASSLAND HABITATS IN WESTERN FRESNO COUNTY.

Micro: BARE ALKALINE CLAY-BASED SOILS SUBJECT TO SEASONAL INUNDATION, WITH MORE FRIABLE SOIL MOUNDS AROUND SHRUBS & GRASSES.

Occurrence No. 20	Map Index: 65385	EO Index: 65464	Dates Last Seen	
Occ Rank: Unknown			Element: 1934-03-10	
Origin: Natural/Native occurrence			Site: 1934-03-10	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2006-07-25	
Main Source: MANIS 2006 (MUS)				

Quad Summary: KERMAN (3612061/359A)

County Summary: FRESNO

Lat/Long: 36.72527° / -120.08752°	Township: 14S
UTM: Zone-10 N4068351 E760102	Range: 17E
Radius: 1 mile	Section: 11
Elevation: 200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: 0.5 TO 1.5 MILES WEST OF KERMAN.

Location Detail: 5 SDNHM SPECIMENS (3 MALES & 2 FEMALES) COLLECTED FROM 0.5 TO 1.5 MILES WEST OF KERMAN.

General: SDNHM #17703 COLLECTED 6 OCT 1933. #18683-18685 COLLECTED 6 OCT & 22 NOV 1933. #18689 COLLECTED 20 MAR 1934. ALL COLLECTIONS BY A. E. CULBERTSON.

Owner/Manager: UNKNOWN

Occurrence No. 21	Map Index: 65399	EO Index: 65478	Dates Last Seen	
Occ Rank: Unknown			Element: 1934-06-25	
Origin: Natural/Native occurrence			Site: 1934-06-25	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2006-07-26	
Main Source: MANIS 2006 (MUS)				

Quad Summary: KERMAN (3612061/359A), JAMESAN (3612062/359B)

County Summary: FRESNO

Lat/Long: 36.72730° / -120.14334°	Township: 14S
UTM: Zone-10 N4068427 E755108	Range: 17E
Radius: 1 mile	Section: 08
Elevation: 200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: 5 MILES WEST OF KERMAN.

General: SDNHM #18686 COLLECTED 17 FEB 1934 & #18690 COLLECTED 25 JUN 1934. BOTH COLLECTIONS BY A. E. CULBERTSON.

Owner/Manager: UNKNOWN

Vulpes macrotis mutica

San Joaquin kit fox

Element Code: AMAJA03041

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G4T2T3	CDFG Status:
State: Threatened	State: S2S3	

Habitat Associations

General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.
Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.

Occurrence No.: 13	Map Index: 23595	EO Index: 9335	Dates Last Seen
Occ Rank: Unknown			Element: 1975-XX-XX
Origin: Natural/Native occurrence			Site: 1975-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-06-11
Main Source: MORRELL, S. 1975 (MAP)			

Quad Summary: KERMAN (3612061/359A), JAMESAN (3612062/359B), GRAVELLY FORD (3612072/380C)
County Summary: FRESNO

Lat/Long: 36.70785° / -120.15998°	Township: 14S
UTM: Zone-10 N4066224 E753687	Range: 17E
Area: 19,871.4 ac	Section: 18
Elevation: 190 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: VICINITY OF JAMESON; APPROXIMATELY 12 MILES ESE OF MENDOTA.

Location Detail: ONE DEN AND OBSERVATION REPORTED BETWEEN 1972-1975.

Threat: AGRICULTURE AND DEVELOPMENT.

Owner/Manager: UNKNOWN

9/06

Ambystoma californiense

California tiger salamander

Status	NDDB Element Ranks	Element Code: AAAAA01180	Other Lists
Federal: Threatened	Global: G2G3		
State: None	State: S2S3		CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.: 583	Map Index: 46277	EO Index: 46277	Dates Last Seen
Occ Rank: None			Element: 1936-05-16
Origin: Natural/Native occurrence			Site: 1936-05-16
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2002-08-20
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO

General: 1879 RECORD FROM THE USNM (#11794), NO OTHER INFORMATION GIVEN. CORNELL UNIVERSITY MUSEUM OF VERTEBRATES # 3017 (2 SPECIMENS) COLLECTED 16 MAY 1936 BY L.F. HADSELL. JENNINGS CONSIDERS THIS SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No.: 613	Map Index: 46427	EO Index: 46427	Dates Last Seen
Occ Rank: None			Element: 1974-05-03
Origin: Natural/Native occurrence			Site: 1974-05-03
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2001-11-07
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.85063° / -119.68563°	Township: 12S
UTM: Zone-11 N4081669 E260551	Range: 21E
Radius: 1 mile	Section: 33
Elevation: 380 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: WEST SIDE OF THE FRIANT-KERN CANAL, 1.5 MILES NORTHWEST OF HWY 168. NORTH OF CLOVIS.

Ecological: VERNAL POOL.

General: OBSERVATION BY L.G. DUNN (CDFG) DURING 1-3 MAY 1974 SURVEY. JENNINGS CONSIDERS THIS SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status	NDDDB Element Ranks	Other Lists
Federal: Threatened	Global: G3	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. 148	Map Index: 33666	EO Index: 30639	Dates Last Seen
Occ Rank: Unknown			Element: 1993-03-12
Origin: Natural/Native occurrence			Site: 1993-03-12
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-17
Main Source: SUGNET & ASSOC. 1993 (PERS)			

Quad Summary: ROUND MOUNTAIN (3611975/378D), CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.81407° / -119.63591°	Township: 13S
UTM: Zone-11 N4077489 E264873	Range: 21E
Radius: 3/5 mile	Section: 12
Elevation: 385 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: EAST OF DE WOLF AVE & SOUTH OF BULLARD AVE. EAST OF CLOVIS.
Location Detail: 1 FEATURE INSPECTED SOMEWHERE IN SECTION 12. BRANCHINECTA LYNCHI OBSERVED. NO LEPIDURUS PACKARDI OBSERVED.
Ecological: NATURAL VERNAL POOL.
General: SUGNET RECORD NUMBER 98.
Owner/Manager: UNKNOWN

Occurrence No. 404	Map Index: 64752	EO Index: 64831	Dates Last Seen
Occ Rank: Poor			Element: 2006-02-03
Origin: Natural/Native occurrence			Site: 2006-02-03
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-05-30
Main Source: LEE, S. 2006 (OBS)			

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.83106° / -119.63997°	Township: 13S
UTM: Zone-11 N4079385 E264563	Range: 21E
Radius: 80 meters	Section: 01
Elevation: 395 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: EAST SIDE OF ENTERPRISE CANAL, 0.3 MILE EAST OF DE WOLF AVENUE AND 0.4 MILE SOUTH OF HERNDON AVENUE, ENE OF CLOVIS.
Location Detail: IN SE1/4 OF NW1/4 SEC 1.
Ecological: HABITAT CONSISTS OF A 2' X 10' (1-2" IN DEPTH) PUDDLE THAT IS LIKELY A REMNANT OF VERNAL POOLS THAT ONCE WERE FOUND AT THIS SITE; PUDDLE CONTAINED A MUD SUBSTRATE AND WAS SLIGHTLY MURKY.
Threat: THREATENED BY HUMAN ACTIVITY IN AND AROUND THIS SITE AND FLOOD CONTROL DISTRICT ACTIVITIES WITHIN THE EASEMENT.
General: 3 ADULTS OBSERVED ON 3 FEB 2006.
Owner/Manager: PVT

Caulanthus californicus

California jewel-flower

Element Code: PDBRA31010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G1	CNPS List: 1B
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON JUNIPER WOODLAND.
Micro: HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH CENTRAL V. AND CARRIZO PLAIN. 65-900M.

Occurrence No. 38	Map Index: 46277	EO Index: 63230	Dates Last Seen
Occ Rank: None			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: 1986-03-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2005-11-09
Main Source: TAYLOR, D. W. 1986 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
	Qtr: XX
	Mapping Precision: NON-SPECIFIC
	Symbol Type: POINT

Location: FRESNO.
General: NO HABITAT REMAINS IN VICINITY OF FRESNO. UNKNOWN WHEN ORIGINALLY COLLECTED BY DAVIDSON (SN NO DATE LAN).
Owner/Manager: UNKNOWN

Coccyzus americanus occidentalis

western yellow-billed cuckoo

Element Code: ABNRB02022

Status	NDDB Element Ranks	Other Lists
Federal: Candidate	Global: G5T2Q	CDFG Status:
State: Endangered	State: S1	

Habitat Associations

General: (NESTING) RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.

Micro: NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, W/ LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

Occurrence No.: 87	Map Index: 14944	EO Index: 25589	Dates Last Seen
Occ Rank: None			Element: 1902-07-10
Origin: Natural/Native occurrence			Site: 1902-07-10
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: GAINES, D. 1977 (LIT)			

Quad Summary: SANGER (3611965/357A), MALAGA (3611966/357B), ROUND MOUNTAIN (3611975/378D), CLOVIS (3611976/378C)

County Summary: FRESNO

Lat/Long: 36.75271° / -119.63986°	Township: 13S
UTM: Zone-11 N4070690 E264333	Range: 21E
Radius: 1 mile	Section: 36
Elevation: 345 ft	Meridian: M
	Qtr: SW
	Mapping Precision: NON-SPECIFIC
	Symbol Type: POINT

Location: FANCHER CRK, 6 MI NE OF FRESNO.

General: REPORTED AS UNCOMMON BUT NESTING BY TYLER (1913).

Owner/Manager: PVT

Efferia antiochi

Antioch efferian robberfly

Element Code: IIDIP07010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1G3	CDFG Status:
State: None	State: S1S3	

Habitat Associations

General: KNOWN ONLY FROM CONTRA COSTA COUNTY AND FRESNO COUNTIES.
 Micro:

Occurrence No. 2	Map Index: 46277	EO Index: 63436	Dates Last Seen
Occ Rank: Unknown			Element: 1954-12-15
Origin: Natural/Native occurrence			Site: 1954-12-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-12-08
Main Source: FISCHER, R. 1988 (PERS.)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
	Qtr: XX
	Mapping Precision: NON-SPECIFIC
	Symbol Type: POINT

Location: FRESNO.

General: COLLECTED BY CHRIS THOMPSON; ALSO COLLECTED 24 OCT 1954 BY G. FRYMIRE. IN COLLECTION AT CSU FRESNO. PARATYPES.

Owner/Manager: UNKNOWN

Linderiella occidentalis

California *Linderiella*

Status	NDDB Element Ranks	Element Code: ICBRA06010	Other Lists
Federal: None	Global: G3		
State: None	State: S2S3		CDFG Status:

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. 34	Map Index: 33054	EO Index: 3693	Dates Last Seen
Occ Rank: Unknown			Element: 1994-03-29
Origin: Natural/Native occurrence			Site: 1994-03-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-16
Main Source: WESTPHAL, M. 1994 (MUS)			

Quad Summary: ROUND MOUNTAIN (3611975/378D), CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.83561° / -119.62808°	Township: 13S
UTM: Zone-11 N4079860 E265637	Range: 21E
Radius: 1/5 mile	Section: 01
Elevation: 400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: JUST SOUTH OF THE INTERSECTION ON HERNDON AVENUE AND HIGHLAND AVENUE, 3 MILES ENE OF CLOVIS.
Location Detail: #MW-94-04 COLLECTED AT THE SW CORNER OF HERNDON AVENUE AND HIGHLAND AVENUE; #MW-94-05 COLLECTED AT THE SE CORNER.
General: COLLECTION #MW-94-04 AND #MW-94-05, DEPOSITED AT DFG-IFD.
Owner/Manager: UNKNOWN

Lytta molesta

molestan blister beetle

Element Code: IICOL4C030

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

Habitat Associations

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

Micro:

Occurrence No. 13	Map Index: 46277	EO Index: 64456	Dates Last Seen
Occ Rank: Unknown			Element: 19XX-XX-XX
Origin: Natural/Native occurrence			Site: 19XX-XX-XX
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2006-03-30
Main Source: CA BEETLE PROJECT 2006 (PERS)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.

General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.

Owner/Manager:

Metapogon hurdi

Hurd's metapogon robberfly

Status	NDDB Element Ranks	Element Code: IIDIP08010	Other Lists
Federal: None	Global: G1G3		
State: None	State: S1S3		CDFG Status:

Habitat Associations

General: KNOWN ONLY FROM ANTIOCH (DUNES?) AND FRESNO.
Micro:

Occurrence No. 2	Map Index: 46277	EO Index: 60267	Dates Last Seen
Occ Rank: Unknown			Element: 1922-11-29
Origin: Natural/Native occurrence			Site: 1922-11-29
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2005-02-25
Main Source: WILCOX, J. 1964 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.

Location Detail: NO OTHER COLLECTION INFORMATION GIVEN.

General: HISTORICAL SPECIMENS. 4 MALE AND 6 FEMALE PARATYPES.

Owner/Manager: UNKNOWN

Sagittaria sanfordii

Sanford's arrowhead

Element Code: PMALI040Q0

Status	NDDDB Element Ranks	Other Lists
Federal: None State: None	Global: G3 State: S3.2	CNPS List: 1B R-E-D Code: 2-2-3

Habitat Associations

General: MARSHES AND SWAMPS.
Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No.: 3	Map Index: 24423	EO Index: 7075	Dates Last Seen	
Occ Rank: Unknown			Element: 1986-XX-XX	
Origin: Natural/Native occurrence			Site: 1986-XX-XX	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1993-11-15	
Main Source: CLARK, W. 1986 (PERS)				

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.82288° / -119.72991°	UTM: Zone-11 N4078702 E256514	Area: 39.7 ac	Elevation: 345 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 13S	Range: 21E	Section: 06	Qtr: SW	Meridian: M
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Location: HELM CANAL NEAR BULLARD AVE, CLOVIS
Location Detail: NORTHEAST OF CSU FRESNO RODEO GROUNDS.
Ecological: GROWING IN A CANAL.
Threat: PROPOSED BULLARD AVE. WIDENING PROJECT MAY HAVE IMPACTED THIS POPULATION.
General: MORE INFORMATION NEEDED ON THE CONDITION AND HABITAT OF THIS POPULATION.
Owner/Manager: UNKNOWN

Occurrence No.: 38	Map Index: 30074	EO Index: 18565	Dates Last Seen	
Occ Rank: Fair			Element: 1993-09-23	
Origin: Natural/Native occurrence			Site: 1993-09-23	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1994-08-03	
Main Source: YORK, D. 1993 (OBS)				

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.79330° / -119.74407°	UTM: Zone-11 N4075456 E255157	Radius: 80 meters	Elevation: 325 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 13S	Range: 20E	Section: 24	Qtr: NE	Meridian: M
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Location: LEAKY ACRES GROUNDWATER RECHARGE BASIN, SOUTH OF ASHLAN AVE AND WEST OF SIERRA VISTA AVE, FRESNO.
Location Detail: BASIN IS ABOUT 2 MILES NORTHWEST OF THE FRESNO AIR TERMINAL BUILDING. PLANTS FOUND IN NW CORNER OF PONDING BASIN 5A. WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 24.
Ecological: GROWING IN A LARGE, SHALLOW FRESHWATER POND IN ABOUT 6" OF WATER. SAGITTARIA LATIFOLIA OCCURS NEARBY.
Threat: POND MAINTENANCE ACTIVITIES MAY AFFECT THIS SITE.
General: MORE THAN 100 PLANTS OBSERVED IN 1993. EMERGENT VEGETATION IS SCARCE AT THIS SITE.
Owner/Manager: CITY OF FRESNO

Taxidea taxus

American badger

Element Code: AMAJF04010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S4	

Habitat Associations

General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

Micro: NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No. 80	Map Index: 56600	EO Index: 56616	Dates Last Seen
Occ Rank: Unknown			Element: 1987-08-27
Origin: Natural/Native occurrence			Site: 1987-08-27
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-09-02
Main Source: DAMERVAL, S. 1987 (OBS)			

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.78938° / -119.69158°	Township: 13S
UTM: Zone-11 N4074888 E259829	Range: 21E
Radius: 1/5 mile	Section: 21
Elevation: 250 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: SUNNYSIDE AVE, TARPEY VILLAGE, SOUTH CLOVIS.

Location Detail: DENNING IN A HOMEOWNER'S BACKYARD. LOCATION MAPPED ACCORDING TO ADDRESS GIVEN ON FORM.

General: 1 OBSERVED ON 27 AUG 1987.

Owner/Manager: PVT

<i>Tropidocarpum capparideum</i>		
caper-fruited tropidocarpum	Element Code: PDBRA2R010	
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3
Habitat Associations		
General: VALLEY AND FOOTHILL GRASSLAND.		
Micro: ALKALINE CLAY, 0-455M.		

Occurrence No. 22	Map Index: 46277	EO Index: 64783	Dates Last Seen
Occ Rank: Unknown			Element: 1930-04-12
Origin: Natural/Native occurrence			Site: 1930-04-12
Presence: Presumed Extant			Record Last Updated: 2006-05-19
Trend: Unknown			
Main Source: DE FOREST, H. SN RSA #428386 (HERB)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
 County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.
 Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB CENTERED ON THE CITY OF FRESNO, MAKING THE ASSUMPTION THAT THE SITE DESCRIPTION WAS REFERRING TO THE CITY OF FRESNO, NOT TO THE COUNTY OF FRESNO.
 General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1930 COLLECTION BY DE FOREST. NEEDS FIELDWORK.
 Owner/Manager: UNKNOWN

Tuctoria greenei

Greene's tuctoria

Element Code: PMPOA6N010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Rare	Global: G2 State: S2.2	CNPS List: 1B R-E-D Code: 2-3-3

Habitat Associations

General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: DRY BOTTOMS OF VERNAL POOLS IN OPEN GRASSLANDS. 30-1065M.

Occurrence No.: 22	Map Index: 14941	EO Index: 22344	Dates Last Seen
Occ Rank: None			Element: 1937-05-27
Origin: Natural/Native occurrence			Site: 1987-06-01
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1995-07-19
Main Source: HARRISON, S. 1981 (OBS)			

Quad Summary: CLOVIS (3611976/378C)
County Summary: FRESNO

Lat/Long: 36.85300° / -119.64264°	Township: 12S
UTM: Zone-11 N4081825 E264392	Range: 21E
Radius: 1/5 mile	Section: 26
Elevation: 405 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: 5 MILES NORTHEAST OF CLOVIS.

Location Detail: MAPPED IN THE VICINITY OF TOLLHOUSE ROAD AND NEES AVENUE.

Threat: RUMEX AND SWAMP TIMOTHY IN POOL.

General: SITE KNOWN FROM 1937 COLLECTION BY HOOVER (#2317, DS, RM). AREA SEARCHED IN 1981, 1987 BUT NO PLANTS SEEN. POPULATION PROBABLY EXTIRPATED PER STEBBINS, 1987 (BIOSYSTEMS ANALYSIS, 1988).

Owner/Manager: PVT

~~FRESNO NOR~~ **FRIANT**

9/06

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
 Federal: Threatened
 State: None

NDDB Element Ranks
 Global: G2G3
 State: S2S3

Other Lists
 CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 76 **Map Index:** 37893 **EO Index:** 32900 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1973-03-28
Origin: Natural/Native occurrence **Site:** 1973-03-28
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1998-01-12
Main Source: BRODE, J. 1986 (PERS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.98483° / -119.66352° **Township:** 11S
UTM: Zone-11 N4096505 E262939 **Range:** 21E
Radius: 3/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 10 **Qtr:** XX
Elevation: 680 ft **Symbol Type:** POINT **Meridian:** M

Location: ALONG MILLERTON ROAD IN THE VICINITY OF MILLERTON LAKE STATE RECREATION AREA, EAST OF FRIANT.

General: J. BRODE FIELD NOTES #186.

Owner/Manager: UNKNOWN

Occurrence No. 91 **Map Index:** 14875 **EO Index:** 28383 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1974-05-01
Origin: Natural/Native occurrence **Site:** 1974-05-01
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1996-01-03
Main Source: DUNN, L. 1974 (MAP)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.95299° / -119.69070° **Township:** 11S
UTM: Zone-11 N4093040 E260420 **Range:** 21E
Radius: 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 21 **Qtr:** SW
Elevation: 475 ft **Symbol Type:** POINT **Meridian:** M

Location: APPROX 2.5 MI SSW OF FRIANT, ON E SIDE OF FRIANT KERN CANAL.

Location Detail: LARVAE FOUND IN VERNAL POND ABOUT 0.12 ACRE, 3-4 FT DEEP.

Ecological: CATTLE PRESENT.

General: DUNN POND #5.

Owner/Manager: UNKNOWN

Occurrence No. 93 **Map Index:** 14918 **EO Index:** 28376 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1974-05-01
Origin: Natural/Native occurrence **Site:** 1974-05-01
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2001-11-14
Main Source: BRODE, J. 1986 (PERS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.96216° / -119.66070° **Township:** 11S
UTM: Zone-11 N4093983 E263120 **Range:** 21E
Radius: 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 22 **Qtr:** NE
Elevation: 600 ft **Symbol Type:** POINT **Meridian:** M

Location: 3.4 RD MI ON DIRT RD OFF MILLERTON RD, 3 AIR MI SE FRIANT.

Ecological: VERNAL POOL.

General: L. DUNN FIELD NOTES #13.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 124	Map Index: 32551	EO Index: 1755	Dates Last Seen
Occ Rank: Poor			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-13
Main Source: HALSTEAD, J. A. 1992 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.91077° / -119.73529°	UTM: Zone-11 N4088468 E256314	Area: 5.6 ac	Elevation: 360 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 12S	Range: 20E	Section: 01	Qtr: SE	Meridian: M
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Location: 1.2 KM SOUTH OF WILLOW AVENUE X FRIANT ROAD; 10 KM SSW OF FRIANT.

Location Detail: 3 POOLS AT SITE: 1 LARGE POOL IN NORTHERN REGION AND 2 SMALL POOLS IN SOUTHERN REGION.

Ecological: HABITAT CONSISTS OF THE LARGER POOL IN NORTHERN AREA OF SITE (~ 1 ACRE IN 1992) IN NON-NATIVE GRASSLAND. ROLLING HILL TOPOGRAPHY. DEGRADED BY CONSTRUCTION OF A RESIDENTIAL ROAD.

Threat: THREATENED BY FUTURE RESIDENTIAL HOUSING DEVELOPMENT.

General: "MANY" OBSERVED; WESTERN SPADEFOOT TOAD AND BRANCHINECTA LYNCHI ALSO OBSERVED AT SITE.

Owner/Manager: PVT

Occurrence No. 125	Map Index: 22172	EO Index: 18452	Dates Last Seen
Occ Rank: Fair			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-18
Main Source: HALSTEAD, J. A. 1992 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.98955° / -119.69674°	UTM: Zone-11 N4097113 E259997	Radius: 80 meters	Elevation: 580 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 21E	Section: 08	Qtr: NE	Meridian: M
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Location: ON THE SOUTH SIDE OF MILLERTON ROAD, 0.75 MILE EAST OF FRIANT.

Ecological: HABITAT CONSISTS OF A CATTLE POND SURROUNDED BY NON-NATIVE GRASSLAND HABITAT.

Threat: THREATENED BY RESIDENTIAL DEVELOPMENT.

General: "MANY" OBSERVED.

Owner/Manager: PVT

Occurrence No. 126	Map Index: 22173	EO Index: 27243	Dates Last Seen
Occ Rank: Fair			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-18
Main Source: HALSTEAD, J. 1992 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.98523° / -119.68572°	UTM: Zone-11 N4096605 E260964	Radius: 1/5 mile	Elevation: 575 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 21E	Section: 09	Qtr: SW	Meridian: M
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Location: ON THE SOUTH SIDE OF MILLERTON ROAD, 1.25 MILES EAST OF FRIANT.

Ecological: HABITAT CONSISTS OF 3 VERNAL POOLS SURROUNDED BY NON-NATIVE GRASSLAND HABITAT.

General: "MANY" OBSERVED.

Owner/Manager: DPR-MILLERTON LAKE SRA

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 127	Map Index: 22171	EO Index: 18450	Dates Last Seen
Occ Rank: Excellent			Element: 1993-03-30
Origin: Natural/Native occurrence			Site: 1993-03-30
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-10-19
Main Source: STEBBINS, J. 1992 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.97664° / -119.71324°	UTM: Zone-11 N4095722 E258487	Area: 708.9 ac	Elevation: 400 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 18	Qtr: XX	Meridian: M
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Location: BELOW FRIANT DAM. EAST OF FRIANT ROAD AND WEST OF THE FRIANT-KERN CANAL, SOUTH OF FRIANT.

Ecological: SALAMANDERS FOUND IN AN EXTENSIVE VERNAL POOL HABITAT IN GRASSLAND.

Threat: POTENTIAL THREAT OF DEVELOPMENT; CURRENT USE IS GRAZING.

General: ABOUT 100 ADULTS & 500 JUVENILES OBS IN 1992. 20+ LARVAE OBS ON 19 MARCH 1993 & A 3" LONG ADULT OBS ON 30 MARCH 1993, IN ONE OF LARGEST POOLS IN THE COMPLEX. SPADEFOOT TOADS ALSO VERY COMMON. MVZ 164875 COLL 25 MAR 1973 FROM THIS AREA.

Owner/Manager: UNKNOWN

Occurrence No. 135	Map Index: 24097	EO Index: 18715	Dates Last Seen
Occ Rank: Excellent			Element: 1993-03-17
Origin: Natural/Native occurrence			Site: 1993-03-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-09-08
Main Source: HATHORN, A. 1993 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.95557° / -119.71450°	UTM: Zone-11 N4093387 E258308	Area: 32.7 ac	Elevation: 440 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 19	Qtr: SE	Meridian: M
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Location: 1 MILE ESE OF LOST LAKE, 2 MILES SOUTH OF FRIANT.

Ecological: HABITAT CONSISTS OF A VERNAL POOL COMMUNITY, VEGETATED BY PLAGIOBOTHRYUS SP, BRODIAEA PULCHELLUM, ESCHSCHOLZIA SP, ETC.

Threat: CURRENTLY, THE MAIN THREAT IS OVERGRAZING.

General: 5 JUVENILES OBSERVED IN 1993.

Owner/Manager: UNKNOWN

Occurrence No. 223	Map Index: 25585	EO Index: 5487	Dates Last Seen
Occ Rank: Unknown			Element: 1991-04-15
Origin: Natural/Native occurrence			Site: 1991-04-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-07
Main Source: SHAFFER, H. ET AL 1993 (LIT)			

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.97550° / -119.75247°	UTM: Zone-11 N4095695 E254991	Radius: 1/5 mile	Elevation: 425 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 20E	Section: 14	Qtr: NE	Meridian: M
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Location: JUST EAST OF ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE EDGE OF LITTLE TABLE MOUNTAIN

Location Detail: SHAFFER SITE #111. LOCATED ON THE URRUTINA RANCH.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND.

General: THERE IS A VERY GENERALIZED RECORD OF CTS LARVA OBSERVED BY DUNN IN A VERNAL POOL ABOUT 3 MILES WEST OF FRIANT FROM SPRING 1969. CTS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 322	Map Index: 33076	EO Index: 19891	Dates Last Seen
Occ Rank: Good			Element: 1994-03-30
Origin: Natural/Native occurrence			Site: 1994-03-30
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-09-10
Main Source: STEBBINS, J. & B. TRAYLER 1994 (OBS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.96660° / -119.63658°	Township: 11S
UTM: Zone-11 N4094416 E265281	Range: 21E
Area: 9.7 ac	Section: 13
Elevation: 660 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILES WEST OF MILLERTON ROAD JUNCTION, APPROXIMATELY 4.5 MILES ESE OF FRIANT.
Location Detail: 2 VERNAL POOLS NEAR ROAD AND OLD RAILROAD GRADE
Ecological: VERNAL POOLS IN BLUE OAK WOODLAND, AUGMENTED BY RUNOFF FROM ROAD AND RAILROAD GRADE.
Threat: GRAZING AND PROPOSED SUBDIVISION/DEVELOPMENT
General: COLLECTION #RS-94-06, DEPOSITED AT DFG-IFD, AND #RS-94-07, DEPOSITED AT UCD. CAS# 199424, LARVA. 800 TADPOLES OBSERVED (1994). POOLS ALSO CONTAIN SPADEFOOT TOAD TADPOLES. SITE COULD BE PROTECTED BY AN EASEMENT.
Owner/Manager: PVT

Occurrence No. 624	Map Index: 46539	EO Index: 46539	Dates Last Seen
Occ Rank: Unknown			Element: 1984-03-13
Origin: Natural/Native occurrence			Site: 1984-03-13
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-08-21
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: FRIANT (3611986/378B), MILLERTON LAKE WEST (3711916/398C)
County Summary: MADERA

Lat/Long: 36.99674° / -119.73696°	Township: 11S
UTM: Zone-11 N4098012 E256439	Range: 20E
Radius: 2/5 mile	Section: 01
Elevation: 460 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: NORTHWEST OF MADERA CANAL, EAST OF ROAD 204, VICINITY OF JUNCTION OF ROAD 205 AND 206.
Location Detail: POOL IN VICINITY OF MADERA CANAL & ROAD 205, W OF FRIANT. POND AT JUNCTION OF ROADS 206 & 205, & AT ROAD 205, 0.5 MI EAST OF ROAD 204. WNW OF FRIANT.
General: FOR MADERA CANAL & ROAD 205 OBSERVATION, NO SPECIFIC DATE GIVEN, BUT PRIOR TO 1968. CAS #178430 COLLECTED 25 MAR 1982. UMMZ #188522 & 188523 COLLECTED 13 MARCH 1984 BY BOB HANSEN.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Status	NDDB Element Ranks	Element Code: AAAAA01180	Other Lists
Federal: Threatened	Global: G2G3		
State: None	State: S2S3		CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.: 626	Map Index: 46543	EO Index: 46543	Dates Last Seen
Occ Rank: None			Element: 1974-05-03
Origin: Natural/Native occurrence			Site: 1974-05-03
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2001-11-16
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.96575° / -119.68475°	Township: 11S
UTM: Zone-11 N4094441 E260989	Range: 21E
Radius: 2/5 mile	Section: 21
Elevation: 500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: VERNAL POOL ON EAST SIDE OF FRIANT-KERN CANAL, 2 MILES NORTH AUBERRY ROAD
General: UNKNOWN NUMBER OBSERVED/COLLECTED. JENNINGS CONSIDERS THIS SITE EXTIRPATED.
Owner/Manager: UNKNOWN

Occurrence No.: 656	Map Index: 47430	EO Index: 47430	Dates Last Seen
Occ Rank: Excellent			Element: 2002-02-23
Origin: Natural/Native occurrence			Site: 2002-02-23
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-03-14
Main Source: PADGETT-FLOHR, G. E. 2002 (OBS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92358° / -119.71469°	Township: 12S
UTM: Zone-11 N4089837 E258190	Range: 21E
Area: 13.1 ac	Section: 06
Elevation: 330 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: SOUTH OF LITTLE DRY CREEK AND WEST OF AUBERRY ROAD, 4.5 MILES SOUTH OF FRIANT
Location Detail: SURROUNDING LAND IS DESTINED TO BECOME A MITIGATION BANK.
Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND, WITH A RIPARIAN CORRIDOR CLOSE BY; TOPOGRAPHY IS MADE UP OF NUMEROUS MOUNDS/HARDPAN DEPRESSIONS, WITH SQUIRRELS AND GOPHERS. SITE IS WASHED OUT REGULARLY FROM PRECIPITATION OR SNOW-MELT RUN-OFF.
Threat: THREATENED BY USE AS A FLOOD CONTROL CHANNEL.
General: DOZENS OF JUVENILES OBSERVED ON 10 FEB 2002; COLLECTION MADE AND DEPOSITED AT CAS.
Owner/Manager: PVT

Occurrence No.: 708	Map Index: 49019	EO Index: 49019	Dates Last Seen
Occ Rank: Good			Element: 2002-02-08
Origin: Natural/Native occurrence			Site: 2002-02-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-15
Main Source: JENNINGS, M. R. 2002 (OBS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92790° / -119.71173°	Township: 11S
UTM: Zone-11 N4090309 E258467	Range: 21E
Radius: 80 meters	Section: 31
Elevation: 330 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: 0.3 MILES WEST OF AUBERRY ROAD, SOUTH OF LITTLE DRY CREEK, 4 MILES SOUTH OF FRIANT
Location Detail: SITE IS PROPOSED FOR A MITIGATION BANK.
Ecological: HABITAT CONSISTS OF A FLOOD CONTROL THAT FLOWS FROM DRY CREEK RESERVOIR THROUGH ANNUAL GRASSLANDS; NUMEROUS MOUNDS AND HARDPAN DEPRESSIONS.
Threat: POSSIBLE THREAT FROM WATER RELEASES FROM DRY CREEK RESERVOIR THAT COULD SCOUR OUT THE LARVAE
General: DOZENS OF LARVAE COLLECTED ON 8 FEB 2002, THEN DEPOSITED AT CAS (MRJ #1539).
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
 Federal: Threatened
 State: None

NDDB Element Ranks
 Global: G3
 State: S2S3

Other Lists
 CDFG Status:

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. 101 **Map Index:** 32551 **EO Index:** 1757 **Dates Last Seen**
Occ Rank: Poor **Element:** 1992-XX-XX
Origin: Natural/Native occurrence **Site:** 1992-XX-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1995-10-02
Main Source: HALSTEAD, J. 1992 (OBS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91077° / -119.73529° **Township:** 12S
UTM: Zone-11 N4088468 E256314 **Range:** 20E
Area: 5.6 ac **Mapping Precision:** SPECIFIC **Section:** 01 **Qtr:** SE
Elevation: 360 ft **Symbol Type:** POLYGON **Meridian:** M

Location: 1.2 KM SOUTH OF THE INTERSECTION BETWEEN WILLOW AVENUE AND FRIANT ROAD; 10 KM SSW OF FRIANT.
Location Detail: 3 CLOSELY SITUATED POOLS; 1 LARGE POOL IN NORTHERN AREA AND 2 SMALLER POOLS IN SOUTHERN AREA.
Ecological: 3 VERNAL POOLS IN NON-NATIVE GRASSLAND HABITAT; ROLLING HILL TOPOGRAPHY.
Threat: FUTURE HOUSING DEVELOPMENT; SEVERAL HOUSES ALREADY IN IMMEDIATE AREA.
General: "MANY" INDIVIDUALS OBSERVED IN 3 POOLS; WESTERN SPADEFOOT TOAD AND CALIFORNIAN TIGER SALAMANDER ALSO PRESENT.
Owner/Manager: PVT

Occurrence No. 189 **Map Index:** 36859 **EO Index:** 31856 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1993-04-XX
Origin: Natural/Native occurrence **Site:** 1993-04-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1997-09-24
Main Source: BELK, D. 1994 (PERS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.97427° / -119.70036° **Township:** 11S
UTM: Zone-11 N4095426 E259626 **Range:** 21E
Area: 641.9 ac **Mapping Precision:** NON-SPECIFIC **Section:** 17 **Qtr:** XX
Elevation: 460 ft **Symbol Type:** POLYGON **Meridian:** M

Location: 1 MILE SOUTH OF FRIANT DAM (LAKE MILLERTON), NORTH OF FRESNO.
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: COLLECTED BY ANNE HATHORN IN APRIL 1993; SENT TO DENTON BELK FOR IDENTIFICATION (DB#1166).
Owner/Manager: UNKNOWN

Occurrence No. 198 **Map Index:** 40245 **EO Index:** 35247 **Dates Last Seen**
Occ Rank: Fair **Element:** 1998-02-14
Origin: Natural/Native occurrence **Site:** 1998-02-19
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1998-11-30
Main Source: MARTINE, A. 1998 (OBS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.97622° / -119.66868° **Township:** 11S
UTM: Zone-11 N4095563 E262453 **Range:** 21E
Area: 937.4 ac **Mapping Precision:** NON-SPECIFIC **Section:** 15 **Qtr:** XX
Elevation: 600 ft **Symbol Type:** POLYGON **Meridian:** M

Location: MILLERTON NEW TOWN, IMMEDIATELY SOUTH OF MILLERTON ROAD, EAST OF FRIANT-KERN CANAL, NW OF AUBERY ROAD.
Location Detail: VERNAL POOL COMPLEX; VERNAL POOLS THAT CONTAIN FAIRY SHRIMP ARE OF GOOD QUALITY, THE REST OF THE SITE RANGES FROM MODERATE TO POOR.
Ecological: VERNAL POOLS IN GENTLY ROLLING ANNUAL GRASSLAND WITH A SCATTERING OF OAKS. THE ANNUAL GRASSLAND CONSISTS PRIMARILY OF NON NATIVE SP: STORKSBILL, HORDEUM SP, TRIFOLIUM SP, AVENA SP.
Threat: MODERATE TO HEAVY, GRAZING FROM CATTLE.
General: POOLS: #10 OBS <10'S; #19 OBS 100'S; #20 OBS 100'S; #20A OBS 100'S; #25 OBS <10'S; SPECIMENS (ADULT MALES/FEMALES & CYSTS) COLLECTED AT POOLS AND STORED AT CALIFORNIA ACADEMY OF SCIENCES.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
 Federal: Threatened
 State: None

NDDB Element Ranks
 Global: G3
 State: S2S3

Other Lists
 CDFG Status:

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. 322 **Map Index:** 48387 **EO Index:** 48387 **Dates Last Seen**
Occ Rank: Excellent **Element:** 2002-02-16
Origin: Natural/Native occurrence **Site:** 2002-02-16
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2002-07-29
Main Source: PADGETT-FLOHR, G. 2002 (OBS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91179° / -119.68856° **Township:** 12S
UTM: Zone-11 N4088463 E260481 **Range:** 21E
Area: 17.9 ac **Mapping Precision:** SPECIFIC **Section:** 04 **Qtr:** XX
Elevation: 435 ft **Symbol Type:** POLYGON **Meridian:** M

Location: 5 MI SSE OF FRIANT; 1.0 - 1.5 MILES NORTH OF COPPER AVE & 1.4 - 1.7 MILES EAST OF AUBERRY RD. WEST OF FRIANT KERN CANAL
Ecological: HABITAT CONSISTS OF VERNAL POOLS IN ANNUAL GRASSLAND. AREA IS USED FOR CATTLE-GRAZING.
General: 1000'S OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE 323 (TO THE EAST) ON 16 FEB 2002. NUMBERS 609-624 COLLECTED FOR CAL. ACADEMY OF SCIENCES. SITE TARGETED TO BECOME A MITIGATION BANK.
Owner/Manager: PVT

Occurrence No. 323 **Map Index:** 48391 **EO Index:** 48391 **Dates Last Seen**
Occ Rank: Excellent **Element:** 2002-02-16
Origin: Natural/Native occurrence **Site:** 2002-02-16
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2002-07-29
Main Source: PADGETT-FLOHR, G. 2002 (OBS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91512° / -119.67997° **Township:** 12S
UTM: Zone-11 N4088811 E261257 **Range:** 21E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 04 **Qtr:** SE
Elevation: 425 ft **Symbol Type:** POINT **Meridian:** M

Location: 5 MILES SSE OF FRIANT; 1.3 MILES NORTH OF COPPER AVE AND 2 MILES EAST OF AUBERRY ROAD. WEST OF FRIANT KERN CANAL.
Ecological: HABITAT CONSISTS OF VERNAL POOL IN ANNUAL GRASSLAND. AREA IS USED FOR CATTLE-GRAZING.
General: 1000'S OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE 322 (TO THE WEST) ON 16 FEB 2002. NUMBERS 609-624 COLLECTED FOR CAL. ACADEMY OF SCIENCES. SITE TARGETED TO BECOME A MITIGATION BANK.
Owner/Manager: PVT

Occurrence No. 324 **Map Index:** 48392 **EO Index:** 48392 **Dates Last Seen**
Occ Rank: Excellent **Element:** 2002-02-10
Origin: Natural/Native occurrence **Site:** 2002-02-10
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2002-07-29
Main Source: PADGETT-FLOHR, G. 2002 (OBS)

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92880° / -119.72742° **Township:** 11S
UTM: Zone-11 N4090449 E257073 **Range:** 21E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 31 **Qtr:** SW
Elevation: 375 ft **Symbol Type:** POINT **Meridian:** M

Location: ABOUT 4 MILES SSW OF FRIANT; NEAR LITTLE DRY CREEK, 0.2 MILES EAST OF FRIANT ROAD.
Ecological: HABITAT CONSISTS OF NUMEROUS MOUNDS AND HARDPAN DEPRESSIONS (NEAR A RIPARIAN CORRIDOR) WITHIN AN ANNUAL GRASSLAND. MANY CALIFORNIA TIGER SALAMANDERS, WESTERN SPADEFOOT TOADS, MIDVALLEY FAIRY SHRIMP AND GROUND SQUIRRELS IN VICINITY.
General: 100'S OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCES 325 AND 326 (TO THE EAST) ON 10 FEB 2002. NUMBERS 601-607 COLLECTED FOR CAL. ACADEMY OF SCIENCES. SITE IS USED FOR CATTLE-GRAZING AND IS TARGETED TO BECOME A MITIGATION BANK.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G3	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. 325	Map Index: 48393	EO Index: 48393	Dates Last Seen	
Occ Rank: Excellent			Element: 2002-02-10	
Origin: Natural/Native occurrence			Site: 2002-02-10	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2002-07-29	
Main Source: PADGETT-FLOHR, G. 2002 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92929° / -119.71195°	UTM: Zone-11 N4090464 E258452	Radius: 80 meters	Elevation: 360 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 21E	Section: 31	Qtr: SE	Meridian: M
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Location: 3.9 MILES DIRECTLY SOUTH OF FRIANT; APPROXIMATELY 0.3 MILES WEST OF AUBERRY ROAD, EAST OF CREEK.

Ecological: HABITAT CONSISTS OF NUMEROUS MOUNDS AND HARDPAN DEPRESSIONS (NEAR A RIPARIAN CORRIDOR) WITHIN AN ANNUAL GRASSLAND. MANY CALIFORNIA TIGER SALAMANDERS, WESTERN SPADEFOOT TOADS, MIDVALLEY FAIRY SHRIMP AND GROUND SQUIRRELS IN VICINITY.
General: 100'S OBS BETWEEN THIS OCCURRENCE & OCCURRENCES 324 (TO WEST) & 326 (TO SOUTH) ON 10 FEB 2002. NUMBERS 601-607 COLLECTED FOR CAL. ACADEMY OF SCIENCES. SITE IS USED FOR CATTLE-GRAZING AND IS TARGETED TO BECOME A MITIGATION BANK.

Owner/Manager: PVT

Occurrence No. 326	Map Index: 47430	EO Index: 48394	Dates Last Seen	
Occ Rank: Excellent			Element: 2002-02-10	
Origin: Natural/Native occurrence			Site: 2002-02-10	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2002-07-29	
Main Source: PADGETT-FLOHR, G. 2002 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92358° / -119.71469°	UTM: Zone-11 N4089837 E258190	Area: 13.1 ac	Elevation: 330 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 12S	Range: 21E	Section: 06	Qtr: SE	Meridian: M
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Location: 4.5 MILES SOUTH OF FRIANT; 0.2 TO 0.4 MILE WEST OF AUBERRY ROAD, LOCATED BETWEEN 2 CREEKS.

Ecological: HABITAT CONSISTS OF NUMEROUS MOUNDS AND HARDPAN DEPRESSIONS (NEAR A RIPARIAN CORRIDOR) WITHIN AN ANNUAL GRASSLAND. MANY CALIFORNIA TIGER SALAMANDERS, WESTERN SPADEFOOT TOADS, MIDVALLEY FAIRY SHRIMP AND GROUND SQUIRRELS IN VICINITY.
General: 100'S OBS BETWEEN THIS OCCURRENCE & OCCURRENCES 324 (TO NW) AND 325 (TO NORTH) ON 10 FEB 2002. NUMBERS 601-607 COLLECTED FOR CAL. ACADEMY OF SCIENCES. SITE IS USED FOR CATTLE-GRAZING AND IS TARGETED TO BECOME A MITIGATION BANK.

Owner/Manager: PVT

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CDFG Status:

State: None

State: S2

Habitat Associations

General: VERNAL POOLS IN THE CENTRAL VALLEY

Micro:

Occurrence No. 22 Map Index: 47427 EO Index: 47427 Dates Last Seen
 Occ Rank: Excellent Element: 2002-02-10
 Origin: Natural/Native occurrence Site: 2002-02-10
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2002-03-14
 Main Source: PADGETT-FLOHR, G. E. 2002 (OBS)

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.92967° / -119.71144° Township: 11S
 UTM: Zone-11 N4090505 E258499 Range: 21E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 31 Qtr: SE
 Elevation: 335 ft Symbol Type: POINT Meridian: M

Location: SOUTH OF LITTLE DRY CREEK AND WEST OF AUBERRY ROAD, 4 MILES SOUTH OF FRIANT

Location Detail: SITE IS DESTINED TO BECOME A MITIGATION BANK.

Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND, WITH A RIPARIAN CORRIDOR CLOSE BY; TOPOGRAPHY IS MADE UP OF NUMEROUS MOUNDS & HARDPAN DEPRESSIONS. SITE IS A BREEDING AREA WHICH IS WASHED OUT REGULARLY FROM PRECIPITATION OR SNOW-MELT RUN-OFF.

Threat: THREATENED BY USE AS A FLOOD CONTROL CHANNEL.

General: 25 ADULTS OBSERVED ON 10 FEB 2002; COLLECTION MADE AND DEPOSITED AT CAS.

Owner/Manager: PVT

Occurrence No. 48 Map Index: 48374 EO Index: 48374 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: 2002-07-25
 Main Source: ROGERS, D. 2001 (MAP)

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.88961° / -119.63571° Township: 12S
 UTM: Zone-11 N4085870 E265122 Range: 21E
 Radius: 1/10 mile Mapping Precision: NON-SPECIFIC Section: 13 Qtr: NW
 Elevation: 430 ft Symbol Type: POINT Meridian: M

Location: 5.6 MILES NE OF CLOVIS; 0.35 MILE SOUTH OF THE FRIANT KERN CANAL ALONG AN UNIMPROVED ROAD.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #036 ON AN UNKNOWN DATE. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

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. 1	Map Index: 14831	EO Index: 30719	Dates Last Seen	
Occ Rank: Fair			Element: 1995-04-25	
Origin: Natural/Native occurrence			Site: 1995-04-25	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1998-12-11	
Main Source: STEBBINS, J. & B. TRAYLER 1995 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91133° / -119.71542°	UTM: Zone-11 N4088480 E258086	Township: 12S	Range: 21E
Radius: 80 meters	Elevation: 407 ft	Mapping Precision: SPECIFIC	Section: 06
		Symbol Type: POINT	Qtr: SE
		Meridian: M	

Location: EAST SIDE OF AUBERRY ROAD, ABOUT 1.1 MILES NORTH OF COPPER AVE AND ABOUT 5.5 AIRMILES SOUTH OF FRIANT.
Ecological: SWALE-LIKE VERNAL POOL IN NONNATIVE GRASSLAND. ASSOCIATED WITH MIMULUS TRICOLOR, ERYNGIUM VASEYI, DOWNINGIA SP., PLAGIOBOTHRYUS STIPITATUS, & PSILOCARPUS BREVISSIMUS. SPADEFOOT TOAD ALSO REPORTED FROM THIS SITE.
Threat: DEVELOPMENT, WIDENING OF AUBERRY ROAD THREATEN. HEAVILY GRAZED. SITE IS SURROUNDED BY ORCHARDS AND DEVELOPMENT.
General: 12 INDIVIDUALS OBSERVED IN 1986, SITE SEVERELY OVERGRAZED IN 1993 AND NO PLANTS FOUND. 20 PLANTS IN 1995. PROPERTY DONATED TO CSU FRESNO (1994?). CSUF INTENDS TO SELL IT, DEVELOPMENT LIKELY.
Owner/Manager: PVT

Occurrence No. 17	Map Index: 14850	EO Index: 21621	Dates Last Seen	
Occ Rank: Excellent			Element: 1992-04-09	
Origin: Natural/Native occurrence			Site: 1992-04-09	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1994-02-25	
Main Source: STEBBINS & HOLEMAN 1984 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.97077° / -119.70493°	UTM: Zone-11 N4095049 E259208	Township: 11S	Range: 21E
Area: 15.1 ac	Elevation: 400 ft	Mapping Precision: SPECIFIC	Section: 17
		Symbol Type: POLYGON	Qtr: SW
		Meridian: M	

Location: ABOUT ONE AIR MILE SOUTH OF TOWN OF FRIANT.
Ecological: VERNAL POOLS ON SANDY TO CLAY LOAM SOILS WITHIN VALLEY GRASSLAND. ASSOCIATED WITH ERYNGIUM, DOWNINGIA, PLAGIOBOTHRYUS, MARSILEA, LASTHENIA, AND MIMULUS TRICOLOR.
Threat: POSSIBLE DEVELOPMENT AND GRAZING.
General: MORE THAN 1000 INDIVIDUALS IN 1984, ONLY 60 OBSERVED IN 1992.
Owner/Manager: PVT

Occurrence No. 32	Map Index: 25122	EO Index: 28381	Dates Last Seen	
Occ Rank: Excellent			Element: 1991-04-05	
Origin: Natural/Native occurrence			Site: 1991-04-05	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1994-02-25	
Main Source: STEBBINS, J. 1991 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.96195° / -119.71118°	UTM: Zone-11 N4094086 E258624	Township: 11S	Range: 21E
Radius: 80 meters	Elevation: 400 ft	Mapping Precision: SPECIFIC	Section: 19
		Symbol Type: POINT	Qtr: NE
		Meridian: M	

Location: 1.5 MILES DUE SOUTH OF FRIANT.
Location Detail: MAPPED 1.3 MILES DUE EAST OF THE SOUTHEAST CORNER OF LOST LAKE. SITE IS WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 19.
Ecological: EXTENSIVE VERNAL POOL SYSTEM WITHIN VALLEY GRASSLAND COMMUNITY. ASSOCIATED WITH HORDEUM GENICULATUM, LASTHENIA FREMONTII, ERYNGIUM VASEYI, CRASSULA ERECTA, AND PSILOCARPUS.

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.

Threat: PRESENTLY UNDER CATTLE GRAZING; LAND IS BEING CONSIDERED FOR DEVELOPMENT.

General: 40 PLANTS OBSERVED IN 1991. ALTHOUGH THE TAXON WAS OBSERVED IN ONLY ONE POOL IT IS LIKELY THAT IT OCCURS IN SOME OF THE OTHER HUNDREDS OF POOLS HERE. SITE SHOULD BE PROTECTED VIA RESTRICTING GRAZING, EASEMENTS, AND HYDROLOGY PRESERVATION.

Owner/Manager: PVT

Occurrence No. 40	Map Index: 29049	EO Index: 30717	Dates Last Seen
Occ Rank: Excellent			Element: 1996-05-04
Origin: Natural/Native occurrence			Site: 1996-05-04
Presence: Presumed Extant			Record Last Updated: 1997-03-20
Trend: Unknown			
Main Source: STEBBINS, J. & B. TRAYLER 1996 (OBS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92871° / -119.72754°	Township: 11S
UTM: Zone-11 N4090439 E257062	Range: 21E
Area: 9.9 ac	Section: 31
Elevation: 400 ft	Meridian: M
	Qtr: SW
Mapping Precision: SPECIFIC	
Symbol Type: POLYGON	

Location: ABOUT 0.25 MI E OF FRIANT ROAD AND 0.5 MI S OF LITTLE DRY CREEK.

Ecological: LARGE (APPROX. 1 ACRE) VERNAL POOL IN NONNATIVE GRASSLAND. WITH ALOPECURUS HOWELLII, ORCUTTIA INAEQUALIS, LYTHRUM HYSSOPIFOLIUM, AND PSILOCARPUS BREVISSIMUS. PROBABLE FAIRY SHRIMP SITE AND EXCELLENT AMPHIBIAN HABITAT.

Threat: URBAN DEVELOPMENT THREATENS.

General: 300 PLANTS IN 1996.

Owner/Manager: PVT

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CNPS List: 2
State: None	State: S3.1	R-E-D Code: 1-2-1

Habitat Associations

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

Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 120	Map Index: 62482	EO Index: 62519	Dates Last Seen
Occ Rank: Unknown			Element: 1979-04-26
Origin: Natural/Native occurrence			Site: 1979-04-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-09-06
Main Source: TANOWITZ, B. #1743 UCR #25447 (HERB)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.92310° / -119.70977°	Township: 12S
UTM: Zone-11 N4089772 E258626	Range: 21E
Area: 35.0 ac	Section: 05
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

Location: AUBERRY ROAD, CIRCA 2 MILES NORTH OF COPPER ROAD, ON THE EAST SIDE OF THE ROAD.

Location Detail: MAPPED ALONG AUBERRY ROAD APPROXIMATELY 2 MILES NORTH OF COPPER ROAD BY CNDDB.

Ecological: VERNAL POOLS WITH MIMULUS TRICOLOR AND PSILOCARPUS TENELLA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1979 COLLECTION BY TANOWITZ. THIS IS A NEW COUNTY FOR THIS SPECIES AND IS THE SOUTHERNMOST OCCURRENCE MAPPED BY CNDDB.

Owner/Manager: UNKNOWN

Eryngium spinosepalum

spiny-sepaled button-celery

Element Code: PDAPI0Z0Y0

Status	NDDB Element Ranks	Other Lists
Federal: None	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.: 30	Map Index: 50757	EO Index: 50757	Dates Last Seen
Occ Rank: Unknown			Element: 1928-05-22
Origin: Natural/Native occurrence			Site: 1928-05-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-03-26
Main Source: JEPSON #12904 JEPS #16986 (HERB)			

Quad Summary: FRIANT (3611986/378B), MILLERTON LAKE WEST (3711916/398C)

County Summary: FRESNO, MADERA

Lat/Long: 36.99013° / -119.71142°	Township: 11S
UTM: Zone-11 N4097214 E258692	Range: 21E
Radius: 1 mile	Section: 07
Elevation:	Meridian: M
	Qtr: XX
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

Location: FRIANT, FRESNO COUNTY.

Ecological: BEDS OF FORMER WINTER POOLS.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1928 COLLECTION BY JEPSON. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Great Valley Mixed Riparian Forest

Status		NDDB Element Ranks		Element Code: CTT61420CA	
Federal:	None	Global:	G2	Other Lists	
State:	None	State:	S2.2		
Habitat Associations					
General:					
Micro:					

Occurrence No.: 36	Map Index: 14761	EO Index: 15633	Dates Last Seen
Occ Rank: Unknown			Element: 1983-10-27
Origin: Natural/Native occurrence			Site: 1983-10-27
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-07-21
Main Source: HOOD, L. 1980 (LIT)			

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.93375° / -119.75252°	Township: 11S
UTM: Zone-11 N4091063 E254853	Range: 20E
Area: 103.6 ac	Section: 35
Elevation: 280 ft	Meridian: M
	Qtz: E
Mapping Precision: SPECIFIC	
Symbol Type: POLYGON	

Location: BALL RANCH ROOKERY VIC, ALONG SAN JOAQUIN RIVER, S OF LEDGER ISLAND.
Location Detail: MAP GENERALIZED FROM 1983 USAGE AERIAL PHOTOS.
Ecological: RIPARIAN ASSOC W/POPULUS FREMONTII, SALIX SPP, ALNUS RHOMBIFOLIA & PALNTUS RACEMOSA. ADJ TO GRASSLAND W/VALLEY OAKS.
General: THIS WAS OCC #026 OF CTT61420CA.
Owner/Manager: PVT

Leptosiphon serrulatus

Madera leptosiphon

Element Code: PDPLM09130

Status	NDDB Element Ranks	Other Lists
Federal: None	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.: 9	Map Index: 30838	EO Index: 3954	Dates Last Seen
Occ Rank: Unknown			Element: 1967-04-22
Origin: Natural/Native occurrence			Site: 1967-04-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-21
Main Source: BRADFORD SN HSU #17115 (HERB)			

Quad Summary: FRIANT (3611986/378B), MILLERTON LAKE WEST (3711916/398C)

County Summary: FRESNO

Lat/Long: 37.00344° / -119.67156°	Township: 11S
UTM: Zone-11 N4098591 E262281	Range: 21E
Radius: 2/5 mile	Section: 03
Elevation: 650 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: W
Symbol Type: POINT	

Location: EAST SIDE OF SOUTH BAY OF MILLERTON LAKE.

Location Detail: 2 MILES NORTH OF BOAT RAMPS ON EAST SIDE OF SOUTH BAY.

Ecological: FOOTHILL WOODLAND ASSOCIATED WITH QUERCUS DOUGLASII, LUPINUS BICOLOR, L. PACHYLOBUS, GILIA TRICOLOR, ORTHOCARPUS ATTENUATUS, AND LITHOPHRAGMA SCABRELLA. ON DECOMPOSED GRANITE SOIL.

General: ONLY SOURCES OF INFORMATION ARE 1929 COLLECTION BY QUIBELL (#1156 POM #226010 AT RSA) AND 1967 COLLECTION BY BRADFORD (SN HSU #17115).

Owner/Manager: UNKNOWN

Linderiella occidentalis

California *Linderiella*

Element Code: ICBRA06010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	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.: 1	Map Index: 24602	EO Index: 6391	Dates Last Seen
Occ Rank: Good			Element: 1993-03-24
Origin: Natural/Native occurrence			Site: 1993-03-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-09-20
Main Source: MCFALL, M. 1993 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: MADERA

Lat/Long: 36.98227° / -119.73825°	Township: 11S
UTM: Zone-11 N4096410 E256278	Range: 20E
Radius: 80 meters	Section: 12
Elevation: 440 ft	Meridian: M
	Qtr: SE
Mapping Precision: SPECIFIC	
Symbol Type: POINT	

Location: ALONG MADERA CANAL, 1.5 MILES WSW OF FRIANT.

General: SEVERAL OBSERVED IN 1993.

Owner/Manager: BOR

Lytta moesta

moesian blister beetle

_____ **Status** _____

Federal: None

State: None

_____ **NDDB Element Ranks** _____

Global: G2

State: S2

_____ **Element Code:** IICOL4C020 _____

_____ **Other Lists** _____

CDFG Status:

_____ **Habitat Associations** _____

General: CENTRAL CALIFORNIA.

Micro:

Occurrence No.: 3

Map Index: 64361

EO Index: 64440

_____ **Dates Last Seen** _____

Occ Rank: Unknown

Element: 19XX-XX-XX

Origin: Natural/Native occurrence

Site: 19XX-XX-XX

Presence: Possibly Extirpated

Trend: Unknown

Record Last Updated: 2006-03-28

Main Source: CALIFORNIA BEETLE PROJECT 2006 (PERS)

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO, MADERA

Lat/Long: 36.98663° / -119.70939°

UTM: Zone-11 N4096821 E258861

Radius: 2/5 mile

Elevation: 410 ft

Township: 11S

Range: 21E

Section: 07

Meridian: M

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Qtr: SE

Location: FRIANT, ABOUT 0.85 MILE SOUTHWEST OF MILLERTON LAKE.

General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

----- Status ----- NDDDB Element Ranks ----- Other Lists -----
 Federal: None Global: G3
 State: None State: S3.1

----- Habitat Associations -----
 General:
 Micro:

Occurrence No. 22 Map Index: 14877 EO Index: 28005 Dates Last Seen -----
 Occ Rank: Unknown Element: 1983-XX-XX
 Origin: Natural/Native occurrence Site: 1983-XX-XX
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 1998-07-15
 Main Source: HOOD, L. 1977 (LIT)

Quad Summary: FRIANT (3611986/378B)
 County Summary: FRESNO

Lat/Long: 36.90355° / -119.68653° Township: 12S
 UTM: Zone-11 N4087544 E260636 Range: 21E
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 09 Qtr: W
 Elevation: 380 ft Symbol Type: POINT Meridian: M

Location: COPPER HILL VERNAL POOL. (NW OF JCT COPPER & ARMSTRONG AVENUES, VICINITY OF CLOVIS).
 Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
 Threat: HYDROLOGY ALTERED BY SURROUNDING DEVELOPMENT PER STEBBINS, 1983.
 General: MAY NO LONGER FIT EO CRITERIA.
 Owner/Manager: UNKNOWN

Occurrence No. 122 Map Index: 20262 EO Index: 14614 Dates Last Seen -----
 Occ Rank: Excellent Element: 1991-04-XX
 Origin: Natural/Native occurrence Site: 1991-04-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-15
 Main Source: STEBBINS, J. 1991 (OBS)

Quad Summary: FRIANT (3611986/378B)
 County Summary: FRESNO

Lat/Long: 36.95532° / -119.71101° Township: 11S
 UTM: Zone-11 N4093350 E258618 Range: 21E
 Area: 295.3 ac Mapping Precision: NON-SPECIFIC Section: 20 Qtr: XX
 Elevation: 400 ft Symbol Type: POLYGON Meridian: M

Location: ABOUT TWO AIR MILES SOUTH OF FRIANT, AND ONE AIR MILE EAST OF LOST LAKE RECREATION AREA.
 Location Detail: NUMEROUS VERNAL POOLS DISTRIBUTED OVER THREE SECTIONS WITH THE BULK LYING ON THE BORDER BETWEEN SECTIONS 19 AND 20.
 Ecological: CONTAINS AT LEAST ONE LISTED SPECIES (ORTHOCARPUS CAMPESTRIS SUCCULENTIS) AND POSSIBLY TIGER SALAMANDERS. SPECIES LIST NOT AVAILABLE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
 Threat: GRAZING. BEING STUDIED FOR POSSIBLE DEVELOPMENT.
 General: BEST AND LARGEST EXAMPLE OF VERNAL POOLS LEFT IN FRESNO COUNTY.
 Owner/Manager: 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.
 Micro: 30-755M.

Occurrence No. 22	Map Index: 14887	EO Index: 22386	Dates Last Seen
Occ Rank: None			Element: 1976-05-XX
Origin: Natural/Native occurrence			Site: 1987-06-01
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1995-07-13
Main Source: HOLLAND, R. SN AHUC (HERB)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.90022° / -119.68014°	Township: 12S
UTM: Zone-11 N4087158 E261196	Range: 21E
Radius: 1/5 mile	Section: 09
Elevation: 395 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: N OF COPPER AVE 0.5 MI NW OF JCT. OF COPPER AND ARMSTRONG AVE.

Threat: HABITAT ELIMINATED BY ALTERED HYDROLOGIC REGIME. NUMEROUS WEEDY, NONNATIVE SPECIES NOW DOMINATE.

General: PLANTS SEEN IN 1976, DESPITE DROUGHT. NO PLANTS SEEN IN 1981, 83, 85 OR 87. ACC TO STEBBINS, NO VIABLE HABITAT REMAINS DUE TO HYDROLOGIC ALTERATIONS TO A NEARBY STREAM PROJECT. SITE ALSO DAMAGED BY HORSEBACK RIDING AND ORVS.

Owner/Manager: UNKNOWN

Occurrence No. 53	Map Index: 29049	EO Index: 30718	Dates Last Seen
Occ Rank: Excellent			Element: 1996-05-25
Origin: Natural/Native occurrence			Site: 1996-05-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-20
Main Source: STEBBINS, J. & B. TRAYLER 1996 (OBS)			

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92871° / -119.72754°	Township: 11S
UTM: Zone-11 N4090439 E257062	Range: 21E
Area: 9.9 ac	Section: 31
Elevation: 400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: ABOUT 0.25 MI E OF FRIANT ROAD AND 0.5 MI S OF LITTLE DRY CREEK.

Ecological: LARGE (APPROX. 1 ACRE) VERNAL POOL IN NONNATIVE GRASSLAND. WITH ALOPECURUS HOWELLII, CASTILLEJA CAMPESTRIS SUCCULENTA, LYTHRUM HYSSOPIFOLIUM, AND PSILOCARPHUS BREVISSIMUS. PROBABLE FAIRY SHRIMP SITE AND EXCELLENT AMPHIBIAN HABITAT.

Threat: URBAN DEVELOPMENT THREATENS.

General: 300 PLANTS IN 1996.

Owner/Manager: PVT

Pseudobahia bahiifolia

Hartweg's golden sunburst

Element Code: PDAST7P010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

Micro: CLAY SOILS, PREDOMINANTLY ON THE NORTHERN SLOPES OF KNOLLS, BUT ALSO ALONG SHADY CREEKS OR NEAR VERNAL POOLS. 15-150M.

Occurrence No. 1	Map Index: 14795	EO Index: 7949	Dates Last Seen
Occ Rank: None			Element: 1980-XX-XX
Origin: Natural/Native occurrence			Site: 1990-03-24
Presence: Extirpated			
Trend: Decreasing			Record Last Updated: 1993-03-22
Main Source: STEBBINS, J. 1980 (OBS)			

Quad Summary: FRIANT (3611986/378B), MILLERTON LAKE WEST (3711916/398C)

County Summary: MADERA

Lat/Long: 36.99845° / -119.73359°	Township: 10S
UTM: Zone-11 N4098194 E256745	Range: 20E
Area: 12.8 ac	Section: 36
Elevation: 460 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: JUNCTION OF NORTH FORK ROAD (ROAD 145) & RD 206, EAST OF RD 206; 1.6 AIRMI WEST OF FRIANT DAM.

Ecological: VERNAL POOL.

Threat: NEAR A PUMICITE QUARRY. EAST SIDE OF ROAD HAS MINERAL EXCAVATION PLANT, STORE, AND PARKING LOT ON SITE.

General: NOT FOUND IN 1981 OR 1986 SEARCH. IN 1990, SITE HAD BEEN CONVERTED TO A PISTACHIO ORCHARD. A POTENTIAL SUBDIVISION IS PLANNED FOR THE CURRENT ORCHARD SITE.

Owner/Manager: PVT

Occurrence No. 21	Map Index: 14849	EO Index: 7948	Dates Last Seen
Occ Rank: Excellent			Element: 2001-03-24
Origin: Natural/Native occurrence			Site: 2001-03-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-01-24
Main Source: STEBBINS, J. 1991 (LIT)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.98772° / -119.70585°	Township: 11S
UTM: Zone-11 N4096932 E259180	Range: 21E
Area: 52.5 ac	Section: 08
Elevation: 440 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: W
Symbol Type: POLYGON	

Location: 0.2 MI EAST OF TOWN OF FRIANT, NEAR FRIANT WATER TANK.

Location Detail: DUE WEST OF FRIANT-KERN CANAL AND SOUTH OF MILLERTON RD.

Ecological: ON TOPS OF ROLLING LOW HILLS IN VALLEY GRASSLAND AND VERNAL POOLS IN ROCKLIN LOAM SOIL. ASSOCIATED WITH BROMUS RUBENS, MULLA MARITIMA, VULPIA MYUROS, ERODIUM BOTYRS, LUPINUS BICOLOR, AND FESTUCA.

Threat: PROPOSED TRANSMISSION LINE CONSTRUCTION WILL AVOID DISTURBANCE TO TAXON. GRAZING, DEVELOPMENT, AND ORVS THREATEN POP.

General: 400 PLANTS IN 1984, 150 IN 1987 (LOW RAINFALL), 2000 IN 1989, 800 IN 1990, 2500 IN 1992, 600 IN 1995, UNKNOWN # IN 2001. PORTION OF SITE FENCED (1988). "MILLERTON NEW TOWN" AND FRIANT REDEVELOPMENT PLAN HAVE INCREASED DEVELOPMENT PRESSURE.

Owner/Manager: BOR, PVT

Pseudobahia bahiifolia

Hartweg's golden sunburst

Element Code: PDAST7P010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

Micro: CLAY SOILS, PREDOMINANTLY ON THE NORTHERN SLOPES OF KNOLLS, BUT ALSO ALONG SHADY CREEKS OR NEAR VERNAL POOLS. 15-150M.

Occurrence No. 22	Map Index: 14847	EO Index: 7947	Dates Last Seen
Occ Rank: Excellent			Element: 1995-04-01
Origin: Natural/Native occurrence			Site: 1995-04-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-02-15
Main Source: STEBBINS, J. 1991 (LIT)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.97958° / -119.70644°	Township: 11S
UTM: Zone-11 N4096031 E259101	Range: 21E
Area: 11.2 ac	Section: 17
Elevation: 460 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

Location: ABOUT 0.5 AIRMI S OF TOWN OF FRIANT.

Ecological: TOPS OF ROLLING HILLS INTERSPERSED WITH VALLEY GRASSLAND AND VERNAL POOLS. GROWING ON ROCKLIN SAND LOAM PUMICE SOIL IN ASSOCIATION WITH BROMUS RUBENS, MULLA MARITIMA, BROMUS MOLLIS, AMSINCKIA INTERMEDIA, LUPINUS BICOLOR, AND FESTUCA.

Threat: GRAZING, TRAMPLING, POTENTIAL DEVELOPMENT, AND NEARBY CANAL THREATEN. PROPOSED TRANSMISSION LINE WILL AVOID TAXON.

General: SITE NEEDS PROTECTION FROM NEARBY DEVELOPMENT. ABOUT 200 PLANTS SEEN IN 1990, 600 PLANTS HERE AND AT OCC. 23 IN 1995. THE STATE LISTED ENDANGERED CASTILLEJA CAMPESTRIS VAR. SUCCULENTA OCCURS IN VERNAL POOLS BETWEEN THE HILLS.

Owner/Manager: PVT

Occurrence No. 23	Map Index: 14857	EO Index: 7946	Dates Last Seen
Occ Rank: Excellent			Element: 1995-04-01
Origin: Natural/Native occurrence			Site: 1995-04-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-01-24
Main Source: STEBBINS, J. 1991 (LIT)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.97137° / -119.70634°	Township: 11S
UTM: Zone-11 N4095119 E259085	Range: 21E
Area: 16.5 ac	Section: 17
Elevation: 460 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: ABOUT ONE AIRMI SSE OF TOWN OF FRIANT, 0.5 MI W OF THE FRIANT-KERN CANAL.

Ecological: TOPS OF LOW ROLLING HILLS INTERSPERSED WITH NON-NATIVE GRASSLAND AND VERNAL POOLS. ASSOCIATED WITH BROMUS RUBENS, BROMUS MOLLIS, MULLA MARITIMA, AMSINCKIA INTERMEDIA, AND FESTUCA. ORTHOCARPUS CAMPESTRIS VAR. SUCCULENTUS GROWING NEARBY.

Threat: POSSIBLE DEVELOPMENT AND CANAL THREATEN. PROPOSED TRANSMISSION LINE CONSTRUCTION WILL AVOID SPECIES TO PREVENT DISTURB.

General: 2 POPULATIONS HERE: 400 PLANTS IN 1990, 600 HERE AND AT OCC #22 IN 1995. EXCESSIVE GRAZING HAS ALSO IMPACTED POPULATION OVER THE YEARS.

Owner/Manager: PVT

Pseudobahia bahiifolia

Hartweg's golden sunburst

Element Code: PDAST7P010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND

Micro: CLAY SOILS, PREDOMINANTLY ON THE NORTHERN SLOPES OF KNOLLS, BUT ALSO ALONG SHADY CREEKS OR NEAR VERNAL POOLS. 15-150M.

Occurrence No. 24	Map Index: 22190	EO Index: 7945	Dates Last Seen
Occ Rank: Excellent			Element: 1992-04-15
Origin: Natural/Native occurrence			Site: 1992-04-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-03-22
Main Source: STEBBINS, J. 1991 (OBS)			

Quad Summary: FRIANT (3611986/378B)

County Summary: FRESNO

Lat/Long: 36.97115° / -119.71578°	UTM: Zone-11 N4095119 E258243	Radius: 80 meters	Elevation: 440 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 21E	Section: 18	Meridian: M	Qtr: SE
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Location: APPROX. 1.5 KM (1 MI) SOUTH OF FRIANT, 1 KM (0.6 MI) EAST OF GRAVEL PIT.

Location Detail: LOCATED WITHIN THE CENTER OF THE SE 1/4 OF SECTION 18.

Ecological: GROWING ON ROCKLIN VOLCANIC SOILS WITHIN VALLEY GRASSLAND WITH MIMA MOUND TOPOGRAPHY. ASSOCIATED WITH BROMUS RUBENS, MULLA MARITIMA, AND LUPINUS BICOLOR.

Threat: GRAZING AND POTENTIAL DEVELOPMENT THREATEN.

Owner/Manager: PVT

Occurrence No. 26	Map Index: 22862	EO Index: 7943	Dates Last Seen
Occ Rank: Good			Element: 2004-03-20
Origin: Natural/Native occurrence			Site: 2004-03-20
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-03-01
Main Source: STEBBINS, J. 1991 (LIT)			

Quad Summary: FRIANT (3611986/378B), MILLERTON LAKE WEST (3711916/398C)

County Summary: MADERA

Lat/Long: 37.00363° / -119.72536°	UTM: Zone-11 N4098748 E257494	Area: 49.2 ac	Elevation: 450 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 06	Meridian: M	Qtr: W
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Location: 1.4 MILES NORTH OF SAN JOAQUIN RIVER AT FRIANT BRIDGE, ON PROPERTY OF CALIFORNIA INDUSTRIAL MINERALS, NR PUMICE QUARRY.

Location Detail: LARGE COLONY OF 7 SUBPOPULATIONS AT THIS SITE.

Ecological: GRASSLAND HABITAT DOMINATED BY BROMUS DIANDRUS. FOUND WITH BROMUS RUBENS, ERODIUM BOTRYS, E. CICUTARIUM, GILIA TRICOLOR, LASTHENIA FREMONTII, PLAGIOBOTHRYUS NOTHOFULVUS, THYSANOCARPUS CURVIPES, NEMOPHILA MENZIESII, & LUPINUS BICOLOR.

Threat: ON-GOING QUARRY OPERATIONS, ORV USE, GRAZING, AND POTENTIAL COMMERCIAL DEVELOPMENT.

General: EXTENSIVE POPULATION DESPITE DISTURBANCES. APPROX. 18,000 PLANTS SEEN IN 1989 AND 1990, 16,000+ SEEN IN 1991. LESS THAN 10,000 SEEN IN 2004.

Owner/Manager: PVT

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 27	Map Index: 22171	EO Index: 20000	Dates Last Seen	
Occ Rank: Excellent			Element: 1992-04-05	
Origin: Natural/Native occurrence			Site: 1992-04-05	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1993-03-30	
Main Source: STEBBINS, J. 1992 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.97664° / -119.71324°	UTM: Zone-11 N4095722 E258487	Area: 708.9 ac	Elevation: 400 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 18	Qtr: XX	Meridian: M
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Location: EAST OF FRIANT ROAD AND WEST OF THE FRIANT-KERN CANAL, SOUTH OF FRIANT.
Ecological: SPADEFOOT TOADS FOUND IN AN EXTENSIVE VERNAL POOL HABITAT IN GRASSLAND.
Threat: POTENTIAL THREAT OF DEVELOPMENT; CURRENT USE IS GRAZING.
General: TIGER SALAMANDERS ALSO VERY COMMON IN THE AREA.
Owner/Manager: UNKNOWN

Occurrence No. 28	Map Index: 23081	EO Index: 20430	Dates Last Seen	
Occ Rank: Fair			Element: 1992-XX-XX	
Origin: Natural/Native occurrence			Site: 1992-XX-XX	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1993-06-03	
Main Source: HALSTEAD, J. A. 1992 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.98360° / -119.69843°	UTM: Zone-11 N4096457 E259827	Area: 120.6 ac	Elevation: 500 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 08	Qtr: XX	Meridian: M
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Location: EAST OF FRIANT-KERN CANAL, SW OF MILLERTON LAKE STATE RECREATION AREA.
Location Detail: BOTH ADULTS AND JUVENILES FOUND IN 3 CATTLE PONDS LOCATED 0.5 MILE APART.
Ecological: HABITAT CONSISTS OF 3 CATTLE PONDS SURROUNDED BY GRAZED NON-NATIVE GRASSLAND.
Threat: POSSIBLE THREAT OF RESIDENTIAL DEVELOPMENT.
General: MANY ADULTS AND JUVENILES OBSERVED DURING 1992 VISIT TO THIS SITE.
Owner/Manager: PVT

Occurrence No. 29	Map Index: 32551	EO Index: 1756	Dates Last Seen	
Occ Rank: Poor			Element: 1992-XX-XX	
Origin: Natural/Native occurrence			Site: 1992-XX-XX	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1995-10-02	
Main Source: HALSTEAD, J. A. 1992 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91077° / -119.73529°	UTM: Zone-11 N4088468 E256314	Area: 5.6 ac	Elevation: 360 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 12S	Range: 20E	Section: 01	Qtr: SE	Meridian: M
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Location: 1.2 KM SOUTH OF THE INTERSECTION OF FRIANT ROAD AND WILLOW AVENUE, 10 KM SSW OF FRIANT.
Location Detail: THREE CLOSELY-SITUATED VERNAL POOLS: 1 LARGE POOL IN NORTHERN REGION AND 2 SMALLER POOLS IN SOUTHERN REGION.
Ecological: HABITAT CONSISTS OF THREE VERNAL POOLS WITHIN NON-NATIVE GRASSLAND; ROLLING HILL TOPOGRAPHY.
Threat: POSSIBLE THREAT OF RESIDENTIAL DEVELOPMENT; SEVERAL HOUSES ARE ALREADY FOUND IN THE IMMEDIATE AREA.
General: OBSERVATION; NUMBER AND LIFE STAGE UNKNOWN, AMBYSTOMA CALIFORNIENSE AND BRANCHINECTA LYNCHI ALSO PRESENT.
Owner/Manager: PVT

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 103	Map Index: 33337	EO Index: 517	Dates Last Seen	
Occ Rank: Good			Element: 1995-04-03	
Origin: Natural/Native occurrence			Site: 2001-11-27	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2002-01-02	
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.91139° / -119.71441°	UTM: Zone-11 N4088484 E258177	Radius: 80 meters	Elevation: 405 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 12S	Range: 21E	Section: 06	Qtr: SE	Meridian: M
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Location: 1 MILE NORTH OF COPPER AVENUE, ON THE EAST SIDE OF AUBERRY ROAD, 5.5 MILES SOUTH OF FRIANT
Location Detail: LOCATED IN A VERNAL POOL IMMEDIATELY ADJACENT TO THE ROAD.
Ecological: HABITAT CONSISTS OF A VERNAL POOL IN NON-NATIVE GRASSLAND. RANA CATESBIANA AND HYLIA REGILLA ALSO PRESENT.
Threat: SITE HAS BEEN DISKED/GRAZED IN THE PAST, PRIOR TO DONATION TO CSU FRESNO. IF CSU SELLS IT, DEVELOPMENT IS A POSSIBILITY.
General: APPROXIMATELY 100 LARVAE OBSERVED ON 3 APRIL 1995. SITE WAS OBSERVED ON 27 NOV 2001, AND SITE APPEARED TO BE EXTIRPATED, ALTHOUGH THIS IS NOT THE CORRECT TIME OF YEAR FOR CONDUCTING SURVEYS.
Owner/Manager: CSU-FRESNO

Occurrence No. 118	Map Index: 33076	EO Index: 7317	Dates Last Seen	
Occ Rank: Good			Element: 1994-03-29	
Origin: Natural/Native occurrence			Site: 1994-03-29	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1996-07-26	
Main Source: STEBBINS, J. & B. TRAYLER 1994 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.96660° / -119.63658°	UTM: Zone-11 N4094416 E265281	Area: 9.7 ac	Elevation: 660 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 21E	Section: 13	Qtr: SW	Meridian: M
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Location: NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILES WEST OF MILLERTON ROAD JUNCTION, APPROXIMATELY 4.5 MILES ESE OF FRIANT.
Location Detail: 2 VERNAL POOLS NEAR ROAD AND OLD RAILROAD GRADE.
Ecological: VERNAL POOLS IN BLUE OAK WOODLAND, AUGMENTED BY RUNOFF FROM ROAD AND RAILROAD GRADE.
Threat: GRAZING AND PROPOSED SUBDIVISION/DEVELOPMENT.
General: SPADEFOOT TOAD TADPOLES OBSERVED 3/29/94. TIGER SALAMANDER TADPOLES ALSO OBSERVED. NEED EASEMENT TO PROTECT THIS SITE.
Owner/Manager: PVT

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 241	Map Index: 49020	EO Index: 49020	Dates Last Seen	
Occ Rank: Good			Element: 2002-03-27	
Origin: Natural/Native occurrence			Site: 2002-03-27	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2002-10-15	
Main Source: JENNINGS, M. R. 2002 (OBS)				

Quad Summary: FRIANT (3611986/378B)
County Summary: FRESNO

Lat/Long: 36.92934° / -119.71063°	Township: 11S
UTM: Zone-11 N4090466 E258570	Range: 21E
Radius: 80 meters	Section: 31
Elevation: 410 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: 0.1 MILE WEST OF AUBERRY ROAD, SOUTH OF LITTLE DRY CREEK, 7 MILES SOUTH OF FRIANT
Location Detail: SITE IS PROPOSED AS A MITIGATION BANK.
Ecological: HABITAT CONSISTS OF A VERNAL POOL IN AN AREA OF NUMEROUS MOUNDS AND DEPRESSIONS; SURROUNDED BY GRAZED GRASSLANDS.
General: 9 LARVAE COLLECTED (MRJ #1540) ON 27 MAR 2002 AND DEPOSITED AT CAS.
Owner/Manager: PVT

Occurrence No. 249	Map Index: 25585	EO Index: 49453	Dates Last Seen	
Occ Rank: Unknown			Element: 1991-04-15	
Origin: Natural/Native occurrence			Site: 1991-04-15	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 2002-11-21	
Main Source: SHAFFER, H. ET AL 1993 (LIT)				

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97550° / -119.75247°	Township: 11S
UTM: Zone-11 N4095695 E254991	Range: 20E
Radius: 1/5 mile	Section: 14
Elevation: 425 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: JUST EAST OF ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE EDGE OF LITTLE TABLE MOUNTAIN
Location Detail: SHAFFER SITE #111. LOCATED ON THE URRUTINA RANCH.
Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND.
General: SPADEFoot TOADS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.
Owner/Manager: PVT

Sycamore Alluvial Woodland

Element Code: CTT62100CA

_____ Status _____ NDDB Element Ranks _____ Other Lists _____
 Federal: None Global: G1
 State: None State: S1.1

_____ Habitat Associations _____
 General:
 Micro:

Occurrence No. 9 Map Index: 22658 EO Index: 17208 Dates Last Seen _____
 Occ Rank: Fair Element: 1992-09-28
 Origin: Natural/Native occurrence Site: 1992-09-28
 Presence: Presumed Extant Record Last Updated: 1998-07-21
 Trend: Unknown
 Main Source: KEELER-WOLF, T. 1992 (OBS)

Quad Summary: FRIANT (3611986/378B)
 County Summary: FRESNO

Lat/Long: 36.94031° / -119.68562° Township: 11S
 UTM: Zone-11 N4091621 E260832 Range: 21E
 Area: 28.5 ac Mapping Precision: SPECIFIC Section: 28 Qtr: SW
 Elevation: 360 ft Symbol Type: POLYGON Meridian: M

Location: LITTLE DRY CREEK; NORTH OF ADJACENT AUBERRY RD AND JUST EAST OF THE FRIANT-KERN CANAL IN FRESNO COUNTY.
 Location Detail: THREE POLYGONS ALONG LITTLE DRY CREEK EXTENDING FROM THE SOUTHERN PART OF SECTION 28 INTO THE SE PART OF SECTION 29 AND THE NE PART OF SECTION 32.
 Ecological: A FAIRLY CLOSED WOODLAND ON A RELATIVELY FINE-GROUND TO COBBLY ALLUVIUM. STRONGLY DOMINATED BY SYCAMORES WITH A DENSE, GRASSY UNDERSTORY. THIS AREA IS WELL WATERED BY THE FRIANT-KERN CANAL. BERMUDA GRASS AND SCATTERED NETTLES ALSO PRESENT.
 Threat: GRAZING AND CANAL LEAKAGE POSE THREATS TO THIS OCCURRENCE.
 General: THIS WAS OCC #009 OF CTT62100CA.
 Owner/Manager: PVT

9/06

Agelaius tricolor

tricolored blackbird

Status	NDDB Element Ranks	Element Code: ABPBXB0020
Federal: None	Global: G2G3	Other Lists
State: None	State: S2	CDFG Status: SC

Habitat Associations

General: (NESTING COLONY) HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.
Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Occurrence No. 269	Map Index: 24424	EO Index: 6138	Dates Last Seen
Occ Rank: None			Element: 1975-XX-XX
Origin: Natural/Native occurrence			Site: 1975-XX-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1993-10-06
Main Source: BEEDY, E. ET AL 1991 (LIT)			

Quad Summary: FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.82473° / -119.75553°	Township: 13S
UTM: Zone-11 N4078973 E254235	Range: 20E
Radius: 1/5 mile	Section: 02
Elevation: 330 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: NW OF BULLARD AVENUE AND CEDAR AVENUE, FRESNO.
Location Detail: SIZE OF COLONY IS 3-4 ACRES, AND IS LOCATED IN A FLOOD CONTROL BASIN.
Ecological: NESTING SUBSTRATE IS A CATTAIL MARSH.
General: 3000 INDIVIDUALS OBSERVED; SEVERAL OBSERVATIONS IN JUNE-JULY 1975 INDICATED SUCCESSFUL NESTING. COLONY FORAGED ON CSUF GRAIN FIELDS TO THE EAST. COLONY WAS ABANDONED WHEN HABITAT WAS ELIMINATED AS PART OF FLOOD CONTROL BASIN MAINTENANCE.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Status	NDDB Element Ranks	Element Code: AAAAA01180	Other Lists
Federal: Threatened	Global: G2G3		
State: None	State: S2S3		CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 583	Map Index: 46277	EO Index: 46277	Dates Last Seen
Occ Rank: None			Element: 1936-05-16
Origin: Natural/Native occurrence			Site: 1936-05-16
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2002-08-20
Main Source: JENNINGS, M. & M. HAYES 1994 (PERS)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO

General: 1879 RECORD FROM THE USNM (#11794). NO OTHER INFORMATION GIVEN. CORNELL UNIVERSITY MUSEUM OF VERTEBRATES # 3017 (2 SPECIMENS) COLLECTED 16 MAY 1936 BY L.F. HADSELL. JENNINGS CONSIDERS THIS SITE EXTIRPATED.

Owner/Manager: UNKNOWN

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. 7	Map Index: 14708	EO Index: 17658	Dates Last Seen
Occ Rank: None			Element: 1938-05-17
Origin: Natural/Native occurrence			Site: 1981-06-02
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2003-08-05
Main Source: HARRISON & FERREIRA 1981 (OBS)			

Quad Summary: FRESNO NORTH (3611977/379D)
 County Summary: FRESNO

Lat/Long: 36.86577° / -119.78070°	Township: 12S
UTM: Zone-11 N4083592 E252122	Range: 20E
Radius: 1/5 mile	Section: 27
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: FRIANT RD N OF SP RR TRACKS, APPROX 1.2 MI N OF JCT FRIANT RD & BLACKSTONE, HWY 41.

General: COLLECTED ON ROAD TO FRIANT, NEAR PINDALE BY HOOVER IN 1938. SITE COMPLETELY DISKED IN 1981.

Owner/Manager: UNKNOWN

Caulanthus californicus

California jewel-flower

Status	NDDDB Element Ranks	Element Code: PDBRA31010	Other Lists
Federal: Endangered	Global: G1		CNPS List: 1B
State: Endangered	State: S1.1		R-E-D Code: 3-3-3

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON JUNIPER WOODLAND.
Micro: HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH CENTRAL V. AND CARRIZO PLAIN. 65-900M.

Occurrence No.: 38	Map Index: 46277	EO Index: 63230	Dates Last Seen
Occ Rank: None			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: 1986-03-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2005-11-09
Main Source: TAYLOR, D. W. 1986 (LIT)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°		Township: 13S
UTM: Zone-11 N4073392 E251931		Range: 20E
Radius: 5 mile	Mapping Precision: NON-SPECIFIC	Section: 27
Elevation: 300 ft	Symbol Type: POINT	Meridian: M
		Qtr: XX

Location: FRESNO.
General: NO HABITAT REMAINS IN VICINITY OF FRESNO. UNKNOWN WHEN ORIGINALLY COLLECTED BY DAVIDSON (SN NO DATE LAN).
Owner/Manager: UNKNOWN

Dipodomys nitratoides exilis

Fresno kangaroo rat

Status	NDDB Element Ranks	Element Code: AMAFD03151	Other Lists
Federal: Endangered	Global: G3T1		
State: Endangered	State: S1		CDFG Status:

Habitat Associations

General: ALKALI SINK-OPEN GRASSLAND HABITATS IN WESTERN FRESNO COUNTY.

Micro: BARE ALKALINE CLAY-BASED SOILS SUBJECT TO SEASONAL INUNDATION, WITH MORE FRIABLE SOIL MOUNDS AROUND SHRUBS & GRASSES.

Occurrence No.: 15	Map Index: 14593	EO Index: 23963	Dates Last Seen
Occ Rank: None			Element: 1898-04-23
Origin: Natural/Native occurrence			Site: 1898-04-23
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2006-07-25
Main Source: BAILEY, V. 1891 (MUS)			

Quad Summary: FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77910° / -119.84460°	Township: 13S
UTM: Zone-11 N4074142 E246138	Range: 20E
Radius: 1 mile	Section: 30
Elevation:	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO; 4 MILES NORTH OF RAILROAD STATION ALONG SOUTHERN PACIFIC RIGHT-OF-WAY.

Ecological: AREA COMPLETELY DEVELOPED.

General: TYPE LOCALITY. COLLECTED BY BAILEY 23 SEP 1891; U. S. BIOLOGICAL SURVEY COLLECTIONS (BSC) #34843/43823. ALSO COLLECTED FROM "FRESNO" BY C.P. STREATOR 22-23 APRIL 1898 (MVZ #19064-19067 COMPLETE SKULLS & STUDY SKINS).

Owner/Manager: PVT

Efferia antiochi

Antioch efferian robberfly

Status	NDDB Element Ranks	Element Code: IIDIP07010	Other Lists
Federal: None	Global: G1G3		
State: None	State: S1S3		CDFG Status:

Habitat Associations
 General: KNOWN ONLY FROM CONTRA COSTA COUNTY AND FRESNO COUNTIES.
 Micro:

Occurrence No. 2	Map Index: 46277	EO Index: 63436	Dates Last Seen
Occ Rank: Unknown			Element: 1954-12-15
Origin: Natural/Native occurrence			Site: 1954-12-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-12-08
Main Source: FISCHER, R. 1988 (PERS.)			

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951°	Township: 13S
UTM: Zone-11 N4073392 E251931	Range: 20E
Radius: 5 mile	Section: 27
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FRESNO.
General: COLLECTED BY CHRIS THOMPSON; ALSO COLLECTED 24 OCT 1954 BY G. FRYMIRE. IN COLLECTION AT CSU FRESNO. PARATYPES.
Owner/Manager: UNKNOWN

Occurrence No. 3	Map Index: 63347	EO Index: 63439	Dates Last Seen
Occ Rank: Unknown			Element: 1935-10-10
Origin: Natural/Native occurrence			Site: 1935-10-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-12-08
Main Source: FISCHER, E. 1988 (PERS)			

Quad Summary: FRESNO NORTH (3611977/379D)
County Summary: FRESNO, MADERA

Lat/Long: 36.85747° / -119.84374°	Township: 12S
UTM: Zone-11 N4082837 E246473	Range: 19E
Radius: 2/5 mile	Section: 25
Elevation: 260 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: SCOUT ISLAND, SAN JOAQUIN RIVER.
General: COLLECTED BY G. WILSON 10 OCT 1935, IN COLLECTION AT CSU FRESNO. PARATYPES.
Owner/Manager: UNKNOWN

Lytta molesta

molestan blister beetle

Status _____ NDDB Element Ranks _____ Element Code: IICOL4C030
 Federal: None Other Lists _____
 State: None Global: G2 CDFG Status: _____
 State: S2

Habitat Associations _____

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

Micro:

Occurrence No. 7 Map Index: 14685 EO Index: 22651 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: 2006-03-30
 Main Source: SELANDER, R. 1960 (LIT)

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.87661° / -119.79181° Township: 12S
 UTM: Zone-11 N4084824 E251167 Range: 20E
 Radius: 1/5 mile Mapping Precision: NON-SPECIFIC Section: 21 Qtr: NW
 Elevation: Symbol Type: POINT Meridian: M

Location: LANES BRIDGE, 10 MILES NORTH OF FRESNO.

General: SEASONAL DISTRIBUTION: APRIL 3 TO JULY 1. 3 COLLECTED IN APRIL; YEAR OF COLLECTION UNKNOWN.

Owner/Manager: UNKNOWN

Occurrence No. 13 Map Index: 46277 EO Index: 64456 Dates Last Seen _____
 Occ Rank: Unknown Element: 19XX-XX-XX
 Origin: Natural/Native occurrence Site: 19XX-XX-XX
 Presence: Possibly Extirpated
 Trend: Unknown Record Last Updated: 2006-03-30
 Main Source: CA BEETLE PROJECT 2006 (PERS)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951° Township: 13S
 UTM: Zone-11 N4073392 E251931 Range: 20E
 Radius: 5 mile Mapping Precision: NON-SPECIFIC Section: 27 Qtr: XX
 Elevation: 300 ft Symbol Type: POINT Meridian: M

Location: FRESNO.

General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.

Owner/Manager:

Metapogon hurdi

Hurd's metapogon robberfly

Status _____ Element Code: IIDIP08010
 Federal: None NDDB Element Ranks Global: G1G3 Other Lists _____
 State: None State: S1S3 CDFG Status: _____

Habitat Associations

General: KNOWN ONLY FROM ANTIOCH (DUNES?) AND FRESNO.

Micro:

Occurrence No. 2 Map Index: 46277 EO Index: 60267 Dates Last Seen _____
 Occ Rank: Unknown Element: 1922-11-29
 Origin: Natural/Native occurrence Site: 1922-11-29
 Presence: Possibly Extirpated
 Trend: Unknown Record Last Updated: 2005-02-25
 Main Source: WILCOX, J. 1964 (LIT)

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951° Township: 13S
 UTM: Zone-11 N4073392 E251931 Range: 20E
 Radius: 5 mile Mapping Precision: NON-SPECIFIC Section: 27 Qtr: XX
 Elevation: 300 ft Symbol Type: POINT Meridian: M

Location: FRESNO.

Location Detail: NO OTHER COLLECTION INFORMATION GIVEN.

General: HISTORICAL SPECIMENS. 4 MALE AND 6 FEMALE PARATYPES.

Owner/Manager: UNKNOWN

Northern Claypan Vernal Pool

_____ Status _____		_____ NDDB Element Ranks _____		_____ Element Code: CTT44120CA _____	
Federal: None		Global: G1		Other Lists	_____
State: None		State: S1.1			
_____ Habitat Associations _____					
General:					
Micro:					

Occurrence No.: 6	Map Index: 14687	EO Index: 26474	Dates Last Seen
Occ Rank: Unknown			Element: 1980-01-XX
Origin: Natural/Native occurrence			Site: 1980-01-XX
Presence: Presumed Extant			
Trend: Unknown			
Main Source: HOOD, L. 1977 (LIT) CNACC			Record Last Updated: 1998-07-15

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.86226° / -119.79161°	Township: 12S
UTM: Zone-11 N4083231 E251138	Range: 20E
Radius: 1 mile	Section: 28
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: N OF PINEDALE. E SIDE BOUNDED BY FRIANT RD. W SIDE BOUNDED BY RIV BLUFF.
Location Detail: ABOUT 700 ACRES.
Ecological: SERIES OF MIMA MOUNDS W/INTERSPERSED POOLS. ENDANGERED ORTHOCARPUS SUCCULENTUS, ORCUTTIA CALIFORNICA VAR INEQUALIS HERE. GRASSLAND W/ HIGH % EXOTICS.
Threat: AREA GRAZED. RESIDENTIAL DEVEL IS A THREAT.
General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Owner/Manager: UNKNOWN

Orcuttia inaequalis

San Joaquin Valley orcutt grass

Status	NDDB Element Ranks	Element Code: PMPOA4G060
Federal: Threatened	Global: G2	Other Lists
State: Endangered	State: S2.1	CNPS List: 1B
		R-E-D Code: 2-3-3

Habitat Associations
 General: VERNAL POOLS.
 Micro: 30-755M.

Occurrence No. 21	Map Index: 14687	EO Index: 22388	Dates Last Seen
Occ Rank: None			Element: 1927-05-27
Origin: Natural/Native occurrence			Site: 1987-06-01
Presence: Extirpated			Record Last Updated: 1995-07-13
Trend: Unknown			
Main Source: KLYVER, F. #1006 DS (HERB)			

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.86226° / -119.79161°	Township: 12S
UTM: Zone-11 N4083231 E251138	Range: 20E
Radius: 1 mile	Section: 28
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: NEAR LANE'S BRIDGE NEAR FRIANT.
General: THIS REGION HAS BEEN LEVELED AND IS NOW BEING DEVELOPED FOR RESIDENTIAL AND COMMERCIAL USES AS WELL AS RECREATION ACCORDING TO STEBBINS (1987).
Owner/Manager: UNKNOWN

Perognathus inornatus inornatus

San Joaquin pocket mouse

Status	NDDB Element Ranks	Element Code: AMAFD01061
Federal: None	Global: G4T2T3	Other Lists
State: None	State: S2S3	CDFG Status:

Habitat Associations
 General: TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS.
 Micro: NEEDS FRIABLE SOILS.

Occurrence No. 14	Map Index: 14685	EO Index: 23938	Dates Last Seen
Occ Rank: Unknown			Element: 1911-04-07
Origin: Natural/Native occurrence			Site: 1911-04-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-11
Main Source: CHANDLER, W. 1911 (MUS)			

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.87661° / -119.79181°	Mapping Precision: NON-SPECIFIC	Township: 12S
UTM: Zone-11 N4084824 E251167	Symbol Type: POINT	Range: 20E
Radius: 1/5 mile		Section: 21
Elevation:		Meridian: M
		Qtr: NW

Location: LANES BRIDGE 10 MILES NORTH OF FRESNO.
General: 2 SPECIMENS COLLECTED MVZ #14488 & 14489.
Owner/Manager: UNKNOWN

Occurrence No. 16	Map Index: 14563	EO Index: 23951	Dates Last Seen
Occ Rank: Unknown			Element: 1915-11-20
Origin: Natural/Native occurrence			Site: 1915-11-20
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: WEAR, W. 1915 (MUS)			

Quad Summary: FRESNO SOUTH (3611967/358A), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.73689° / -119.85793°	Mapping Precision: NON-SPECIFIC	Township: 14S
UTM: Zone-11 N4069494 E244808	Symbol Type: POINT	Range: 19E
Radius: 1 mile		Section: 01
Elevation:		Meridian: M
		Qtr: SW

Location: 4 MI W FRESNO.
General: MVZ #21989.
Owner/Manager: UNKNOWN

Sagittaria sanfordii

Sanford's arrowhead

Element Code: PMALI04000

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CNPS List: 1B
State: None	State: S3.2	R-E-D Code: 2-2-3

Habitat Associations

General: MARSHES AND SWAMPS.

Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No. 4	Map Index: 24425	EO Index: 7071	Dates Last Seen
Occ Rank: Unknown			Element: 1954-05-23
Origin: Natural/Native occurrence			Site: 1980-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-11-15
Main Source: HOWARD, A. 1980 (PERS)			

Quad Summary: FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.86067° / -119.78267°	Township: 13S
UTM: Zone-11 N4083031 E251930	Range: 20E
Radius: 2/5 mile	Section: 27
Elevation: 360 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: FRIANT ROAD SOUTH OF SHEPHERD AVE, NORTHWEST OF PINEDALE.

Location Detail: EXACT LOCATION UNKNOWN, COLLECTION LABEL GIVES "RD TO FRIANT DAM AND FORT WASHINGTON BEFORE CURVE AT SHEPHERD AVE".

General: AREA SEARCHED BY C.E. TURNER IN 1980 BUT NO PLANTS WERE FOUND. SITE KNOWN FROM THREE COLLECTIONS; C. QUIBELL IN 1953 (FSC 7725), S. SIMONIAU ON MAY 16, 1953 (FSC 15910), AND S. SIMONIAU ON MAY 23, 1954 (FSC 13720).

Owner/Manager: UNKNOWN

Occurrence No. 5	Map Index: 24426	EO Index: 7068	Dates Last Seen
Occ Rank: Unknown			Element: 1958-10-09
Origin: Natural/Native occurrence			Site: 1980-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-11-15
Main Source: HOWARD, A. 1980 (PERS)			

Quad Summary: FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.79405° / -119.79838°	Township: 13S
UTM: Zone-11 N4075679 E250313	Range: 20E
Radius: 80 meters	Section: 16
Elevation: 310 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: CANAL NORTH OF ASHLAN AVE AND EAST OF MAROA, FRESNO.

Location Detail: ALONG NORTH SIDE OF ASHLAN AND 100 YARDS EAST OF MAROA.

Ecological: GROWING IN A CANAL.

General: AREA SEARCHED BY C.E. TURNER IN 1980 BUT NO PLANTS WERE FOUND. SITE KNOWN ONLY FROM SINGLE COLLECTION BY B. BROCK ON OCT. 9, 1958 (FSC 17769).

Owner/Manager: UNKNOWN

Occurrence No. 6	Map Index: 24428	EO Index: 7070	Dates Last Seen
Occ Rank: Unknown			Element: 1953-09-09
Origin: Natural/Native occurrence			Site: 1980-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-11-15
Main Source: HOWARD, A. 1980 (PERS)			

Quad Summary: FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.83710° / -119.86242°	Township: 12S
UTM: Zone-11 N4080626 E244740	Range: 19E
Radius: 1/5 mile	Section: 35
Elevation: 320 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: HERNDON AVE. AT BRAWLEY AVE., APPROX. 3 MILES WEST OF PINECREST.

Location Detail: EXACT SITE UNKNOWN, SEVERAL CANALS IN AREA MAY PROVIDE APPROPRIATE HABITAT.

General: AREA SEARCHED BY C.E. TURNER IN 1980 BUT NO PLANTS WERE FOUND. SITE KNOWN FROM SINGLE COLLECTION BY S. SIMONIAU ON SEPT. 9, 1953 (FSC 15911).

Owner/Manager: UNKNOWN

Sagittaria sanfordii

Sanford's arrowhead

Status	NDDB Element Ranks	Element Code: PMALI040Q0	Other Lists
Federal: None	Global: G3		CNPS List: 1B
State: None	State: S3.2		R-E-D Code: 2-2-3

Habitat Associations

General: MARSHES AND SWAMPS.

Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No.: 7	Map Index: 24427	EO Index: 7069	Dates Last Seen
Occ Rank: Unknown			Element: 1953-06-02
Origin: Natural/Native occurrence			Site: 1980-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-11-15
Main Source: HOWARD, A. 1980 (PERS)			

Quad Summary: FRESNO NORTH (3611977/379D)

County Summary: FRESNO

Lat/Long: 36.80818° / -119.84118°	Township: 13S
UTM: Zone-11 N4077360 E246539	Range: 20E
Radius: 1/5 mile	Section: 07
Elevation: 310 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: DITCH UNDER SANTA FE RAILROAD AT SHAW AVE, FRESNO.

Location Detail: LOCATED IN DITCH SIPHON.

Ecological: GROWING IN A DITCH.

General: AREA SEARCHED BY C.E. TURNER IN 1980 BUT NO PLANTS WERE FOUND. SITE KNOWN FROM SINGLE COLLECTION BY C. QUIBELL ON JUNE 2, 1953 (FSC 8117).

Owner/Manager: UNKNOWN

Spea (=Scaphiopus) hammondii

western spadefoot

Status	NDDDB Element Ranks	Element Code: AAABF01030	Other Lists
Federal: None	Global: G3		
State: None	State: S3		CDFG Status: SC

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No.: 161	Map Index: 39295	EO Index: 34297	Dates Last Seen
Occ Rank: Fair			Element: 1995-03-03
Origin: Natural/Native occurrence			Site: 1995-03-03
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-04
Main Source: GRAY, G. 1995 (OBS)			

Quad Summary: FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.86791° / -119.78589°	Township: 12S
UTM: Zone-11 N4083843 E251666	Range: 20E
Radius: 80 meters	Section: 21
Elevation: 355 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: BETWEEN BLACKSTONE ROAD AND FRIANT (RICE) ROAD, WOODWARD PARK.
Location Detail: SITE CONSISTS OF AN OVERFLOW POOL ADJACENT TO THE ROAD.
Ecological: HABITAT SURROUNDING OVERFLOW POOL CONSISTS OF NON-NATIVE GRASSLAND; POOL SHADED BY TREES.
Threat: POSSIBLY THREATENED BY DEVELOPMENT.
General: HUNDREDS OF TADPOLES OBSERVED ON 3 MARCH 1995; ONE TADPOLE CAPTURED AND RAISED TO MATURITY.
Owner/Manager: UNKNOWN

<i>Tropidocarpum capparideum</i>		
caper-fruited tropidocarpum		
Status Federal: None State: None	NDDDB Element Ranks Global: G1 State: S1.1	Element Code: PDBRA2R010 Other Lists CNPS List: 1B R-E-D Code: 3-3-3
Habitat Associations General: VALLEY AND FOOTHILL GRASSLAND. Micro: ALKALINE CLAY, 0-455M.		

Occurrence No. 22	Map Index: 46277	EO Index: 64783	Dates Last Seen
Occ Rank: Unknown	Origin: Natural/Native occurrence	Presence: Presumed Extant	Element: 1930-04-12
Trend: Unknown	Main Source: DE FOREST, H. SN RSA #428386 (HERB)		Site: 1930-04-12
			Record Last Updated: 2006-05-19

Quad Summary: MALAGA (3611966/357B), FRESNO SOUTH (3611967/358A), CLOVIS (3611976/378C), FRESNO NORTH (3611977/379D)
County Summary: FRESNO

Lat/Long: 36.77388° / -119.77951° UTM: Zone-11 N4073392 E251931 Radius: 5 mile Elevation: 300 ft	Mapping Precision: NON-SPECIFIC Symbol Type: POINT	Township: 13S Range: 20E Section: 27 Meridian: M	Qtr: XX
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Location: FRESNO.
Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB CENTERED ON THE CITY OF FRESNO, MAKING THE ASSUMPTION THAT THE SITE DESCRIPTION WAS REFERRING TO THE CITY OF FRESNO, NOT TO THE COUNTY OF FRESNO.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1930 COLLECTION BY DE FOREST. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

9/06

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

Habitat Associations

General: (BURROW SITES) OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.
Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 536	Map Index: 49176	EO Index: 49176	Dates Last Seen
Occ Rank: Excellent			Element: 1991-12-XX
Origin: Natural/Native occurrence			Site: 1991-12-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-10-29
Main Source: HALSTEAD, J. A. 1991 (OBS)			

Quad Summary: KEARNEY PARK (3611968/358B)**County Summary:** FRESNO

Lat/Long: 36.63222° / -119.93642°	Township: 15S
UTM: Zone-11 N4058091 E237442	Range: 19E
Area: 23.3 ac	Section: 18
Elevation: 225 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

Location: RADIO FACILITY ALONG NE SIDE OF HENDERSON ROAD, 2.5 MILES NW OF RAISIN CITY**Ecological:** HABITAT CONSISTS OF VALLEY SINK SCRUB, DOMINATED BY ATRIPLEX AND SUAEDA.**Threat:** THREATENED BY DUMPING OF CONCRETE AND ROCKS.**General:** 2 OWLS AND AN ACTIVE BURROW OBSERVED ON 14 JUL 1989. 3 ADULT OWLS AT ACTIVE BURROWS OBSERVED IN DEC 1991.**Owner/Manager:** UNKNOWN

Occurrence No. 745	Map Index: 62214	EO Index: 62250	Dates Last Seen
Occ Rank: Poor			Element: 2005-07-29
Origin: Natural/Native occurrence			Site: 2005-07-29
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-08-05
Main Source: DULIK, K. 2005 (OBS)			

Quad Summary: KEARNEY PARK (3611968/358B)**County Summary:** FRESNO

Lat/Long: 36.66276° / -119.97057°	Township: 14S
UTM: Zone-11 N4061574 E234493	Range: 18E
Radius: 80 meters	Section: 36
Elevation: 225 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: OFF DICKENSON AND MCMULLIN, 6 MILES SE OF KERMAN**Location Detail:** SITE CONSISTS OF A SMALL TRIANGLE OF LAND USED AS A TURN-AROUND. BURROWS WERE 4-6 FEET OFF ROAD SHOULDER.**Ecological:** HABITAT CONSISTS OF MOSTLY BARREN LAND, WITH A FEW TELEGRAPH WEEDS AND DOVEWEED PLANTS; SURROUNDED BY AGRICULTURE (ROW CROPS AND VINEYARDS).**Threat:** THREATENED BY RODENTICIDE USE AND PROXIMITY TO ROADWAY.**General:** UP TO 5 BURROWS AND 4 ADULTS WERE OBSERVED ON 29 JUL 2005.**Owner/Manager:** UNKNOWN

Dipodomys nitratoides exilis

Fresno kangaroo rat

Element Code: AMAFD03151

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3T1	CDFG Status:
State: Endangered	State: S1	

Habitat Associations

General: ALKALI SINK-OPEN GRASSLAND HABITATS IN WESTERN FRESNO COUNTY.
Micro: BARE ALKALINE CLAY-BASED SOILS SUBJECT TO SEASONAL INUNDATION, WITH MORE FRIABLE SOIL MOUNDS AROUND SHRUBS & GRASSES.

Occurrence No.: 10	Map Index: 14436	EO Index: 23967	Dates Last Seen
Occ Rank: None			Element: 1972-12-31
Origin: Natural/Native occurrence			Site: 1974-04-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2006-07-25
Main Source: HOFFMANN, W. 1975 (LIT)			

Quad Summary: RAISIN (3611958/358C), KEARNEY PARK (3611968/358B)
County Summary: FRESNO

Lat/Long: 36.62577° / -119.93542°	Township: 15S
UTM: Zone-11 N4057372 E237510	Range: 19E
Radius: 1 mile	Section: 18
Elevation: 225 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: APPROX 2.5 TO 6.0 MI NW OF RAISIN CITY ALONG HENDERSON RD.
Location Detail: HISTORIC RECORDS FROM T15S, R18E, SEC 1,2,11,12; K-RATS TRAPPED 12/1972 IN EXTANT HABITAT IN T15S, R19E, SEC 17 & 18. SDNHM #18892-3 COLLECTED 4 JUL & 15 AUG 1942 BY A. E. CULBERTSON FROM "6.5 MI S ROLINDA"
General: AS OF 1974 THESE SECTIONS HAD BEEN CONVERTED TO AGRICULTURE.
Owner/Manager: PVT

9/13/06

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.: 616	Map Index: 30806	EO Index: 46463	Dates Last Seen
Occ Rank: None			Element: 1944-12-XX
Origin: Natural/Native occurrence			Site: 1944-12-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2001-11-09
Main Source: MVZ 2001 (MUS)			

Quad Summary: MADERA (3612081/380A)

County Summary: MADERA

Lat/Long: 36.96034° / -120.06173°	Township: 11S
UTM: Zone-10 N4094507 E761603	Range: 17E
Radius: 1 mile	Section: 24
Elevation: 270 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: MADERA. NO OTHER LOCATION INFORMATION GIVEN.

General: MVZ #42705 COLLECTED DEC. 1944 BY A. HAWBECKER. JENNINGS CONSIDERS THIS LOCATION EXTIRPATED.

Owner/Manager: UNKNOWN

Athene cucularia

burrowing owl

Status	NDDB Element Ranks	Element Code: ABNSB10010	Other Lists
Federal: None	Global: G4		
State: None	State: S2		CDFG Status: SC

Habitat Associations

General: (BURROW SITES) OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.
Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No.: 757	Map Index: 62822	EO Index: 62876	Dates Last Seen
Occ Rank: None			Element: 2005-02-24
Origin: Natural/Native occurrence			Site: 2005-02-24
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2005-10-17
Main Source: PEARSON, A. J. 2005 (OBS)			

Quad Summary: MADERA (3612081/380A)
County Summary: MADERA

Lat/Long: 36.98492° / -120.09909°	Township: 11S
UTM: Zone-10 N4097134 E758193	Range: 17E
Radius: 80 meters	Section: 10 Qtr: SE
Elevation: 255 ft	Meridian: M
Mapping Precision: SPECIFIC	
Symbol Type: POINT	

Location: 0.2 MILE NORTH OF AVENUE 16 AND 0.7 MILE WEST OF HIGHWAY 99, JUST EAST OF MADERA AIRPORT

Ecological: HABITAT CONSISTED OF RUDERAL/NON-NATIVE GRASSLAND ON A WEST-FACING SLOPE. SURROUNDED BY A PONDING BASIN AND AGRICULTURE.

Threat: BURROW DESTROYED BY PONDING BASIN ENLARGEMENT.

General: AFTER THE OWL HAD LEFT THE BURROW, AND IT WAS DETERMINED THAT THERE WERE NO EGGS OR YOUNG INSIDE, THE SITE WAS GRADED TO ENLARGE THE PONDING BASIN.

Owner/Manager: BOR

Gambelia sila

blunt-nosed leopard lizard

Element Code: ARACF07010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G1	CDFG Status:
State: Endangered	State: S1	

Habitat Associations

General: RESIDENT OF SPARSELY VEGETATED ALKALI AND DESERT SCRUB HABITATS, IN AREAS OF LOW TOPOGRAPHIC RELIEF.
Micro: SEEKS COVER IN MAMMAL BURROWS, UNDER SHRUBS OR STRUCTURES SUCH AS FENCE POSTS; THEY DO NOT EXCAVATE THEIR OWN BURROWS.

Occurrence No. 107	Map Index: 14160	EO Index: 27810	Dates Last Seen
Occ Rank: Unknown			Element: 1916-06-XX
Origin: Natural/Native occurrence			Site: 1916-06-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-10
Main Source: BRODE, J. & D. STROUD 1974 (LIT)			

Quad Summary: MADERA (3612081/380A), BONITA RANCH (3612082/380B)

County Summary: MADERA

Lat/Long: 36.90299° / -120.11127°	Township: 12S
UTM: Zone-10 N4088008 E757384	Range: 17E
Radius: 1 mile	Section: 09
Elevation: 232 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: 5 MI SW MADERA.

General: CAS SPECIMEN.

Owner/Manager: UNKNOWN

Leptosiphon serrulatus

Madera leptosiphon

Element Code: PDPLM09130

Status	NDDB Element Ranks	Other Lists
Federal: None	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. 10	Map Index: 30806	EO Index: 20975	Dates Last Seen
Occ Rank: Unknown			Element: 1889-05-XX
Origin: Natural/Native occurrence			Site: 1889-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-20
Main Source: BUCKMINSTER SN UC #84340 (HERB)			

Quad Summary: MADERA (3612081/380A)
County Summary: MADERA

Lat/Long: 36.96034° / -120.06173°	Township: 11S
UTM: Zone-10 N4094507 E761603	Range: 17E
Radius: 1 mile	Section: 24
Elevation: 270 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: NEAR MADERA.
Location Detail: MAPPED AT CNDDDB IN VICINITY OF THE COMMUNITY OF MADERA.
General: ONLY SOURCES OF INFORMATION ARE 1889 COLLECTIONS BY BUCKMINSTER. "PART OF TYPE".
Owner/Manager: UNKNOWN

Lytta molesta

molestan blister beetle

Element Code: IICOL4C030

Status	NDDB Element Ranks	Other Lists
Federal: None	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. : 6	Map Index : 30806	EO Index : 64457	Dates Last Seen
Occ Rank : Unknown			Element : 19XX-XX-XX
Origin : Natural/Native occurrence			Site : 19XX-XX-XX
Presence : Possibly Extirpated			
Trend : Unknown			Record Last Updated : 2006-03-30
Main Source : CA BEETLE PROJECT 2006 (PERS)			

Quad Summary: MADERA (3612081/380A)
County Summary: MADERA

Lat/Long : 36.96034° / -120.06173°	Township : 11S
UTM : Zone-10 N4094507 E761603	Range : 17E
Radius : 1 mile	Section : 24
Elevation : 270 ft	Meridian : M
Mapping Precision : NON-SPECIFIC	Qtr : XX
Symbol Type : POINT	

Location: MADERA.

General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

_____ Status _____		NDDB Element Ranks		Element Code: CTT44110CA	
Federal:	None	Global:	G3	Other Lists _____	
State:	None	State:	S3.1		

_____ Habitat Associations _____
 General:
 Micro:

Occurrence No.:	129	Map Index:	14334	EO Index:	26027	Dates Last Seen	_____	
Occ Rank:	Fair					Element:	1986-05-21	
Origin:	Natural/Native occurrence					Site:	1986-05-21	
Presence:	Presumed Extant					Record Last Updated:	1998-07-15	
Trend:	Decreasing							
Main Source:	STEBBINS, J. 1986 (OBS)							

Quad Summary: MADERA (3612081/380A)
 County Summary: MADERA

Lat/Long:	36.96793° / -120.00583°	Township:	11S		
UTM:	Zone-10 N4095505 E766555	Range:	18E		
Area:	14.6 ac	Section:	16	Qtr: SE	
Elevation:	290 ft	Mapping Precision:	SPECIFIC	Meridian:	M
		Symbol Type:	POLYGON		

Location: ON NORTH AND SOUTH SIDES OF AVENUE 15, 1/2 MILE EAST OF TOPEKA AND SANTA FE RAILWAY.
Ecological: REMNANT VERNAL POOLS IN VALLEY GRASSLAND. POOLS ON SOUTH SIDE OF ROAD ARE IN DISKED WHEAT FIELD. ORCUTTIA PILOS, PHALARIS, ERYNGIUM, LYTHRUM, AND PSILOCARPUS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Threat: AGRICULTURE / DISKING IS LARGEST THREAT.
General: FEWER ORCUTTIA PLANTS IN '86 THAN IN '83. HYDROLOGY OF POOL PROBABLY ALTERED BY DISKING.
Owner/Manager: PVT

Orcuttia pilosa

hairy orcutt grass

Element Code: PMPOA4G040

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations
 General: VERNAL POOLS.
 Micro: 25-125M.

Occurrence No. 15	Map Index: 14329	EO Index: 22325	Dates Last Seen
Occ Rank: None			Element: 1941-05-31
Origin: Natural/Native occurrence			Site: 1987-06-02
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1995-07-21
Main Source: HARRISON & FERREIRA 1981 (OBS)			

Quad Summary: MADERA (3612081/380A)
County Summary: MADERA

Lat/Long: 36.99300° / -120.00543°	Township: 11S
UTM: Zone-10 N4098288 E766503	Range: 18E
Radius: 1/5 mile	Section: 09
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: 4 MILES EAST OF MADERA.
Location Detail: MAPPED ALONG HIGHWAY 145. COLLECTION MADE "3 MILES OUT OF MADERA ON THE NORTHFORK ROAD" ARE ALSO ATTRIBUTED TO THIS SITE. AREA NEAR HIGHWAY 145 AND ROADS 300 AND 400 SEARCHED IN 1981.
Threat: DEVELOPMENT, SMALL HORSE PASTURES, ORCHARDS, ROADS, ETC.
General: AREA SEARCHED IN 1981, 1987 BUT NO SUITABLE HABITAT REMAINS. INCLUDES FORMER OCCURRENCE #14.
Owner/Manager: PVT

Occurrence No. 19	Map Index: 14334	EO Index: 25989	Dates Last Seen
Occ Rank: Fair			Element: 1986-05-21
Origin: Natural/Native occurrence			Site: 1986-05-21
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1995-07-21
Main Source: STEBBINS, J. 1982 (OBS)			

Quad Summary: MADERA (3612081/380A)
County Summary: MADERA

Lat/Long: 36.96793° / -120.00583°	Township: 11S
UTM: Zone-10 N4095505 E766555	Range: 18E
Area: 14.6 ac	Section: 16
Elevation: 290 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: 0.5-0.9 MILE EAST OF SANTA FE RAILROAD TRACKS, ON BOTH SIDES OF AVENUE 15, EAST OF MADERA.
Location Detail: POOLS ON SOUTH SIDE OF AVENUE 15 IN BARLEY. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 16 AND THE N 1/4 OF THE NE 1/4 OF SECTION 21.
Ecological: REMNANT VERNAL POOLS ON CLAY SOIL, WITHIN REMNANT GRASSLAND. ASSOCIATED WITH DOWNINGIA, PHALARIS PARADOXA, ERYNGIUM VASEYI, LYTHRUM HYSSOPIFOLIA, AND PSILOCARPUS BREVISSUMUS.
Threat: GRAZING; AGRICULTURE IS AN IMMEDIATE THREAT.
General: POPULATION OF OVER 1000 INDIVIDUALS IN LESS THAN ONE HECTARE IN 1982; 3 INDIVIDUALS OBSERVED IN 1986. SITE QUALITY MARGINAL IN 1983 AND 1986. POOLS ON NORTH SIDE HAVE BEEN GRAZED.
Owner/Manager: PVT

9/06

Ambystoma californiense

California tiger salamander

StatusFederal: Threatened
State: None**NDDB Element Ranks**Global: G2G3
State: S2S3

Element Code: AAAAA01180

Other Lists

CDFG Status: SC

Habitat Associations**General:** CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.**Micro:** NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 49	Map Index: 14529	EO Index: 28414	Dates Last Seen	
Occ Rank: Unknown			Element: 1974-04-02	
Origin: Natural/Native occurrence			Site: 1974-04-02	
Presence: Presumed Extant			Record Last Updated: 1998-03-16	
Trend: Unknown				
Main Source: BRODE, J. 1986 (PERS)				

Quad Summary: LANES BRIDGE (3611987/379A), GREGG (3611988/379B), LITTLE TABLE MTN. (3711917/399D), DAULTON (3711918/399C)
County Summary: MADERA

Lat/Long: 36.98800° / -119.88182°	Township: 11S
UTM: Zone-11 N4097423 E243516	Range: 19E
Radius: 1 mile	Section: 10
Elevation: 375 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: THE GENERAL AREA EAST OF ROAD 36 AND NORTH OF AVE 16. WEST OF FRIANT.**Location Detail:** 3 SITES: NE OF AVE 16 & ROAD 37, NW OF AVE 16 & ROAD 37, AND 1.6 TO 2.6 MILES SW OF HWY 145 AND ROAD 38.**General:** L. DUNN FIELD NOTES #2 & 3 FROM 13 FEB 74 AND NOTE #12 FROM 2 APRIL 1974.**Owner/Manager:** UNKNOWN

Occurrence No. 94	Map Index: 14592	EO Index: 28380	Dates Last Seen	
Occ Rank: Excellent			Element: 1995-03-28	
Origin: Natural/Native occurrence			Site: 1995-03-28	
Presence: Presumed Extant			Record Last Updated: 1998-08-06	
Trend: Unknown				
Main Source: BRODE, J. 1986 (PERS)				

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96855° / -119.84268°	Township: 11S
UTM: Zone-11 N4095160 E246936	Range: 19E
Area: 127.6 ac	Section: 13
Elevation: 375 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: AREA 2-3 MILES WEST OF HWY 41 ON NORTH SIDE OF AVE 15. WEST OF LITTLE TABLE MOUNTAIN.**Location Detail:** SITE IS LOCATED ON A SIX-SECTION PIECE OF PROPERTY WHICH IS QUITE NEAR TWO PROPOSED NEW CITIES, RIO MESA AND CASTLE COOK DEVELOPMENT.**Ecological:** HABITAT CONSISTS OF CLAYPAN VERNAL POOLS & SWALES IN NON-NATIVE GRASSLAND. OTHER TAXA PRESENT INCLUDE SCAPHIOPUS HAMMONDII, BUFO BOREAS, HYLA REGILLA, BRANCHINECTA LYNCHI, & LINDERIELLA OCCIDENTALIS.**Threat:** POSSIBLE THREAT FROM GRAZING & SURROUNDING DEVELOPMENT.**General:** UNKNOWN NUMBER OBSERVED 2/2/74 3 MI W OF HWY 41 (L. DUNN FIELD NOTES #11). UNKNOWN NUMBER OBSERVED IN SPRING OF 1993. 4 LARVAE OBS IN ONE POOL & 3 IN ANOTHER POOL 0.4 MI W OF RD 39-1/2 ON 4/4/95.**Owner/Manager:** PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status Federal: Threatened State: None
NDDB Element Ranks Global: G2G3 State: S2S3
Other Lists CDFG Status: SC

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 163 **Map Index:** 24430 **EO Index:** 6581 **Dates Last Seen**
Occ Rank: Poor **Element:** 1993-03-24
Origin: Natural/Native occurrence **Site:** 1993-03-24
Presence: Presumed Extant
Trend: Unknown
Main Source: MCFALL, M. 1993 (OBS) **Record Last Updated:** 1993-09-16

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96378° / -119.76581° **Township:** 11S
UTM: Zone-11 N4094429 E253765 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 23 **Qtr:** NW
Elevation: 430 ft **Symbol Type:** POINT **Meridian:** M

Location: ALONG MADERA CANAL, 0.3 MILE NORTH OF ROAD 204, ON THE SOUTH END OF TABLE MOUNTAIN.
General: ONE JUVENILE OBSERVED IN 1993. SITE QUALITY IS DIMINISHED BY CONCRETE BLOCKS PILED ALONG THE BANK.
Owner/Manager: BOR

Occurrence No. 164 **Map Index:** 24601 **EO Index:** 6394 **Dates Last Seen**
Occ Rank: Good **Element:** 1993-03-24
Origin: Natural/Native occurrence **Site:** 1993-03-24
Presence: Presumed Extant
Trend: Unknown
Main Source: MCFALL, M. 1993 (OBS) **Record Last Updated:** 1993-09-16

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.99778° / -119.80560° **Township:** 11S
UTM: Zone-11 N4098306 E250333 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 05 **Qtr:** SE
Elevation: 420 ft **Symbol Type:** POINT **Meridian:** M

Location: ALONG MADERA CANAL, 0.6 MILE WEST OF HWY 41 AND 2.2 MILES NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.
General: ONE JUVENILE OBSERVED IN 1993.
Owner/Manager: BOR

Occurrence No. 222 **Map Index:** 25584 **EO Index:** 5486 **Dates Last Seen**
Occ Rank: Unknown **Element:** 1991-04-15
Origin: Natural/Native occurrence **Site:** 1991-04-15
Presence: Presumed Extant
Trend: Unknown
Main Source: SHAFFER, H. ET AL 1993 (LIT) **Record Last Updated:** 1998-08-07

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.98806° / -119.75621° **Township:** 11S
UTM: Zone-11 N4097099 E254698 **Range:** 20E
Radius: 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 11 **Qtr:** SE
Elevation: 440 ft **Symbol Type:** POINT **Meridian:** M

Location: WEST SIDE OF ROAD 204, 0.7 MILE SOUTH OF HIGHWAY 145, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN
Location Detail: SHAFFER SITE #107. LOCATED ON THE URRUTINA RANCH.
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: THERE IS A VERY GENERALIZED RECORD OF CTS LARVA OBSERVED BY DUNN IN A VERNAL POOL ABOUT 3 MILES WEST OF FRIANT FROM SPRING 1969. CTS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.
Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 223	Map Index: 25585	EO Index: 5487	Dates Last Seen
Occ Rank: Unknown			Element: 1991-04-15
Origin: Natural/Native occurrence			Site: 1991-04-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-07
Main Source: SHAFFER, H. ET AL 1993 (LIT)			

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.97550° / -119.75247°	Township: 11S
UTM: Zone-11 N4095695 E254991	Range: 20E
Radius: 1/5 mile	Section: 14
Elevation: 425 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: JUST EAST OF ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE EDGE OF LITTLE TABLE MOUNTAIN

Location Detail: SHAFFER SITE #111. LOCATED ON THE URRUTINA RANCH.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND.

General: THERE IS A VERY GENERALIZED RECORD OF CTS LARVA OBSERVED BY DUNN IN A VERNAL POOL ABOUT 3 MILES WEST OF FRIANT FROM SPRING 1969. CTS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.

Owner/Manager: PVT

Occurrence No. 732	Map Index: 41666	EO Index: 51282	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-15
Main Source: HALSTEAD & HALSTEAD 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.94479° / -119.76380°	Township: 11S
UTM: Zone-11 N4092317 E253883	Range: 20E
Radius: 80 meters	Section: 26
Elevation: 390 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: WEST OF CREEK THAT DRAINS LITTLE TABLE MTN , 2 MILES SE OF ROAD 204 & HWY 41, 2.2 MILES NE OF AVENUE 12 & HIGHWAY 41

Location Detail: VERNAL POOL, CREEK DRAINS TO, AND IS 1 MILE NORTHWEST OF SAN JOAQUIN RIVER MILE 261.

Ecological: VERNAL POOL IN CURRENTLY-GRAZED NON-NATIVE GRASSLAND; SURROUNDING LAND USE IS AGRICULTURE, HOUSING DEVELOPMENT.

Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.

General: LARVAL CTS OBSERVED IN FEB 2001.

Owner/Manager: PVT

Occurrence No. 733	Map Index: 51283	EO Index: 51283	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-15
Main Source: HALSTEAD & HALSTEAD 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.93709° / -119.78719°	Township: 11S
UTM: Zone-11 N4091523 E251774	Range: 20E
Radius: 80 meters	Section: 33
Elevation: 400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: 0.4 MILE EAST OF HIGHWAY 41 AND 0.9 MILE NORTH OF AVENUE 12, 14 MILES EAST OF MADERA

Ecological: HABITAT CONSISTS OF A VERNAL POOL IN CURRENTLY-GRAZED NON-NATIVE GRASSLAND; SURROUNDING LAND USE IS AGRICULTURE AND COMMERCIAL/URBAN.

Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.

General: LARVAL CTS OBSERVED IN FEB 2001.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status _____ **NDDB Element Ranks** _____ **Other Lists** _____
Federal: Threatened **Global:** G2G3 **CDFG Status:** SC
State: None **State:** S2S3

Habitat Associations

General: CENTRAL VALLY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTY DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 734 **Map Index:** 45182 **EO Index:** 51285 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 2001-02-XX
Origin: Natural/Native occurrence **Site:** 2001-02-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2003-05-15
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.90552° / -119.78512° **Township:** 12S
UTM: Zone-11 N4088015 E251857 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 09 **Qtr:** NE
Elevation: 350 ft **Symbol Type:** POINT **Meridian:** M

Location: 0.4 MILE EAST OF HIGHWAY 41 AND 0.3 MILE SOUTH OF AVENUE 11, 4.5 MILES NORTH OF PINEDALE
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS NOW USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.
General: LARVAL CTS OBSERVED DURING FEB 2001.
Owner/Manager: PVT

Occurrence No. 735 **Map Index:** 51287 **EO Index:** 51287 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 2001-02-XX
Origin: Natural/Native occurrence **Site:** 2001-02-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2003-05-15
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.92715° / -119.77153° **Township:** 11S
UTM: Zone-11 N4090379 E253138 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 34 **Qtr:** SE
Elevation: 350 ft **Symbol Type:** POINT **Meridian:** M

Location: 1.3 MILES EAST OF HIGHWAY 41 AND 0.2 MILE NE OF AVENUE 12 "CURVE," 15 MILES EAST OF MADERA
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS NOW USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.
General: LARVAL CTS OBSERVED DURING FEB 2001.
Owner/Manager: PVT

Athene cunicularia

burrowing owl

Status _____ NDDDB Element Ranks _____ Element Code: ABNSB10010
 Federal: None Global: G4 Other Lists _____
 State: None State: S2 CDFG Status: SC

Habitat Associations

General: (BURROW SITES) OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION
 Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 355 Map Index: 42847 EO Index: 42847 Dates Last Seen _____
 Occ Rank: Good Element: 2000-04-04
 Origin: Natural/Native occurrence Site: 2000-04-04
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2000-05-02
 Main Source: GRAY, G. 2000 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.94372° / -119.78949° Township: 11S
 UTM: Zone-11 N4092265 E251591 Range: 20E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 28 Qtr: SE
 Elevation: 396 ft Symbol Type: POINT Meridian: M

Location: 0.25 MILE EAST OF HIGHWAY 41, 1.4 MILES NORTH OF AVENUE 12, 8 MILES NW OF FRIANT

Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND INTERSPERSED BY VERNAL POOLS; DOMINATED BY BROMUS SPP, TRIFOLIUM SPP, AVENA FATUA, AND HORDEUM SPP.

Threat: POSSIBLE THREAT FROM AGRICULTURAL RUN-OFF.

General: ON 4 APR 2000, 1 ADULT WAS OBSERVED AT THE BURROW SITE, WHICH CONTAINED WHITEWASH AND PELLETS.

Owner/Manager: CALTRANS

Occurrence No. 584 Map Index: 51291 EO Index: 51291 Dates Last Seen _____
 Occ Rank: Unknown Element: 2000-XX-XX
 Origin: Natural/Native occurrence Site: 2000-XX-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2003-05-19
 Main Source: HALSTEAD, J.A. & P.S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.95096° / -119.78377° Township: 11S
 UTM: Zone-11 N4093053 E252125 Range: 20E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 27 Qtr: NW
 Elevation: 405 ft Symbol Type: POINT Meridian: M

Location: 0.6 MILE EAST OF HIGHWAY 41 AND 0.6 MILE SOUTH OF ROAD 204, 7.5 MILES NORTH OF PINEDALE

General: PAIR OBSERVED IN SPRING 2000.

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status _____ **NDDB Element Ranks** _____ **Element Code:** ICBRA03030
Federal: Threatened **Global:** G3 **Other Lists** _____
State: None **State:** S2S3 **CDFG Status:** _____

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. 2 **Map Index:** 22101 **EO Index:** 8053 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1992-03-19
Origin: Natural/Native occurrence **Site:** 1992-03-19
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1993-03-03
Main Source: OLSON, T. 1992 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.91559° / -119.78953° **Township:** 12S
UTM: Zone-11 N4089143 E251497 **Range:** 20E
Radius: 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 04 **Qtr:** SE
Elevation: 350 ft **Symbol Type:** POINT **Meridian:** M

Location: VICINITY OF ROOT CREEK, EAST OF STATE ROUTE 41 & ABOUT 0.6 MILES SOUTH OF AVENUE 12, 9 MILES WEST OF FRIANT.
Location Detail: FAIRY SHRIMP FOUND IN 4 VERNAL POOLS LOCATED BETWEEN SR-41 & UP TO 0.5 MILES TO THE EAST.
Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM & ERYNGIUM VASEYI.
Threat: POTENTIAL THREATS INCLUDE GRAZING AND HIGHWAY WIDENING.
General: SCAPHIOPUS HAMMONDI HAMMONDI TADPOLES ALSO PRESENT.
Owner/Manager: PVT

Occurrence No. 5 **Map Index:** 24599 **EO Index:** 6578 **Dates Last Seen** _____
Occ Rank: Good **Element:** 1993-03-10
Origin: Natural/Native occurrence **Site:** 1993-03-10
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1993-09-16
Main Source: MCFALL, M. 1993 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97714° / -119.75247° **Township:** 11S
UTM: Zone-11 N4095877 E254996 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 14 **Qtr:** NE
Elevation: 430 ft **Symbol Type:** POINT **Meridian:** M

Location: NE OF THE JUNCTION OF MADERA CANAL AND ROAD 204, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN.
Ecological: LINDERIELLA OCCIDENTALIS IS ALSO FOUND AT THIS SITE.
General: SEVERAL INDIVIDUALS OBSERVED IN 1993.
Owner/Manager: BOR

Occurrence No. 127 **Map Index:** 33338 **EO Index:** 21886 **Dates Last Seen** _____
Occ Rank: Good **Element:** 1993-02-17
Origin: Natural/Native occurrence **Site:** 1993-02-17
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1996-06-07
Main Source: KIRKPATRICK, G. 1993 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96913° / -119.82762° **Township:** 11S
UTM: Zone-11 N4095185 E248279 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 18 **Qtr:** SE
Elevation: 370 ft **Symbol Type:** POINT **Meridian:** M

Location: 0.25 MILE EAST OF ROAD 39-1/2 ALIGNMENT AND 0.2 MILE NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.
Location Detail: 4 POOLS SAMPLED IN A SERIES.
Ecological: CLAYPAN VERNAL POOLS AND SWALES IN NON NATIVE GRASSLAND. LINDERIELLA OCCIDENTALIS AND SCAPHIOPUS HAMMONDII ALSO PRESENT.
Threat: POSSIBLE THREAT FROM GRAZING AND RESIDENTIAL DEVELOPMENT.
General: G. KIRKPATRICK COLLECTED SHRIMP IN ALL 4 SAMPLED POOLS ON 17 FEBRUARY 1993.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status
 Federal: Threatened
 State: None

NDDDB Element Ranks
 Global: G3
 State: S2S3

Element Code: ICBRA03030

Other Lists
 CDFG Status:

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. 129 **Map Index:** 14592 **EO Index:** 25271 **Dates Last Seen**
Occ Rank: Good **Element:** 1993-02-17
Origin: Natural/Native occurrence **Site:** 1993-02-17
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1998-08-06
Main Source: KIRKPATRICK, G. 1993 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96855° / -119.84268° **Township:** 11S
UTM: Zone-11 N4095160 E246936 **Range:** 19E
Area: 127.6 ac **Mapping Precision:** NON-SPECIFIC **Section:** 13 **Qtr:** SW
Elevation: 375 ft **Symbol Type:** POLYGON **Meridian:** M

Location: NORTHWEST OF AVENUE 15 X AVENUE 39 1/2; NORTH OF LITTLE DRY CREEK; APPROX. 4.5 AIR MILES WEST OF LITTLE TABLE MTN.
Location Detail: SAMPLED 2 POOLS IN A SERIES.
Ecological: CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.
Threat: POSSIBLE THREATS: GRAZING & RESIDENTIAL DEVELOPMENT.
General: B. LYNCHI COLLECTED FROM BOTH POOLS & DEPOSITED IN CALIFORNIA ACADEMY OF SCIENCE; LINDERIELLA OCCIDENTALIS CO-OCCURED IN 1 POOL; AMBYSTOMA CALIFORNIENSE AND SCAPHIOPUS HAMMONDII OBSERVED IN POOLS LATER IN SPRING OF 1993.
Owner/Manager: PVT

Occurrence No. 214 **Map Index:** 41666 **EO Index:** 41666 **Dates Last Seen**
Occ Rank: Fair **Element:** 1999-03-13
Origin: Natural/Native occurrence **Site:** 1999-03-13
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1999-10-25
Main Source: HALSTEAD & HALSTEAD 1999 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94479° / -119.76380° **Township:** 11S
UTM: Zone-11 N4092317 E253883 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 26 **Qtr:** SW
Elevation: 390 ft **Symbol Type:** POINT **Meridian:** M

Location: W OF CREEK THAT DRAINS LITTLE TABLE MTN , 2 MILES SE OF ROAD 204 & HIGHWAY 41, 2.2 MILES NE OF AVENUE 12 & HIGHWAY 41.
Location Detail: VERNAL POOL, CREEK DRAINS TO, AND IS 1 MILE NORTHWEST OF SAN JOAQUIN RIVER MILE 261.
Ecological: VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LAND USE IS AGRICULTURE, HOUSING DEVELOPMENT. CURRENT USE IS CATTLE GRAZING.
Threat: GOLF COURSE DEVELOPMENT
General: 100'S OBSERVED, 10 COLLECTED AND SENT TO CAS, 1999.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status
 Federal: Threatened
 State: None

NDDB Element Ranks
 Global: G3
 State: S2S3

Element Code: ICBRA03030

Other Lists
 CDFG Status:

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. 220 **Map Index:** 41787 **EO Index:** 41787 **Dates Last Seen**
Occ Rank: Fair **Element:** 1999-03-13
Origin: Natural/Native occurrence **Site:** 1999-03-13
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1999-10-25
Main Source: HALSTEAD, J. & P. HALSTEAD 1999 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.93993° / -119.76693° **Township:** 11S
UTM: Zone-11 N4091786 E253589 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 27 **Qtr:** NE
Elevation: 440 ft **Symbol Type:** POINT **Meridian:** M

Location: UPPER ROOT CREEK DRAINAGE, 1.7 MILES SE OF HIGHWAY 41 AND ROAD 204, 2.2 MILES NE OF HIGHWAY 41 AND AVENUE 12.
Location Detail: VERNAL POOL
Ecological: VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LAND USE IS AGRICULTURE & HOUSING DEVELOPMENT. CURRENT USE IS CATTLE GRAZING.
Threat: GOLF COURSE DEVELOPMENT
General: 100'S OBSERVED, 40 FOR THE THREE LOCATIONS (EO'S 214, 220 & 221) COLLECTED AND SENT TO CAS, 1999.
Owner/Manager: PVT

Occurrence No. 221 **Map Index:** 41788 **EO Index:** 41788 **Dates Last Seen**
Occ Rank: Fair **Element:** 1999-03-13
Origin: Natural/Native occurrence **Site:** 1999-03-13
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1999-10-25
Main Source: HALSTEAD, J. & P. HALSTEAD 1999 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94793° / -119.76777° **Township:** 11S
UTM: Zone-11 N4092675 E253540 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 27 **Qtr:** SE
Elevation: 390 ft **Symbol Type:** POINT **Meridian:** M

Location: UPPER ROOT CREEK DRAINAGE, 2 MILES SE OF HIGHWAY 41 AND ROAD 204, 1.9 MILES NE OF HIGHWAY 41 AND AVENUE 12.
Ecological: HABITAT CONSISTS OF A VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LY GRAZED BY CATTLE.
Threat: THREATENED BY A GOLF COURSE DEVELOPMENT.
General: 100'S OBSERVED, ~40 FOR THE THREE LOCATIONS (EO'S 214, 220 & 221) COLLECTED AND SENT TO CAS, 1999.
Owner/Manager: PVT

Occurrence No. 346 **Map Index:** 51283 **EO Index:** 51284 **Dates Last Seen**
Occ Rank: Unknown **Element:** 2001-02-XX
Origin: Natural/Native occurrence **Site:** 2001-02-XX
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2003-05-15
Main Source: HALSTEAD & HALSTEAD 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.93709° / -119.78719° **Township:** 11S
UTM: Zone-11 N4091523 E251774 **Range:** 20E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 33 **Qtr:** NE
Elevation: 400 ft **Symbol Type:** POINT **Meridian:** M

Location: 0.4 MILE EAST OF HIGHWAY 41 AND 0.9 MILE NORTH OF AVENUE 12, 14 MILES EAST OF MADERA
Ecological: HABITAT CONSISTS OF A VERNAL POOL IN CURRENTLY-GRAZED NON-NATIVE GRASSLAND; SURROUNDING LAND USE IS AGRICULTURE AND COMMERCIAL/URBAN.
Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.
General: UNKNOWN NUMBER OBSERVED FEB 2001.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status	NDDB Element Ranks	Element Code: ICBRA03030	Other Lists
Federal: Threatened	Global: G3		
State: None	State: S2S3		CDFG Status:

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. 347	Map Index: 45182	EO Index: 51286	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-15
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.90552° / -119.78512°	UTM: Zone-11 N4088015 E251857	Township: 12S
Radius: 80 meters	Elevation: 350 ft	Range: 20E
	Mapping Precision: SPECIFIC	Section: 09
	Symbol Type: POINT	Meridian: M
		Qtr: NE

Location: 0.4 MILE EAST OF HIGHWAY 41 AND 0.3 MILE SOUTH OF AVENUE 11, 4.5 MILES NORTH OF PINEDALE

Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS NOW USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.

Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Occurrence No. 348	Map Index: 45184	EO Index: 51288	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-15
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.93521° / -119.78858°	UTM: Zone-11 N4091318 E251645	Township: 11S
Radius: 80 meters	Elevation: 390 ft	Range: 20E
	Mapping Precision: SPECIFIC	Section: 33
	Symbol Type: POINT	Meridian: M
		Qtr: NE

Location: 0.3 MILE EAST OF HIGHWAY 41 AND 0.8 MILE NORTH OF AVENUE 12, 6 MILES NORTH OF PINEDALE

Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS NOW USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.

Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Occurrence No. 349	Map Index: 45183	EO Index: 51289	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-15
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.95126° / -119.77616°	UTM: Zone-11 N4093067 E252803	Township: 11S
Radius: 80 meters	Elevation: 420 ft	Range: 20E
	Mapping Precision: SPECIFIC	Section: 27
	Symbol Type: POINT	Meridian: M
		Qtr: NW

Location: 0.9 MILE EAST OF HIGHWAY 41 AND 0.5 MILE SOUTH OF ROAD 204, 7 MILES NORTH OF PINEDALE

Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.

Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status	NDDDB Element Ranks	Element Code: ICBRA03030	Other Lists
Federal: Threatened	Global: G3		
State: None	State: S2S3		CDFG Status:

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. 350	Map Index: 51334	EO Index: 51334	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-20
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94681° / -119.78415°		Township: 11S	
UTM: Zone-11 N4092594 E252077		Range: 20E	
Radius: 80 meters	Mapping Precision: SPECIFIC	Section: 27	Qtr: NW
Elevation: 420 ft	Symbol Type: POINT	Meridian: M	

Location: 0.6 MILE EAST OF HIGHWAY 41 AND 0.9 MILE SOUTH OF ROAD 204, 6.5 MILES NORTH OF PINEDALE
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.
General: ADULT SHRIMP OBSERVED DURING FEB 2001.
Owner/Manager: PVT

Occurrence No. 351	Map Index: 51335	EO Index: 51335	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-20
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.93495° / -119.76771°		Township: 11S	
UTM: Zone-11 N4091235 E253503		Range: 20E	
Radius: 80 meters	Mapping Precision: SPECIFIC	Section: 34	Qtr: NE
Elevation: 310 ft	Symbol Type: POINT	Meridian: M	

Location: 1.4 MILES EAST OF HIGHWAY 41 AND 1.6 MILES SOUTH OF ROAD 204, 6.4 MILES NORTH OF PINEDALE
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
Threat: THREATENED BY URBAN/COMMERCIAL DEVELOPMENT.
General: ADULT SHRIMP OBSERVED DURING FEB 2001.
Owner/Manager: PVT

Occurrence No. 403	Map Index: 64301	EO Index: 64380	Dates Last Seen
Occ Rank: Good			Element: 2004-11-08
Origin: Natural/Native occurrence			Site: 2004-11-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-03-20
Main Source: NUNES, T. 2004 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97708° / -119.79240°		Township: 11S	
UTM: Zone-11 N4095975 E251440		Range: 20E	
Radius: 1/10 mile	Mapping Precision: NON-SPECIFIC	Section: 16	Qtr: XX
Elevation: 430 ft	Symbol Type: POINT	Meridian: M	

Location: EAST OF STATE ROUTE 41 JUST NORTH OF THE MADERA CANAL.
Location Detail: LAT-LONG AND UTM GIVEN ARE IN FRESNO AND DO NOT MATCH T-R-S AND WRITTEN DESCRIPTION. MAPPED USING T-R-S AND WRITTEN DESCRIPTION.
Ecological: ON GRAZED NON-NATIVE GRASSLAND. VEGETATION IN POOL INCLUDED ERYNGIUM SP. AND JUNCUS SP.
General: 4 ADULT FAIRY SHRIMP OBSERVED.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Status	NDDB Element Ranks	Element Code: ICBRA03030
Federal: Threatened	Global: G3	Other Lists
State: None	State: S2S3	CDFG Status:

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.: 410	Map Index: 64321	EO Index: 64400	Dates Last Seen
Occ Rank: Good			Element: 2005-02-01
Origin: Natural/Native occurrence			Site: 2005-02-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-03-22
Main Source: NUNES, T. 2005 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.98943° / -119.79377°	Township: 11S
UTM: Zone-11 N4097348 E251359	Range: 20E
Radius: 1/10 mile	Section: 09
Elevation: 440 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: 1.4 MILES SOUTH OF INTERSECTION OF STATE ROUTES 41 AND 145, ALONG SR 41.

Location Detail: NEAR POST MILE 7.9.

Ecological: ISOLATED POOLS WITHIN SWALE COMPLEXES & ON DIRT ROADS. SOME POOLS VEGETATED WITH VARIOUS COMBINATIONS OF TRICHOSTEMA LANCEOLATUM, CENTAUREA SOLSTITIALIS, & ERYGIUM, JUNCUS, ERODIUM, & HORDEUM SP. SURROUNDING AREA IS GRAZED ANNUAL GRASSLAND.

Threat: MAINTENANCE ACTIVITIES AT ONE SITE ON CALTRANS PROPERTY.

General: ONE POOL WITHIN RIGHT-OF-WAY AT POST MILE 7.9 IS ON CALTRANS PROPERTY; ALL OTHERS ARE ON PRIVATE PROPERTY. 6 POOLS SURVEYED FROM 08 NOV 2004 TO 01 FEB 2005, EACH WITH FEWER THAN 7 ADULTS COLLECTED & DEPOSITED IN CAS.

Owner/Manager: CALTRANS, PVT

Castilleja campestris ssp. succulenta

succulent owl's-clover

Status		NDDB Element Ranks		Element Code: PDSCR0D3Z1		Other Lists	
Federal: Threatened		Global: G47T2				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. 14	Map Index: 36544	EO Index: 361	Dates Last Seen	
Occ Rank: Good			Element: 1995-04-15	
Origin: Natural/Native occurrence			Site: 1995-04-15	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1997-12-22	
Main Source: STEBBINS, J. 1982 (OBS)				

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96914° / -119.83461°	UTM: Zone-11 N4095204 E247656	Mapping Precision: SPECIFIC	Township: 11S	
Area: 39.4 ac		Symbol Type: POLYGON	Range: 20E	
Elevation: 375 ft			Section: 18	Qtr: SW
			Meridian: M	

Location: NORTH OF AVENUE 15 AT JCT WITH AVENUE 39 1/2, NORTH OF LITTLE DRY CREEK, ABOUT 4.5 MI WEST OF LITTLE TABLE MOUNTAIN.
Location Detail: MAPPED WITHIN THE S 1/2 OF THE SW 1/4 OF SECTION 18. ABOUT 50-60 YDS EAST OF THE FENCELINE ON THE WEST SIDE OF THE PROPERTY.
Ecological: VERNAL POOLS ON HARD, LOAMY CLAY IN VALLEY GRASSLAND, ASSOCIATED WITH PLAGIOBOTHRYIS STIPITATUS, LYTHRUM HYSSOPIFOLIUM, DOWNINGIA, LASTHENIA, ERYNGIUM VASEYI, AND THE RARE ORCUTTIA INAEQUALIS.
Threat: THREATENED BY NEARBY SUBDIVISIONS AND VINEYARDS.
General: 250 INDIVIDUALS IN MAIN POOL COMPLEX IN 1982, 15 PLANTS SEEN IN ADDITIONAL POOL TO THE NORTH IN 1995. THIS COMPLEX OF POOLS CONTAINS MANY RARE AND ENDANGERED SPECIES.
Owner/Manager: PVT

Occurrence No. 29	Map Index: 14683	EO Index: 6892	Dates Last Seen	
Occ Rank: Poor			Element: 1995-04-12	
Origin: Natural/Native occurrence			Site: 1995-04-12	
Presence: Presumed Extant				
Trend: Unknown			Record Last Updated: 1997-12-22	
Main Source: MARTZ, C. 1985 (OBS)				

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94597° / -119.79212°	UTM: Zone-11 N4092521 E251364	Mapping Precision: SPECIFIC	Township: 11S	
Area: 18.4 ac		Symbol Type: POLYGON	Range: 20E	
Elevation: 405 ft			Section: 28	Qtr: NE
			Meridian: M	

Location: EAST SIDE OF HIGHWAY 41, APPROX 0.9 MILE SOUTH OF ROAD 204.
Location Detail: TWO COLONIES; ONE ALONG THE EAST SIDE OF THE HIGHWAY, THE SECOND IS 0.15 MILE EAST OF ROAD ALONG EPHEMERAL WATERCOURSE (IN SE 1/4 OF SECTION 28).
Ecological: IN BASINS OF NORTHERN HARDPAN VERNAL POOLS ASSOCIATED WITH DOWNINGIA BICORNUTA, ERYNGIUM VASEYI, MIMULUS TRICOLOR, PSILOCARPHUS BREVISSIMUS AND PLAGIOBOTHRYIS SP.
Threat: GRAZING, AGRICULTURE. PROPOSED WIDENING OF HWY 41 THREATENS CASTILLEJA ON EAST SIDE AND ORCUTTIA ON WEST SIDE OF RD.
General: 200-400 INDIVIDUALS OBSERVED ALONG HWY IN 1985, ONLY 10 SEEN IN 1993. DECLINE PROBABLY DUE TO ACTIVE TILLING OF GRAIN FIELD. SECOND COLONY WITH 100'S OF PLANTS REPORTED IN 1995.
Owner/Manager: PVT, CALTRANS

Castilleja campestris ssp. succulenta

succulent owl's-clover

Status	NDDB Element Ranks	Element Code: PDSCR0D3Z1	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.: 33	Map Index: 25120	EO Index: 6231	Dates Last Seen
Occ Rank: Fair			Element: 1992-04-28
Origin: Natural/Native occurrence			Site: 1992-04-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-02-25
Main Source: TRASK, M. 1992 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.93572° / -119.78701°	Township: 11S
UTM: Zone-11 N4091370 E251786	Range: 20E
Area: 10.4 ac	Section: 33
Elevation: 395 ft	Meridian: M
	Qtr: NW
Mapping Precision: SPECIFIC	
Symbol Type: POLYGON	

Location: 600 METERS EAST OF HIGHWAY 41 AND 0.85 MILES NORTH OF AVENUE 12, NORTHWEST OF THE SAN JOAQUIN RIVER.
Location Detail: ON TERRACE ABOVE AND TO THE SOUTH OF AN INTERMITTENT SWALE (CALTRANS ROUTE 41 NORTH PROJECT - POOLS #5-E-22, 5-E-19).
Ecological: VERNAL POOLS DOMINATED BY HORDEUM GENICULATA, PLAGIOBOTHRYIS STIPITATUS, LYTHRUM HYSSOPIFOLIA, ERYNGIUM VASEYI, CRASSULA AQUATICA, AND PSLILOCARPHUS BREVISSIMUS. CASTILLEJA MOSTLY ALONG THE EDGE OF THE POOL.
Threat: GRAZING AND POTENTIAL ROAD WIDENING ARE THREATS.
General: 23 PLANTS IN TWO POOLS OBSERVED IN 1993.
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 ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No.: 135	Map Index: 39388	EO Index: 34390	Dates Last Seen
Occ Rank: Fair			Element: 1992-03-XX
Origin: Natural/Native occurrence			Site: 1992-03-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1999-06-22
Main Source: HALSTEAD, J. & J. OLDHAM 1987 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.88429° / -119.79248°	Township: 12S
UTM: Zone-11 N4085678 E251132	Range: 20E
Area: 250.2 ac	Section: 16
Elevation: 270 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

Location: ALONG HWY 41 NORTH OF LANES BRIDGE, WEST OF THE SAN JOAQUIN RIVER, NORTH OF PINEDALE
Location Detail: RIPARIAN STRIP BETWEEN TURF FARM AND THE RIVER.
Ecological: HABITAT CONSISTS OF RIPARIAN, WHICH INCLUDES AN UNDERSTORY OF ELDERBERRY PLANTS.
Threat: THREATS INCLUDE HIGHWAY WIDENING AND TURF FARM OPERATIONS/MAINTENANCE.
General: OBSERVATION OF 1 FEMALE BEETLE MADE BY A CDFG BIOLOGIST IN 1987 (GNIS MAP #1446). IN 1992, 35 POTENTIAL HABITAT SITES WERE EXAMINED, AND 8 CONTAINED CONFIRMED EXIT HOLES.
Owner/Manager: UNKNOWN

Eremophila alpestris actia

California horned lark

_____ **Status** _____ **NDG**
Federal: None
State: None

_____ **Habitat Associations** _____
General: COASTAL REGIONS, CHIEFLY FROM SONOMA CO
Micro: SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNT

Occurrence No.: 2 **Map Index:** 34860
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: MORI, B. 1992 (OBS)

Quad Summary: LANES BRIDGE (3611987/379)
County Summary: FRESNO, MADERA

Lat/Long: 36.89556° / -119.79294°
UTM: Zone-11 N4086930 E2511
Radius: 1 mile
Elevation: 370 ft

Location: NORTH OF LANES BRIDGE
Location Detail: GUNNER RANCH.
Ecological: FALLOW FIELDS, BARE FIELDS AND DRY FAN.
Threat: POSSIBLE THREAT: AGRICULTURE, POTENTIAL HOSPI.
General: 30 ADULTS (APPROX. 10-20 PAIRS) OBSERVED IN POSSIBLE NES.
OTHER LARKS).
Owner/Manager: PVT

Great Valley Mixed Riparian Forest

_____ Status _____ NDDB Element Ranks _____ Element Code: CTT61420CA
Federal: None Global: G2 Other Lists _____
State: None State: S2.2
_____ Habitat Associations _____
General:
Micro:

Occurrence No. 36 Map Index: 14761 EO Index: 15633 Dates Last Seen _____
Occ Rank: Unknown
Origin: Natural/Native occurrence Element: 1983-10-27
Presence: Presumed Extant Site: 1983-10-27
Trend: Unknown
Main Source: HOOD, L. 1980 (LIT) Record Last Updated: 1998-07-21

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)
County Summary: FRESNO, MADERA

Lat/Long: 36.93375° / -119.75252° Township: 11S
UTM: Zone-11 N4091063 E254853 Range: 20E
Area: 103.6 ac Section: 35 Qtr: E
Elevation: 280 ft Mapping Precision: SPECIFIC
Symbol Type: POLYGON Meridian: M

Location: BALL RANCH ROOKERY VIC, ALONG SAN JOAQUIN RIVER, S OF LEDGER ISLAND.
Location Detail: MAP GENERALIZED FROM 1983 USAGE AERIAL PHOTOS.
Ecological: RIPARIAN ASSOC W/POPULUS FREMONTII, SALIX SPP, ALNUS RHOMBIFOLIA & PALNTUS RACEMOSA. ADJ TO GRASSLAND W/VALLEY OAKS.
General: THIS WAS OCC #026 OF CTT61420CA.
Owner/Manager: PVT

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status:
State: None	State: S2S3	

Habitat Associations

General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 2	Map Index: 24429	EO Index: 6582	Dates Last Seen
Occ Rank: Fair			Element: 1993-03-24
Origin: Natural/Native occurrence			Site: 1993-03-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-09-20
Main Source: MCFALL, M. 1993 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.98741° / -119.79556°	Township: 11S
UTM: Zone-11 N4097129 E251193	Range: 20E
Radius: 80 meters	Section: 09
Elevation: 405 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: ALONG MADERA CANAL, 0.1 MILE WEST OF HWY 41, 5 MILES WEST OF FRIANT.

Threat: THREATENED BY POSSIBLE WIDENING OF HWY 41.

General: A FEW OBSERVED IN 1993.

Owner/Manager: BOR

Occurrence No. 21	Map Index: 24600	EO Index: 6393	Dates Last Seen
Occ Rank: Good			Element: 1993-03-10
Origin: Natural/Native occurrence			Site: 1993-03-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-09-21
Main Source: MCFALL, M. 1993 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97562° / -119.75341°	Township: 11S
UTM: Zone-11 N4095711 E254907	Range: 20E
Radius: 80 meters	Section: 14
Elevation: 425 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: JUST SW OF THE JUNCTION OF MADERA CANAL AND ROAD 204, 3 MILES SW OF FRIANT.

General: SEVERAL OBSERVED IN 1993.

Owner/Manager: BOR

Occurrence No. 31	Map Index: 24599	EO Index: 6580	Dates Last Seen
Occ Rank: Good			Element: 1993-03-10
Origin: Natural/Native occurrence			Site: 1993-03-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-12-31
Main Source: MCFALL, M. 1993 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97714° / -119.75247°	Township: 11S
UTM: Zone-11 N4095877 E254996	Range: 20E
Radius: 80 meters	Section: 14
Elevation: 430 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: NE OF THE JUNCTION OF MADERA CANAL AND ROAD 204, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN.

General: BRANCHINECTA LYNCHI ALSO FOUND AT THIS SITE.

Owner/Manager: BOR

Linderiella occidentalis

California *Linderiella*

Element Code: ICBRA06010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	
State: None	State: S2S3	CDFG Status:

Habitat Associations

General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 39	Map Index: 33077	EO Index: 18876	Dates Last Seen
Occ Rank: Unknown			Element: 1994-03-28
Origin: Natural/Native occurrence			Site: 1994-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-03-23
Main Source: SEYMOUR, R. 1994 (MUS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.96816° / -119.86231°	Township: 11S
UTM: Zone-11 N4095169 E245186	Range: 19E
Radius: 1/5 mile	Section: 14
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: NORTH SIDE OF AVENUE 15, 1.2 MILES EAST OF ROAD 36-1/2, 5 MILES WEST OF LITTLE TABLE MOUNTAIN.

General: COLLECTION #RS-94-03, DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN

Occurrence No. 114	Map Index: 33338	EO Index: 23155	Dates Last Seen
Occ Rank: Excellent			Element: 1995-04-04
Origin: Natural/Native occurrence			Site: 1995-04-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-06-07
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.96913° / -119.82762°	Township: 11S
UTM: Zone-11 N4095185 E248279	Range: 20E
Radius: 80 meters	Section: 18
Elevation: 370 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: 0.25 MILE EAST OF THE ROAD 39-1/2 ALIGNMENT AND 0.2 MILE NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.

Location Detail: 1995-LOCATED IN THE FOURTH POOL IN A SERIES. 1993-G. KIRKPATRICK SAMPLED 4 POOLS IN A SERIES.

Ecological: HABITAT CONSISTS OF A CLAYPAN VERNAL POOL IN NON-NATIVE GRASSLAND. *HYLA REGILLA*, *SCAPHIOPUS HAMMONDI* AND *BRANCHINECTA LYNCHI* ALSO PRESENT AT THIS SITE.

Threat: POSSIBLY THREATENED BY SURROUNDING DEVELOPMENT AND GRAZING.

General: 15-20 OBSERVED ON 4 APRIL 1995, BUT NO ATTEMPT WAS MADE TO DETERMINE A TOTAL POPULATION NUMBER, UNKNOWN NUMBER OBSERVED ON 17 FEBRUARY 1993 IN 2 POOLS.

Owner/Manager: PVT

Occurrence No. 121	Map Index: 14592	EO Index: 29256	Dates Last Seen
Occ Rank: Good			Element: 1993-02-17
Origin: Natural/Native occurrence			Site: 1993-02-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-06
Main Source: KIRKPATRICK, G. 1993 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.96855° / -119.84268°	Township: 11S
UTM: Zone-11 N4095160 E246936	Range: 19E
Area: 127.6 ac	Section: 13
Elevation: 375 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: NORTHWEST OF AVENUE 15 X AVENUE 39 1/2; NORTH OF LITTLE DRY CREEK; APPROX. 4.5 AIR MILES WEST OF LITTLE TABLE MTN.

Location Detail: SAMPLED 2 POOLS IN A SERIES.

Ecological: CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.

Threat: POSSIBLE THREATS: GRAZING & RESIDENTIAL DEVELOPMENT.

General: LINDERIELLA CO-OCCURS WITH *BRANCHINECTA LYNCHI* IN BOTH POOLS; *AMBYSTOMA CALIFORNIENSE* AND *SCAPHIOPUS HAMMONDII* PRESENT LATER IN SPRING OF 1993.

Owner/Manager: PVT

Lytta molesta

molestan blister beetle

Element Code: IICOL4C030

Status	NDDB Element Ranks	Other Lists
Federal: None	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.: 7	Map Index: 14685	EO Index: 22651	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: 2006-03-30
Main Source: SELANDER, R. 1960 (LIT)			

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.87661° / -119.79181°	Township: 12S
UTM: Zone-11 N4084824 E251167	Range: 20E
Radius: 1/5 mile	Section: 21
Elevation:	Meridian: M
	Qtr: NW
Mapping Precision: NON-SPECIFIC	
Symbol Type: POINT	

Location: LANES BRIDGE, 10 MILES NORTH OF FRESNO.

General: SEASONAL DISTRIBUTION: APRIL 3 TO JULY 1. 3 COLLECTED IN APRIL; YEAR OF COLLECTION UNKNOWN.

Owner/Manager: UNKNOWN

Mylopharodon conocephalus

hardhead

Element Code: AFCJB25010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: LOW TO MID-ELEVATION STREAMS IN THE SACRAMENTO-SAN JOAQUIN DRAINAGE. ALSO PRESENT IN THE RUSSIAN RIVER.
Micro: CLEAR, DEEP POOLS W/ SAND-GRAVEL-BOULDER BOTTOMS & SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.

Occurrence No.: 12	Map Index: 32387	EO Index: 2311	Dates Last Seen
Occ Rank: Unknown			Element: 1981-11-XX
Origin: Natural/Native occurrence			Site: 1981-11-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-08-08
Main Source: SAIKI, M. 1984 (LIT)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.88469° / -119.78572°	Township: 12S
UTM: Zone-11 N4085704 E251736	Range: 20E
Area: 144.6 ac	Section: 16
Elevation: 255 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: SAN JOAQUIN RIVER; WEST OF FORT WASHINGTON; NORTHEAST OF LANES BRIDGE.

Ecological: RIVER. DISSOLVED OXYGEN = 9.1-12.2 MG/L. PH = 7.6-8.5. TOTAL ALKALINITY = 12-30 MG/L CaCO3. TEMP = 6.8-24.4 C. MOST COMMON SPECIES WERE SACRAMENTO SUCKER, GREEN SUNFISH, BLUEGILL, REDEAR SUNFISH, LARGEMOUTH BASS, SCULPINS & SQUAWFISH.

Threat: RELATIVELY UNAFFECTED BY IRRIGATION ACTIVITIES OF AGRICULTURAL LANDS BECAUSE TOO FAR UPSTREAM.

General: AT SAMPLING SITE SJR-1, NONE OBSERVED USING BAG SEINE, NONE OBSERVED USING BEACH SEINE, RARE ABUNDANCE OBSERVED USING ELECTROFISHING. RELATIVE ABUNDANCE BASED ON AVERAGE PERCENTAGES OF MONTHLY CATCHES.

Owner/Manager: UNKNOWN

Northern Claypan Vernal Pool

Element Code: CTT44120CA

Status: _____ NDDB Element Ranks: _____ Other Lists: _____
 Federal: None Global: G1
 State: None State: S1.1

Habitat Associations: _____
 General:
 Micro:

Occurrence No. 6 Map Index: 14687 EO Index: 26474 Dates Last Seen: _____
 Occ Rank: Unknown Element: 1980-01-XX
 Origin: Natural/Native occurrence Site: 1980-01-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-15
 Main Source: HOOD, L. 1977 (LIT) CNACC

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.86226° / -119.79161° Township: 12S
 UTM: Zone-11 N4083231 E251138 Range: 20E
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 28 Qtr: SW
 Elevation: 350 ft Symbol Type: POINT Meridian: M

Location: N OF PINEDALE. E SIDE BOUNDED BY FRIANT RD. W SIDE BOUNDED BY RIV BLUFF.

Location Detail: ABOUT 700 ACRES.

Ecological: SERIES OF MIMA MOUNDS W/INTERSPERSED POOLS. ENDANGERED ORTHOCARPUS SUCCULENTUS, ORCUTTIA CALIFORNICA VAR INEQUALIS HERE. GRASSLAND W/ HIGH % EXOTICS.

Threat: AREA GRAZED. RESIDENTIAL DEVEL IS A THREAT.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

Status _____ NDDB Element Ranks _____ Other Lists _____
 Federal: None Global: G3
 State: None State: S3.1

Habitat Associations _____

General:
 Micro:

Occurrence No. 5 Map Index: 14693 EO Index: 744 Dates Last Seen _____
 Occ Rank: Unknown Element: 1983-XX-XX
 Origin: Natural/Native occurrence Site: 1983-XX-XX
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 1998-07-15
 Main Source: GRIGGS, T. 1980 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.94715° / -119.78987° Township: 11S
 UTM: Zone-11 N4092647 E251569 Range: 20E
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 28 Qtr: E
 Elevation: 395 ft Symbol Type: POINT Meridian: M

Location: EAST SIDE OF HWY 41 ABOUT 1.5 MI N OF AVE 12, NEAR LITTLE TABLE MOUNTAIN.

Location Detail: POOLS NOT CONTINUOUS BUT IN UNPLOWED AREAS; SOME DENSE POOLS AREAS.

Ecological: VALLEY GRASSLAND W/VERNAL STREAMS AND POOLS. VERY HUMMOCKY. RELATIVELY UNDISTURBED IN 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: AGRICULTURAL EXPANSION & WEEDY INVASION THREATEN.

Owner/Manager: UNKNOWN

Occurrence No. 35 Map Index: 14549 EO Index: 27457 Dates Last Seen _____
 Occ Rank: Unknown Element: 1980-04-29
 Origin: Natural/Native occurrence Site: 1980-04-29
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-15
 Main Source: GRIGGS, T. 1980 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A), GREGG (3611988/379B)

County Summary: MADERA

Lat/Long: 36.96160° / -119.86737° Township: 11S
 UTM: Zone-11 N4094455 E244714 Range: 10E
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 23 Qtr: N
 Elevation: 350 ft Symbol Type: POINT Meridian: M

Location: HWY 41 N FROM FRESNO TO HWY (AVE) 15 THEN 3 MI W. AREA INCL 3 SECTIONS.

Location Detail: POOLS IN MEANDERS OF EPHEMERAL CREEKS. POOLS VERY DENSE IN SOME AREAS OF 1-5 ACRES. W/IN ANNUAL GRASSLAND.

Ecological: ROLLING PLAIN BUT FAIRLY LEVEL. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: HEAVY CATTLE GRAZING IN MANY AREAS.

Owner/Manager: UNKNOWN

Occurrence No. 36 Map Index: 14580 EO Index: 27313 Dates Last Seen _____
 Occ Rank: Unknown Element: 1980-04-28
 Origin: Natural/Native occurrence Site: 1980-04-28
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-15
 Main Source: GRIGGS, T. 1980 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A), LITTLE TABLE MTN. (3711917/399D)

County Summary: MADERA

Lat/Long: 37.00272° / -119.85487° Township: 11S
 UTM: Zone-11 N4098985 E245964 Range: 19E
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 01 Qtr: W
 Elevation: 400 ft Symbol Type: POINT Meridian: M

Location: 10 MI E OF MADERA ON AVE 15. AREA INCL SEC 1 & 2. (ACTUALLY E ON HWY 145).

Location Detail: POOLS FORM IN MEANDERS OF EPHEMERAL CRKS. SOME AREAS OF 1-5 ACRES W/ VERY DENSE VP HABITAT. W/IN ANNUAL GRASSLAND.

Ecological: ROLLING PLAIN BUT FAIRLY LEVEL. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: HEAVY CATTLE GRAZING IN MANY AREAS.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

Status: _____ NDDB Element Ranks: _____ Other Lists: _____
 Federal: None Global: G3
 State: None State: S3.1

Habitat Associations: _____
 General:
 Micro:

Occurrence No. 125 Map Index: 25121 EO Index: 14557 Dates Last Seen: _____
 Occ Rank: Good Element: 1986-05-21
 Origin: Natural/Native occurrence Site: 1986-05-21
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-15
 Main Source: STEBBINS, J. 1986 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.96801° / -119.83676° Township: 11S
 UTM: Zone-11 N4095085 E247461 Range: 20E
 Area: 9.4 ac Mapping Precision: SPECIFIC Section: 18 Qtr: SW
 Elevation: 365 ft Symbol Type: POLYGON Meridian: M

Location: JUST NORTH OF AVENUE 15, 1/2 MILE WEST OF ROAD 39 1/2.

Ecological: VERNAL POOLS IN CISMONTANE VALLEY GRASSLAND. CRACKED CLAY SOILS IN CENTER OF POOLS. ORCUTTIA INAEQUALIS IN ASSOCIATION WITH ORTHOCARPUS CAMPESTRIS SUCCULENTIS, PSILOCARPUS, DOWNINGIA, PLAGIOBOTHRYIS AND VULPIA MYURAS.

Threat: GRAZING AND NEARBY AG. AND RANCH SUBDIVISIONS ARE IMMEDIATE THREATS.

General: THE LAST GOOD POPULATION OF THIS SPECIES SOUTH OF MERCED COUNTY. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Owner/Manager: PVT

Occurrence No. 126 Map Index: 14573 EO Index: 9519 Dates Last Seen: _____
 Occ Rank: Poor Element: 1986-05-21
 Origin: Natural/Native occurrence Site: 1986-05-21
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 1998-07-15
 Main Source: STEBBINS, J. 1986 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.93331° / -119.85505° Township: 11S
 UTM: Zone-11 N4091283 E245717 Range: 19E
 Area: 5.5 ac Mapping Precision: SPECIFIC Section: 36 Qtr: NW
 Elevation: 325 ft Symbol Type: POLYGON Meridian: M

Location: JUST EAST OF ROAD 38, AND JUST N. OF THE SE ARM OF THE MADERA CANAL.

Location Detail: UNDER PG&E POWER LINES.

Ecological: VERNAL POOL IN VALLEY GRASSLAND, RECENTLY DISKED CAUSING IRREVERSIBLE DAMAGE. ASSOCIATED SPECIES INCLUDE ERYNGIUM VASEYI, POLYPOGON, PSILOCARPUS AND BROMUS RUBENS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: AG.

Owner/Manager: UNKNOWN

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.

Micro: 30-755M.

Occurrence No. 21	Map Index: 14687	EO Index: 22388	Dates Last Seen
Occ Rank: None			Element: 1927-05-27
Origin: Natural/Native occurrence			Site: 1987-06-01
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1995-07-13
Main Source: KLYVER, F. #1006 DS (HERB)			

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.86226° / -119.79161°	Township: 12S
UTM: Zone-11 N4083231 E251138	Range: 20E
Radius: 1 mile	Section: 28
Elevation: 350 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: NEAR LANE'S BRIDGE NEAR FRIANT.

General: THIS REGION HAS BEEN LEVELED AND IS NOW BEING DEVELOPED FOR RESIDENTIAL AND COMMERCIAL USES AS WELL AS RECREATION ACCORDING TO STEBBINS (1987).

Owner/Manager: UNKNOWN

Occurrence No. 23	Map Index: 14577	EO Index: 22384	Dates Last Seen
Occ Rank: None			Element: 1979-XX-XX
Origin: Natural/Native occurrence			Site: 1987-06-01
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1995-07-13
Main Source: HOLLAND, R. 1979 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.92605° / -119.85487°	Township: 11S
UTM: Zone-11 N4090476 E245709	Range: 19E
Radius: 1/5 mile	Section: 36
Elevation: 355 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: 0.25 MI N OF AVENUE 12, NE OF BERKSHIRE DRIVE, & 0.25 MI NE OF CANAL BM.

General: SPECIES HASN'T BEEN SEEN HERE SINCE 1979. THIS SITE HAS BEEN LEVELED AND PLOWED AND WAS IN DRYLAND WHEAT IN 1987 ACCORDING TO STEBBINS.

Owner/Manager: UNKNOWN

Occurrence No. 41	Map Index: 36544	EO Index: 6232	Dates Last Seen
Occ Rank: Good			Element: 1995-09-04
Origin: Natural/Native occurrence			Site: 1995-09-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-12-22
Main Source: STEBBINS, J. 1982 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.96914° / -119.83461°	Township: 11S
UTM: Zone-11 N4095204 E247656	Range: 20E
Area: 39.4 ac	Section: 18
Elevation: 375 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: ALONG NORTH SIDE OF AVENUE 15 ABOUT 0.35 MILE WEST OF ROAD 39 1/2, 4 MILES WEST OF LITTLE TABLE MOUNTAIN.

Location Detail: MAPPED WITHIN THE S 1/2 OF THE SW 1/4 OF SECTION 18.

Ecological: GROWING ON DRY CRACKED CLAY IN CENTER OF VERNAL POOLS WITHIN VALLEY GRASSLAND. ASSOCIATED WITH ERYNGIUM, DOWNINGIA, PSILOCARPUS BREVISSIMUS, PLAGIOBOTHRYUS, CASTILLEJA CAMPESTRIS VAR. SUCCULENTA, PLAGIOBOTHRYUS STIPITATA, AND VULPIA MYUROS.

Threat: THREATENED BY GRAZING, AGRICULTURAL DEVELOPMENT, AND RANCH SUBDIVISION.

General: APPROXIMATELY 200 PLANTS SEEN IN 1982; 400 PLANTS IN 1983 AND 1986. THIS IS THE ONLY GOOD POPULATION SOUTH OF MERCED COUNTY ACCORDING TO J. STEBBINS. 1100+ OBSERVED IN 1995. MANY OTHER RARE SPECIES OCCUR IN THESE POOLS AS WELL.

Owner/Manager: 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
 Micro: 30-755M.

Occurrence No. 43	Map Index: 36547	EO Index: 2302	Dates Last Seen
Occ Rank: Poor			Element: 1995-09-10
Origin: Natural/Native occurrence			Site: 1995-09-10
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1997-12-22
Main Source: REEDER, J. 1982 (LIT)			

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.94842° / -119.79431°	Township: 11S
UTM: Zone-11 N4092799 E251177	Range: 20E
Area: 21.3 ac	Section: 28
Elevation: 400 ft	Meridian: M
	Qtr: W
Mapping Precision: SPECIFIC	
Symbol Type: POLYGON	

Location: BOTH SIDES OF HIGHWAY 41 ABOUT 1.7 MILES NORTH OF JUNCTION WITH AVENUE 12, 3 MILES SOUTHWEST OF LITTLE TABLE MOUNTAIN.
Location Detail: WEST SIDE OF HWY 41. 3 POOLS, 1.5, 1.7, AND 1.9 MILES NORTH OF AVE 12. CALTRANS POOL #'S 210 (NORTH), 213 (MID), AND 211 (SOUTH). EAST SIDE OF HIGHWAY ABOUT 1.55 MILE NORTH OF AVE 12.
Ecological: POOLS IN A LARGE DRY-FARMED GRAINFIELD. HIGH TERRACE SITE WITH HARDPAN SOILS MAPPED AS SAN JOAQUIN SANDY LOAM. WITH LYTHRUM HYSSOPIFOLIA, JUNCUS BUFONIUS, HEMIZONIA FITCHII, ERYNGIUM SP., PSILOCARPHUS BREVISSIMUS, DOWNINGIA ORNATISSIMA.
Threat: DEVELOPMENT, HWY EXPANSION, AG, & POSS. MICE WHICH MAY EAT SPIKELETS, THREATEN. SITE DISKED (ANNUALLY?). SITE GRAZED.
General: 1000 PLANTS IN MID, S-POOLS IN 1986; 10 IN N-POOL, 10,000+ IN MID-POOL, 250 IN S-POOL IN 1992. N-POOL PLANTS ID'D AS O. PILOSA IN 1986 (MARTIN); ONLY O. INAEQUALIS ID'D IN N-POOL IN 1992 (BASED ON LEMMA TEETH). 100+ IN EAST POOL IN 1986.
Owner/Manager: PVT, CALTRANS

Occurrence No. 45	Map Index: 14573	EO Index: 9516	Dates Last Seen
Occ Rank: Fair			Element: 1991-09-11
Origin: Natural/Native occurrence			Site: 1991-09-11
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-07-13
Main Source: STEBBINS, J. 1983 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.93331° / -119.85505°	Township: 11S
UTM: Zone-11 N4091283 E245717	Range: 19E
Area: 5.5 ac	Section: 36
Elevation: 325 ft	Meridian: M
	Qtr: NW
Mapping Precision: SPECIFIC	
Symbol Type: POLYGON	

Location: E OF MADERA RANCHOS SUBDIVISION, JUST N OF MADERA CANAL.
Location Detail: PLANTS UNDER PG&E POWER LINES.
Ecological: LARGE VERNAL POOLS IN ANNUAL GRASSLAND WITH ERYNGIUM VASEYI, TRICHOSTEMA, POLYPOGON, PSILOCARPHUS, BROMUS RUBENS.
Threat: SITE PLOWED & PLANTED TO WHEAT IN 1986, BUT ORCUTTIA PLENTIFUL 5 YEARS LATER. ORV USE, CANAL, & SURROUNDING AG THREATEN.
General: VIGOROUS POPULATION OF APPROX 1000 PLANTS IN 1983, 60 PLANTS IN 1986, NONE SEEN IN 1987, 3000 IN 1991.
Owner/Manager: 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

Micro: 30-755M.

Occurrence No. 48

Map Index: 24646

EO Index: 6891

Dates Last Seen

Occ Rank: Poor

Element: 1992-06-17

Origin: Natural/Native occurrence

Site: 1992-06-17

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1993-12-13

Main Source: STONE, R. 1992 (OBS)

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.93595° / -119.79158°

UTM: Zone-11 N4091408 E251380

Radius: 80 meters

Elevation: 390 ft

Township: 11S

Range: 20E

Section: 33

Qtr: NE

Mapping Precision: SPECIFIC

Symbol Type: POINT

Meridian: M

Location: 0.9 MI N OF AVENUE 12, 0.1 MI E OF HWY 41.

Location Detail: POOL #5E-28 FOR CALTRANS RTE 41 NORTH PROJECT.

Ecological: LARGE VERNAL POOL IN ANNUAL GRASSLAND WITH ERYNGIUM SP., PSILOCARPUS BREVISSIMUS, EREMOCARPUS SETIGERUS.

Threat: CATTLE GRAZING AND TRAMPLING HAVE DAMAGED POOLS. SITE UNDER STUDY BY CALTRANS FOR FREEWAY ALIGNMENT (1992).

General: FEWER THAN 10 PLANTS IN 1992.

Owner/Manager: PVT

Occurrence No. 52

Map Index: 31545

EO Index: 2478

Dates Last Seen

Occ Rank: Unknown

Element: 1973-05-31

Origin: Natural/Native occurrence

Site: 1987-09-03

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1995-07-17

Main Source: BIOSYSTEMS ANALYSIS 1988 (LIT)

Quad Summary: LANES BRIDGE (3611987/379A)

County Summary: MADERA

Lat/Long: 36.95496° / -119.79319°

UTM: Zone-11 N4093522 E251298

Area: 33.4 ac

Elevation: 400 ft

Township: 11S

Range: 20E

Section: 21

Qtr: SE

Mapping Precision: NON-SPECIFIC

Symbol Type: POLYGON

Meridian: M

Location: 8 MILES NORTH OF PINEDALE ON EAST SIDE OF HWY 41.

Ecological: IN SMALL VERNAL POOL.

Threat: SITE VERY WEEDY & HEAVILY GRAZED WHEN VISITED IN 1987. FREEWAY CORRIDOR PROJECT & ENCROACHING DEVELOPMENT ALSO THREATEN.

General: COLLECTED HERE IN 1973 BY REEDER & REEDER (#6215 ARIZ, RM). NOT FOUND BY STONE OR STEBBINS IN 1987.

Owner/Manager: PVT

Orcuttia pilosa

hairy orcutt grass

Element Code: PMPOA4G040

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2	CNPS List: 1B
State: Endangered	State: S2.1	R-E-D Code: 2-3-3

Habitat Associations

General: VERNAL POOLS.
 Micro: 25-125M.

Occurrence No. 29	Map Index: 36530	EO Index: 2303	Dates Last Seen
Occ Rank: Poor			Element: 1986-08-15
Origin: Natural/Native occurrence			Site: 1992-04-30
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1997-12-19
Main Source: MARTIN, D. 1986 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.95009° / -119.79510°	Township: 11S
UTM: Zone-11 N4092986 E2511113	Range: 20E
Radius: 80 meters	Section: 28
Elevation: 410 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: WEST OF STATE ROUTE 41, 1.9 MILES NORTH OF INTERSECTION WITH AVENUE 12 AND 5.1 MILES NORTH OF LANES BRIDGE.
Location Detail: MAPPED IN SINGLE POOL, ABOUT 0.7 MILE SOUTH OF ROAD 204 AND 0.1 MILE WEST OF SR 41. WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 28.
Ecological: NORTHERN HARDPAN VERNAL POOL ON SAN JOAQUIN FINE SANDY LOAM. POOL SURROUNDED BY DRY-FARMED GRAINFIELD. ASSOCIATES INCLUDE ERYNGIUM VASEYI, TRICHOSTEMA SP., ELEOCHARIS PALUSTRIS, DOWNINGIA BICORNUTA, PLAGIOBOTHRYUS STIPITATUS MICRANTHUS, ETC.
Threat: AREA DRY FARMED; CURRENTLY IN OATS. SITE UNDER STUDY FOR FUTURE FREEWAY CORRIDOR.
General: 2 PLANTS OBSERVED IN 1986, NONE FOUND IN 1992. SEED BED MAY STILL BE PRESENT; SHOULD BE FIELD CHECKED ANNUALLY. QUESTIONABLE ID; PLANTS ID'D IN 1986 AS O. PILOSA, IN 1992 ID'D AS O. INAEQUALIS. 1986 VOUCHER BY MARTIN LOST.

Owner/Manager: PVT

Occurrence No. 45	Map Index: 37744	EO Index: 32752	Dates Last Seen
Occ Rank: Good			Element: 1995-09-12
Origin: Natural/Native occurrence			Site: 1995-09-12
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-12-19
Main Source: STEBBINS, J. & B. TRAYLER 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94091° / -119.79305°	Township: 11S
UTM: Zone-11 N4091962 E251265	Range: 20E
Radius: 80 meters	Section: 28
Elevation: 400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: EAST SIDE OF HIGHWAY 41 ABOUT 1.2 MILES NORTH OF AVENUE 12, NORTH OF LANES BRIDGE.
Location Detail: JUST NORTH OF EAST-WEST RUNNING TRANSMISSION LINES.
Ecological: SWALE-LIKE VERNAL POOL WITHIN NON-NATIVE GRASSLAND. ASSOCIATED WITH DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, AND PLAGIOBOTHRYUS STIPITATUS.
Threat: GRAZING.
General: 50 PLANTS OBSERVED IN 1995. LAND WAS PURCHASED TO PRESERVE AND ENHANCE VERNAL POOLS AS MITIGATION FOR THOSE IMPACTED BY THE REALIGNMENT OF HIGHWAY 41.

Owner/Manager: CALTRANS

Perognathus inornatus inornatus

San Joaquin pocket mouse

Element Code: AMAFD01061

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T2T3	CDFG Status:
State: None	State: S2S3	

Habitat Associations

General: TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS.
Micro: NEEDS FRIABLE SOILS.

Occurrence No.: 14	Map Index: 14685	EO Index: 23938	Dates Last Seen
Occ Rank: Unknown			Element: 1911-04-07
Origin: Natural/Native occurrence			Site: 1911-04-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-11
Main Source: CHANDLER, W. 1911 (MUS)			

Quad Summary: FRESNO NORTH (3611977/379D), LANES BRIDGE (3611987/379A)

County Summary: FRESNO, MADERA

Lat/Long: 36.87661° / -119.79181°	Township: 12S
UTM: Zone-11 N4084824 E251167	Range: 20E
Radius: 1/5 mile	Section: 21
Elevation:	Meridian: M
	Qtr: NW
	Mapping Precision: NON-SPECIFIC
	Symbol Type: POINT

Location: LANES BRIDGE 10 MILES NORTH OF FRESNO

General: 2 SPECIMENS COLLECTED MVZ #14488 & 14489.

Owner/Manager: UNKNOWN

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 23	Map Index: 22101	EO Index: 16883	Dates Last Seen
Occ Rank: Good			Element: 1992-03-19
Origin: Natural/Native occurrence			Site: 1992-03-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-01-04
Main Source: OLSON, T. 1992 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.91559° / -119.78953°	Township: 12S
UTM: Zone-11 N4089143 E251497	Range: 20E
Radius: 1/5 mile	Section: 04
Elevation: 350 ft	Qtr: SE
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: IN THE VICINITY OF ROOT CREEK, EAST OF STATE ROUTE 41 AND ABOUT 0.6 MILE SOUTH OF AVENUE 12, 9 MILES WEST OF FRIANT.
Location Detail: TADPOLES FOUND IN FOUR VERNAL POOLS LOCATED BETWEEN STATE ROUTE 41 AND UP TO 0.5 MILES TO THE EAST.
Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM AND ERYNGIUM VASEYI. BRANCHINECTA LYNCHI ALSO PRESENT.
Threat: POTENTIAL THREATS INCLUDE GRAZING AND HIGHWAY WIDENING.
General: AN UNESTIMATED NUMBER OF TADPOLES OBSERVED.
Owner/Manager: PVT

Occurrence No. 104	Map Index: 33338	EO Index: 23154	Dates Last Seen
Occ Rank: Excellent			Element: 1995-03-28
Origin: Natural/Native occurrence			Site: 1995-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-06-07
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96913° / -119.82762°	Township: 11S
UTM: Zone-11 N4095185 E248279	Range: 20E
Radius: 80 meters	Section: 18
Elevation: 370 ft	Qtr: SE
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: 0.25 MILE EAST OF THE ROAD 39-1/2 ALIGNMENT AND 0.2 MILE NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.
Location Detail: 1995-LOCATED IN THE FOURTH POOL IN A SERIES. 1993-G. KIRKPATRICK SAMPLED 4 POOLS IN A SERIES.
Ecological: HABITAT CONSISTS OF A CLAYPAN VERNAL POOL IN NON-NATIVE GRASSLAND. HYLEA REGILLA, LINDERIELLA OCCIDENTALIS, AND BRANCHINECTA LYNCHI ALSO PRESENT.
Threat: POSSIBLY THREATENED BY SURROUNDING DEVELOPMENT, GRAZING.
General: 100'S OF LARVAE OBSERVED ON 28 MARCH 1995. TOADS FOUND IN 3 OF 4 POOLS SAMPLED LATER IN SPRING OF 1993.
Owner/Manager: PVT

Spea (=Scaphiopus) hammondi

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 105	Map Index: 14592	EO Index: 27678	Dates Last Seen
Occ Rank: Excellent			Element: 1995-03-28
Origin: Natural/Native occurrence			Site: 1995-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-08-06
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.96855° / -119.84268°	UTM: Zone-11 N4095160 E246936	Township: 11S
Area: 127.6 ac	Elevation: 375 ft	Range: 19E
	Mapping Precision: NON-SPECIFIC	Section: 13
	Symbol Type: POLYGON	Meridian: M
		Qtr: SW

Location: 0.4 MILE WEST OF ROAD 39-1/2, JUST NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.

Location Detail: SITE IS LOCATED ON A SIX-SECTION PIECE OF PROPERTY WHICH IS QUITE NEAR TWO PROPOSED NEW CITIES, RIO MESA AND CASTLE COOK DEVELOPMENT.

Ecological: HABITAT CONSISTS OF CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND. OTHER TAXA PRESENT INCLUDE AMBYSTOMA CALIFORNIENSE, BUFO BOREAS, Hyla regilla branchi lynchi & LINDERIELLA OCCIDENTALIS.

Threat: POSSIBLE THREAT FROM SURROUNDING DEVELOPMENT AND GRAZING.

General: 100'S OF LARVAE FOUND IN 2 ADJACENT POOLS ON 28 MARCH 1995. TOADS & TIGER SALAMANDERS BOTH OBSERVED IN 2 OF 2 POOLS SAMPLED DURING A BRANCHINECTA LYNCHI SURVEY IN SPRING 1993.

Owner/Manager: PVT

Occurrence No. 106	Map Index: 33340	EO Index: 23162	Dates Last Seen
Occ Rank: Excellent			Element: 1995-03-28
Origin: Natural/Native occurrence			Site: 1995-03-28
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-01-30
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94225° / -119.79099°	UTM: Zone-11 N4092105 E251453	Township: 11S
Radius: 80 meters	Elevation: 400 ft	Range: 20E
	Mapping Precision: SPECIFIC	Section: 28
	Symbol Type: POINT	Meridian: M
		Qtr: SE

Location: 0.2 MILE EAST OF HWY 41, 1.3 MILES NORTH OF AVENUE 12, SW OF LITTLE TABLE MOUNTAIN.

Location Detail: LOCATED APPROXIMATELY 150 YARDS NE OF THE FIRST POWER TRANSMISSION TOWER EAST OF HWY 41 AND 200 YARDS SOUTH OF MILEPOST 5.0.

Ecological: HABITAT CONSISTS OF A SWALE-LIKE VERNAL POOL; DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, AND PLAGIOBOTHRYUS STIPITATUS.

Threat: ALTHOUGH LAND WAS PURCHASED TO PRESERVE AND ENHANCE VERNAL POOLS, THE PREVIOUS OWNER IS STILL ALLOWED TO GRAZE THE SITE.

General: 100'S OF LARVAE OBSERVED ON 28 MARCH 1995.

Owner/Manager: CALTRANS

Spea (=Scaphiopus) hammondii

western spadefoot

Element Code: AAABF01030

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 107	Map Index: 33341	EO Index: 14220	Dates Last Seen
Occ Rank: Excellent			Element: 2000-04-04
Origin: Natural/Native occurrence			Site: 2000-04-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-05-02
Main Source: TRAYLER, B. & R. KOKX 1995 (OBS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94497° / -119.79261°	Township: 11S
UTM: Zone-11 N4092412 E251318	Range: 20E
Radius: 80 meters	Section: 28
Elevation: 400 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: E
Symbol Type: POINT	

Location: EAST SIDE OF HIGHWAY 41, 1.5 MILES NORTH OF AVENUE 12, SW OF LITTLE TABLE MOUNTAIN
Location Detail: LOCATED APPROXIMATELY 30 YARDS EAST OF MADERA COUNTY MILEPOST 5.0 ALONG STATE HWY 41.
Ecological: HABITAT CONSISTS OF A SWALE-LIKE VERNAL POOL, VEGETATED BY DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, PLAGIOBOTHRYS STIPITATUS, ORCUTTIA INAEQUALIS, AND CASTILLEJA CAMPESTRIS SUCCULENTA; SURROUNDED BY GRAZED GRASSLAND.
Threat: ALTHOUGH LAND WAS PURCHASED TO PRESERVE AND ENHANCE VERNAL POOLS, THE PREVIOUS OWNER IS STILL ALLOWED TO GRAZE THE SITE.
General: ~100 LARVAE WERE OBSERVED ON 4 APR 1995. 4 JUVENILES OBSERVED ON 4 APR 2000.
Owner/Manager: CALTRANS

Occurrence No. 196	Map Index: 45181	EO Index: 45181	Dates Last Seen
Occ Rank: Unknown			Element: 2001-02-XX
Origin: Natural/Native occurrence			Site: 2001-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-04-11
Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)			

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.94405° / -119.76259°	Township: 11S
UTM: Zone-11 N4092232 E253989	Range: 20E
Radius: 80 meters	Section: 26
Elevation: 320 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: 2 MILES SE OF THE INTERSECTION OF ROAD 204 AND HIGHWAY 41, WEST OF FRIANT
Ecological: NON-NATIVE ANNUAL GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
Threat: AVENUE 12 VILLAGE AREA, URBAN/COMMERCIAL DEVELOPMENT.
General: UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.
Owner/Manager: PVT

Spea (=Scaphiopus) hammondi

western spadefoot

Element Code: AAABF01030

Status: _____ NDBB Element Ranks: _____ Other Lists: _____
 Federal: None Global: G3
 State: None State: S3 CDFG Status: SC

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
 Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 197 Map Index: 45182 EO Index: 45182 Dates Last Seen: _____
 Occ Rank: Unknown Element: 2001-02-XX
 Origin: Natural/Native occurrence Site: 2001-02-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2003-05-15
 Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.90552° / -119.78512° Township: 12S
 UTM: Zone-11 N4088015 E251857 Range: 20E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 09 Qtr: NE
 Elevation: 350 ft Symbol Type: POINT Meridian: M

Location: 0.4 MILE EAST OF HIGHWAY 41 AND 0.3 MILE SOUTH OF AVENUE 11, 4.5 MILES NORTH OF PINEDALE
 Ecological: NON-NATIVE ANNUAL GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
 Threat: AVENUE 12 VILLAGE AREA, URBAN/COMMERCIAL DEVELOPMENT.
 General: UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.
 Owner/Manager: PVT

Occurrence No. 198 Map Index: 45183 EO Index: 45183 Dates Last Seen: _____
 Occ Rank: Unknown Element: 2001-02-XX
 Origin: Natural/Native occurrence Site: 2001-02-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2003-05-15
 Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.95126° / -119.77616° Township: 11S
 UTM: Zone-11 N4093067 E252803 Range: 20E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 27 Qtr: NW
 Elevation: 420 ft Symbol Type: POINT Meridian: M

Location: 0.9 MILE EAST OF HIGHWAY 41 AND 0.5 MILE SOUTH OF ROAD 204, 7 MILES NORTH OF PINEDALE
 Ecological: NON-NATIVE ANNUAL GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
 Threat: AVENUE 12 VILLAGE AREA, URBAN/COMMERCIAL DEVELOPMENT.
 General: UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.
 Owner/Manager: PVT

Occurrence No. 199 Map Index: 45184 EO Index: 45184 Dates Last Seen: _____
 Occ Rank: Unknown Element: 2001-02-XX
 Origin: Natural/Native occurrence Site: 2001-02-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2001-04-11
 Main Source: HALSTEAD, J. A. & P. S. 2001 (PERS)

Quad Summary: LANES BRIDGE (3611987/379A)
 County Summary: MADERA

Lat/Long: 36.93521° / -119.78858° Township: 11S
 UTM: Zone-11 N4091318 E251645 Range: 20E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 33 Qtr: NE
 Elevation: 390 ft Symbol Type: POINT Meridian: M

Location: 0.3 MILE EAST OF HIGHWAY 41 AND 0.8 MILE NORTH OF AVENUE 12, 6 MILES NORTH OF PINEDALE
 Ecological: NON-NATIVE ANNUAL GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS ARE AGRICULTURE, COMMERCIAL OR URBAN.
 Threat: AVENUE 12 VILLAGE AREA, URBAN/COMMERCIAL DEVELOPMENT.
 General: UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.
 Owner/Manager: PVT

Spea (=Scaphiopus) hammondi

western spadefoot

Element Code: AAABF01030

Status _____ **NDDB Element Ranks** _____ **Other Lists** _____
 Federal: None Global: G3
 State: None State: S3 CDFG Status: SC

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.
Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 248 **Map Index:** 25584 **EO Index:** 49452 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1991-04-15
Origin: Natural/Native occurrence **Site:** 1991-04-15
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2002-11-21
Main Source: SHAFFER, H. ET AL 1993 (LIT)

Quad Summary: LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.98806° / -119.75621° **Township:** 11S
UTM: Zone-11 N4097099 E254698 **Range:** 20E
Radius: 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 11 **Qtr:** SE
Elevation: 440 ft **Symbol Type:** POINT **Meridian:** M

Location: WEST SIDE OF ROAD 204, 0.7 MILE SOUTH OF HIGHWAY 145, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN
Location Detail: SHAFFER SITE #107. LOCATED ON THE URRUTINA RANCH.
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: SPADEFOOT TOADS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.
Owner/Manager: PVT

Occurrence No. 249 **Map Index:** 25585 **EO Index:** 49453 **Dates Last Seen** _____
Occ Rank: Unknown **Element:** 1991-04-15
Origin: Natural/Native occurrence **Site:** 1991-04-15
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 2002-11-21
Main Source: SHAFFER, H. ET AL 1993 (LIT)

Quad Summary: FRIANT (3611986/378B), LANES BRIDGE (3611987/379A)
County Summary: MADERA

Lat/Long: 36.97550° / -119.75247° **Township:** 11S
UTM: Zone-11 N4095695 E254991 **Range:** 20E
Radius: 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 14 **Qtr:** NE
Elevation: 425 ft **Symbol Type:** POINT **Meridian:** M

Location: JUST EAST OF ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE EDGE OF LITTLE TABLE MOUNTAIN
Location Detail: SHAFFER SITE #111. LOCATED ON THE URRUTINA RANCH.
Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND.
General: SPADEFOOT TOADS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.
Owner/Manager: PVT

