

C.3 - California Natural Diversity Database



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California Department of Fish and Game
California Natural Diversity Database



Ambystoma californiense		Element Code: AAAAA01180	
California tiger salamander			
Listing Status:	Federal: Threatened	CNDDDB Element Ranks:	Global: G2G3
	State: Threatened		State: S2S3
	Other: DFG_SSC-Species of Special Concern, IUCN_VU-Vulnerable		
Habitat:	General: CENTRAL VALLEY DPS FEDERALLY LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS FEDERALLY 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	Element Last Seen:	1974-04-02
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		1974-04-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-05-19	

Quad Summary: Lanes Bridge (3611987), Gregg (3611988), Little Table Mtn. (3711917), Daulton (3711918)
County Summary: Madera

Lat/Long:	36.98800 / -119.88182	Accuracy:	1 mile
UTM:	Zone-11 N4097423 E243516	Elevation (ft):	375
PLSS:	T11S, R19E, Sec. 10 (M)	Acres:	0.0

Location: THE GENERAL AREA EAST OF ROAD 36 AND NORTH OF AVE 16. WEST OF FRIANT.
Detailed Location: 3 SITES: NE OF AVE 16 & ROAD 37, NW OF AVE 16 & ROAD 37, & 1.6 TO 2.6 MILES SW OF HWY 145 & ROAD 38.
Ecological: 2009 AERIAL PHOTO SHOWS THAT THIS AREA HAS UNDERGONE SIGNIFICANT DEVELOPMENT. THERE IS STILL HABITAT IN SURROUNDING AREAS.
General: L. DUNN FIELD NOTES #2 & 3 FROM 13 FEB 74 & NOTE #12 FROM 2 APRIL 1974.
Owner/Manager: UNKNOWN

Occurrence No.	76	Map Index:	37893	EO Index:	32900	Element Last Seen:	1973-03-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1973-03-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-06-17	

Quad Summary: Friant (3611986)
County Summary: Fresno

Lat/Long:	36.98483 / -119.66352	Accuracy:	3/5 mile
UTM:	Zone-11 N4096505 E262939	Elevation (ft):	680
PLSS:	T11S, R21E, Sec. 10 (M)	Acres:	0.0

Location: ALONG MILLERTON ROAD, SOUTH OF MILLERTON LAKE STATE RECREATION AREA, EAST OF FRIANT.
Detailed Location:
Ecological: 2009 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL NATURAL HABITAT WITH MINIMAL DISTURBANCES.
General: J. BRODE FIELD NOTES #186.
Owner/Manager: UNKNOWN



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Occurrence No.	91	Map Index:	14875	EO Index:	28383	Element Last Seen:	2005-04-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2005-04-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-09

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.95062 / -119.69310 **Accuracy:** specific area

UTM: Zone-11 N4092784 E260198 **Elevation (ft):** 475

PLSS: T11S, R21E, Sec. 29 (M) **Acres:** 5.0

Location: POOL ON EAST SIDE OF FRIANT-KERN CANAL AT MILEPOST 003.73, 1 AIR MILE NW OF THE CANAL/AUBERRY RD X-ING, SE OF FRIANT.

Detailed Location: 1974 OBS DESCRIBED AS "VERNAL POND ABOUT 0.12 ACRE & 3-4 FT DEEP, APPROX 2.5 MI SSW OF FRIANT, ON E SIDE OF FRIANT-KERN CANAL" (DUNN POND #5). REMAPPED TO 2005 ESRP COORDINATES (SITE ID FKC-L-003.73.1) WHICH IS SIMILAR TO DUNN'S MAP.

Ecological: CATTLE PRESENT (1974). HABITAT DESCRIBED AS A TURBID VERNAL POOL WITH CATTLE DISTURBANCE (2005).

General: LARVAE OBSERVED AS PRESENT ON 1 MAY 1974. AT LEAST ONE OBSERVED ON 21 APR 2005 BY J. KOKX.

Owner/Manager: USBOR, PVT

Occurrence No.	93	Map Index:	14918	EO Index:	28376	Element Last Seen:	1974-05-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1974-05-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2009-06-17

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.96216 / -119.66070 **Accuracy:** 1 mile

UTM: Zone-11 N4093983 E263120 **Elevation (ft):** 600

PLSS: T11S, R21E, Sec. 22 (M) **Acres:** 0.0

Location: 3.4 ROAD MILES ON DIRT ROAD OFF MILLERTON RD, 3 AIR MILES SE OF FRIANT.

Detailed Location:

Ecological: VERNAL POOL. 2009 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL PRIMARILY NATURAL HABITAT WITH MINIMAL DISTURBANCES.

General: L. DUNN FIELD NOTES #13.

Owner/Manager: UNKNOWN



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Occurrence No.	94	Map Index:	14592	EO Index:	28380	Element Last Seen:	1995-04-04
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1995-04-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-01-20	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96855 / -119.84268 **Accuracy:** nonspecific area

UTM: Zone-11 N4095160 E246936 **Elevation (ft):** 375

PLSS: T11S, R19E, Sec. 13 (M) **Acres:** 127.6

Location: 2-3 MI W OF HWY 41 ON THE N SIDE OF AVE 15, W OF LITTLE TABLE MOUNTAIN.

Detailed Location: 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 DESCRIBED AS CLAYPAN VERNAL POOLS & SWALES IN NON-NATIVE GRASSLAND. OTHER TAXA PRESENT INCLUDE SCAPHIOPUS HAMMONDII, BUFO BOREAS, HYLA REGILLA, BRANCHINECTA LYNCHI, & LINDERIELLA OCCIDENTALIS.

General: UNKNOWN NUMBER OBSERVED ON 2 APR 1974, 3 MI W OF HWY 41 (L. DUNN FIELD NOTES #11). UNKNOWN NUMBER OBSERVED DURING SPRING OF 1993. 4 LARVAE OBS IN ONE POOL & 3 IN ANOTHER POOL 0.4 MI W OF RD 39-1/2 ON 4 APR 1995.

Owner/Manager: PVT

Occurrence No.	124	Map Index:	32551	EO Index:	1755	Element Last Seen:	1992-XX-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		1992-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-05-29	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91077 / -119.73529 **Accuracy:** specific area

UTM: Zone-11 N4088468 E256314 **Elevation (ft):** 375

PLSS: T12S, R20E, Sec. 01 (M) **Acres:** 5.6

Location: 1.2 KM SOUTH OF WILLOW AVENUE X FRIANT ROAD; 10 KM SSW OF FRIANT.

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

Ecological: 1992: HABITAT IS LARGER POOL IN NORTHERN AREA OF SITE (~ 1 ACRE) IN NON-NATIVE GRASSLAND. ROLLING HILL TOPOGRAPHY. DEGRADED BY CONSTRUCTION OF RESIDENTIAL ROAD. 2009 AERIAL PHOTO SHOWS SITE DEVELOPED BY GOLF COURSE & RURAL RESIDENTIAL.

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

Owner/Manager: PVT



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Occurrence No.	125	Map Index:	22172	EO Index:	18452	Element Last Seen:	1992-XX-XX
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1992-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1993-02-18	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.98955 / -119.69674 **Accuracy:** 80 meters

UTM: Zone-11 N4097113 E259997 **Elevation (ft):** 580

PLSS: T11S, R21E, Sec. 08 (M) **Acres:** 0.0

Location: ON THE SOUTH SIDE OF MILLERTON ROAD, 0.75 MILE EAST OF FRIANT.

Detailed Location:

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

General: "MANY" OBSERVED.

Owner/Manager: PVT

Occurrence No.	126	Map Index:	22173	EO Index:	27243	Element Last Seen:	2008-03-13
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-03-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-03	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.98523 / -119.68572 **Accuracy:** 1/5 mile

UTM: Zone-11 N4096605 E260964 **Elevation (ft):** 575

PLSS: T11S, R21E, Sec. 09 (M) **Acres:** 0.0

Location: ON THE SOUTH SIDE OF MILLERTON ROAD, 1.25 MILES EAST OF FRIANT.

Detailed Location:

Ecological: HABITAT CONSISTS OF 3 VERNAL POOLS SURROUNDED BY NON-NATIVE GRASSLAND HABITAT (1992). ON 13 MAR 2008, VERNAL POOL W/CTS HAD AN AVERAGE DEPTH OF 2 INCHES. VISIBLE DISTURBANCE CONSISTED OF A DIRT ROAD RUNNING E-W THROUGH VERNAL POOL/SWALE.

General: IN 1992, "MANY" OBSERVED. 30 LARVAE & 5 EGGS OBSERVED IN ONE VERNAL POOL WITHIN VERNAL POOL/SWALE COMPLEX ON 13 MAR 2008. POOL WAS DRY ON 19 MAR 2008

Owner/Manager: DPR-MILLERTON LAKE SRA



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Occurrence No.	127	Map Index:	22171	EO Index:	18450	Element Last Seen:	2008-03-12
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2008-03-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-11	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97664 / -119.71324 **Accuracy:** specific area

UTM: Zone-11 N4095722 E258487 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 18 (M) **Acres:** 708.9

Location: BELOW FRIANT DAM. EAST OF FRIANT ROAD AND WEST OF THE FRIANT-KERN CANAL, SOUTH OF FRIANT.

Detailed Location:

Ecological: SALAMANDERS FOUND IN AN EXTENSIVE VERNAL POOL HABITAT IN GRASSLAND. SPADEFOOT TOADS ALSO VERY COMMON. WESTERN TOAD LARVAE & LINDERIELLA OCCIDENTALIS ALSO OBSERVED.

General: MVZ 164875 COLL 25 MAR 1973 FROM THIS AREA. 5 APR 1992: ~100 ADULTS & 500 JUV OBS IN 7 POOLS. 20+ LARVAE OBS 19 MAR 1993 & A 3" LONG ADULT OBS 30 MAR 1993, IN ONE OF LARGEST POOLS IN COMPLEX. 10 LARVAE OBS IN LARGE VERNAL POOL 12 MAR 2008.

Owner/Manager: PVT-FRIANT RANCH LLC

Occurrence No.	135	Map Index:	24097	EO Index:	18715	Element Last Seen:	1993-03-17
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1993-03-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1993-09-08	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.95557 / -119.71450 **Accuracy:** specific area

UTM: Zone-11 N4093387 E258308 **Elevation (ft):** 440

PLSS: T11S, R21E, Sec. 19 (M) **Acres:** 32.7

Location: 1 MILE ESE OF LOST LAKE, 2 MILES SOUTH OF FRIANT.

Detailed Location:

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

General: 5 JUVENILES OBSERVED IN 1993.

Owner/Manager: UNKNOWN



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Occurrence No.	163	Map Index:	24430	EO Index:	6581	Element Last Seen:	2004-03-17
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2004-03-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-03	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96414 / -119.76555 **Accuracy:** specific area

UTM: Zone-11 N4094469 E253789 **Elevation (ft):** 439

PLSS: T11S, R20E, Sec. 23 (M) **Acres:** 8.0

Location: ALONG MADERA CANAL, 0.3 MILE N OF RD 204, ALONG SOUTH END OF LITTLE TABLE MOUNTAIN, ABOUT 3.1 MILES SW OF THE FRIANT PO.

Detailed Location: 2004: MAPPED TO PROVIDED COORDINATES; SITE NAME MAC-R-005.66.1 AT CANAL MILEPOST 005.66.

Ecological: HABITAT IN 2004 DESCRIBED AS A CLEAR VERNAL POOL AT CANAL ROAD EDGE (DAMMED BY ROAD); DRAINS INTO CULVERT WHEN FULL; EMERGENT VEG INCL JUNCUS SP. & ERYNGIUM SP.; WATER CLEAR-BRACKISH & DEEP; GOOD FOR CTS.

General: 1993: ONE JUVENILE OBSERVED; SITE QUALITY DIMINISHED BY CONCRETE BLOCKS PILED ALONG THE BANK. 2004: DATA NOT CLEAR AS TO WHEN OR HOW MANY WERE PRESENT, BUT ASSUME AT LEAST ONE WAS OBSERVED ON 17 MAR 2004 BY J. KOKX.

Owner/Manager: USBOR

Occurrence No.	164	Map Index:	24601	EO Index:	6394	Element Last Seen:	1993-03-24
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1993-03-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1993-09-16	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.99778 / -119.80560 **Accuracy:** 80 meters

UTM: Zone-11 N4098306 E250333 **Elevation (ft):** 420

PLSS: T11S, R20E, Sec. 05 (M) **Acres:** 0.0

Location: ALONG MADERA CANAL, 0.6 MILE WEST OF HWY 41 AND 2.2 MILES NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location:

Ecological:

General: ONE JUVENILE OBSERVED IN 1993.

Owner/Manager: USBOR



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Occurrence No.	222	Map Index: 25584	EO Index: 5486	Element Last Seen:	1991-04-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-04-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2012-01-20

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.98806 / -119.75621 **Accuracy:** 1/5 mile

UTM: Zone-11 N4097099 E254698 **Elevation (ft):** 440

PLSS: T11S, R20E, Sec. 11 (M) **Acres:** 0.0

Location: WEST SIDE OF ROAD 204, 0.7 MILE SOUTH OF HWY 145, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN.

Detailed Location: 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 DURING SPRING 1969. CTS PRESENT ON 15 APR 1991; NUMBER AND LIFESTAGE UNKNOWN.

Owner/Manager: PVT

Occurrence No.	223	Map Index: 24599	EO Index: 5487	Element Last Seen:	2005-03-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-03-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2012-01-20

Quad Summary: Friant (3611986), Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.97667 / -119.75240 **Accuracy:** specific area

UTM: Zone-11 N4095826 E255000 **Elevation (ft):** 435

PLSS: T11S, R20E, Sec. 14 (M) **Acres:** 18.0

Location: IN THE AREA OF MADERA CANAL & ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE SIDE OF LITTLE TABLE MOUNTAIN.

Detailed Location: JUST EAST OF ROAD 204 IN 1991; SHAFFER SITE #111; LOCATED ON THE URRUTINA RANCH. IN 2005, ABOUT 0.1 MILES EAST OF RD 204 ON N SIDE OF CANAL, MILE POST 4.06 ; POOL ID MAC-R-004.06.1.

Ecological: HABITAT CONSISTED OF AN ARTIFICIAL POND (1991). 2005: TEA-COLORED VERNAL POOL.

General: VERY GENERAL RECORD OF LARVA OBS BY DUNN IN VERNAL POOL ABOUT 3 MILES W OF FRIANT DURING SPRING 1969. CTS PRESENT ON 15 APR 1991. LARVAL EGG MASSES PRESENT ON 3 MAR 2005.

Owner/Manager: USBOR, PVT



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Occurrence No.	322	Map Index:	33076	EO Index:	19891	Element Last Seen:	1994-03-30
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1994-03-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-09-10	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long:	36.96660 / -119.63658	Accuracy:	specific area
UTM:	Zone-11 N4094416 E265281	Elevation (ft):	660
PLSS:	T11S, R21E, Sec. 13 (M)	Acres:	9.7

Location: NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILES WEST OF MILLERTON ROAD JUNCTION, APPROXIMATELY 4.5 MILES ESE OF FRIANT.

Detailed Location: 2 VERNAL POOLS NEAR ROAD AND OLD RAILROAD GRADE

Ecological: VERNAL POOLS IN BLUE OAK WOODLAND, AUGMENTED BY RUNOFF FROM ROAD AND RAILROAD GRADE.

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.	583	Map Index:	46277	EO Index:	46277	Element Last Seen:	1936-05-16
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1936-05-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2002-08-20	

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)

County Summary: Fresno

Lat/Long:	36.77388 / -119.77951	Accuracy:	5 miles
UTM:	Zone-11 N4073392 E251931	Elevation (ft):	300
PLSS:	T13S, R20E, Sec. 27 (M)	Acres:	0.0

Location: FRESNO.

Detailed Location:

Ecological:

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



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Occurrence No.	613	Map Index: 46427	EO Index: 46427	Element Last Seen: 1974-05-03
Occ. Rank:	None		Presence: Extirpated	Site Last Seen: 1974-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2001-11-07

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long: 36.85063 / -119.68563 **Accuracy:** 1 mile

UTM: Zone-11 N4081669 E260551 **Elevation (ft):** 380

PLSS: T12S, R21E, Sec. 33 (M) **Acres:** 0.0

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

Detailed Location:

Ecological: VERNAL POOL.

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

Owner/Manager: UNKNOWN

Occurrence No.	624	Map Index: 46539	EO Index: 46539	Element Last Seen: 1984-03-13
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1984-03-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2009-05-21

Quad Summary: Friant (3611986), Millerton Lake West (3711916)

County Summary: Madera

Lat/Long: 36.99674 / -119.73696 **Accuracy:** 2/5 mile

UTM: Zone-11 N4098012 E256439 **Elevation (ft):** 460

PLSS: T11S, R20E, Sec. 01 (M) **Acres:** 0.0

Location: NORTHWEST OF MADERA CANAL, EAST OF ROAD 204, VICINITY OF JUNCTION OF ROAD 205 AND 206.

Detailed Location: 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.

Ecological: 2007 & 2009 AERIAL PHOTOS SHOW THAT THE SITE OF THIS OCCURRENCE HAS BEEN CONVERTED TO AGRICULTURE. THERE IS STILL HABITAT TO THE NORTH, ON THE NORTH SIDE OF ROAD 205.

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



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Occurrence No.	626	Map Index: 46543	EO Index: 46543	Element Last Seen:	2005-02-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-02-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-09-04

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.96183 / -119.68887 **Accuracy:** 80 meters

UTM: Zone-11 N4094017 E260610 **Elevation (ft):** 475

PLSS: T11S, R21E, Sec. 21 (M) **Acres:** 0.0

Location: POOL ON EAST SIDE OF FRIANT-KERN CANAL AT MILEPOST 2.83, 1.4 AIR MILES NNW OF THE CANAL/AUBERRY RD INTERSECTION, FRIANT.

Detailed Location: ORIGINALLY MAPPED TO 1974 DESCRIPTION OF "VERNAL POOL ON EAST SIDE OF FRIANT-KERN CANAL, 2 MILES NW AUBERRY RD, 475FT ELEV" AS A 600M RADIUS CIRCLE. RE-MAPPED TO 2005 ESRP COORDINATES, SITE NAME FKC-L-002.83.1.

Ecological: HABITAT DESCRIBED AS A TEA-COLORED VERNAL POOL (2005).

General: UNKNOWN NUMBER OBSERVED ON 1-3 MAY 1974, & LATER CONSIDERED EXTIRPATED BY M. JENNINGS & M. HAYES (1992). AT LEAST ONE CTS LARVAE OBSERVED (2CM LONG) ON 23 FEB 2005 BY F. VANG, & CONSIDERED EXTREMELY SMALL.

Owner/Manager: USBOR, PVT

Occurrence No.	656	Map Index: 47430	EO Index: 47430	Element Last Seen:	2002-02-23
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-03-14

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.92358 / -119.71469 **Accuracy:** specific area

UTM: Zone-11 N4089837 E258190 **Elevation (ft):** 330

PLSS: T12S, R21E, Sec. 06 (M) **Acres:** 13.1

Location: SOUTH OF LITTLE DRY CREEK AND WEST OF AUBERRY ROAD, 4.5 MILES SOUTH OF FRIANT

Detailed Location: 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.

General: DOZENS OF JUVENILES OBSERVED ON 10 FEB 2002; COLLECTION MADE AND DEPOSITED AT CAS.

Owner/Manager: PVT



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Occurrence No.	708	Map Index: 49019	EO Index: 49019	Element Last Seen:	2002-02-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-02-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-15
Quad Summary:	Friant (3611986)				
County Summary:	Fresno				
Lat/Long:	36.92790 / -119.71173		Accuracy:	80 meters	
UTM:	Zone-11 N4090309 E258467		Elevation (ft):	330	
PLSS:	T11S, R21E, Sec. 31 (M)		Acres:	0.0	
Location:	0.3 MILES WEST OF AUBERRY ROAD, SOUTH OF LITTLE DRY CREEK, 4 MILES SOUTH OF FRIANT				
Detailed Location:	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.				
General:	DOZENS OF LARVAE COLLECTED ON 8 FEB 2002, THEN DEPOSITED AT CAS (MRJ #1539).				
Owner/Manager:	PVT				
Occurrence No.	732	Map Index: 41666	EO Index: 51282	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.94479 / -119.76380		Accuracy:	80 meters	
UTM:	Zone-11 N4092317 E253883		Elevation (ft):	390	
PLSS:	T11S, R20E, Sec. 26 (M)		Acres:	0.0	
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				
Detailed Location:	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.				
General:	LARVAL CTS OBSERVED IN FEB 2001.				
Owner/Manager:	PVT				
Occurrence No.	733	Map Index: 51283	EO Index: 51283	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.93709 / -119.78719		Accuracy:	80 meters	
UTM:	Zone-11 N4091523 E251774		Elevation (ft):	400	
PLSS:	T11S, R20E, Sec. 33 (M)		Acres:	0.0	
Location:	0.4 MILE EAST OF HIGHWAY 41 AND 0.9 MILE NORTH OF AVENUE 12, 14 MILES EAST OF MADERA				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A VERNAL POOL IN CURRENTLY-GRAZED NON-NATIVE GRASSLAND; SURROUNDING LAND USE IS AGRICULTURE AND COMMERCIAL/URBAN.				
General:	LARVAL CTS OBSERVED IN FEB 2001.				
Owner/Manager:	PVT				



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Occurrence No.	734	Map Index: 45182	EO Index: 51285	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.90552 / -119.78512 **Accuracy:** 80 meters

UTM: Zone-11 N4088015 E251857 **Elevation (ft):** 350

PLSS: T12S, R20E, Sec. 09 (M) **Acres:** 0.0

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

Detailed Location:

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.

General: LARVAL CTS OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Occurrence No.	735	Map Index: 51287	EO Index: 51287	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.92715 / -119.77153 **Accuracy:** 80 meters

UTM: Zone-11 N4090379 E253138 **Elevation (ft):** 350

PLSS: T11S, R20E, Sec. 34 (M) **Acres:** 0.0

Location: 1.3 MILES EAST OF HIGHWAY 41 AND 0.2 MILE NE OF AVENUE 12 "CURVE," 15 MILES EAST OF MADERA

Detailed Location:

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.

General: LARVAL CTS OBSERVED DURING FEB 2001.

Owner/Manager: PVT



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Occurrence No.	888	Map Index: 66458	EO Index: 66562	Element Last Seen:	2006-02-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-02-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-20

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long: 36.87369 / -119.67091 **Accuracy:** 80 meters

UTM: Zone-11 N4084192 E261935 **Elevation (ft):** 400

PLSS: T12S, R21E, Sec. 22 (M) **Acres:** 0.0

Location: NORTH SIDE OF A CONSTRUCTED FLOOD CONTROL CHANNEL, 0.25 MILE DOWNSTREAM OF BIG CREEK DAM, 3.5 MILES NE OF CLOVIS.

Detailed Location: THE SWALE THAT CONTAINED THE LARVAE WAS IMMEDIATELY ADJACENT TO A CHANNEL THAT FRESNO METROPOLITAN FLOOD CONTROL DISTRICT CONSTRUCTED AND USES TO RELEASE WATER DOWNSTREAM. SURROUNDING AREA CONTAINS SEASONAL WETLANDS AND VERNAL POOLS.

Ecological: HABITAT CONSISTS OF A SWALE CONTAINING ~3" OF WATER; SWALE APPEARS TO BE PART OF THE ORIGINAL CREEK MEANDER THAT WAS CUT OFF WHEN BIG CREEK DAM WAS CONSTRUCTED IN 1948. THE ADJACENT FLOOD CONTROL CHANNEL CONTAINS FISH AND BULLFROGS.

General: 2 CTS LARVAE OBSERVED ON 26 FEB 2006.

Owner/Manager: UNKNOWN

Occurrence No.	911	Map Index: 68133	EO Index: 68277	Element Last Seen:	2006-02-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2006-02-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91406 / -119.70718 **Accuracy:** 80 meters

UTM: Zone-11 N4088763 E258828 **Elevation (ft):** 410

PLSS: T12S, R21E, Sec. 05 (M) **Acres:** 0.0

Location: ABOUT 5MI SOUTH OF FRIANT, 1.3MI NNE OF INTERSECTION OF COPPER AVE AND AUBERRY RD.

Detailed Location:

Ecological: VERNAL POOL LOCATED IN MIDDLE OF A DRY FARMED FIELD.

General: 5 LARVAE OBSERVED ON 22 FEB 2006.

Owner/Manager: PVT



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Occurrence No.	1027	Map Index:	72280	EO Index:	73096	Element Last Seen:	2004-03-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2004-03-11
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.89482 / -119.63740 **Accuracy:** specific area

UTM: Zone-11 N4086453 E264987 **Elevation (ft):** 465

PLSS: T12S, R21E, Sec. 13 (M) **Acres:** 9.0

Location: FRIANT-KERN CANAL @ MILEPOSTS 010.17, 010.24 (E OF BRIDGE), 2.4MI S OF OWENS MT, 1.1MI NE OF N DEWOLF AVE @ BEHYMER AVE.

Detailed Location: SERIES OF TWO POOLS; WEST POOL ON SOUTH SIDE OF CANAL (POOL IDS FKC-R-010.17.1) AND EAST POOL ON NORTH SIDE OF CANAL (ID FKC-L-010.24.1). MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE.

Ecological: WEST POOL: CLEAR POOL W/ JUNCUS SP, & GRASSES IN SURROUNDING AREA. EAST POOL: TEA COLORED & VERY DEEP (2005); AND VERY CLEAR, LONG & NARROW VERNAL POOL WITH LOTS OF EMERGENT VEG (2004).

General: 2 SMALL LARVAE (1-2 DAYS OLD) WERE IDENTIFIED IN VERNAL POOL SAMPLES FROM EAST POOL FROM 11 MAR 2004 BY J. KOKX.

Owner/Manager: USBOR, PVT

Spea hammondii

Element Code: AAABF02020

western spadefoot

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3

State: None **State:** S3

Other: BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_NT-Near Threatened

Habitat: **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	Element Last Seen:	1992-03-19
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			1992-03-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1993-01-04

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.91559 / -119.78953 **Accuracy:** 1/5 mile

UTM: Zone-11 N4089143 E251497 **Elevation (ft):** 350

PLSS: T12S, R20E, Sec. 04 (M) **Acres:** 0.0

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.

Detailed Location: 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.

General: AN UNESTIMATED NUMBER OF TADPOLES OBSERVED.

Owner/Manager: PVT



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Occurrence No.	27	Map Index: 22171	EO Index: 20000	Element Last Seen: 1992-04-05
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1992-04-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-03-30

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97664 / -119.71324 **Accuracy:** specific area

UTM: Zone-11 N4095722 E258487 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 18 (M) **Acres:** 708.9

Location: EAST OF FRIANT ROAD AND WEST OF THE FRIANT-KERN CANAL, SOUTH OF FRIANT.

Detailed Location:

Ecological: SPADEFOOT TOADS FOUND IN AN EXTENSIVE VERNAL POOL HABITAT IN GRASSLAND.

General: TIGER SALAMANDERS ALSO VERY COMMON IN THE AREA.

Owner/Manager: PVT-FRIANT RANCH LLC

Occurrence No.	28	Map Index: 23081	EO Index: 20430	Element Last Seen: 1992-XX-XX
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-06-03

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.98360 / -119.69843 **Accuracy:** nonspecific area

UTM: Zone-11 N4096457 E259827 **Elevation (ft):** 500

PLSS: T11S, R21E, Sec. 08 (M) **Acres:** 120.6

Location: EAST OF FRIANT-KERN CANAL, SW OF MILLERTON LAKE STATE RECREATION AREA.

Detailed Location: 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.

General: MANY ADULTS AND JUVENILES OBSERVED DURING 1992 VISIT TO THIS SITE.

Owner/Manager: PVT

Occurrence No.	29	Map Index: 32551	EO Index: 1756	Element Last Seen: 1992-XX-XX
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2009-06-17

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91077 / -119.73529 **Accuracy:** specific area

UTM: Zone-11 N4088468 E256314 **Elevation (ft):** 360

PLSS: T12S, R20E, Sec. 01 (M) **Acres:** 5.6

Location: 1.2 KM SOUTH OF THE INTERSECTION OF FRIANT ROAD AND WILLOW AVENUE, 10 KM SSW OF FRIANT.

Detailed Location: 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. 2009 AERIAL PHOTO SHOWS SITE DEVELOPED BY GOLF COURSE & RURAL RESIDENTIAL.

General: OBSERVATION; NUMBER AND LIFE STAGE UNKNOWN; AMBYSTOMA CALIFORNIENSE AND BRANCHINECTA LYNCHI ALSO PRESENT.

Owner/Manager: PVT



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Occurrence No.	103	Map Index:	33337	EO Index:	517	Element Last Seen:	1995-04-03
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-11-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2002-01-02	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91139 / -119.71441 **Accuracy:** 80 meters

UTM: Zone-11 N4088484 E258177 **Elevation (ft):** 405

PLSS: T12S, R21E, Sec. 06 (M) **Acres:** 0.0

Location: 1 MILE NORTH OF COPPER AVENUE, ON THE EAST SIDE OF AUBERRY ROAD, 5.5 MILES SOUTH OF FRIANT.

Detailed Location: LOCATED IN A VERNAL POOL IMMEDIATELY ADJACENT TO THE ROAD.

Ecological: HABITAT CONSISTS OF A VERNAL POOL IN NON-NATIVE GRASSLAND. RANA CATESBIANA AND HYLA REGILLA ALSO PRESENT.

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.	104	Map Index:	33338	EO Index:	23154	Element Last Seen:	1995-03-28
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1995-03-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-06-07	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96913 / -119.82762 **Accuracy:** 80 meters

UTM: Zone-11 N4095185 E248279 **Elevation (ft):** 370

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 0.0

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.

Detailed Location: 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, LINDERIELLA OCCIDENTALIS, AND BRANCHINECTA LYNCHI ALSO PRESENT.

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



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Occurrence No.	105	Map Index:	14592	EO Index:	27678	Element Last Seen:	1995-03-28
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			1995-03-28
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1998-08-06

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96855 / -119.84268 **Accuracy:** nonspecific area

UTM: Zone-11 N4095160 E246936 **Elevation (ft):** 380

PLSS: T11S, R19E, Sec. 13 (M) **Acres:** 127.6

Location: 0.4 MILE WEST OF ROAD 39-1/2, JUST NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location: 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 AMBYSTOMA CALIFORNIENSE, BUFO BOREAS, HYLAS REGILLA BRANCHI LYNCHI & LINDERIELLA OCCIDENTALIS.

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	Element Last Seen:	2000-04-04
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			2000-04-04
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2006-12-27

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94525 / -119.79368 **Accuracy:** nonspecific area

UTM: Zone-11 N4092446 E251223 **Elevation (ft):** 400

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 82.0

Location: ALONG STATE HIGHWAY 41, FROM 1.2 MILES NORTH OF AVENUE 12 TO JUST SOUTH OF THE MADERA CANA, 7 MILES NORTH OF PINEDALE.

Detailed Location: 1992: WEST OF STATE HIGHWAY 41. 1995: APPROXIMATELY 30 YARDS EAST OF MADERA COUNTY MILEPOST 5.0 ALONG STATE HIGHWAY 41; SOUTH OF MILEPOST 5.0 APPROXIMATELY 200 YARDS.

Ecological: HABITAT CONSISTS OF A SWALE-LIKE VERNAL POOL; DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, AND PLAGIOBOTHRYUS STIPITATUS, ORCUTTIA INAEQUALIS, AND CASTILLEJA CAMPESTRIS SUCCULENTA; SURROUNDED BY GRAZED GRASSLAND.

General: TADPOLES OBSERVED IN 3 POOLS ON 12 MARCH 1992. 100'S OF LARVAE OBSERVED ON 28 MARCH AND 4 APRIL 1995.. 4 JUVENILES OBSERVED ON 4 APRIL 2000.

Owner/Manager: CALTRANS



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Occurrence No.	118	Map Index:	33076	EO Index:	7317	Element Last Seen:	1994-03-29
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1994-03-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-07-26	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.96660 / -119.63658 **Accuracy:** specific area

UTM: Zone-11 N4094416 E265281 **Elevation (ft):** 660

PLSS: T11S, R21E, Sec. 13 (M) **Acres:** 9.7

Location: NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILES WEST OF MILLERTON ROAD JUNCTION, APPROXIMATELY 4.5 MILES ESE OF FRIANT.

Detailed Location: 2 VERNAL POOLS NEAR ROAD AND OLD RAILROAD GRADE.

Ecological: VERNAL POOLS IN BLUE OAK WOODLAND, AUGMENTED BY RUNOFF FROM ROAD AND RAILROAD GRADE.

General: SPADEFOOT TOAD TADPOLES OBSERVED 3/29/94. TIGER SALAMANDER TADPOLES ALSO OBSERVED. NEED EASEMENT TO PROTECT THIS SITE.

Owner/Manager: PVT

Occurrence No.	161	Map Index:	39295	EO Index:	34297	Element Last Seen:	1995-03-03
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1995-03-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-04	

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.86791 / -119.78589 **Accuracy:** 80 meters

UTM: Zone-11 N4083843 E251666 **Elevation (ft):** 355

PLSS: T12S, R20E, Sec. 21 (M) **Acres:** 0.0

Location: BETWEEN BLACKSTONE ROAD AND FRIANT (RICE) ROAD, WOODWARD PARK.

Detailed Location: SITE CONSISTS OF AN OVERFLOW POOL ADJACENT TO THE ROAD.

Ecological: HABITAT SURROUNDING OVERFLOW POOL CONSISTS OF NON-NATIVE GRASSLAND; POOL SHADED BY TREES.

General: HUNDREDS OF TADPOLES OBSERVED ON 3 MARCH 1995; ONE TADPOLE CAPTURED AND RAISED TO MATURITY.

Owner/Manager: UNKNOWN

Occurrence No.	196	Map Index:	45181	EO Index:	45181	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-02-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-04-11	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94405 / -119.76259 **Accuracy:** 80 meters

UTM: Zone-11 N4092232 E253989 **Elevation (ft):** 320

PLSS: T11S, R20E, Sec. 26 (M) **Acres:** 0.0

Location: 2 MILES SE OF THE INTERSECTION OF ROAD 204 AND HIGHWAY 41, WEST OF FRIANT

Detailed Location:

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.

General: UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.

Owner/Manager: PVT



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Occurrence No.	197	Map Index: 45182	EO Index: 45182	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.90552 / -119.78512		Accuracy:	80 meters	
UTM:	Zone-11 N4088015 E251857		Elevation (ft):	350	
PLSS:	T12S, R20E, Sec. 09 (M)		Acres:	0.0	
Location:	0.4 MILE EAST OF HIGHWAY 41 AND 0.3 MILE SOUTH OF AVENUE 11, 4.5 MILES NORTH OF PINEDALE				
Detailed Location:					
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.				
General:	UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.				
Owner/Manager:	PVT				
Occurrence No.	198	Map Index: 45183	EO Index: 45183	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.95126 / -119.77616		Accuracy:	80 meters	
UTM:	Zone-11 N4093067 E252803		Elevation (ft):	420	
PLSS:	T11S, R20E, Sec. 27 (M)		Acres:	0.0	
Location:	0.9 MILE EAST OF HIGHWAY 41 AND 0.5 MILE SOUTH OF ROAD 204, 7 MILES NORTH OF PINEDALE				
Detailed Location:					
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.				
General:	UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.				
Owner/Manager:	PVT				
Occurrence No.	199	Map Index: 67495	EO Index: 45184	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-12-22
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.93610 / -119.78924		Accuracy:	specific area	
UTM:	Zone-11 N4091419 E251589		Elevation (ft):	390	
PLSS:	T11S, R20E, Sec. 33 (M)		Acres:	55.0	
Location:	0.3 MILE EAST OF HIGHWAY 41 AND 0.8 MILE NORTH OF AVENUE 12, 6 MILES NORTH OF PINEDALE.				
Detailed Location:	POOLS ARE LOCATED ALONG UNNAMED STREAM AND TO THE NORTH OF THE STREAM. 1992 SURVEY POOL NUMBERS: 41, 43, 44, 47, 49, 50, 67, 68.				
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.				
General:	TADPOLES OBSERVED IN 8 POOLS ON 19 MARCH 1992. UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001.				
Owner/Manager:	PVT				



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Occurrence No.	241	Map Index: 49020	EO Index: 49020	Element Last Seen:	2002-03-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-03-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.92934 / -119.71063 **Accuracy:** 80 meters

UTM: Zone-11 N4090466 E258570 **Elevation (ft):** 410

PLSS: T11S, R21E, Sec. 31 (M) **Acres:** 0.0

Location: 0.1 MILE WEST OF AUBERRY ROAD, SOUTH OF LITTLE DRY CREEK, 7 MILES SOUTH OF FRIANT

Detailed Location: 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.	248	Map Index: 25584	EO Index: 49452	Element Last Seen:	1991-04-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-04-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-11-21

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.98806 / -119.75621 **Accuracy:** 1/5 mile

UTM: Zone-11 N4097099 E254698 **Elevation (ft):** 440

PLSS: T11S, R20E, Sec. 11 (M) **Acres:** 0.0

Location: WEST SIDE OF ROAD 204, 0.7 MILE SOUTH OF HIGHWAY 145, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN

Detailed Location: 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



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Occurrence No.	249	Map Index: 24599	EO Index: 49453	Element Last Seen:	2005-03-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-03-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-09-03

Quad Summary: Friant (3611986), Lanes Bridge (3611987)

County Summary: Madera

Lat/Long:	36.97667 / -119.75240	Accuracy:	specific area
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UTM:	Zone-11 N4095826 E255000	Elevation (ft):	435
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PLSS:	T11S, R20E, Sec. 14 (M)	Acres:	18.0
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Location: ALONG MADERA CANAL, JUST EAST OF ROAD 204, 1.5 MILES SOUTH OF HWY 145, ON THE SE EDGE OF LITTLE TABLE MOUNTAIN.

Detailed Location: 1991: SHAFFER SITE #111; LOCATED ON THE URRUTINA RANCH. 2005: AT MILE POSTS 004.06 & 004.20; SITE NAMES MAC-R-004.06.1 & MAC-L-004.20.1 (ESRP).

Ecological: 1991: HABITAT CONSISTS OF AN ARTIFICIAL POND. 2005: POOL AT MILEPOST 004.06 DESCRIBED AS A TEA-COLORED VERNAL POOL.

General: SPADEFOOT TOADS PRESENT ON 15 APR 1991 (UNKNOWN #). AT LEAST 1 OBSERVED AT EACH MILEPOST SITE ON 21 MAR 2005 BY F. VANG & K. GARCIA-TOMLINSON.

Owner/Manager: USBOR, PVT

Occurrence No.	354	Map Index: 67500	EO Index: 67666	Element Last Seen:	1992-03-18
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-03-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-12-22

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long:	36.96699 / -119.78798	Accuracy:	specific area
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UTM:	Zone-11 N4094843 E251801	Elevation (ft):	425
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PLSS:	T11S, R20E, Sec. 21 (M)	Acres:	11.0
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Location: JUST NORTH OF AVENUE 15, APROXIMATELY 0.3 MILES EAST OF STATE ROUTE 41, 8.5 MILES NORTH OF PINEDALE.

Detailed Location: POOL #114. WRITTEN DIRECTIONS GIVEN AS 100 FEET EAST OF STATE ROUTE 41 AND 2000 FEET NORTH OF AVENUE 15, HOWEVER MAP INDICATES POOL AS JUST NORTH OF AVE 15 AND APPROX 2000 FT EAST OF SR 41. LOCATION MAPPED ACCORDING MAP PROVIDED.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOL DOMINATED BY ERYNGIUM VASEYI.

General: UNKNOWN NUMBER OF TADPOLES OBSERVED ON 18 MARCH 1992.

Owner/Manager: PVT



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<i>Coccyzus americanus occidentalis</i>		Element Code: ABNRB02022	
western yellow-billed cuckoo			
Listing Status:	Federal: Candidate	CNDDDB Element Ranks:	Global: G5T3Q
	State: Endangered		State: S1
	Other: BLM_S-Sensitive, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: 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	Element Last Seen:	1902-07-10
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1902-07-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1989-08-10	
Quad Summary:	Sanger (3611965), Malaga (3611966), Round Mountain (3611975), Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.75271 / -119.63986		Accuracy:	1 mile			
UTM:	Zone-11 N4070690 E264333		Elevation (ft):	345			
PLSS:	T13S, R21E, Sec. 36 (M)		Acres:	0.0			
Location:	FANCHER CREEK, 6 MI NE OF FRESNO.						
Detailed Location:							
Ecological:							
General:	REPORTED AS UNCOMMON BUT NESTING BY TYLER (1913).						
Owner/Manager:	PVT						



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<i>Athene cunicularia</i>		Element Code: ABNSB10010	
burrowing owl			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S2
Other:	BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: 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	Element Last Seen:	2000-04-04
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2000-04-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-05-02	

Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94372 / -119.78949		Accuracy:	80 meters			
UTM:	Zone-11 N4092265 E251591		Elevation (ft):	396			
PLSS:	T11S, R20E, Sec. 28 (M)		Acres:	0.0			
Location:	0.25 MILE EAST OF HIGHWAY 41, 1.4 MILES NORTH OF AVENUE 12, 8 MILES NW OF FRIANT						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND INTERSPERSED BY VERNAL POOLS; DOMINATED BY BROMUS SPP, TRIFOLIUM SPP, AVENA FATUA, AND HORDEUM SPP.						
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	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2000-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2003-05-19	

Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.95096 / -119.78377		Accuracy:	80 meters			
UTM:	Zone-11 N4093053 E252125		Elevation (ft):	405			
PLSS:	T11S, R20E, Sec. 27 (M)		Acres:	0.0			
Location:	0.6 MILE EAST OF HIGHWAY 41 AND 0.6 MILE SOUTH OF ROAD 204, 7.5 MILES NORTH OF PINEDALE						
Detailed Location:							
Ecological:							
General:	PAIR OBSERVED IN SPRING 2000.						
Owner/Manager:	PVT						



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Eremophila alpestris actia

Element Code: ABPAT02011

California horned lark

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T3Q
	State: None		State: S3
	Other: DFG_WL-Watch List, IUCN_LC-Least Concern		
Habitat:	General: COASTAL REGIONS, CHIEFLY FROM SONOMA CO. TO SAN DIEGO CO. ALSO MAIN PART OF SAN JOAQUIN VALLEY & EAST TO FOOTHILLS.		
	Micro: SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.		

Occurrence No.	2	Map Index:	34860	EO Index:	12425	Element Last Seen:	1992-04-25
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		1992-04-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-09-06	

Quad Summary: Lanes Bridge (3611987)

County Summary: Fresno, Madera

Lat/Long:	36.89556 / -119.79294	Accuracy:	1 mile
UTM:	Zone-11 N4086930 E251128	Elevation (ft):	370
PLSS:	T12S, R20E, Sec. 09 (M)	Acres:	0.0

Location: NORTH OF LANES BRIDGE ON SAN JOAQUIN RIVER; AT JUNCTION OF AVENUE 10 X HWY 41.

Detailed Location: GUNNER RANCH.

Ecological: FALLOW FIELDS, BARE FIELDS AND DRY FARMED FIELDS. TOTAL ACREAGE APPROX. 600 AC.

General: 30 ADULTS (APPROX. 10-20 PAIRS) OBSERVED IN POSSIBLE NESTING SITE; MALES(?) APPEARED TO BE TERRITORIAL (SINGING AND CHASING OTHER LARKS).

Owner/Manager: PVT



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Agelaius tricolor		Element Code: ABPBXB0020	
tricolored blackbird			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2G3
	State: None		State: S2
Other:	ABC_WLBCC-Watch List of Birds of Conservation Concern, BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General:	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	Element Last Seen:	1975-XX-XX
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1975-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1993-10-06		

Quad Summary: Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.82473 / -119.75553	Accuracy:	1/5 mile
UTM:	Zone-11 N4078973 E254235	Elevation (ft):	330
PLSS:	T13S, R20E, Sec. 02 (M)	Acres:	0.0

Location: NW OF BULLARD AVENUE & CEDAR AVENUE, FRESNO.
Detailed Location: 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



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<i>Mylopharodon conocephalus</i>		Element Code: AFCJB25010	
hardhead			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S3
	Other: DFG_SSC-Species of Special Concern, USFS_S-Sensitive		
Habitat:	General: LOW TO MID-ELEVATION STREAMS IN THE SACRAMENTO-SAN JOAQUIN DRAINAGE. ALSO PRESENT IN THE RUSSIAN RIVER.		
	Micro: CLEAR, DEEP POOLS WITH SAND-GRAVEL-BOULDER BOTTOMS & SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.		
Occurrence No.	12	Map Index: 32387	EO Index: 2311
Occ. Rank:	Unknown	Presence: Presumed Extant	Element Last Seen: 1981-11-XX
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 1981-11-XX
			Record Last Updated: 1995-08-08
Quad Summary:	Lanes Bridge (3611987)		
County Summary:	Fresno, Madera		
Lat/Long:	36.88469 / -119.78572	Accuracy:	nonspecific area
UTM:	Zone-11 N4085704 E251736	Elevation (ft):	255
PLSS:	T12S, R20E, Sec. 16 (M)	Acres:	144.6
Location:	SAN JOAQUIN RIVER; WEST OF FORT WASHINGTON; NORTHEAST OF LANES BRIDGE.		
Detailed Location:			
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.		
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		



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<i>Lasiurus cinereus</i>		Element Code: AMACC05030	
hoary bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4?
	Other: IUCN_LC-Least Concern, WBWG_M-Medium Priority		
Habitat:	General: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.		
	Micro: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.		

Occurrence No.	25	Map Index:	68488	EO Index:	68782	Element Last Seen:	1915-04-03
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1915-04-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-03-15		

Quad Summary: Fresno South (3611967)
County Summary: Fresno

Lat/Long:	36.72100 / -119.85331	Accuracy:	nonspecific area
UTM:	Zone-11 N4067718 E245168	Elevation (ft):	270
PLSS:	T14S, R19E, Sec. 13 (M)	Acres:	31.0

Location: FRESNO, CALIFORNIA AVE NEAR VALENTINE ST.
Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES WITH UNCERTAINTY OF 30M AND LOCATION DESCRIPTION PROVIDED BY MANIS.
Ecological:
General: 1 FEMALE SPECIMEN (MVZ #21439) COLLECTED BY ADREY E. BORELL AND WALTER P. TAYLOR ON 3 APR 1915.
Owner/Manager: UNKNOWN



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<i>Euderma maculatum</i>		Element Code: AMACC07010	
spotted bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S2S3
	Other: BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_LC-Least Concern, WBWG_H-High Priority		
Habitat:	General: OCCUPIES A WIDE VARIETY OF HABITATS FROM ARID DESERTS AND GRASSLANDS THROUGH MIXED CONIFER FORESTS.		
	Micro: FEEDS OVER WATER AND ALONG WASHES. FEEDS ALMOST ENTIRELY ON MOTHS. NEEDS ROCK CREVICES IN CLIFFS OR CAVES FOR ROOSTING.		
Occurrence No.	40	Map Index: 66253	EO Index: 66334
Occ. Rank:	Unknown	Presence:	Presumed Extant
Occ. Type:	Natural/Native occurrence	Trend:	Unknown
Quad Summary:	Friant (3611986), Millerton Lake West (3711916)		
County Summary:	Fresno, Madera		
Lat/Long:	37.00052 / -119.70501	Accuracy:	nonspecific area
UTM:	Zone-11 N4098351 E259295	Elevation (ft):	500
PLSS:	T11S, R21E, Sec. 05 (M)	Acres:	41.0
Location:	FRIANT DAM.		
Detailed Location:	COLLECTED AT SAN JOAQUIN FISH HATCHERY.		
Ecological:	LARGE POOLS AND RUNWAYS. BASALT CLIFFS SUITABLE FOR ROOSTING NEARBY.		
General:	BAT WITH RABIES COLLECTED 1 JUN 1970. MUSEUM SPECIMEN (MUSEUM NOT SPECIFIED) COLLECTED 6 JUN 1970.		
Owner/Manager:	UNKNOWN		



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<i>Antrozous pallidus</i>		Element Code: AMACC10010	
pallid bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
Habitat:	General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.		
	Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.		

Occurrence No.	147	Map Index:	66492	EO Index:	66606	Element Last Seen:	1909-10-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1909-10-06
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2006-10-02

Quad Summary: Fresno South (3611967)
County Summary: Fresno

Lat/Long:	36.74789 / -119.77191	Accuracy:	1/10 mile
UTM:	Zone-11 N4070489 E252526	Elevation (ft):	310
PLSS:	T14S, R20E, Sec. 02 (M)	Acres:	0.0

Location: FRESNO.
Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN BY MANIS, WITH UNCERTAINTY OF 30M. MAPPED LOCATION IS NEAR 1ST STREET AND GRANT AVE IN FRESNO.

Ecological:
General: 1 UNKNOWN SPECIMEN COLLECTED BY W.N. WEAR ON 6 OCT 1909, MVZ #9440.
Owner/Manager: UNKNOWN

<i>Eumops perotis californicus</i>		Element Code: AMACD02011	
western mastiff bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T4
	State: None		State: S3?
	Other: BLM_S-Sensitive, DFG_SSC-Species of Special Concern, WBWG_H-High Priority		
Habitat:	General: MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER & DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL ETC		
	Micro: ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES & TUNNELS.		



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Occurrence No.	46	Map Index: 66289	EO Index: 66373	Element Last Seen: 1991-04-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1991-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2006-11-01

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.75822 / -119.85940 **Accuracy:** 1/5 mile

UTM: Zone-11 N4071865 E244747 **Elevation (ft):** 310

PLSS: T13S, R19E, Sec. 36 (M) **Acres:** 0.0

Location: FRESNO, ABOUT 0.6 MI NNE OF INTERSECTION OF BRAWLEY AVE. AND BELMONT AVE.

Detailed Location: GENERAL LOCATION "FRESNO" AND SPECIFIC LOCATION "1437 KNOLL, FRESNO" INCLUDED HERE.

Ecological:

General: 1 SPECIMEN COLLECTED ON 9 MAR 1905, CAS #6448. 1 FEMALE SPECIMEN COLLECTED BY WILLIAM E. RAINEY ON 17 APR 1991, MVZ #182348.

Owner/Manager: UNKNOWN

Occurrence No.	47	Map Index: 66290	EO Index: 66374	Element Last Seen: 1991-04-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1991-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2006-09-26

Quad Summary: Fresno South (3611967), Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.74878 / -119.78150 **Accuracy:** 1 mile

UTM: Zone-11 N4070613 E251672 **Elevation (ft):**

PLSS: T14S, R20E, Sec. 03 (M) **Acres:** 0.0

Location: FRESNO.

Detailed Location: INCLUDES OBSERVATION FROM "FRESNO, WASHINGTON GRAMMAR SCHOOL."

Ecological:

General: SPECIMENS COLLECTED APR 1895 & 20 NOV 1958 AND DEPOSITED AT CAS. 1 MALE SPECIMEN COLLECTED BY ARDREY E. BORELLI ON 6 OCT 1916 AT "WASHINGTON GRAMMAR SCHOOL," MVZ #35082. SPECIMEN COLLECTED 17 APR 1991 AND DEPOSITED AT MVZ.

Owner/Manager: UNKNOWN

Occurrence No.	73	Map Index: 66317	EO Index: 66403	Element Last Seen: 1958-11-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1958-11-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2006-09-21

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.79386 / -119.81289 **Accuracy:** 80 meters

UTM: Zone-11 N4075697 E249017 **Elevation (ft):** 320

PLSS: T13S, R20E, Sec. 20 (M) **Acres:** 0.0

Location: FRESNO, AT ASHLAND AND THORNE AVENUES.

Detailed Location: BASE OF POWER POLE.

Ecological:

General: 1 MALE SPECIMEN COLLECTED BY R. STOLZ ON 20 NOV 1958, CAS #12237,

Owner/Manager: UNKNOWN



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Occurrence No.	161	Map Index:	66420	EO Index:	66517	Element Last Seen:	1958-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1958-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-09-26	

Quad Summary: Fresno South (3611967)

County Summary: Fresno

Lat/Long: 36.65045 / -119.79075 **Accuracy:** 3/5 mile

UTM: Zone-11 N4059725 E250529 **Elevation (ft):**

PLSS: T15S, R20E, Sec. 04 (M) **Acres:** 0.0

Location: EASTON.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED IN PIERSON & RAINEY.

Ecological:

General: SPECIMENS COLLECTED IN 1968 AND DEPOSITED AT CSUF.

Owner/Manager: UNKNOWN

Perognathus inornatus inornatus

Element Code: AMAFD01061

San Joaquin pocket mouse

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4T2T3

State: None **State:** S2S3

Other: BLM_S-Sensitive

Habitat: **General:** TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS.

Micro: NEEDS FRIABLE SOILS.

Occurrence No.	14	Map Index:	14685	EO Index:	23938	Element Last Seen:	1911-04-07
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1911-04-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-11	

Quad Summary: Fresno North (3611977), Lanes Bridge (3611987)

County Summary: Fresno, Madera

Lat/Long: 36.87661 / -119.79181 **Accuracy:** 1/5 mile

UTM: Zone-11 N4084824 E251167 **Elevation (ft):**

PLSS: T12S, R20E, Sec. 21 (M) **Acres:** 0.0

Location: LANES BRIDGE 10 MILES NORTH OF FRESNO.

Detailed Location:

Ecological:

General: 2 SPECIMENS COLLECTED MVZ #14488 & 14489.

Owner/Manager: UNKNOWN



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Occurrence No.	16	Map Index: 14563	EO Index: 23951	Element Last Seen: 1915-11-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1915-11-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1989-08-10

Quad Summary: Fresno South (3611967), Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.73689 / -119.85793 **Accuracy:** 1 mile

UTM: Zone-11 N4069494 E244808 **Elevation (ft):**

PLSS: T14S, R19E, Sec. 01 (M) **Acres:** 0.0

Location: 4 MI W FRESNO.

Detailed Location:

Ecological:

General: MVZ #21989.

Owner/Manager: UNKNOWN

Occurrence No.	17	Map Index: 14364	EO Index: 7329	Element Last Seen: 1924-04-13
Occ. Rank:	None		Presence: Extirpated	Site Last Seen: 1986-04-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-09-23

Quad Summary: Herndon (3611978)

County Summary: Fresno

Lat/Long: 36.80466 / -119.97710 **Accuracy:** 1 mile

UTM: Zone-11 N4077339 E234399 **Elevation (ft):** 265

PLSS: T13S, R18E, Sec. 14 (M) **Acres:** 0.0

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

Detailed Location:

Ecological: THE SITE HAS BEEN CONVERTED TO VINEYARDS.

General: MVZ #33646.

Owner/Manager: PVT



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<i>Dipodomys nitratooides exilis</i>		Element Code: AMAFD03151	
Fresno kangaroo rat			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G3T1
	State: Endangered		State: S1
	Other: IUCN_VU-Vulnerable		
Habitat:	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	Element Last Seen:	1898-04-23
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1898-04-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2006-07-25		

Quad Summary: Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.77910 / -119.84460	Accuracy:	1 mile
UTM:	Zone-11 N4074142 E246138	Elevation (ft):	
PLSS:	T13S, R20E, Sec. 30 (M)	Acres:	0.0

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

<i>Vulpes macrotis mutica</i>		Element Code: AMAJA03041	
San Joaquin kit fox			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G4T2T3
	State: Threatened		State: S2S3
	Other:		
Habitat:	General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.		
	Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.		



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Occurrence No.	89	Map Index: 53873	EO Index: 53873	Element Last Seen:	1993-05-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-01-09
Quad Summary:	Herndon (3611978)				
County Summary:	Fresno				
Lat/Long:	36.82028 / -119.90199		Accuracy:	nonspecific area	
UTM:	Zone-11 N4078866 E241153		Elevation (ft):	302	
PLSS:	T13S, R19E, Sec. 09 (M)		Acres:	29.5	
Location:	HERNDON, ABOUT 1MI SE OF GRANTLAND AVE EXIT ON HIGHWAY 99 (EAST EDGE OF NORTHBOUND LANE)				
Detailed Location:					
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				
Occurrence No.	1113	Map Index: 64361	EO Index: 70600	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-08-22
Quad Summary:	Friant (3611986)				
County Summary:	Fresno, Madera				
Lat/Long:	36.98663 / -119.70939		Accuracy:	2/5 mile	
UTM:	Zone-11 N4096821 E258861		Elevation (ft):	410	
PLSS:	T11S, R21E, Sec. 07 (M)		Acres:	0.0	
Location:	VICINITY OF FRIANT.				
Detailed Location:	LOCATION GIVEN ONLY AS "FRIANT"				
Ecological:					
General:	ONE KIT FOX SIGHTED SOMETIME IN THE EARLY 1990'S BY DALE MITCHELL (DFG).				
Owner/Manager:	UNKNOWN				
Occurrence No.	1115	Map Index: 69792	EO Index: 70606	Element Last Seen:	198X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	198X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-08-23
Quad Summary:	Sanger (3611965)				
County Summary:	Fresno				
Lat/Long:	36.70281 / -119.55857		Accuracy:	1 mile	
UTM:	Zone-11 N4064956 E271443		Elevation (ft):	365	
PLSS:	T14S, R22E, Sec. 22 (M)		Acres:	0.0	
Location:	SANGER.				
Detailed Location:	LOCATION GIVEN ONLY AS "SANGER"				
Ecological:					
General:	ONE SIGHTED IN THE 1980'S BY HENRY LAMELLE.				
Owner/Manager:	UNKNOWN				



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Taxidea taxus		Element Code: AMAJF04010	
American badger			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4
	Other: DFG_SSC-Species of Special Concern, IUCN_LC-Least Concern		
Habitat:	General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.		
	Micro: NEEDS SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.		

Occurrence No.	79	Map Index: 56599	EO Index: 56615	Element Last Seen:	1988-04-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1988-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-07

Quad Summary: Herndon (3611978)
County Summary: Fresno

Lat/Long:	36.83704 / -119.89058	Accuracy:	nonspecific area
UTM:	Zone-11 N4080696 E242228	Elevation (ft):	315
PLSS:	T13S, R19E, Sec. 03 (M)	Acres:	19.6

Location: JUST WEST OF THE INTERSECTION OF HERNDON AVE & THE SANTA FE RAILROAD TRACKS, FRESNO.
Detailed Location: SW 1/4 OF SW 1/4 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

Occurrence No.	80	Map Index: 56600	EO Index: 56616	Element Last Seen:	1987-08-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1987-08-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-09-02

Quad Summary: Clovis (3611976)
County Summary: Fresno

Lat/Long:	36.78938 / -119.69158	Accuracy:	1/5 mile
UTM:	Zone-11 N4074888 E259829	Elevation (ft):	250
PLSS:	T13S, R21E, Sec. 21 (M)	Acres:	0.0

Location: SUNNYSIDE AVE, TARPEY VILLAGE, SOUTH CLOVIS.
Detailed Location: DENNING IN A HOMEOWNER'S BACKYARD. LOCATION MAPPED ACCORDING TO ADDRESS GIVEN ON FORM.
Ecological:
General: 1 OBSERVED ON 27 AUG 1987.
Owner/Manager: PVT



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<i>Emys marmorata</i>		Element Code: ARAAD02030	
western pond turtle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3G4
	State: None		State: S3
	Other: BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive		
Habitat:	General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.		
	Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.		

Occurrence No.	366	Map Index:	72057	EO Index:	72980	Element Last Seen:	2004-03-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-08-25	

Quad Summary: Friant (3611986)
County Summary: Fresno

Lat/Long:	36.93364 / -119.67403	Accuracy:	specific area
UTM:	Zone-11 N4090851 E261844	Elevation (ft):	470
PLSS:	T11S, R21E, Sec. 33 (M)	Acres:	10.0

Location: FRIANT-KERN CANAL, APPROX 0.6 MILES SOUTH OF AUBERRY RD (AUBERRY CREEK), CLOVIS.
Detailed Location: NORTH POOL AT MILEPOST 006.06 (POOL ID FKC-R-006.06.1) AND SOUTH POOL AT 006.17 (FKC-R-006.17.1).
Ecological: N POOL: CIRCULAR W/ JUNCAS SP., DOCK, & DUCKWEED. STEEP BANK. POOL SLIGHTLY TURBID. S POOL: LINEAR UNDERCROSSING W/CATTAILS, SMARTWEED MINOR'S LETTUCES, NETTLE, SOCHUS, & DELPHINIUM. POOL CLEAR-MUDDY.
General: MORE THAN 1 TURTLE IN NORTH POOL WITH 1 CAPTURED & MEASURED (16X14CM) ON 10 MAR 2004, AND IN SOUTH POOL TURTLES "ABUNDANT" ON 9 MAR 2004.
Owner/Manager: USBOR, PVT

<i>Northern Hardpan Vernal Pool</i>		Element Code: CTT44110CA	
Northern Hardpan Vernal Pool			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S3.1
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		



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Occurrence No.	5	Map Index: 14693	EO Index: 744	Element Last Seen:	1983-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1983-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	1998-07-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94715 / -119.78987 **Accuracy:** 1 mile

UTM: Zone-11 N4092647 E251569 **Elevation (ft):** 395

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: EAST SIDE OF HWY 41 ABOUT 1.5 MILES NORTH OF AVENUE 12, NEAR LITTLE TABLE MOUNTAIN.

Detailed Location: 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.

General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Occurrence No.	22	Map Index: 14877	EO Index: 28005	Element Last Seen:	1983-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1983-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	1998-07-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.90355 / -119.68653 **Accuracy:** 1 mile

UTM: Zone-11 N4087544 E260636 **Elevation (ft):** 380

PLSS: T12S, R21E, Sec. 09 (M) **Acres:** 0.0

Location: COPPER HILL VERNAL POOL, NW OF JUNCTION OF COPPER & ARMSTRONG AVENUES, VICINITY OF CLOVIS.

Detailed Location:

Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

General: MAY NO LONGER FIT EO CRITERIA. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN



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Occurrence No.	35	Map Index:	14549	EO Index:	27457	Element Last Seen:	1980-04-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1980-04-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-15	

Quad Summary: Lanes Bridge (3611987), Gregg (3611988)

County Summary: Madera

Lat/Long: 36.96160 / -119.86737 **Accuracy:** 1 mile

UTM: Zone-11 N4094455 E244714 **Elevation (ft):** 350

PLSS: T11S, R10E, Sec. 23 (M) **Acres:** 0.0

Location: HWY 41 NORTH FROM FRESNO TO AVENUE 15 THEN 3 MILES WEST. AREA INCLUDES 3 SECTIONS.

Detailed Location: 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.

General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Occurrence No.	36	Map Index:	14580	EO Index:	27313	Element Last Seen:	1980-04-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1980-04-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-15	

Quad Summary: Lanes Bridge (3611987), Little Table Mtn. (3711917)

County Summary: Madera

Lat/Long: 37.00272 / -119.85487 **Accuracy:** 1 mile

UTM: Zone-11 N4098985 E245964 **Elevation (ft):** 400

PLSS: T11S, R19E, Sec. 01 (M) **Acres:** 0.0

Location: 10 MILES EAST OF MADERA ON AVENUE 15. AREA INCLUDES SECTIONS 1 & 2. (ACTUALLY EAST ON HWY 145).

Detailed Location: POOLS FORM IN MEANDERS OF EPHEMERAL CREEKS. SOME AREAS OF 1-5 ACRES W/ VERY DENSE VERNAL POOL HABITAT. W/IN ANNUAL GRASSLAND.

Ecological: ROLLING PLAIN BUT FAIRLY LEVEL. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN



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Occurrence No.	122	Map Index: 20262	EO Index: 14614	Element Last Seen: 1991-04-XX
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1991-04-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-07-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.95532 / -119.71101 **Accuracy:** nonspecific area

UTM: Zone-11 N4093350 E258618 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 20 (M) **Acres:** 295.3

Location: ABOUT TWO AIR MILES SOUTH OF FRIANT, AND ONE AIR MILE EAST OF LOST LAKE RECREATION AREA.

Detailed Location: 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 (ORTHOCAARPUS CAMPESTRIS SUCCULENTIS) AND POSSIBLY TIGER SALAMANDERS. SPECIES LIST NOT AVAILABLE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

General: BEST AND LARGEST EXAMPLE OF VERNAL POOLS LEFT IN FRESNO COUNTY. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT

Occurrence No.	125	Map Index: 25121	EO Index: 14557	Element Last Seen: 1986-05-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1986-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-07-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96801 / -119.83676 **Accuracy:** specific area

UTM: Zone-11 N4095085 E247461 **Elevation (ft):** 365

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 9.4

Location: JUST NORTH OF AVENUE 15, 1/2 MILE WEST OF ROAD 39 1/2.

Detailed Location:

Ecological: VERNAL POOLS IN CISMONTANE VALLEY GRASSLAND. CRACKED CLAY SOILS IN CENTER OF POOLS. ORCUTTIA INAEQUALIS IN ASSOCIATION WITH ORTHOCAARPUS CAMPESTRIS SUCCULENTIS, PSILOCARPHUS, DOWNINGIA, PLAGIOBOTHRYIS AND VULPIA MYUROS.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT



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Occurrence No.	126	Map Index:	14573	EO Index:	9519	Element Last Seen:	1986-05-21
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		1986-05-21	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		1998-07-15	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.93331 / -119.85505 **Accuracy:** specific area

UTM: Zone-11 N4091283 E245717 **Elevation (ft):** 325

PLSS: T11S, R19E, Sec. 36 (M) **Acres:** 5.5

Location: JUST EAST OF ROAD 38, AND JUST NORTH OF THE SE ARM OF THE MADERA CANAL.

Detailed Location: UNDER PG&E POWER LINES.

Ecological: VERNAL POOL IN VALLEY GRASSLAND, RECENTLY DISKED CAUSING IRREVERSIBLE DAMAGE. ASSOCIATED SPECIES INCLUDE ERYNGIUM VASEYI, POLYPOGON, PSILOCARPHUS AND BROMUS RUBENS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT

Northern Claypan Vernal Pool

Element Code: CTT44120CA

Northern Claypan Vernal Pool

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G1
	State: None		State: S1.1

Other:

Habitat: **General:**

Micro:

Occurrence No.	6	Map Index:	14687	EO Index:	26474	Element Last Seen:	1980-01-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1980-01-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-15	

Quad Summary: Fresno North (3611977), Lanes Bridge (3611987)

County Summary: Fresno, Madera

Lat/Long: 36.86226 / -119.79161 **Accuracy:** 1 mile

UTM: Zone-11 N4083231 E251138 **Elevation (ft):** 350

PLSS: T12S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: NORTH OF PINEDALE. EAST SIDE BOUNDED BY FRIANT ROAD. WEST SIDE BOUNDED BY RIVER BLUFF.

Detailed Location: ABOUT 700 ACRES.

Ecological: SERIES OF MIMA MOUNDS W/INTERSPERSED POOLS. ENDANGERED ORTHOCARPUS SUCCULENTUS, ORCUTTIA CALIFORNICA VAR INEQUALIS HERE. GRASSLAND W/ HIGH % EXOTICS.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN



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Great Valley Mixed Riparian Forest		Element Code: CTT61420CA	
Great Valley Mixed Riparian Forest			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2.2
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		
Occurrence No.	36	Map Index:	14761
Occ. Rank:	Unknown	EO Index:	15633
Occ. Type:	Natural/Native occurrence	Presence:	Presumed Extant
		Trend:	Unknown
		Element Last Seen:	1983-10-27
		Site Last Seen:	1983-10-27
		Record Last Updated:	1998-07-21
Quad Summary:	Friant (3611986), Lanes Bridge (3611987)		
County Summary:	Fresno, Madera		
Lat/Long:	36.93375 / -119.75252	Accuracy:	specific area
UTM:	Zone-11 N4091063 E254853	Elevation (ft):	280
PLSS:	T11S, R20E, Sec. 35 (M)	Acres:	103.6
Location:	BALL RANCH ROOKERY VICINITY, ALONG SAN JOAQUIN RIVER, SOUTH OF LEDGER ISLAND.		
Detailed Location:	MAP GENERALIZED FROM 1983 USAGE AERIAL PHOTOS.		
Ecological:	RIPARIAN ASSOC W/POPULUS FREMONTII, SALIX SPP, ALNUS RHOMBIFOLIA & PLATANUS RACEMOSA. ADJ TO GRASSLAND W/VALLEY OAKS.		
General:	SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.		
Owner/Manager:	PVT		



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Sycamore Alluvial Woodland		Element Code: CTT62100CA	
Sycamore Alluvial Woodland			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1
	State: None		State: S1.1
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		

Occurrence No.	9	Map Index:	22658	EO Index:	17208	Element Last Seen:	1992-09-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1992-09-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-21	

Quad Summary: Friant (3611986)
County Summary: Fresno

Lat/Long:	36.94031 / -119.68562	Accuracy:	specific area
UTM:	Zone-11 N4091621 E260832	Elevation (ft):	360
PLSS:	T11S, R21E, Sec. 28 (M)	Acres:	28.5

Location: LITTLE DRY CREEK; NORTH OF ADJACENT AUBERRY ROAD AND JUST EAST OF THE FRIANT-KERN CANAL IN FRESNO COUNTY.
Detailed Location: 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.
General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.
Owner/Manager: PVT

Branchinecta lynchi		Element Code: ICBRA03030	
vernal pool fairy shrimp			
Listing Status:	Federal: Threatened	CNDDDB Element Ranks:	Global: G3
	State: None		State: S2S3
	Other: IUCN_VU-Vulnerable		
Habitat:	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.		



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Occurrence No.	2	Map Index: 22101	EO Index: 8053	Element Last Seen: 1992-03-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1992-03-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2006-12-20

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.91559 / -119.78953 **Accuracy:** 1/5 mile

UTM: Zone-11 N4089143 E251497 **Elevation (ft):** 375

PLSS: T12S, R20E, Sec. 04 (M) **Acres:** 0.0

Location: VICINITY OF ROOT CREEK, EAST OF STATE ROUTE 41 & ABOUT 0.6 MILE SOUTH OF AVENUE 12, 9 MILES WEST OF FRIANT.

Detailed Location: VERNAL POOLS LOCATED BETWEEN STATE ROUTE 41 & UP TO 0.6 MILES TO THE EAST. 1992 SURVEY POOL NUMBERS: 30, 31, 32.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM & ERYNGIUM VASEYI.

General: ADULTS OBSERVED IN 1 (POSSIBLY 2) POOLS ON 18 MAR 1992. FAIRY SHRIMP FOUND IN 4 POOLS ON 19 MAR 1992. SCAPHIOPUS HAMMONDI HAMMONDI TADPOLES ALSO PRESENT.

Owner/Manager: PVT

Occurrence No.	5	Map Index: 24599	EO Index: 6578	Element Last Seen: 2004-03-16
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2004-03-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-09-02

Quad Summary: Friant (3611986), Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.97667 / -119.75240 **Accuracy:** specific area

UTM: Zone-11 N4095826 E255000 **Elevation (ft):** 435

PLSS: T11S, R20E, Sec. 14 (M) **Acres:** 18.0

Location: IN THE AREA OF THE JUNCTION OF MADERA CANAL & ROAD 204, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN.

Detailed Location: NE OF THE JUNCTION IN 1993. POOL ID MAC-L-004.20.1 IN 2004 AT MADERA CANAL MILEPOST 004.20.

Ecological: "TYPICAL VERNAL POOL, CIRCULAR DEPRESSION, CLEAR WATER. ERYNGIUM EMERGENT, PLAGIOBOTHRYDS, ERODIUM, SONCHUS, BROMUS DIANDRUS, TRIFOLIUM, ALEPCURUS, AND CASTILLEA."

General: SEVERAL INDIVIDUALS OBSERVED IN 1993. 2 MALE & 3 FEMALE FAIRY SHRIMP OBS BY D. NEWMAN ON 16 MAR 2004.

Owner/Manager: USBOR, PVT



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Occurrence No.	101	Map Index:	32551	EO Index:	1757	Element Last Seen:	1992-XX-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		Record Last Updated:	2009-06-17
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91077 / -119.73529 **Accuracy:** specific area

UTM: Zone-11 N4088468 E256314 **Elevation (ft):** 360

PLSS: T12S, R20E, Sec. 01 (M) **Acres:** 5.6

Location: 1.2 KM SOUTH OF THE INTERSECTION BETWEEN WILLOW AVENUE AND FRIANT ROAD; 10 KM SSW OF FRIANT.

Detailed Location: 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. 2009 AERIAL PHOTO SHOWS SITE DEVELOPED BY GOLF COURSE & RURAL RESIDENTIAL.

General: "MANY" INDIVIDUALS OBSERVED IN 3 POOLS; WESTERN SPADEFOOT TOAD AND CALIFORNIA TIGER SALAMANDER ALSO PRESENT.

Owner/Manager: PVT

Occurrence No.	127	Map Index:	33338	EO Index:	21886	Element Last Seen:	1993-02-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	1996-06-07
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96913 / -119.82762 **Accuracy:** 80 meters

UTM: Zone-11 N4095185 E248279 **Elevation (ft):** 370

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 0.0

Location: 0.25 MILE EAST OF ROAD 39-1/2 ALIGNMENT AND 0.2 MILE NORTH OF AVENUE 15, WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location: 4 POOLS SAMPLED IN A SERIES.

Ecological: CLAYPAN VERNAL POOLS AND SWALES IN NON NATIVE GRASSLAND. LINDERIELLA OCCIDENTALIS AND SCAPHIOPUS HAMMONDII ALSO PRESENT.

General: G. KIRKPATRICK COLLECTED SHRIMP IN ALL 4 SAMPLED POOLS ON 17 FEBRUARY 1993.

Owner/Manager: PVT



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Occurrence No.	129	Map Index:	14592	EO Index:	25271	Element Last Seen:	1993-02-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1993-02-17	Record Last Updated:	1998-08-06
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.96855 / -119.84268			Accuracy:	nonspecific area		
UTM:	Zone-11 N4095160 E246936			Elevation (ft):	375		
PLSS:	T11S, R19E, Sec. 13 (M)			Acres:	127.6		
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.						
Detailed Location:	SAMPLED 2 POOLS IN A SERIES.						
Ecological:	CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.						
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.	148	Map Index:	33666	EO Index:	30639	Element Last Seen:	1993-03-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1993-03-12	Record Last Updated:	1997-03-17
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Round Mountain (3611975), Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.81407 / -119.63591			Accuracy:	3/5 mile		
UTM:	Zone-11 N4077489 E264873			Elevation (ft):	385		
PLSS:	T13S, R21E, Sec. 12 (M)			Acres:	0.0		
Location:	EAST OF DE WOLF AVE & SOUTH OF BULLARD AVE. EAST OF CLOVIS.						
Detailed Location:	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.	189	Map Index:	36859	EO Index:	31856	Element Last Seen:	1993-04-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1993-04-XX	Record Last Updated:	1997-09-24
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.97427 / -119.70036			Accuracy:	nonspecific area		
UTM:	Zone-11 N4095426 E259626			Elevation (ft):	460		
PLSS:	T11S, R21E, Sec. 17 (M)			Acres:	641.9		
Location:	1 MILE SOUTH OF FRIANT DAM (LAKE MILLERTON), NORTH OF FRESNO.						
Detailed Location:							
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						



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Occurrence No.	198	Map Index: 40245	EO Index: 35247	Element Last Seen: 1998-02-14
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1998-02-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-11-30

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97622 / -119.66868 **Accuracy:** nonspecific area

UTM: Zone-11 N4095563 E262453 **Elevation (ft):** 600

PLSS: T11S, R21E, Sec. 15 (M) **Acres:** 937.4

Location: MILLERTON NEW TOWN, IMMEDIATELY SOUTH OF MILLERTON ROAD, EAST OF FRIANT-KERN CANAL, NW OF AUBERY ROAD.

Detailed Location: 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.

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

Occurrence No.	214	Map Index: 41666	EO Index: 41666	Element Last Seen: 1999-03-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1999-03-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1999-10-25

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94479 / -119.76380 **Accuracy:** 80 meters

UTM: Zone-11 N4092317 E253883 **Elevation (ft):** 390

PLSS: T11S, R20E, Sec. 26 (M) **Acres:** 0.0

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.

Detailed Location: 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.

General: 100'S OBSERVED, 10 COLLECTED AND SENT TO CAS, 1999.

Owner/Manager: PVT



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Occurrence No.	220	Map Index: 41787	EO Index: 41787	Element Last Seen: 1999-03-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1999-03-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1999-10-25

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.93993 / -119.76693 **Accuracy:** 80 meters

UTM: Zone-11 N4091786 E253589 **Elevation (ft):** 440

PLSS: T11S, R20E, Sec. 27 (M) **Acres:** 0.0

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.

Detailed Location: VERNAL POOL

Ecological: VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LAND USE IS AGRICULTURE & HOUSING DEVELOPMENT. CURRENT USE IS CATTLE GRAZING.

General: 100'S OBSERVED, 40 FOR THE THREE LOCATIONS (OCCURRENCES 214, 220 & 221) COLLECTED AND SENT TO CAS, 1999.

Owner/Manager: PVT

Occurrence No.	221	Map Index: 41788	EO Index: 41788	Element Last Seen: 1999-03-13
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1999-03-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1999-10-25

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94793 / -119.76777 **Accuracy:** 80 meters

UTM: Zone-11 N4092675 E253540 **Elevation (ft):** 390

PLSS: T11S, R20E, Sec. 27 (M) **Acres:** 0.0

Location: UPPER ROOT CREEK DRAINAGE, 2 MILES SE OF HIGHWAY 41 AND ROAD 204, 1.9 MILES NE OF HIGHWAY 41 AND AVENUE 12.

Detailed Location:

Ecological: HABITAT CONSISTS OF A VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LY GRAZED BY CATTLE.

General: 100'S OBSERVED, ~40 FOR THE THREE LOCATIONS (OCCURRENCES 214, 220 & 221) COLLECTED AND SENT TO CAS, 1999.

Owner/Manager: PVT



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Occurrence No.	322	Map Index: 48387	EO Index: 48387	Element Last Seen:	2002-02-16
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-07-29

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91179 / -119.68856 **Accuracy:** specific area

UTM: Zone-11 N4088463 E260481 **Elevation (ft):** 435

PLSS: T12S, R21E, Sec. 04 (M) **Acres:** 17.9

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.

Detailed Location:

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	Element Last Seen:	2002-02-16
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-07-29

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91512 / -119.67997 **Accuracy:** 80 meters

UTM: Zone-11 N4088811 E261257 **Elevation (ft):** 425

PLSS: T12S, R21E, Sec. 04 (M) **Acres:** 0.0

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.

Detailed Location:

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



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Occurrence No.	324	Map Index: 48392	EO Index: 48392	Element Last Seen:	2002-02-10
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-07-29

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long:	36.92880 / -119.72742	Accuracy:	80 meters
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UTM:	Zone-11 N4090449 E257073	Elevation (ft):	375
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PLSS:	T11S, R21E, Sec. 31 (M)	Acres:	0.0
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Location: ABOUT 4 MILES SSW OF FRIANT; NEAR LITTLE DRY CREEK, 0.2 MILES EAST OF FRIANT ROAD.

Detailed Location:

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

Occurrence No.	325	Map Index: 48393	EO Index: 48393	Element Last Seen:	2002-02-10
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-07-29

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long:	36.92929 / -119.71195	Accuracy:	80 meters
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UTM:	Zone-11 N4090464 E258452	Elevation (ft):	360
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PLSS:	T11S, R21E, Sec. 31 (M)	Acres:	0.0
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Location: 3.9 MILES DIRECTLY SOUTH OF FRIANT; APPROXIMATELY 0.3 MILES WEST OF AUBERRY ROAD, EAST OF CREEK.

Detailed Location:

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



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Occurrence No.	326	Map Index:	47430	EO Index:	48394	Element Last Seen:	2002-02-10
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			2002-02-10
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2002-07-29

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.92358 / -119.71469 **Accuracy:** specific area

UTM: Zone-11 N4089837 E258190 **Elevation (ft):** 400

PLSS: T12S, R21E, Sec. 06 (M) **Acres:** 13.1

Location: 4.5 MILES SOUTH OF FRIANT; 0.2 TO 0.4 MILE WEST OF AUBERRY ROAD, LOCATED BETWEEN 2 CREEKS.

Detailed Location:

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

Occurrence No.	346	Map Index:	67495	EO Index:	51284	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2001-02-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2006-12-21

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.93610 / -119.78924 **Accuracy:** specific area

UTM: Zone-11 N4091419 E251589 **Elevation (ft):** 400

PLSS: T11S, R20E, Sec. 33 (M) **Acres:** 55.0

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

Detailed Location: POOLS LOCATED PRIMARILY ALONG UNNAMED STREAM. SOME POOLS LOCATED TO THE NORTH OF THE STREAM. 1992 POOL SURVEY NUMBERS: 41, 43, 47, 49, 50, 66, 67.

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.

General: UNKNOWN NUMBER OF ADULTS IN 7 POOLS ON 19 MARCH 1992. INDIVIDUALS IN 5 OF THE 7 POOLS WERE NOT IDENTIFIED TO SPECIES - THESE MAY BE B. LYNCHI. UNKNOWN NUMBER OF ADULT SHRIMP OBSERVED FEB 2001.

Owner/Manager: PVT



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Occurrence No.	347	Map Index: 45182	EO Index: 51286	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.90552 / -119.78512 **Accuracy:** 80 meters

UTM: Zone-11 N4088015 E251857 **Elevation (ft):** 350

PLSS: T12S, R20E, Sec. 09 (M) **Acres:** 0.0

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

Detailed Location:

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.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Occurrence No.	349	Map Index: 45183	EO Index: 51289	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-15

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.95126 / -119.77616 **Accuracy:** 80 meters

UTM: Zone-11 N4093067 E252803 **Elevation (ft):** 420

PLSS: T11S, R20E, Sec. 27 (M) **Acres:** 0.0

Location: 0.9 MILE EAST OF HIGHWAY 41 AND 0.5 MILE SOUTH OF ROAD 204, 7 MILES NORTH OF PINEDALE

Detailed Location:

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.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT



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Occurrence No.	350	Map Index: 51334	EO Index: 51334	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-20

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94681 / -119.78415 **Accuracy:** 80 meters

UTM: Zone-11 N4092594 E252077 **Elevation (ft):** 420

PLSS: T11S, R20E, Sec. 27 (M) **Acres:** 0.0

Location: 0.6 MILE EAST OF HIGHWAY 41 AND 0.9 MILE SOUTH OF ROAD 204, 6.5 MILES NORTH OF PINEDALE

Detailed Location:

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.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT

Occurrence No.	351	Map Index: 51335	EO Index: 51335	Element Last Seen:	2001-02-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-02-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-05-20

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.93495 / -119.76771 **Accuracy:** 80 meters

UTM: Zone-11 N4091235 E253503 **Elevation (ft):** 310

PLSS: T11S, R20E, Sec. 34 (M) **Acres:** 0.0

Location: 1.4 MILES EAST OF HIGHWAY 41 AND 1.6 MILES SOUTH OF ROAD 204, 6.4 MILES NORTH OF PINEDALE

Detailed Location:

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.

General: ADULT SHRIMP OBSERVED DURING FEB 2001.

Owner/Manager: PVT



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Occurrence No.	403	Map Index:	64301	EO Index:	64380	Element Last Seen:	2004-11-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-11-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-03-20	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.97708 / -119.79240 **Accuracy:** 1/10 mile

UTM: Zone-11 N4095975 E251440 **Elevation (ft):** 430

PLSS: T11S, R20E, Sec. 16 (M) **Acres:** 0.0

Location: EAST OF STATE ROUTE 41 JUST NORTH OF THE MADERA CANAL.

Detailed Location: 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

Occurrence No.	404	Map Index:	64752	EO Index:	64831	Element Last Seen:	2006-02-03
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2006-02-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-05-30	

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long: 36.83106 / -119.63997 **Accuracy:** 80 meters

UTM: Zone-11 N4079385 E264563 **Elevation (ft):** 395

PLSS: T13S, R21E, Sec. 01 (M) **Acres:** 0.0

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.

Detailed Location: 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.

General: 3 ADULTS OBSERVED ON 3 FEB 2006.

Owner/Manager: PVT



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Occurrence No.	410	Map Index:	64321	EO Index:	64400	Element Last Seen:	2005-02-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2005-02-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-17

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.98865 / -119.79486 **Accuracy:** nonspecific area

UTM: Zone-11 N4097265 E251259 **Elevation (ft):** 430

PLSS: T11S, R20E, Sec. 09 (M) **Acres:** 38.0

Location: ABOUT 1.5 MILES SOUTH OF STATE ROUTE 145 ALONG STATE ROUTE 41 (AT BENCH MARK 432) AND MADERA CANAL RIGHT-OF-WAY.

Detailed Location: 1992: 50 FT EAST OF SR 41. 2004: ALONG EAST SIDE OF CANAL AT CANAL MILEPOSTS 008.57 (POOL ID MAC-R-008.57.1) & 008.34 (MAC-R-008.34.1). 2004-2005: EAST & WEST OF SR41 NEAR POST MILE 7.9 (1 POOL IN CALTRANS ROW; OTHERS ON PVT PROPERTY).

Ecological: SR145: ISOLATED POOLS W/IN SWALE COMPLEXES & DIRT ROADS; VEG VARIOUS W/ TRICHOSTEMA LANCEOLATUM, CENTAUREA SOLSTITIALIS, & ERYGIUM, JUNCUS, ERODIUM, & HORDEUM SP. CANAL: CLEAR, LARGE VERNAL POOLS. AREA IS GRAZED ANNUAL GRASSLAND.

General: ADULTS IN 2 POOLS, 10 MAR 1992. 2 MALES & 5 UNK FEMALES (PROB B. LYNCHI) OBS AT N POOL ALONG CANAL, & 1 MALE & 1 FEMALE OBS AT S POOL ON 18 MAR 2004. 6 POOLS SURVEYED 08 NOV 2004 - 01 FEB 2005, EACH W/ <7 ADULTS (COLL & DEPOSITED IN CAS).

Owner/Manager: CALTRANS, USBOR, PVT

Occurrence No.	424	Map Index:	67498	EO Index:	67664	Element Last Seen:	1992-03-18
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:			1992-03-18
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2006-12-22

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94918 / -119.79348 **Accuracy:** 80 meters

UTM: Zone-11 N4092882 E251254 **Elevation (ft):** 400

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: JUST EAST OF STATE ROUTE 41 AND 1.8 MILES NORTH OF AVENUE 12, 7 MILES NORTH OF PINEDALE.

Detailed Location: POOL #C005 IS LOCATED 50 FEET EAST OF STATE ROUTE 41. MAPPED ACCORDING TO LOCATION SHOWN ON A MAP.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOL.

General: UNKNOWN NUMBER OF B. LYNCHI OBSERVED IN 1 POOL ON 18 MARCH 1992.

Owner/Manager: PVT



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Occurrence No.	425	Map Index:	67499	EO Index:	67665	Element Last Seen:	1992-03-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1992-03-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-12-22	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94359 / -119.79416 **Accuracy:** 80 meters

UTM: Zone-11 N4092262 E251175 **Elevation (ft):** 400

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: JUST WEST OF STATE ROUTE 41 AND 1.4 MILES NORTH OF AVENUE 12, 6.8 MILES NORTH OF PINEDALE.

Detailed Location: POOL #C214 IS LOCATED 20 FEET WEST OF STATE ROUTE 41. MAPPED ACCORDING TO LOCATION SHOWN ON A MAP.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOL DOMINATED BY ERYNGIUM VASEYI. AMBYSTOMA CALIFORNIENSE AND SPEA HAMMONDII ALOS IN AREA.

General: UNKNOWN NUMBER OF ADULT B. LYNCHI OBSERVED IN 1 POOL ON 17 MARCH 1992.

Owner/Manager: PVT

Occurrence No.	596	Map Index:	72190	EO Index:	73141	Element Last Seen:	2004-03-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-08	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.99505 / -119.79864 **Accuracy:** 80 meters

UTM: Zone-11 N4097986 E250943 **Elevation (ft):** 423

PLSS: T11S, R20E, Sec. 09 (M) **Acres:** 0.0

Location: EAST SIDE OF MADERA CANAL AT MILEPOST 009.17, 0.14 CANAL MILES NE OF LITTLE DRY CREEK, & 0.25 MILES WEST OF HWY 41.

Detailed Location: MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID MAC-R-009.17.1.

Ecological: HABITAT DESCRIBED AS A "SMALL LINEAR ROAD-SIDE DITCH, CLEAR WATER, EMERGENT RUMEX, JUCUS SP., ALSO SILYBUM, MIMULUS, GRASSES, AND LACTUCA."

General: 1 MALE AND 3 FEMALES CAPTURED AND IDENTIFIED TO SPECIES ON 18 MAR 2004 BY D. NEWMAN.

Owner/Manager: USBOR



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Occurrence No.	597	Map Index:	72210	EO Index:	73150	Element Last Seen:	2004-03-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-09	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.95880 / -119.68952 **Accuracy:** specific area

UTM: Zone-11 N4093682 E260542 **Elevation (ft):** 477

PLSS: T11S, R21E, Sec. 21 (M) **Acres:** 15.0

Location: ALONG EAST SIDE OF FRIANT-KERN CANAL, 1.3 AIR MI NNW OF THE CROSSING OF THE CANAL & AUBERRY RD, 2.2 MI SE OF FRIANT PO.

Detailed Location: SERIES OF 3 POOLS AT MILEPOSTS 003.00 (NORTH, POOL ID FKC-L-003.00.1), 003.12 (MIDDLE, ID FKC-L-003.12.1), AND 003.21 (SOUTH, ID FKC-L-003.21.1). MAPPED TO PROVIDED COORDINATES IN SHAPFILE.

Ecological: HABITAT DESCRIBED AS A CLEAR VERNAL POOL W/ ERYNGIUM SP & NON-NATIVE GRASSES (N), A TURBID SWALE W/ CATTLE DISTURBANCE & HOOF PRINTS & EMERGENT VEG & NON-NATIVE GRASSES (MID), & A TEA-COLORED VERNAL POOL NEXT TO CATTLE PASTURE (S).

General: ALL 3 POOLS SAMPLED ON 9 MAR 2004 BY C. UPTAIN W/ THE FOLLOWING FOUND: 3 MALES & 4 FEMALES FROM NORTH POOL, SPECIES PRESENT IN MIDDLE POOL, & 2 MALES, 1 FEMALE, & 1 IMMATURE FROM SOUTH POOL.

Owner/Manager: USBOR, PVT

Occurrence No.	598	Map Index:	72216	EO Index:	73153	Element Last Seen:	2004-03-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-09	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.94810 / -119.69563 **Accuracy:** specific area

UTM: Zone-11 N4092511 E259965 **Elevation (ft):** 477

PLSS: T11S, R21E, Sec. 29 (M) **Acres:** 23.0

Location: FRIANT-KERN CANAL, 1 AIR MI NW TO 1 AIR MI WNW OF THE CROSSING OF THE CANAL AT AUBERRY RD, 2.7 MI SSW OF FRIANT PO.

Detailed Location: SERIES OF 5 POOLS ALONG CANAL'S E SIDE AT CANAL MILEPOSTS 003.78 (N, POOL ID FKC-L-003.78.1), 003.82 (MID-N, FKC-L-003.82.1), 003.95 (MID, FKC-L-003.95.1), 004.04 (MID-S, FKC-L-004.04.1), & 004.12 (S, FKC-L-004.12.1). MAPPED TO SHAPEFILE.

Ecological: POOLS DESCRIBED AS: CLEAR, LONG, NARROW, TURBID, VERNAL POOL (N); LONG, NARROW, TEA-COLORED SWALE (MID-N); TURBID VERNAL POOL <1 FT FROM RD (MID); TURBID VERNAL POOL W/ CATTLE DISTURB (MID-S); TURBID POOL W/ REMAINING POOLS IN HOOF PRINTS.

General: POOLS SAMPLED 10 MAR 2004: 4 MALES ID'D BY G. BASSO (NORTH) THOUSANDS MORE OBS, 3 MALES OBS BY G.B. (MID-NORTH), 1 (SEX NOT STATED) OBS BY G.B. (MIDDLE), 1 FEMALE OBS BY G.B. (MID-SOUTH), & 6 MALES & 2 FEMALES OBS BY J. KOKX (SOUTH).

Owner/Manager: USBOR, PVT



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Occurrence No.	599	Map Index:	72219	EO Index:	73159	Element Last Seen:	2004-03-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2004-03-11
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-09

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.93101 / -119.67326 **Accuracy:** specific area

UTM: Zone-11 N4090558 E261904 **Elevation (ft):** 480

PLSS: T11S, R21E, Sec. 34 (M) **Acres:** 7.0

Location: FRIANT-KERN CANAL, 0.88 AIR MI SSE OF THE CROSSING OF THE CANAL AT AUBERRY RD, 4.3 MI SE OF FRIANT PO.

Detailed Location: 2 POOLS ALONG THE EAST SIDE OF THE CANAL (ONE EACH ON EACH SIDE OF CANAL BRIDGE) AT MILEPOSTS 006.35 (NORTH, POOL ID FKC-L-006.35.1) AND 006.42 (SOUTH, POOL ID FKC-L-006.42.1). MAPPED TO PROVIDED SHAPEFILE.

Ecological: HABITAT DESCRIBED AS A TURBID, ROADSIDE DITCH (PUDDLE) W/OUT EMERGENT VEGETATION (NORTH), AND A SMALL, TURBID VERNAL POOL DRAINING INTO CULVERT (SOUTH).

General: NORTH POOL SAMPLED ON 11 MAR 2004 WITH 1 MALE OBSERVED BY K. GARCIA-TOMLINSON. SOUTH POOL SAMPLED ON 10 MAR 2004 WITH 5 FEMALES OBSERVED BY J. KOKX.

Owner/Manager: USBOR, PVT

Occurrence No.	600	Map Index:	72220	EO Index:	73161	Element Last Seen:	2004-03-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2004-03-10
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-09

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.89856 / -119.64453 **Accuracy:** 80 meters

UTM: Zone-11 N4086886 E264364 **Elevation (ft):** 475

PLSS: T12S, R21E, Sec. 11 (M) **Acres:** 0.0

Location: FRIANT-KERN CANAL AT MILEPOST 9.68, 262 METERS E OF BRIDGE OVER CANAL, 2.5 MI NNW OF COLLINS (ST HWY 168 @ THOMPSON AVE)

Detailed Location: MAPPED TO PROVIDED SHAPEFILE. POOL ID FKC-L-009.68.1.

Ecological: HABITAT DESCRIBED AS A CLEAR, RECEDING, ROADSIDE DITCH WITH ERYNGIUM.

General: 4 MALES (1 IMMATURE) IDENTIFIED TO SPECIES & 3 UNKNOWN FEMALES OBS ON 10 MAR 2004 BY J. KOKX.

Owner/Manager: USBOR, PVT



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Occurrence No.	601	Map Index:	72280	EO Index:	73162	Element Last Seen:	2004-03-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-15	
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.89482 / -119.63740	Accuracy:	specific area				
UTM:	Zone-11 N4086453 E264987	Elevation (ft):	465				
PLSS:	T12S, R21E, Sec. 13 (M)	Acres:	9.0				
Location:	FRIANT-KERN CANAL @ MILEPOSTS 010.17, 010.24 (E OF BRIDGE), 2.4MI S OF OWENS MT, 1.1MI NE OF N DEWOLF AVE @ BEHYMER AVE.						
Detailed Location:	SERIES OF TWO POOLS; WEST POOL ON SOUTH SIDE OF CANAL (POOL IDS FKC-R-010.17.1) AND EAST POOL ON NORTH SIDE OF CANAL (ID FKC-L-010.24.1). MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE.						
Ecological:	WEST POOL: CLEAR POOL W/ JUNCUS SP, & GRASSES IN SURROUNDING AREA. EAST POOL: TEA COLORED & VERY DEEP (2005); AND VERY CLEAR, LONG & NARROW VERNAL POOL WITH LOTS OF EMERGENT VEG (2004).						
General:	2 MALES IDENTIFIED TO SPECIES (2 UNKNOWN FEMALES) IN EAST POOL ON 11 MAR 2004 BY J. KOKX.						
Owner/Manager:	USBOR						
Occurrence No.	602	Map Index:	72226	EO Index:	73168	Element Last Seen:	2004-03-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-10	
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.89843 / -119.62954	Accuracy:	specific area				
UTM:	Zone-11 N4086834 E265699	Elevation (ft):	465				
PLSS:	T12S, R21E, Sec. 12 (M)	Acres:	10.0				
Location:	FRIANT-KERN CANAL, 2.3 MI SSE OF OWENS MOUNTAIN, 1.5 MI NE OF N DEWOLF AVE AT BEHYMER AVE.						
Detailed Location:	SERIES OF 2 POOLS ON NORTH SIDE OF THE CANAL NEAR A TIGHT BEND. WEST POOL AT MILEPOST 010.63 (POOL ID FKC-L-010.63.1), & EAST POOL AT MILEPOST 010.78 (POOL ID FKC-L-010.78.1). MAPPED TO PROVIDED COORDINATES IN SHAPEFILE.						
Ecological:	HABITAT DESCRIBED AS A CLEAR SHALLOW POOL W/ EMERGENT ERYNGIUM SP. SURROUNDED BY NON-NATIVE GRASSES (WEST), AND A CLEAR SHALLOW POOL W/ LOTS OF EMERGENT ERYNGIUM SP W/ NON-NATIVE GRASSES & UNKNOWN LIGHT-GREEN NARROW GRASS (EAST).						
General:	BOTH POOLS SAMPLED ON 11 MAR 2004 BY K. GARCIA-TOMLINSON & J. KOKX WITH 3 MALES IDENTIFIED TO SPECIES (& 2 UNKNOWN FEMALES) IN THE WEST POOL, & 2 MALES & 2 FEMALES IDENTIFIED TO SPECIES IN THE EAST POOL.						
Owner/Manager:	USBOR						



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<i>Branchinecta mesovallensis</i>		Element Code: ICBRA03150	
midvalley fairy shrimp			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other:		
Habitat:	General: VERNAL POOLS IN THE CENTRAL VALLEY.		
	Micro: <input type="checkbox"/>		

Occurrence No.	22	Map Index: 47427	EO Index: 47427	Element Last Seen:	2002-02-10
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2002-02-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-03-14
Quad Summary:	Friant (3611986)				
County Summary:	Fresno				
Lat/Long:	36.92967 / -119.71144		Accuracy:	80 meters	
UTM:	Zone-11 N4090505 E258499		Elevation (ft):	335	
PLSS:	T11S, R21E, Sec. 31 (M)		Acres:	0.0	
Location:	SOUTH OF LITTLE DRY CREEK AND WEST OF AUBERRY ROAD, 4 MILES SOUTH OF FRIANT				
Detailed Location:	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.				
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	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-07-25
Quad Summary:	Friant (3611986)				
County Summary:	Fresno				
Lat/Long:	36.88961 / -119.63571		Accuracy:	1/10 mile	
UTM:	Zone-11 N4085870 E265122		Elevation (ft):	430	
PLSS:	T12S, R21E, Sec. 13 (M)		Acres:	0.0	
Location:	5.6 MILES NE OF CLOVIS; 0.35 MILE SOUTH OF THE FRIANT-KERN CANAL ALONG AN UNIMPROVED ROAD.				
Detailed Location:					
Ecological:					
General:	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #036 ON AN UNKNOWN DATE. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.				
Owner/Manager:	UNKNOWN				

<i>Linderiella occidentalis</i>		Element Code: ICBRA06010	
California linderiella			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S2S3
	Other: IUCN_NT-Near Threatened		
Habitat:	General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.		



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Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No.	1	Map Index: 24602	EO Index: 6391	Element Last Seen:	1993-03-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-03-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-09-20
Quad Summary:	Friant (3611986)				
County Summary:	Madera				
Lat/Long:	36.98227 / -119.73825		Accuracy:	80 meters	
UTM:	Zone-11 N4096410 E256278		Elevation (ft):	440	
PLSS:	T11S, R20E, Sec. 12 (M)		Acres:	0.0	
Location:	ALONG MADERA CANAL, 1.5 MILES WSW OF FRIANT.				
Detailed Location:					
Ecological:					
General:	SEVERAL OBSERVED IN 1993.				
Owner/Manager:	USBOR				

Occurrence No.	2	Map Index: 64321	EO Index: 6582	Element Last Seen:	2004-03-18
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-03-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Lanes Bridge (3611987)				
County Summary:	Madera				
Lat/Long:	36.98865 / -119.79486		Accuracy:	nonspecific area	
UTM:	Zone-11 N4097265 E251259		Elevation (ft):	430	
PLSS:	T11S, R20E, Sec. 09 (M)		Acres:	38.0	
Location:	ABOUT 1.5 MILES SOUTH OF STATE ROUTE 145 ALONG STATE ROUTE 41 (AT BENCH MARK 432) AND MADERA CANAL RIGHT-OF-WAY.				
Detailed Location:	SERIES OF 3 POOLS ON E SIDE OF CANAL. 1993: "ALONG CANAL, <0.1 MI W OF SR41"; MAPPED TO PROVIDED MAP (MIDDLE CANAL POOL). 2004: AT CANAL MILEPOSTS 008.57 (POOL ID MAC-R-008.57.1) & 008.34 (MAC-R-008.34.1), N & S POOLS RESPECTIVELY.				
Ecological:	2004: N POOL DESCRIBED AS VERY LARGE, CLEAR VERNAL POOL W/ EMERGENT VEG INCL JUNCUS, GRASSES, ERYNGIUM, RUMEX; DRAINS INTO ADJ POOL. S POOL DESCRIBED AS VERY LARGE, CLEAR VERNAL POOL EXTENDING N (250X1M) THRU FENCE LINE TO NEXT LARGE POOL.				
General:	A "FEW" OBSERVED ON 24 MAR 1993; SITE QUALITY "FAIR". 4 MALES IDENTIFIED TO SPECIES IN N POOL BY D. NEWMAN, AND 3 MALES & 6 FEMALES IDENTIFIED TO SPECIES IN S POOL BY K. GARCIA-TOMLINSON, BOTH ON 18 MAR 2004.				
Owner/Manager:	USBOR				



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Occurrence No.	21	Map Index: 24599	EO Index: 6393	Element Last Seen:	2005-02-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-02-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-09-04

Quad Summary: Friant (3611986), Lanes Bridge (3611987)

County Summary: Madera

Lat/Long:	36.97667 / -119.75240	Accuracy:	specific area
UTM:	Zone-11 N4095826 E255000	Elevation (ft):	435
PLSS:	T11S, R20E, Sec. 14 (M)	Acres:	18.0

Location: IN THE AREA OF THE JUNCTION OF MADERA CANAL & ROAD 204, 3 MILES SW OF FRIANT, ON THE EAST SIDE OF LITTLE TABLE MOUNTAIN.

Detailed Location: SW AND NE OF THE JUNCTION IN 1993. POOL IDS MAC-R-004.06.1 AND MAC-L-004.20.1 IN 2005 AT CANAL MILEPOSTS 004.06 & 004.20, RESPECTIVELY.

Ecological: MAC-R-004.06.1: "APPROX. 30M X 7M. VEG & DOWN LOGS IN POOL. WATER BRACKISH COLOR W/ FILM & ALGAE FLOATING." MAC-L-004.20.1: "POOL SIGNIFICANT INCREASE SURFACE AREA THIS YEAR. NOW UP AGAINST W FENCE-LINE. VERY COLD. AMPHIB EGG-MASSSES OBS."

General: SEVERAL OBSERVED IN 1993. 3 MALE CA LINDERIELLA & 4 UNIDENTIFIED FEMALE SHRIMP AT MAC-R-004.06.1, & 4 MALE CA LINDERIELLA & 1 UNIDENTIFIED FEMALE SHRIMP OBSERVED ON 3 FEB 2005 AT MAC-L-004.20.1 BY K. GARCIA-TOMLINSON & G. BASSO.

Owner/Manager: USBOR, PVT

Occurrence No.	34	Map Index: 33054	EO Index: 3693	Element Last Seen:	1994-03-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1994-03-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-03-16

Quad Summary: Round Mountain (3611975), Clovis (3611976)

County Summary: Fresno

Lat/Long:	36.83561 / -119.62808	Accuracy:	1/5 mile
UTM:	Zone-11 N4079860 E265637	Elevation (ft):	400
PLSS:	T13S, R21E, Sec. 01 (M)	Acres:	0.0

Location: JUST SOUTH OF THE INTERSECTION ON HERNDON AVENUE AND HIGHLAND AVENUE, 3 MILES ENE OF CLOVIS.

Detailed Location: #MW-94-04 COLLECTED AT THE SW CORNER OF HERNDON AVENUE AND HIGHLAND AVENUE; #MW-94-05 COLLECTED AT THE SE CORNER.

Ecological:

General: COLLECTION #MW-94-04 AND #MW-94-05, DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN



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Occurrence No.	39	Map Index: 33077	EO Index: 18876	Element Last Seen: 1994-03-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1994-03-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1995-03-23

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96816 / -119.86231 **Accuracy:** 1/5 mile

UTM: Zone-11 N4095169 E245186 **Elevation (ft):** 350

PLSS: T11S, R19E, Sec. 14 (M) **Acres:** 0.0

Location: NORTH SIDE OF AVENUE 15, 1.2 MILES EAST OF ROAD 36-1/2, 5 MILES WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location:

Ecological:

General: COLLECTION #RS-94-03, DEPOSITED AT DFG-IFD.

Owner/Manager: UNKNOWN

Occurrence No.	114	Map Index: 33338	EO Index: 23155	Element Last Seen: 1995-04-04
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1995-04-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1996-06-07

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96913 / -119.82762 **Accuracy:** 80 meters

UTM: Zone-11 N4095185 E248279 **Elevation (ft):** 370

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 0.0

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.

Detailed Location: 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. HYLIA REGILLA, SCAPHIOPUS HAMMONDI AND BRANCHINECTA LYNCHI ALSO PRESENT AT THIS SITE.

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



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Occurrence No.	121	Map Index:	14592	EO Index:	29256	Element Last Seen:	1993-02-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1993-02-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-06	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96855 / -119.84268 **Accuracy:** nonspecific area

UTM: Zone-11 N4095160 E246936 **Elevation (ft):** 375

PLSS: T11S, R19E, Sec. 13 (M) **Acres:** 127.6

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.

Detailed Location: SAMPLED 2 POOLS IN A SERIES.

Ecological: CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.

General: LINDERIELLA CO-OCCURS WITH BRANCHINECTA LYNCHI IN BOTH POOLS; AMBYSTOMA CALIFORNIENSE AND SCAPHIOPUS HAMMONDII PRESENT LATER IN SPRING OF 1993.

Owner/Manager: PVT

Occurrence No.	266	Map Index:	67497	EO Index:	67662	Element Last Seen:	1992-03-11
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1992-03-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-12-22	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94816 / -119.79410 **Accuracy:** 80 meters

UTM: Zone-11 N4092769 E251195 **Elevation (ft):** 400

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: JUST WEST OF STATE ROUTE 41 AND 1.7 MILES NORTH OF AVENUE 12, 7 MILES NORTH OF PINEDALE.

Detailed Location: POOL #C211IS LOCATED 50 FEET WEST OF STATE ROUTE 41. LOCATION MAPPED ACCORDING TO LOCATION SHOWN ON A MAP.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOL DOMINATED BY ERYNGIUM VASEYI. SPEA HAMMONDII AND ORCUTTIA INAEQUALIS ALSO IN AREA.

General: UNKNOWN NUMBER OF ADULTS OBSERVED IN ONE POOL ON 11 MARCH 1992.

Owner/Manager: UNKNOWN



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Occurrence No.	361	Map Index:	72190	EO Index:	73229	Element Last Seen:	2004-03-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-15	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.99505 / -119.79864 **Accuracy:** 80 meters

UTM: Zone-11 N4097986 E250943 **Elevation (ft):** 423

PLSS: T11S, R20E, Sec. 09 (M) **Acres:** 0.0

Location: EAST SIDE OF MADERA CANAL AT MILEPOST 009.17, 0.14 CANAL MILES NE OF LITTLE DRY CREEK, & 0.25 MILES WEST OF HWY 41.

Detailed Location: MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID MAC-R-009.17.1.

Ecological: HABITAT DESCRIBED AS A "SMALL LINEAR ROAD-SIDE DITCH, CLEAR WATER, EMERGENT RUMEX, JUCUS SP., ALSO SILYBUM, MIMULUS, GRASSES, AND LACTUCA."

General: 6 MALES & 1 FEMALE OBSERVED ON 18 MAR 2004 BY D. NEWMAN.

Owner/Manager: USBOR

Occurrence No.	362	Map Index:	72276	EO Index:	73230	Element Last Seen:	2004-03-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-15	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.97229 / -119.78936 **Accuracy:** 80 meters

UTM: Zone-11 N4095436 E251695 **Elevation (ft):** 432

PLSS: T11S, R20E, Sec. 16 (M) **Acres:** 0.0

Location: EAST SIDE OF MADERA CANAL AT MILEPOST 007.33, 0.45 MILES NORTHEAST OF HWY 41 AT AVE 15, WEST SIDE OF LITTLE TABLE MT.

Detailed Location: MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID MAC-R-007.33.1.

Ecological: HABITAT DESCRIBED AS A LARGE, TURBID VERNAL POOL ALONG FENCELINE, W/ CATTLE DISTURBANCE. NON-NATIVE EMERGENT GRASSES INCL VICIA, AMSINCKIA, SONCHUS, LACTUCA, RUMEX, LUPINUS, TRIFOLIUM, BROMUS DIANDRUS, MIMULUS, LASTENIA & 2 UNKNOWN GRASSES.

General: 1 MALE OBSERVED ON 18 MAR 2004 BY D. NEWMAN.

Owner/Manager: USBOR



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Occurrence No.	363	Map Index:	72216	EO Index:	73233	Element Last Seen:	2004-03-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-15	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.94810 / -119.69563 **Accuracy:** specific area

UTM: Zone-11 N4092511 E259965 **Elevation (ft):** 477

PLSS: T11S, R21E, Sec. 29 (M) **Acres:** 23.0

Location: FRIANT-KERN CANAL, 1 AIR MI NW TO 1 AIR MI WNW OF THE CROSSING OF THE CANAL AT AUBERRY RD, 2.7 MI SSW OF FRIANT PO.

Detailed Location: SERIES OF 5 POOLS ALONG CANAL'S E SIDE. L. OCCIDENTALIS OBSERVED IN MIDDLE POOL ONLY AT MILEPOST 003.95; POOL ID FKC-L-003.95.1. MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE.

Ecological: HABITAT DESCRIBED AS A SOMEWHAT TURBID VERNAL POOL, ABOUT 35FT FROM FENCE & <1 FT FROM RD; VEG = ERYNGIUM SP & TRIPHYSERIA ERIANTHA.

General: 1 MALE OBSERVED ON 10 MAR 2004 BY G. BASSO.

Owner/Manager: USBOR, PVT

Occurrence No.	364	Map Index:	72278	EO Index:	73234	Element Last Seen:	2004-03-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-15	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.89846 / -119.64969 **Accuracy:** 80 meters

UTM: Zone-11 N4086888 E263903 **Elevation (ft):** 642

PLSS: T12S, R21E, Sec. 11 (M) **Acres:** 0.0

Location: S SIDE FRIANT-KERN CANAL @ MILEPOST 009.40, 235 METERS W OF CANAL BRIDGE, 2.7 MI NW OF COLLINS (HWY 168 @ THOMPSON AVE).

Detailed Location: MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE. POOL ID FKC-R-009.40.1.

Ecological: HABITAT DESCRIBED AS A MUDDY "WALLOW" ALONG FENCELINE, W/ MANY HOOV PRINTS, & VERY TURBID WATER.

General: CALIFORNIA FAIRY SHRIMP NOTED AS PRESENT ON 10 MAR 2004 BY D. NEWMAN.

Owner/Manager: USBOR



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Occurrence No.	365	Map Index:	72280	EO Index:	73235	Element Last Seen:	2005-02-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2005-02-23
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-09-15

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.89482 / -119.63740 **Accuracy:** specific area

UTM: Zone-11 N4086453 E264987 **Elevation (ft):** 465

PLSS: T12S, R21E, Sec. 13 (M) **Acres:** 9.0

Location: FRIANT-KERN CANAL @ MILEPOSTS 010.17, 010.24 (E OF BRIDGE), 2.4MI S OF OWENS MT, 1.1MI NE OF N DEWOLF AVE @ BEHYMER AVE.

Detailed Location: SERIES OF TWO POOLS; WEST POOL ON SOUTH SIDE OF CANAL (POOL IDS FKC-R-010.17.1) AND EAST POOL ON NORTH SIDE OF CANAL (ID FKC-L-010.24.1). MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE.

Ecological: WEST POOL: CLEAR POOL W/ JUNCUS SP, & GRASSES IN SURROUNDING AREA. EAST POOL: TEA COLORED & VERY DEEP (2005); AND VERY CLEAR, LONG & NARROW VERNAL POOL WITH LOTS OF EMERGENT VEG (2004).

General: CALIFORNIA FAIRY SHRIMP NOTED AS PRESENT IN WEST POOL ON 10 MAR 2004 BY D. NEWMAN, AND NOTED AS PRESENT IN EAST POOL ON 23 FEB 2005 BY F. VANG.

Owner/Manager: USBOR

Desmocerus californicus dimorphus

Element Code: IICOL48011

valley elderberry longhorn beetle

Listing Status: Federal: Threatened

CNDDB Element Ranks: Global: G3T2

State: None

State: S2

Other:

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

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

Occurrence No.	70	Map Index:	33007	EO Index:	4066	Element Last Seen:	1991-05-01
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			1991-05-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1998-08-11

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.67840 / -119.53215 **Accuracy:** 80 meters

UTM: Zone-11 N4062184 E273732 **Elevation (ft):** 330

PLSS: T14S, R22E, Sec. 25 (M) **Acres:** 0.0

Location: COLLINS CREEK, TRIBUTARY TO KINGS RIVER, IN THE VICINITY OF CHANNEL ROAD, ~2 MILES SE OF SANGER.

Detailed Location: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.

Ecological: HABITAT CONSISTS OF DENSE RIPARIAN WOODLAND WITH OAKS, COTTONWOODS, AND ELDERBERRIES.

General: BOTH OLD AND RECENT EXIT HOLES FOUND IN SEVERAL LARGE, OLD ELDERBERRIES.

Owner/Manager: PVT



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Occurrence No.	134	Map Index:	39385	EO Index:	34387	Element Last Seen:	1989-05-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1989-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-11	

Quad Summary: Herndon (3611978)

County Summary: Fresno

Lat/Long: 36.84800 / -119.90599 **Accuracy:** 1/10 mile

UTM: Zone-11 N4081953 E240891 **Elevation (ft):** 225

PLSS: T12S, R19E, Sec. 33 (M) **Acres:** 0.0

Location: SAN JOAQUIN RIVER MILE 245, ~1 MILE NE OF HERNDON, DOWNSTREAM OF THE ATCHISON TOPEKA AND SANTA FE RAILROAD CROSSING.

Detailed Location: RIPARIAN STRIP BETWEEN SAN JOAQUIN RIVER AND RIVERSIDE GOLF COURSE. (1970 RECORD ADDED FOR SITE IS DESCRIBED SOLELY AS HERNDON)

Ecological: ELDERBERRY HABITAT PRESENT

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

Occurrence No.	135	Map Index:	39388	EO Index:	34390	Element Last Seen:	1992-03-XX
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1992-03-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1999-06-22	

Quad Summary: Lanes Bridge (3611987)

County Summary: Fresno, Madera

Lat/Long: 36.88429 / -119.79248 **Accuracy:** nonspecific area

UTM: Zone-11 N4085678 E251132 **Elevation (ft):** 270

PLSS: T12S, R20E, Sec. 16 (M) **Acres:** 250.2

Location: ALONG HWY 41 NORTH OF LANES BRIDGE, WEST OF THE SAN JOAQUIN RIVER, NORTH OF PINEDALE

Detailed Location: RIPARIAN STRIP BETWEEN TURF FARM AND THE RIVER.

Ecological: HABITAT CONSISTS OF RIPARIAN, WHICH INCLUDES AN UNDERSTORY OF ELDERBERRY PLANTS.

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



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Occurrence No.	167	Map Index:	39533	EO Index:	34535	Element Last Seen:	1989-04-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1989-04-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-25	

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.70086 / -119.50636 **Accuracy:** specific area

UTM: Zone-11 N4064616 E276102 **Elevation (ft):** 345

PLSS: T14S, R23E, Sec. 19 (M) **Acres:** 41.1

Location: KINGS RIVER, 0.25 MILE NE OF ANNADALE AND RIVERBEND AVENUES, 2.8 MILES EAST OF SANGER.

Detailed Location: RIPARIAN, GRAVEL MINING PITS/PONDS.

Ecological: RIPARIAN WITH ELDERBERRY HABITAT PRESENT.

General: 1 FEMALE LAYING EGGS OBSERVED BUT NOT COLLECTED. EGGS AND EMERGENCE HOLES ON ONE ELDERBERRY NOTED.

Owner/Manager: UNKNOWN

Occurrence No.	168	Map Index:	39534	EO Index:	34536	Element Last Seen:	1990-06-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1990-06-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-25	

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.69427 / -119.52570 **Accuracy:** 80 meters

UTM: Zone-11 N4063930 E274355 **Elevation (ft):** 340

PLSS: T14S, R22E, Sec. 24 (M) **Acres:** 0.0

Location: ALONG CHANNEL ROAD, 0,5 MILE SOUTH OF ANNADALE AVE INTERSECTION, 1.9 MILES SE OF SANGER.

Detailed Location:

Ecological: ELDERBERRY AND OAK FOREST ALONG ROAD.

General: MANY ELDERBERRIES ALONG ROAD. A FEW ELDERBERRY TREES WITH EMERGENCE HOLES. NO ADULTS OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No.	178	Map Index:	40240	EO Index:	35242	Element Last Seen:	1998-04-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1998-04-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-11-24	

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.70507 / -119.51215 **Accuracy:** specific area

UTM: Zone-11 N4065097 E275597 **Elevation (ft):** 256

PLSS: T14S, R23E, Sec. 19 (M) **Acres:** 8.6

Location: TRANSMISSION LINES, 0.4 MILE N OF INTERSECTION OF RIVERBEND & ANNADALE AVES & KINGS RIVER, 2.5 MILES E OF SANGER.

Detailed Location: EXIT HOLE FOUND IN DEAD WOOD 650 FEET NORTHEAST OF TOWER 33/167. POTENTIAL HABITAT (OTHER AVAILABLE PLANTS) FROM 423 TO 650 FEET NE OF TOWER.

Ecological: RIPARIAN

General: EXIT HOLES FOUND IN DEAD WOOD.

Owner/Manager: UNKNOWN



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Occurrence No.	179	Map Index: 40241	EO Index: 35243	Element Last Seen: 1998-04-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1998-04-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-11-24

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.70191 / -119.51709 **Accuracy:** specific area

UTM: Zone-11 N4064757 E275147 **Elevation (ft):** 350

PLSS: T14S, R23E, Sec. 19 (M) **Acres:** 19.2

Location: TRANSMISSION LINES, 0.35 MILE NW OF INTERSECTION RIVERBEND & ANNADALE AVES, & KINGS RIVER, 2.5 MILES E OF SANGER.

Detailed Location: ELDERBERRIESS WITH EXIT HOLES FOUND 289 FT & 180 FT NE; & 112 FT & 52 FT WEST OF TOWER 33/168. POTENTIAL HABITAT (OTHER ELDERBERRY BUSHES) FOUND 102 FT SW; 174, 151 & 62 FT WEST & 30 FT SE OF THE TOWER.

Ecological: AGRICULTURE (ORCHARDS, ROW CROPS, VINEYARD) UNCERTAIN WHICH OF THESE IS AT THIS SITE.

General: EXIT HOLES FOUND IN BOTH LIVE AND DEAD WOOD.

Owner/Manager: UNKNOWN

Occurrence No.	180	Map Index: 40242	EO Index: 35244	Element Last Seen: 1998-04-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1998-04-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-11-24

Quad Summary: Sanger (3611965)

County Summary: Fresno

Lat/Long: 36.68014 / -119.53810 **Accuracy:** 80 meters

UTM: Zone-11 N4062392 E273205 **Elevation (ft):** 332

PLSS: T14S, R22E, Sec. 25 (M) **Acres:** 0.0

Location: ~1 MILE ENE OF JCT CENTRAL & ACADEMY AVES, & 0.4 MILE N OF JCT GOODFELLOW AVE & CHANNEL RD, 2 MILES SE OF SANGER.

Detailed Location: 43 FEET NORTHWEST OF TOWER 35/177.

Ecological: AGRICULTURE (ORCHARDS, ROW CROPS, VINEYARD), UNCERTAIN WHICH OF THESE IS AT THIS SITE.

General: EXIT HOLES FOUND IN LIVE WOOD.

Owner/Manager: UNKNOWN



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<i>Lytta moesta</i>		Element Code: IICOL4C020	
moestan blister beetle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other:		
Habitat:	General: CENTRAL CALIFORNIA.		
	Micro: <input type="checkbox"/>		

Occurrence No.	3	Map Index:	64361	EO Index:	64440	Element Last Seen:	19XX-XX-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:			19XX-XX-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2007-08-22

Quad Summary: Friant (3611986)
County Summary: Fresno, Madera

Lat/Long:	36.98663 / -119.70939	Accuracy:	2/5 mile
UTM:	Zone-11 N4096821 E258861	Elevation (ft):	410
PLSS:	T11S, R21E, Sec. 07 (M)	Acres:	0.0

Location: FRIANT, ABOUT 0.85 MILE SOUTHWEST OF MILLERTON LAKE.
Detailed Location:
Ecological:
General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.
Owner/Manager: UNKNOWN



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<i>Lytta molesta</i>		Element Code: IICOL4C030	
molestan blister beetle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other:		
Habitat:	General: INHABITS THE CENTRAL VALLEY OF CALIFORNIA, FROM CONTRA COSTA TO KERN AND TULARE COUNTIES.		
	Micro: <input type="checkbox"/>		

Occurrence No.	7	Map Index:	14685	EO Index:	22651	Element Last Seen:	19XX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		19XX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-03-30	

Quad Summary: Fresno North (3611977), Lanes Bridge (3611987)
County Summary: Fresno, Madera

Lat/Long:	36.87661 / -119.79181	Accuracy:	1/5 mile
UTM:	Zone-11 N4084824 E251167	Elevation (ft):	275
PLSS:	T12S, R20E, Sec. 21 (M)	Acres:	0.0

Location: LANES BRIDGE, 10 MILES NORTH OF FRESNO.
Detailed Location:
Ecological:
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	Element Last Seen:	19XX-XX-XX
Occ. Rank:	Unknown	Presence:	Possibly Extirpated	Site Last Seen:		19XX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-03-30	

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.77388 / -119.77951	Accuracy:	5 miles
UTM:	Zone-11 N4073392 E251931	Elevation (ft):	360
PLSS:	T13S, R20E, Sec. 27 (M)	Acres:	0.0

Location: FRESNO.
Detailed Location:
Ecological:
General: LOCALITY FROM CALIFORNIA BEETLE PROJECT ONLINE DATABASE; COLLECTION INFORMATION NOT GIVEN. HISTORICAL RECORD; EXACT LOCATION UNKNOWN.
Owner/Manager: UNKNOWN



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<i>Efferia antiochi</i>		Element Code: IIDIP07010	
Antioch efferian robberfly			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1G3
	State: None		State: S1S3
	Other:		
Habitat:	General: KNOWN ONLY FROM CONTRA COSTA AND FRESNO COUNTIES.		
	Micro: <input type="checkbox"/>		

Occurrence No.	2	Map Index: 46277	EO Index: 63436	Element Last Seen:	1954-12-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1954-12-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-12-08
Quad Summary:	Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)				
County Summary:	Fresno				
Lat/Long:	36.77388 / -119.77951		Accuracy:	5 miles	
UTM:	Zone-11 N4073392 E251931		Elevation (ft):	300	
PLSS:	T13S, R20E, Sec. 27 (M)		Acres:	0.0	
Location:	FRESNO.				
Detailed Location:					
Ecological:					
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	Element Last Seen:	1935-10-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1935-10-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-12-08
Quad Summary:	Fresno North (3611977)				
County Summary:	Fresno, Madera				
Lat/Long:	36.85747 / -119.84374		Accuracy:	2/5 mile	
UTM:	Zone-11 N4082837 E246473		Elevation (ft):	260	
PLSS:	T12S, R19E, Sec. 25 (M)		Acres:	0.0	
Location:	SCOUT ISLAND, SAN JOAQUIN RIVER.				
Detailed Location:					
Ecological:					
General:	COLLECTED BY G. WILSON 10 OCT 1935, IN COLLECTION AT CSU FRESNO. PARATYPES.				
Owner/Manager:	UNKNOWN				



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<i>Metapogon hurdi</i>		Element Code: IIDIP08010	
Hurd's metapogon robberfly			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1G3
	State: None		State: S1S3
	Other:		
Habitat:	General: KNOWN ONLY FROM ANTIOCH (DUNES?) AND FRESNO.		
	Micro: <input type="checkbox"/>		

Occurrence No.	2	Map Index:	46277	EO Index:	60267	Element Last Seen:	1922-11-29
Occ. Rank:	Unknown	Presence:	Possibly Extirpated	Site Last Seen:		1922-11-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-02-25	

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.77388 / -119.77951	Accuracy:	5 miles
UTM:	Zone-11 N4073392 E251931	Elevation (ft):	325
PLSS:	T13S, R20E, Sec. 27 (M)	Acres:	0.0

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

<i>Eryngium spinosepalum</i>		Element Code: PDAPI0Z0Y0	
spiny-sepaled button-celery			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2.2
	Other: Rare Plant Rank - 1B.2		
Habitat:	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	Element Last Seen:	1991-05-07
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1991-05-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-10-28	

Quad Summary: Friant (3611986), Millerton Lake West (3711916)
County Summary: Fresno, Madera

Lat/Long:	36.99013 / -119.71142	Accuracy:	1 mile
UTM:	Zone-11 N4097214 E258692	Elevation (ft):	
PLSS:	T11S, R21E, Sec. 07 (M)	Acres:	0.0

Location: FRIANT.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN GENERAL VICINITY OF FRIANT.
Ecological: BEDS OF FORMER WINTER POOLS.
General: OCCURRENCE IS BASED ON A 1928 JEPSON COLLECTION FROM "FRIANT" AND A 1991 REISER COLLECTION FROM "NEAR TABLE MOUNTAIN, WEST OF FRIANT DAM." NEEDS FIELDWORK.
Owner/Manager: UNKNOWN



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Occurrence No.	72	Map Index:	83425	EO Index:	84444	Element Last Seen:	2010-06-29
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2010-06-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-08-02	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94345 / -119.79385			Accuracy:	specific area		
UTM:	Zone-11 N4092247 E251202			Elevation (ft):	405		
PLSS:	T11S, R20E, Sec. 28 (M)			Acres:	1.0		
Location:	~1.1 MI SOUTH OF ROAD 204 ON EAST SIDE OF SR 41, SOUTH OF FOUR CORNERS.						
Detailed Location:	ERYNGIUM SPINOSEPALUM WAS LISTED AS AN ASSOCIATE IN A 2010 O'LEARY FIELD SURVEY FOR ORCUTTIA INAEQUALIS. 2010 CALTRANS DIGITAL DATA ACCOMPANIES THIS FIELD SURVEY; MAPPED BASED ON DIGITAL DATA FOR ORCUTTIA INAEQUALIS.						
Ecological:	POOLS SURROUNDED BY ANNUAL GRASSLAND. BLOOMING ASSOCIATED SPECIES INCLUDED ORCUTTIA INAEQUALIS, EPILOBIUM CLEISTOGAMUM, PSILOCARPHUS BREVISSIMUS, ELEOCHARIS MACROSTACHYA AND LYTHRUM HYSSOPIFOLIA.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2010. DURING THE DRY SEASON OF 2009 SITE WAS UNDER CONSTRUCTION FOR CREATION/RESTORATION/ENHANCEMENT OF VERNAL POOLS. O'LEARY NOTES THAT THIS PLANT MAY LIKELY BE AN INTERMEDIATE WITH E. CASTRENSE.						
Owner/Manager:	CALTRANS						

Occurrence No.	73	Map Index:	83427	EO Index:	84446	Element Last Seen:	2010-06-29
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2010-06-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-08-02	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94770 / -119.79007			Accuracy:	specific area		
UTM:	Zone-11 N4092708 E251552			Elevation (ft):	405		
PLSS:	T11S, R20E, Sec. 28 (M)			Acres:	5.0		
Location:	~0.75 MI SOUTH OF ROAD 204; ON ROAD SIDE AND 0.2 AIR MI EAST OF SR 41, SOUTH OF FOUR CORNERS.						
Detailed Location:	ERYNGIUM SPINOSEPALUM WAS LISTED AS AN ASSOCIATE IN 2010 O'LEARY FIELD SURVEYS FOR ORCUTTIA PILOSA AND O. INAEQUALIS. 2010 CALTRANS DIGITAL DATA ACCOMPANIES THESE FIELD SURVEYS; MAPPED BASED ON DIGITAL DATA FOR BOTH ORCUTTIA SPECIES.						
Ecological:	POOLS SURROUNDED BY ANNUAL GRASSLAND. BLOOMING ASSOCIATED SPECIES INCLUDED ORCUTTIA INAEQUALIS, EPILOBIUM CLEISTOGAMUM, PSILOCARPHUS BREVISSIMUS, ELEOCHARIS MACROSTACHYA AND LYTHRUM HYSSOPIFOLIA.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2010. DURING THE DRY SEASON OF 2009 SITE WAS UNDER CONSTRUCTION FOR CREATION/RESTORATION/ENHANCEMENT OF VERNAL POOLS. O'LEARY NOTES THAT THIS PLANT MAY LIKELY BE AN INTERMEDIATE WITH E. CASTRENSE.						
Owner/Manager:	CALTRANS						

<i>Pseudobahia bahiifolia</i>		Element Code: PDAST7P010	
Hartweg's golden sunburst			
Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G2
	State: Endangered		State: S2
	Other: Rare Plant Rank - 1B.1		
Habitat:	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.		



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Occurrence No.	1	Map Index: 14795	EO Index: 7949	Element Last Seen: 1980-04-03
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 2010-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated: 2011-04-15

Quad Summary: Friant (3611986), Millerton Lake West (3711916)
County Summary: Madera

Lat/Long:	37.00073 / -119.73601	Accuracy:	specific area
UTM:	Zone-11 N4098453 E256536	Elevation (ft):	500
PLSS:	T11S, R20E, Sec. 01 (M)	Acres:	10.0

Location: JUNCTION OF ROAD 206 & ROAD 205; BOTH SIDES OF ROAD 205, ~1.6 AIR MILES WEST OF FRIANT DAM.
Detailed Location: TWO COLONIES MAPPED ACCORDING TO 1991 MAPS BY STEBBINS.
Ecological: VALLEY GRASSLAND ASSOCIATED WITH ERODIUM, BROMUS, BRODIAEA, AND AVENA.
General: S POLY: SEEN IN 1970S. N POLY: <100 PLANTS IN 1980. PLANTS NOT RELOCATED IN 1985, 1986, 1990, 2008, AND 2010. SOME POTENTIAL REMAINS FOR SPECIES TO BE PRESENT UNDER MORE FAVORABLE CONDITIONS IN N POLY. INCLUDES FORMER OCCURRENCE #2.
Owner/Manager: PVT

Occurrence No.	21	Map Index: 14849	EO Index: 7948	Element Last Seen: 2010-04-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2010-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2011-04-15

Quad Summary: Friant (3611986)
County Summary: Fresno

Lat/Long:	36.98760 / -119.70578	Accuracy:	specific area
UTM:	Zone-11 N4096919 E259186	Elevation (ft):	450
PLSS:	T11S, R21E, Sec. 08 (M)	Acres:	64.0

Location: FROM ABOUT 0.5 TO 1.5 AIR MILES SOUTH OF FRIANT DAM, JUST EAST AND SOUTH OF TOWN OF FRIANT.
Detailed Location: WEST OF FRIANT-KERN CANAL. MAPPED AS TWO POLYGONS. NORTHERN POLYGON IS AROUND FRIANT WATER TANK. SOUTHERN POLYGON IS ABOUT 1/2 MILE TO SOUTH.
Ecological: ON TOPS OF ROLLING LOW HILLS IN VALLEY GRASSLAND AND VERNAL POOLS IN ROCKLIN LOAM SOIL. ASSOCIATED WITH BROMUS RUBENS, MUILLA MARITIMA, BROMUS MOLLIS, VULPIA MYUROS, ERODIUM BOTYRS, LUPINUS BICOLOR, AMSINCKIA INTERMEDIA, AND FESTUCA.
General: ~400 PLANTS IN 1984, 150 IN 1987 (LOW PRECIP), 2000 IN 1989, 800 IN 1990, <2500 IN 1992, <1200 IN 1995, UNKNOWN NUMBER IN 2001, 75 ALONG POWER LINE IN E HALF OF N POLY IN 2008. 1000S IN N POLY IN 2010. INCLUDES FORMER OCCURRENCE #22.
Owner/Manager: USBOR, PVT



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Occurrence No.	23	Map Index:	14857	EO Index:	7946	Element Last Seen:	2009-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2009-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-04-25	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97137 / -119.70634 **Accuracy:** specific area

UTM: Zone-11 N4095119 E259085 **Elevation (ft):** 460

PLSS: T11S, R21E, Sec. 17 (M) **Acres:** 16.5

Location: ABOUT ONE AIR MILE SSE OF TOWN OF FRIANT, 0.5 MILE WEST OF THE FRIANT-KERN CANAL.

Detailed Location: TWO COLONIES MAPPED ACCORDING TO A 1984 MAP BY STEBBINS.

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

General: 400 PLANTS OBSERVED IN 1990, 2500 OBSERVED IN 1992 BETWEEN THIS EO AND EO #21 & 24. 600 TOTAL OBSERVED BETWEEN THIS EO AND EO #21 IN 1995. PLANTS NOT RELOCATED IN 2008, POSSIBLY DUE TO LOW RAINFALL. DOCUMENTED AT SITE BETWEEN 2007-2009.

Owner/Manager: PVT

Occurrence No.	24	Map Index:	22190	EO Index:	7945	Element Last Seen:	2009-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2009-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-04-25	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97115 / -119.71578 **Accuracy:** 80 meters

UTM: Zone-11 N4095119 E258243 **Elevation (ft):** 440

PLSS: T11S, R21E, Sec. 18 (M) **Acres:** 0.0

Location: APPROXIMATELY 1 MILE SOUTH OF FRIANT, 0.6 MILE EAST OF GRAVEL PIT.

Detailed Location: NEAR 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, MUILLA MARITIMA, AND LUPINUS BICOLOR.

General: 2500 OBSERVED IN 1992 BETWEEN THIS OCCURRENCE AND OCCURRENCE #21 & #23. BOTANISTS FROM LIVE OAK ASSOCIATES CONDUCTED SURVEYS AND DOCUMENTED PLANTS ON SITE SOMETIME BETWEEN 2007-2009 (VOLLMAR CONSULTING 2010). SITE NOT ACCESSIBLE IN 2010.

Owner/Manager: PVT



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Occurrence No.	25	Map Index: 22861	EO Index: 7944	Element Last Seen:	2010-04-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-04-29

Quad Summary: Friant (3611986), Millerton Lake West (3711916)

County Summary: Madera

Lat/Long: 37.00676 / -119.72646 **Accuracy:** specific area

UTM: Zone-11 N4099098 E257405 **Elevation (ft):** 450

PLSS: T11S, R21E, Sec. 06 (M) **Acres:** 66.0

Location: EAST SIDE OF ROAD 206, FROM ABOUT 1 TO 2 AIR MILES NORTHWEST OF COMMUNITY OF FRIANT.

Detailed Location: MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO MAPS FROM 1991, 2008, AND 2010. NW COLONY: UPPER SLOPE OF ROADBANK IN SE 1/4 SE 1/4 SECTION 36. SE POLYGON: LARGE COLONY OF 7 SUBPOPULATIONS AT THIS SITE.

Ecological: GROWING IN NON-NATIVE VALLEY GRASSLAND ON UPPER SLOPE OF ROAD BANK. ASSOC W/ BROMUS DIANDRUS, B. RUBENS, ESCHSCHOLZIA LOBBII, AMSINCKIA INTERMEDIA, THYSANOCARPUS CURVIPES, ERODIUM BOTRYS, E. CICUTARIUM, GILIA TRICOLOR, LASTHENIA, ETC.

General: NW POLY: 0 PLANTS IN 1981, 80 IN 1990 & 1995, 0 IN 2010. 2 MIDDLE POLYS: 16,000+ IN 1991. SE POLY: EXTENSIVE POP DESPITE DISTURBANCES, ~18,000 IN 1989 & 1990, >10,000 IN 2004, 1,000S IN 2008, TENS OF THOUSANDS IN 2010. INCL FORMER OCC #26.

Owner/Manager: PVT

<i>Tropidocarpum capparideum</i>		Element Code: PDBRA2R010
caper-fruited tropidocarpum		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G1
	State: None	State: S1.1
	Other: Rare Plant Rank - 1B.1, USFS_S-Sensitive	
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND.	
	Micro: ALKALINE CLAY. 0-455M.	

Occurrence No.	22	Map Index: 46277	EO Index: 64783	Element Last Seen:	1930-04-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1930-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-05-19

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.77388 / -119.77951 **Accuracy:** 5 miles

UTM: Zone-11 N4073392 E251931 **Elevation (ft):**

PLSS: T13S, R20E, Sec. 27 (M) **Acres:** 0.0

Location: FRESNO.

Detailed Location: 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.

Ecological:

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

Owner/Manager: UNKNOWN



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<i>Caulanthus californicus</i>		Element Code: PDBRA31010	
California jewel-flower			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G1
	State: Endangered		State: S1
	Other: Rare Plant Rank - 1B.1, USFS_S-Sensitive		
Habitat:	General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON-JUNIPER WOODLAND.		
	Micro: HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH THE CENTRAL VALLEY AND CARRIZO PLAIN. 65-900M.		

Occurrence No.	38	Map Index:	46277	EO Index:	63230	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:			1986-03-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2005-11-09

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.77388 / -119.77951	Accuracy:	5 miles
UTM:	Zone-11 N4073392 E251931	Elevation (ft):	
PLSS:	T13S, R20E, Sec. 27 (M)	Acres:	0.0

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



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Downingia pusilla		Element Code: PDCAM060C0	
dwarf downingia			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 2.2		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.		
	Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.		

Occurrence No.	120	Map Index:	62482	EO Index:	62519	Element Last Seen:	1979-04-26
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1979-04-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-09-06	

Quad Summary:	Friant (3611986)
County Summary:	Fresno

Lat/Long:	36.92310 / -119.70977	Accuracy:	nonspecific area
UTM:	Zone-11 N4089772 E258626	Elevation (ft):	300
PLSS:	T12S, R21E, Sec. 05 (M)	Acres:	35.0

Location:	AUBERRY ROAD, CIRCA 2 MILES NORTH OF COPPER ROAD, ON THE EAST SIDE OF THE ROAD.
Detailed Location:	MAPPED ALONG AUBERRY ROAD APPROXIMATELY 2 MILES NORTH OF COPPER ROAD BY CNDDDB.
Ecological:	VERNAL POOLS WITH MIMULUS TRICOLOR AND PSILOCARPHUS 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 CNDDDB.
Owner/Manager:	UNKNOWN



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<i>Leptosiphon serrulatus</i>		Element Code: PDPLM09130	
Madera leptosiphon			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G1?
	State: None		State: S1?
	Other: Rare Plant Rank - 1B.2, USFS_S-Sensitive		
Habitat:	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	Element Last Seen:	1967-04-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1967-04-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-20

Quad Summary: Friant (3611986), Millerton Lake West (3711916)
County Summary: Fresno

Lat/Long:	37.00344 / -119.67156	Accuracy:	2/5 mile
UTM:	Zone-11 N4098591 E262281	Elevation (ft):	600
PLSS:	T11S, R21E, Sec. 03 (M)	Acres:	0.0

Location: EAST SIDE OF SOUTH BAY OF MILLERTON LAKE.
Detailed Location: 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 SOURCE OF INFORMATION FOR THIS SITE IS A 1967 BRADFORD COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	23	Map Index: 46277	EO Index: 75591	Element Last Seen:	1922-05-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1922-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-20

Quad Summary: Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)
County Summary: Fresno

Lat/Long:	36.77388 / -119.77951	Accuracy:	5 miles
UTM:	Zone-11 N4073392 E251931	Elevation (ft):	
PLSS:	T13S, R20E, Sec. 27 (M)	Acres:	0.0

Location: NEAR FRESNO.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND FRESNO.
Ecological: FOOTHILLS.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1922 MINTHORN COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

<i>Castilleja campestris ssp. succulenta</i>		Element Code: PDSCR0D3Z1	
succulent owl's-clover			
Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G4?T3
	State: Endangered		State: S3
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: MOIST PLACES, OFTEN IN ACIDIC SOILS. 25-750M.		



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Occurrence No.	1	Map Index: 14831	EO Index: 30719	Element Last Seen: 1995-04-25
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 2009-04-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2010-11-16

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.91133 / -119.71542 **Accuracy:** 80 meters

UTM: Zone-11 N4088480 E258086 **Elevation (ft):** 407

PLSS: T12S, R21E, Sec. 06 (M) **Acres:** 0.0

Location: EAST SIDE OF AUBERRY ROAD, ABOUT 1.1 MILES NORTH OF COPPER AVE AND ABOUT 5.5 AIR MILES SOUTH OF FRIANT.

Detailed Location: MAPPED IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 6.

Ecological: SWALE-LIKE VERNAL POOL IN NONNATIVE GRASSLAND. ASSOCIATED WITH MIMULUS TRICOLOR, ERYNGIUM VASEYI, DOWNINGIA SP., PLAGIOBOTHRYIS STIPITATUS, & PSILOCARPHUS BREVISSIMUS. SPADEFOOT TOAD ALSO REPORTED FROM THIS SITE.

General: 12 PLANTS OBSERVED IN 1986, SITE OVERGRAZED IN 1993 AND NO PLANTS FOUND. 20 PLANTS IN 1995. NO PLANTS IN 2009: POOL SEEMS TO BE DELIBERATELY DESTROYED, BUT IT DOES NOT APPEAR TO HAVE BEEN DEEP RIPPED; REMNANT VERNAL POOL SPECIES PRESENT.

Owner/Manager: PVT

Occurrence No.	7	Map Index: 14708	EO Index: 17658	Element Last Seen: 1938-05-17
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen: 1981-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2003-08-05

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.86577 / -119.78070 **Accuracy:** 1/5 mile

UTM: Zone-11 N4083592 E252122 **Elevation (ft):** 350

PLSS: T12S, R20E, Sec. 27 (M) **Acres:** 0.0

Location: FRIANT RD NORTH OF SP RR TRACKS, APPROXIMATELY 1.2 MILES NORTH OF JUNCTION FRIANT RD & BLACKSTONE, HWY 41.

Detailed Location:

Ecological:

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

Owner/Manager: UNKNOWN



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Occurrence No.	14	Map Index:	36544	EO Index:	361	Element Last Seen:	1995-04-15
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1995-04-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-12-22	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96914 / -119.83461 **Accuracy:** specific area

UTM: Zone-11 N4095204 E247656 **Elevation (ft):** 375

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 39.4

Location: NORTH OF AVENUE 15 AT JCT WITH AVENUE 39 1/2, NORTH OF LITTLE DRY CREEK, ABOUT 4.5 MILES WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location: MAPPED WITHIN THE SOUTH 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.

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.	17	Map Index:	14850	EO Index:	21621	Element Last Seen:	1992-04-09
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1992-04-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1994-02-25	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.97077 / -119.70493 **Accuracy:** specific area

UTM: Zone-11 N4095049 E259208 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 17 (M) **Acres:** 15.1

Location: ABOUT ONE AIR MILE SOUTH OF TOWN OF FRIANT.

Detailed Location:

Ecological: VERNAL POOLS ON SANDY TO CLAY LOAM SOILS WITHIN VALLEY GRASSLAND. ASSOCIATED WITH ERYNGIUM, DOWNINGIA, PLAGIOBOTHRYIS, MARSILEA, LASTHENIA, AND MIMULUS TRICOLOR.

General: MORE THAN 1000 INDIVIDUALS IN 1984, ONLY 60 OBSERVED IN 1992.

Owner/Manager: PVT



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Occurrence No.	29	Map Index:	14683	EO Index:	6892	Element Last Seen:	2010-05-19
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2010-05-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-08-24	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.94858 / -119.79170 **Accuracy:** specific area

UTM: Zone-11 N4092810 E251410 **Elevation (ft):** 405

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 38.0

Location: CALTRANS MADERA POOLS MITIGATION SITE; EAST SIDE OF HIGHWAY 41, APPROXIMATELY 0.5 TO 0.9 MILE SOUTH OF ROAD 204.

Detailed Location: OBSERVED IN BOTH NATURAL POOLS AS WELL AS CREATED/RESTORED/ENHANCED POOLS. MAPPED BY CNDDDB AS 8 POLYGONS ACCORDING TO 2010 CALTRANS DIGITAL DATA.

Ecological: IN BASINS OF NORTHERN HARDPAN VERNAL POOLS. ASSOCIATED WITH DOWNINGIA BICORNUTA, ERYNGIUM SP., MIMULUS TRICOLOR, PSILOCARPHUS BREVISSIMUS, PLAGIOBOTHRYIS SP., DESCHAMPسيا DANTHONIOIDES, GLYCERIA OCCIDENTALIS, ETC.

General: 200-400 PLANTS IN 1985, 10 IN 1993, HUNDREDS IN 1995, <20 IN 2009. ~2000 PLANTS OBSERVED IN AN EXTENSIVE SURVEY IN 2010 (NUMBERS INCLUDE PLANTS IN CREATED POOLS). LAND PURCHASED TO PRESERVE VERNAL POOLS AS A RESULT OF HWY 41 REALIGNMENT.

Owner/Manager: CALTRANS

Occurrence No.	32	Map Index:	25122	EO Index:	28381	Element Last Seen:	1991-04-05
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1991-04-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1994-02-25	

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.96195 / -119.71118 **Accuracy:** 80 meters

UTM: Zone-11 N4094086 E258624 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 19 (M) **Acres:** 0.0

Location: 1.5 MILES DUE SOUTH OF FRIANT.

Detailed Location: 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 PSILOCARPHUS.

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



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Occurrence No.	33	Map Index:	25120	EO Index:	6231	Element Last Seen:	1992-04-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2009-04-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-11-08	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.93567 / -119.78684			Accuracy:	specific area		
UTM:	Zone-11 N4091365 E251800			Elevation (ft):	395		
PLSS:	T11S, R20E, Sec. 33 (M)			Acres:	2.0		
Location:	600 METERS EAST OF HIGHWAY 41 AND 0.85 MILE NORTH OF AVENUE 12, NORTHWEST OF THE SAN JOAQUIN RIVER.						
Detailed Location:	TWO VERNAL POOLS ON TERRACE ABOVE AND TO THE SOUTH OF AN INTERMITTENT SWALE (CALTRANS ROUTE 41 NORTH PROJECT - POOLS #5-E-22, 5-E-19). MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 33.						
Ecological:	VERNAL POOLS DOMINATED BY HORDEUM GENICULATA, PLAGIOBOTHRYUS STIPITATUS, LYTHRUM HYSSOPIFOLIA, ERYNGIUM VASEYI, CRASSULA AQUATICA, AND PSILOCARPUS BREVISSIMUS. CASTILLEJA MOSTLY ALONG THE EDGE OF THE POOL.						
General:	20 PLANTS OBSERVED IN WESTERN COLONY AND 3 PLANTS IN EASTERN COLONY IN 1992. NO PLANTS OBSERVED IN 2009; OVERALL SITE QUALITY IS STILL GOOD, ABSENCE OF PLANTS POSSIBLY DUE TO LOW RAINFALL.						
Owner/Manager:	PVT						

Occurrence No.	40	Map Index:	29049	EO Index:	30717	Element Last Seen:	1996-05-04
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1996-05-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-03-20	
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.92871 / -119.72754			Accuracy:	specific area		
UTM:	Zone-11 N4090439 E257062			Elevation (ft):	400		
PLSS:	T11S, R21E, Sec. 31 (M)			Acres:	9.9		
Location:	ABOUT 0.25 MILE EAST OF FRIANT ROAD AND 0.5 MILE SOUTH OF LITTLE DRY CREEK.						
Detailed Location:							
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.						
General:	300 PLANTS IN 1996.						
Owner/Manager:	PVT						

<i>Sagittaria sanfordii</i>	Element Code: PMALI040Q0						
Sanford's arrowhead							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3		
	State:	None		State:	S3		
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive					
Habitat:	General:	MARSHES AND SWAMPS.					
	Micro:	IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.					



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Occurrence No.	3	Map Index: 24423	EO Index: 7075	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-15

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long: 36.82288 / -119.72991 **Accuracy:** nonspecific area

UTM: Zone-11 N4078702 E256514 **Elevation (ft):** 345

PLSS: T13S, R21E, Sec. 06 (M) **Acres:** 39.7

Location: HELM CANAL NEAR BULLARD AVE, CLOVIS.

Detailed Location: NORTHEAST OF CSU FRESNO RODEO GROUNDS.

Ecological: GROWING IN A CANAL.

General: MORE INFORMATION NEEDED ON THE CONDITION AND HABITAT OF THIS POPULATION.

Owner/Manager: UNKNOWN

Occurrence No.	4	Map Index: 24425	EO Index: 7071	Element Last Seen:	1954-05-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-26

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.86067 / -119.78267 **Accuracy:** 2/5 mile

UTM: Zone-11 N4083031 E251930 **Elevation (ft):** 360

PLSS: T13S, R20E, Sec. 27 (M) **Acres:** 0.0

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

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

Ecological:

General: AREA SEARCHED BY C. 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	Element Last Seen:	1958-10-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-07-27

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long: 36.79405 / -119.79838 **Accuracy:** 80 meters

UTM: Zone-11 N4075679 E250313 **Elevation (ft):** 310

PLSS: T13S, R20E, Sec. 16 (M) **Acres:** 0.0

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

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

Ecological: GROWING IN A CANAL.

General: AREA SEARCHED BY C. 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



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Occurrence No.	6	Map Index: 24428	EO Index: 7070	Element Last Seen:	1953-09-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-15
Quad Summary:	Fresno North (3611977)				
County Summary:	Fresno				
Lat/Long:	36.83710 / -119.86242		Accuracy:	1/5 mile	
UTM:	Zone-11 N4080626 E244740		Elevation (ft):	320	
PLSS:	T12S, R19E, Sec. 35 (M)		Acres:	0.0	
Location:	HERNDON AVE AT BRAWLEY AVE, APPROXIMATELY 3 MILES WEST OF PINECREST.				
Detailed Location:	EXACT SITE UNKNOWN, SEVERAL CANALS IN AREA MAY PROVIDE APPROPRIATE HABITAT.				
Ecological:					
General:	AREA SEARCHED BY C. 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				
Occurrence No.	7	Map Index: 24427	EO Index: 7069	Element Last Seen:	1953-06-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-26
Quad Summary:	Fresno North (3611977)				
County Summary:	Fresno				
Lat/Long:	36.80818 / -119.84118		Accuracy:	1/5 mile	
UTM:	Zone-11 N4077360 E246539		Elevation (ft):	310	
PLSS:	T13S, R20E, Sec. 07 (M)		Acres:	0.0	
Location:	DITCH UNDER SANTA FE RAILROAD AT SHAW AVE, FRESNO.				
Detailed Location:	LOCATED IN DITCH SIPHON.				
Ecological:	GROWING IN A DITCH.				
General:	AREA SEARCHED BY C. 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				
Occurrence No.	38	Map Index: 30074	EO Index: 18565	Element Last Seen:	1993-09-23
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1993-09-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-08-03
Quad Summary:	Clovis (3611976)				
County Summary:	Fresno				
Lat/Long:	36.79330 / -119.74407		Accuracy:	80 meters	
UTM:	Zone-11 N4075456 E255157		Elevation (ft):	325	
PLSS:	T13S, R20E, Sec. 24 (M)		Acres:	0.0	
Location:	LEAKY ACRES GROUNDWATER RECHARGE BASIN, SOUTH OF ASHLAN AVE & WEST OF SIERRA VISTA AVE, FRESNO.				
Detailed Location:	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.				
General:	MORE THAN 100 PLANTS OBSERVED IN 1993. EMERGENT VEGETATION IS SCARCE AT THIS SITE.				
Owner/Manager:	CITY OF FRESNO				



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<i>Imperata brevifolia</i>		Element Code: PMPOA3D020	
California satintail			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2.1
	Other: Rare Plant Rank - 2.1, USFS_S-Sensitive		
Habitat:	General: COASTAL SCRUB, CHAPARRAL, RIPARIAN SCRUB, MOJAVEAN SCRUB, MEADOWS AND SEEPS (ALKALI).		
	Micro: MESIC SITES, ALKALI SEEPS, RIPARIAN AREAS. 0-500M.		

Occurrence No.	22	Map Index:	46277	EO Index:	69854	Element Last Seen:	1893-07-31
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1893-07-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-04-26	
Quad Summary:	Malaga (3611966), Fresno South (3611967), Clovis (3611976), Fresno North (3611977)						
County Summary:	Fresno						
Lat/Long:	36.77388 / -119.77951		Accuracy:	5 miles			
UTM:	Zone-11 N4073392 E251931		Elevation (ft):	300			
PLSS:	T13S, R20E, Sec. 27 (M)		Acres:	0.0			
Location:	FRESNO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS A BEST GUESS AROUND FRESNO.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN 1893 COLLECTION BY WILSON, ET AL. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

<i>Orcuttia pilosa</i>		Element Code: PMPOA4G040	
hairy Orcutt grass			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G1
	State: Endangered		State: S1
	Other: Rare Plant Rank - 1B.1		
Habitat:	General: VERNAL POOLS.		
	Micro: 25-125M.		



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Occurrence No.	28	Map Index:	14519	EO Index:	2301	Element Last Seen:	1986-08-10
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1986-08-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1995-08-10	

Quad Summary: Herndon (3611978)

County Summary: Madera

Lat/Long: 36.87040 / -119.88708 **Accuracy:** specific area

UTM: Zone-11 N4084387 E242653 **Elevation (ft):** 310

PLSS: T12S, R19E, Sec. 22 (M) **Acres:** 9.6

Location: VERNAL POOL NORTHEAST OF INTERSECTION OF AVENUE 8 AND ROAD 36, APPROX. 3 AIR MILES NORTHEAST OF HERNDON.

Detailed Location: 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.

General: 200 PLANTS OBSERVED IN 1986. OWNER WILL ALLOW ACCESS FOR FUTURE STUDIES.

Owner/Manager: PVT

Occurrence No.	29	Map Index:	36530	EO Index:	2303	Element Last Seen:	1986-08-15
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		1992-04-30	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		1997-12-19	

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.95009 / -119.79510 **Accuracy:** 80 meters

UTM: Zone-11 N4092986 E251113 **Elevation (ft):** 410

PLSS: T11S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: WEST OF STATE ROUTE 41, 1.9 MILES NORTH OF INTERSECTION WITH AVENUE 12 AND 5.1 MILES NORTH OF LANES BRIDGE.

Detailed Location: 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.

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 WAS LOST.

Owner/Manager: PVT



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Occurrence No.	45	Map Index:	37744	EO Index:	32752	Element Last Seen:	1995-09-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1995-09-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-12-19	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94091 / -119.79305			Accuracy:	80 meters		
UTM:	Zone-11 N4091962 E251265			Elevation (ft):	400		
PLSS:	T11S, R20E, Sec. 28 (M)			Acres:	0.0		
Location:	EAST SIDE OF HIGHWAY 41 ABOUT 1.2 MILES NORTH OF AVENUE 12, NORTH OF LANES BRIDGE.						
Detailed Location:	JUST NORTH OF EAST-WEST RUNNING TRANSMISSION LINES.						
Ecological:	SWALE-LIKE VERNAL POOL WITHIN NON-NATIVE GRASSLAND. ASSOCIATED WITH DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, AND PLAGIOBOTHRYIS STIPITATUS.						
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						

Occurrence No.	48	Map Index:	83415	EO Index:	84430	Element Last Seen:	2010-06-29
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2010-06-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-07-19	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94797 / -119.78983			Accuracy:	specific area		
UTM:	Zone-11 N4092737 E251574			Elevation (ft):	405		
PLSS:	T11S, R20E, Sec. 28 (M)			Acres:	1.0		
Location:	EAST SIDE OF HIGHWAY 41, APPROXIMATELY 0.9 MILE SOUTH OF ROAD 204, NORTH OF FRESNO.						
Detailed Location:	MAPPED IN THE APPROXIMATE CENTER OF THE NE 1/4 OF SECTION 28 ACCORDING TO 2010 DIGITAL DATA PROVIDED BY CALTRANS.						
Ecological:	LARGE DRY RESTORED SECTION OF VERNAL POOL SURROUNDED BY ANNUAL GRASSLAND. ASSOC W/ EPILOBIUM CLEISTOGAMUM, ORCUTTIA INAEQUALIS, PSILOCARPUS BREVISSIMUS, LYTHRUM HYSSOPIFOLIA, AND ERYNGIUM SPINOSEPALUM (LIKELY INTERMEDIATE W/ E. CASTRENSE).						
General:	2 PLANTS OBSERVED IN 2010. CALTRANS IS IN THE PROCESS OF TRANSFERRING THIS PROPERTY TO DFG. THIS IS A NATURAL POPULATION, BUT IN 2009 THE SITE WAS UNDER CONSTRUCTION FOR THE CREATION, RESTORATION, AND ENHANCEMENT OF VERNAL POOLS AND SWALES.						
Owner/Manager:	CALTRANS						

<i>Orcuttia inaequalis</i>		Element Code: PMPOA4G060
San Joaquin Valley Orcutt grass		
Listing Status:	Federal: Threatened	CNDDB Element Ranks: Global: G1
	State: Endangered	State: S1
	Other: Rare Plant Rank - 1B.1	
Habitat:	General: VERNAL POOLS.	
	Micro: 30-755M.	



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Occurrence No.	21	Map Index: 14687	EO Index: 22388	Element Last Seen:	1927-05-27
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1987-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-06-26

Quad Summary: Fresno North (3611977), Lanes Bridge (3611987)

County Summary: Fresno, Madera

Lat/Long: 36.86226 / -119.79161 **Accuracy:** 1 mile

UTM: Zone-11 N4083231 E251138 **Elevation (ft):** 300

PLSS: T12S, R20E, Sec. 28 (M) **Acres:** 0.0

Location: NEAR LANE'S BRIDGE NEAR FRIANT.

Detailed Location:

Ecological:

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.	22	Map Index: 14887	EO Index: 22386	Element Last Seen:	1976-06-07
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1987-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-09-06

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.90022 / -119.68014 **Accuracy:** 1/5 mile

UTM: Zone-11 N4087158 E261196 **Elevation (ft):** 395

PLSS: T12S, R21E, Sec. 09 (M) **Acres:** 0.0

Location: NORTH OF COPPER AVE, ABOUT 0.5 MILE NORTHWEST OF JUNCTION OF COPPER & ARMSTRONG AVE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB TO ENCOMPASS HISTORIC VERNAL POOLS IN VICINITY ACCORDING TO MAPS FROM 1981 AND 1988.

Ecological:

General: PLANTS SEEN IN 1976, DESPITE DROUGHT. NO PLANTS SEEN IN 1981, 83, 85 OR 87. ACCORDING 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



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Occurrence No.	23	Map Index:	14577	EO Index:	22384	Element Last Seen:	1979-05-15
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:			1987-06-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2011-08-31

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.92605 / -119.85487 **Accuracy:** 1/5 mile

UTM: Zone-11 N4090476 E245709 **Elevation (ft):** 355

PLSS: T11S, R19E, Sec. 36 (M) **Acres:** 0.0

Location: NORTH OF AVENUE 12, EAST OF ROAD 38, 11 MILES ESE OF MADERA.

Detailed Location: IN 4 OF 6 POOLS IN THE SW 40 ACRES OF SECTION 36. MAPPED BY CNDDDB TO ENCOMPASS HISTORIC VERNAL POOLS IN VICINITY ACCORDING TO MAPS FROM 1982 AND 1988.

Ecological:

General: THOUSANDS OF PLANTS OBSERVED IN 1979. THIS SITE HAS BEEN LEVELED AND PLOWED AND WAS IN DRYLAND WHEAT IN 1987 ACCORDING TO STEBBINS.

Owner/Manager: PVT

Occurrence No.	41	Map Index:	36544	EO Index:	6232	Element Last Seen:	1995-09-04
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			1995-09-04
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2008-06-25

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96914 / -119.83461 **Accuracy:** specific area

UTM: Zone-11 N4095204 E247656 **Elevation (ft):** 365

PLSS: T11S, R20E, Sec. 18 (M) **Acres:** 39.4

Location: ALONG NORTH SIDE OF AVENUE 15 ABOUT 0.35 MILE WEST OF ROAD 39 1/2, 4 MILES WEST OF LITTLE TABLE MOUNTAIN.

Detailed Location: 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, PSILOCARPHUS BREVISSIMUS, PLAGIOBOTHRYS, CASTILLEJA CAMPESTRIS VAR. SUCCULENTA, PLAGIOBOTHRYS STIPITATA, AND VULPIA MYUROS.

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



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Occurrence No.	43	Map Index: 36547	EO Index: 2302	Element Last Seen:	2010-06-29
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-06-29
Occ. Type:	Natural/Native occurrence		Trend: Fluctuating	Record Last Updated:	2011-09-12

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long:	36.94625 / -119.79302	Accuracy:	specific area
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UTM:	Zone-11 N4092555 E251285	Elevation (ft):	400
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PLSS:	T11S, R20E, Sec. 28 (M)	Acres:	12.0
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Location: BOTH SIDES OF HIGHWAY 41 FROM ~1.4-2 MILES NORTH OF JUNCTION WITH AVENUE 12, 3 MILES SOUTHWEST OF LITTLE TABLE MOUNTAIN.

Detailed Location: 7 COLONIES TOTAL. W SIDE OF HWY 41: 3 POOLS, CALTRANS POOL #S 210, 213, & 211. E SIDE OF HWY: 4 POOLS, 3 ALONG ROAD AND 1 ~0.2 MI E OF ROAD. A 1973 COLLECTION FROM "8 MI N OF PINEDALE ON HWY 41" ALSO ATTRIBUTED TO THIS SITE.

Ecological: POOLS IN A LARGE DRY-FARMED GRAINFIELD. HIGH TERRACE SITE WITH HARDPAN SOILS MAPPED AS SAN JOAQUIN SANDY LOAM. W/ LYTHRUM HYSSOPIFOLIA, JUNCUS BUFONIUS, HEMIZONIA FITCHII, ERYNGIUM SP., PSILOCARPHUS BREVISSIMUS, DOWNINGIA ORNATISSIMA, ETC.

General: POPULATION NUMBERS ARE FOR PARTS OF OCCURRENCE. W SIDE OF HWY: >1000 PLANTS SEEN IN 1986, >10,000 PLANTS IN 1992, NO PLANTS IN 2009 (DUE TO DROUGHT?). E SIDE OF HWY: ~100 PLANTS SEEN IN 1995 AND ~350 IN 2010. INCLUDES FORMER OCCURRENCE #52.

Owner/Manager: PVT, CALTRANS

Occurrence No.	45	Map Index: 14573	EO Index: 9516	Element Last Seen:	1991-09-11
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2009-09-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-12-16

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long:	36.93331 / -119.85505	Accuracy:	specific area
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UTM:	Zone-11 N4091283 E245717	Elevation (ft):	350
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PLSS:	T11S, R19E, Sec. 36 (M)	Acres:	5.5
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Location: EAST OF MADERA RANCHOS SUBDIVISION, JUST NORTH OF MADERA CANAL, MADERA.

Detailed Location: PLANTS UNDER PG&E POWER LINES IN THE WEST HALF OF THE NW 1/4 OF SECTION 36.

Ecological: LARGE VERNAL POOLS IN ANNUAL GRASSLAND WITH ERYNGIUM VASEYI, TRICHOSTEMA, POLYPOGON, PSILOCARPHUS, AND BROMUS RUBENS.

General: VIGOROUS POPULATION OF APPROXIMATELY 1000 PLANTS IN 1983, 60 PLANTS IN 1986, NONE SEEN IN 1987, 3000 IN 1991. NO PLANTS SEEN IN 2009, PROBABLY DUE TO DROUGHT.

Owner/Manager: PVT



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Occurrence No.	48	Map Index: 24646	EO Index: 6891	Element Last Seen: 1992-06-17
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 1992-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-12-13

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.93595 / -119.79158 **Accuracy:** 80 meters

UTM: Zone-11 N4091408 E251380 **Elevation (ft):** 390

PLSS: T11S, R20E, Sec. 33 (M) **Acres:** 0.0

Location: 0.9 MI N OF AVENUE 12, 0.1 MI E OF HWY 41.

Detailed Location: POOL #5E-28 FOR CALTRANS RTE 41 NORTH PROJECT.

Ecological: LARGE VERNAL POOL IN ANNUAL GRASSLAND WITH ERYNGIUM SP., PSILOCARPHUS BREVISSIMUS, EREMOCARPUS SETIGERUS.

General: FEWER THAN 10 PLANTS IN 1992.

Owner/Manager: PVT

Occurrence No.	53	Map Index: 29049	EO Index: 30718	Element Last Seen: 1996-05-25
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 1996-05-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1997-03-20

Quad Summary: Friant (3611986)

County Summary: Fresno

Lat/Long: 36.92871 / -119.72754 **Accuracy:** specific area

UTM: Zone-11 N4090439 E257062 **Elevation (ft):** 400

PLSS: T11S, R21E, Sec. 31 (M) **Acres:** 9.9

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

Detailed Location:

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

General: 300 PLANTS IN 1996.

Owner/Manager: PVT



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<i>Tuctoria greenei</i>		Element Code: PMPOA6N010	
Greene's tuctoria			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G1
	State: Rare		State: S1
	Other: Rare Plant Rank - 1B.1, USFS_S-Sensitive		
Habitat:	General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: DRY BOTTOMS OF VERNAL POOLS IN OPEN GRASSLANDS. 30-1065M.		

Occurrence No.	17	Map Index: 15131	EO Index: 22351	Element Last Seen:	1956-XX-XX
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1987-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-06-17
Quad Summary:	Sanger (3611965), Round Mountain (3611975)				
County Summary:	Fresno				
Lat/Long:	36.75022 / -119.55597		Accuracy:	1/5 mile	
UTM:	Zone-11 N4070210 E271816		Elevation (ft):	385	
PLSS:	T13S, R22E, Sec. 34 (M)		Acres:	0.0	
Location:	3 MILES NORTH OF SANGER.				
Detailed Location:	MAPPED NEAR INTERSECTION OF BELMONT ROAD AND ACADEMY AVENUE.				
Ecological:	BED OF DRIED POOL.				
General:	SITE ONLY KNOWN FROM 1956 COLLECTION BY HOWELL AND BARNEBY. AREA SURVEYED BY STEBBINS IN 1987, NO PLANTS FOUND; HABITAT ELIMINATED, SITE EXTIRPATED.				
Owner/Manager:	UNKNOWN				

Occurrence No.	22	Map Index: 14941	EO Index: 22344	Element Last Seen:	1937-05-27
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1987-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-07-19
Quad Summary:	Clovis (3611976)				
County Summary:	Fresno				
Lat/Long:	36.85300 / -119.64264		Accuracy:	1/5 mile	
UTM:	Zone-11 N4081825 E264392		Elevation (ft):	405	
PLSS:	T12S, R21E, Sec. 26 (M)		Acres:	0.0	
Location:	5 MILES NORTHEAST OF CLOVIS.				
Detailed Location:	MAPPED IN THE VICINITY OF TOLLHOUSE ROAD AND NEES AVENUE.				
Ecological:					
General:	SITE KNOWN FROM 1937 COLLECTION BY HOOVER (#2317). AREA SEARCHED IN 1981, 1987 BUT NO PLANTS SEEN. ACC TO BIOSYSTEMS ANALYSIS, 1988, NO VERNAL POOL HABITAT REMAINS IN THIS AREA; HABITAT ELIMINATED, SITE EXTIRPATED.				
Owner/Manager:	PVT				