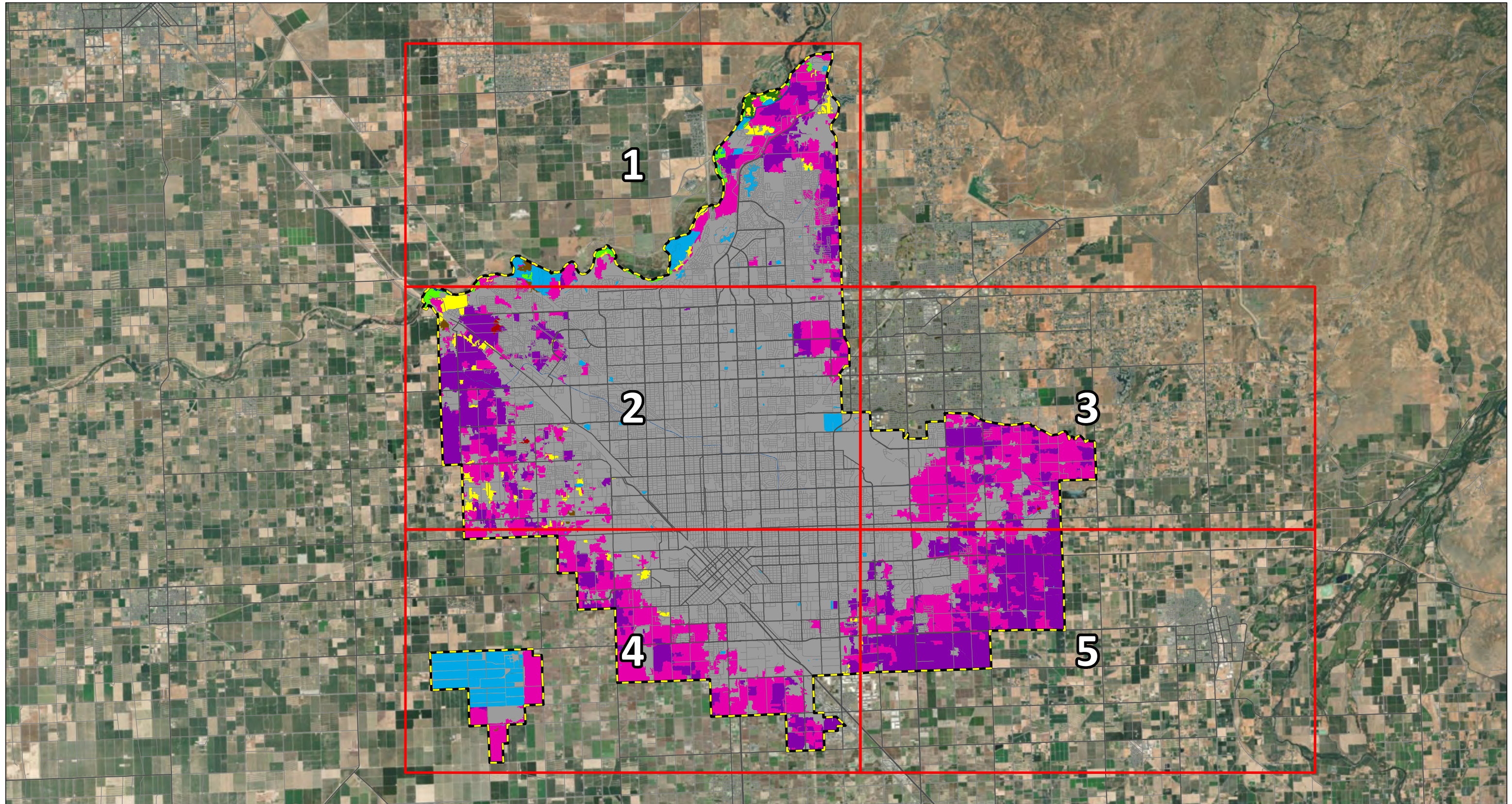

APPENDIX D

BIOLOGICAL RESOURCES

This page intentionally left blank



LSA

LEGEND

Fresno General Plan Planning Area Boundary

Vegetation Communities

Annual Grassland

Barren

Deciduous Orchard

Irrigated Row and Field Crops

Lacustrine

Pasture

Riverine

Urban

Valley Foothill Riparian

Valley Oak Woodland



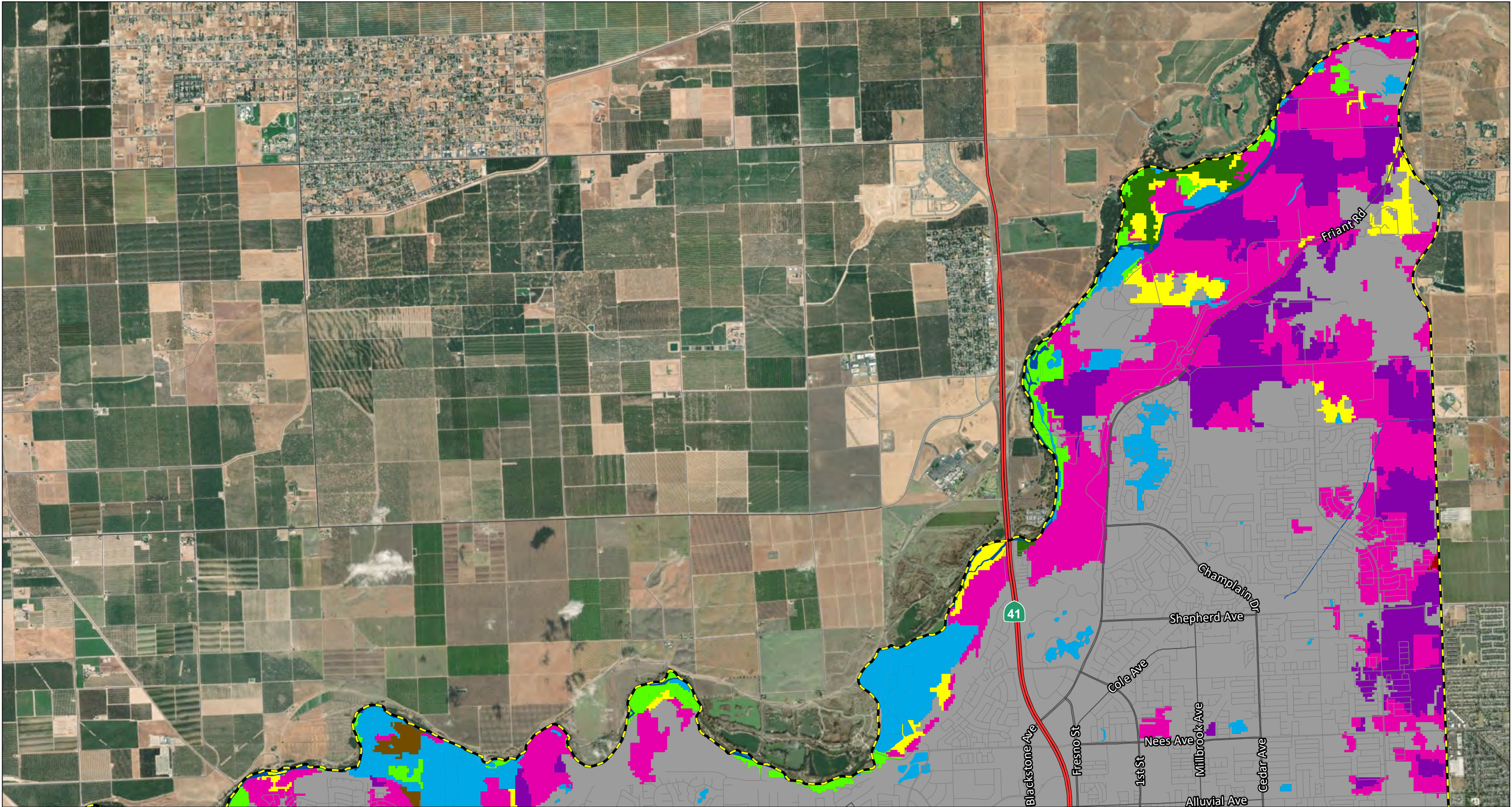
0 1.25 2.5
MILES

SOURCE: Basemap - DigitalGlobe (7/2016; 6/2017; 6/2018); Mapping - USFS Central Valley Vegetation Cover Types (2015)

I:\CFO1802\GIS\Vegetation Communities Exhibit_Index.mxd (9/16/2019)


EXHIBIT 5.4-A

City of Fresno
General Plan and Development Code Update
Master Environmental Impact Report
Vegetation Communities Map Index





LSA


LEGEND


 Fresno General Plan Planning Area Boundary

Vegetation Communities

 Annual Grassland

 Barren

 Deciduous Orchard

 Irrigated Row and Field Crops


 Lacustrine

 Pasture

 Riverine

 Urban

 Valley Foothill Riparian

 Valley Oak Woodland



0 2000 4000
FEET

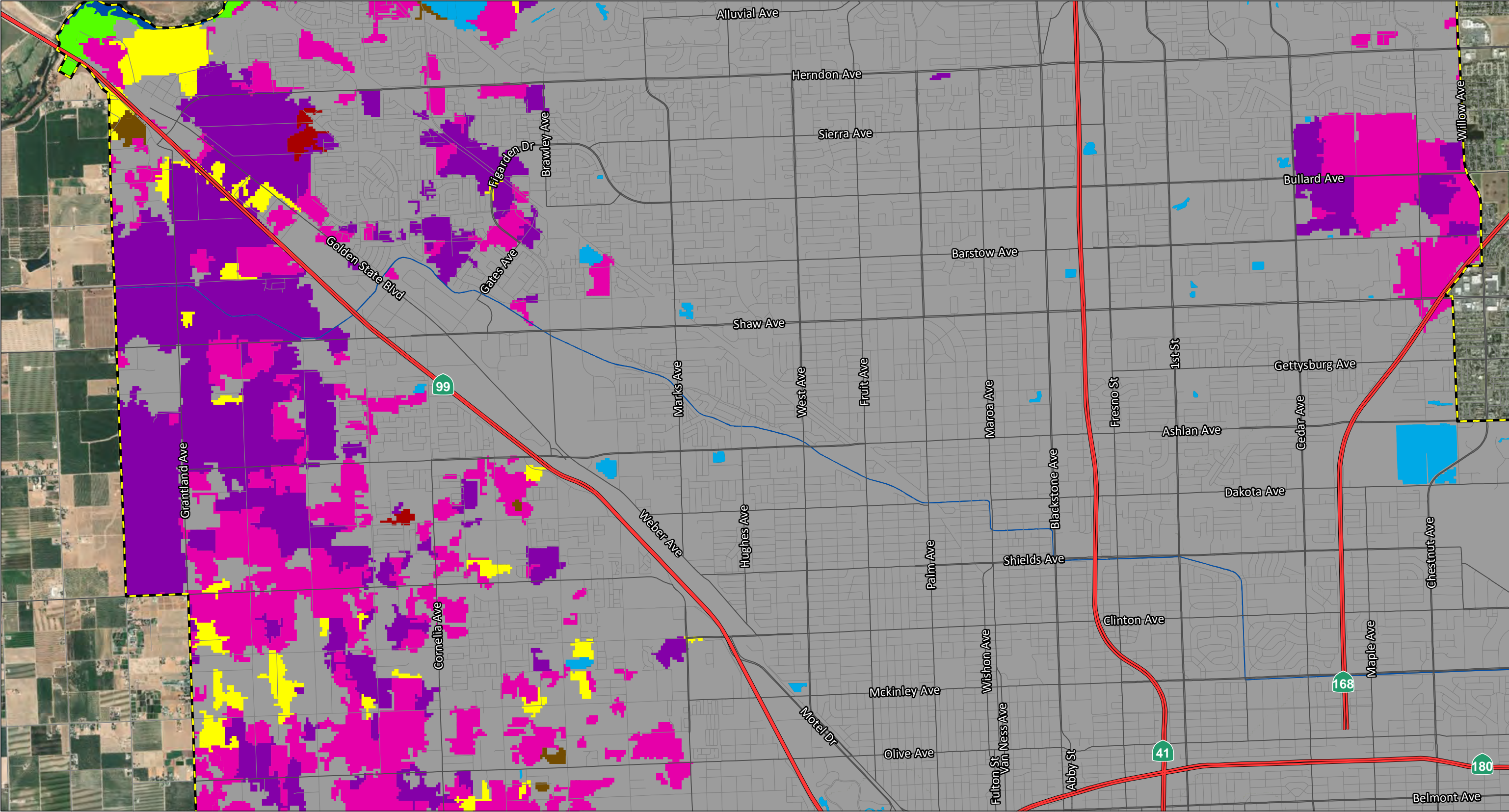
SOURCE: Basemap - DigitalGlobe (7/2016; 6/2017; 6/2018); Mapping - USFS Central Valley Vegetation Cover Types (2015)

I:\CFO1802\GIS\Vegetation Communities Exhibit.mxd (9/16/2019)

EXHIBIT 5.4-B

Page 1 of 5

City of Fresno
General Plan and Development Code Update
Master Environmental Impact Report
Vegetation Communities Map



LSA



0 2000 4000
FEET

LEGEND

Fresno General Plan Planning Area Boundary

Vegetation Communities

Annual Grassland

Barren

Deciduous Orchard

Irrigated Row and Field Crops

Lacustrine

Pasture

Riverine

Urban

Valley Foothill Riparian

Valley Oak Woodland

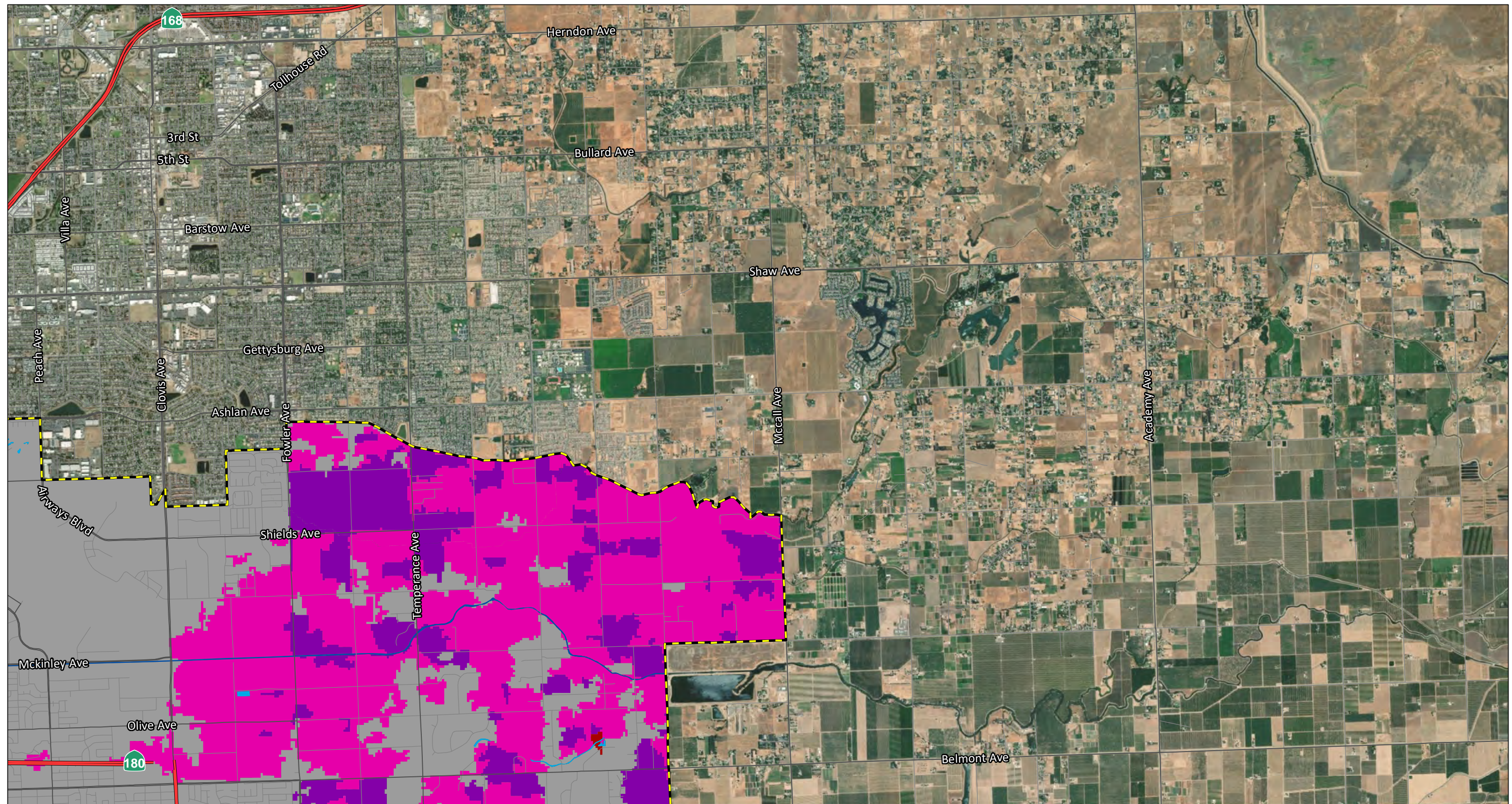
EXHIBIT 5.4-C

Page 2 of 5

City of Fresno
General Plan and Development Code Update
Master Environmental Impact Report
Vegetation Communities Map

SOURCE: Basemap - DigitalGlobe (7/2016; 6/2017; 6/2018); Mapping - USFS Central Valley Vegetation Cover Types (2015)

I:\CFO1802\GIS\Vegetation Communities Exhibit.mxd (9/16/2019)



LSA



0 2000 4000
FEET

LEGEND

Fresno General Plan Planning Area Boundary

Vegetation Communities

Annual Grassland

Barren

Deciduous Orchard

Irrigated Row and Field Crops

Lacustrine

Pasture

Riverine

Urban

Valley Foothill Riparian

Valley Oak Woodland

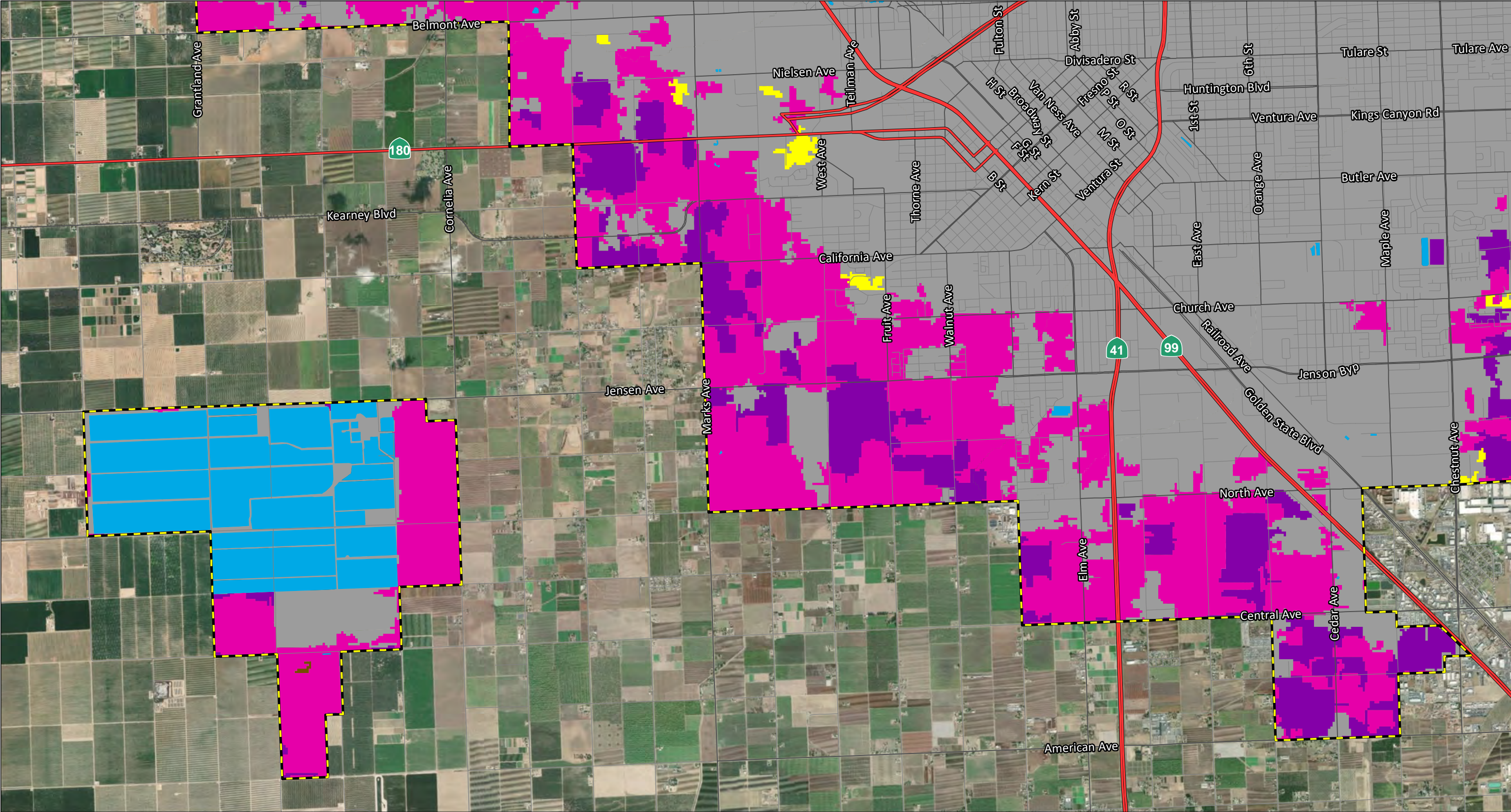
EXHIBIT 5.4-D

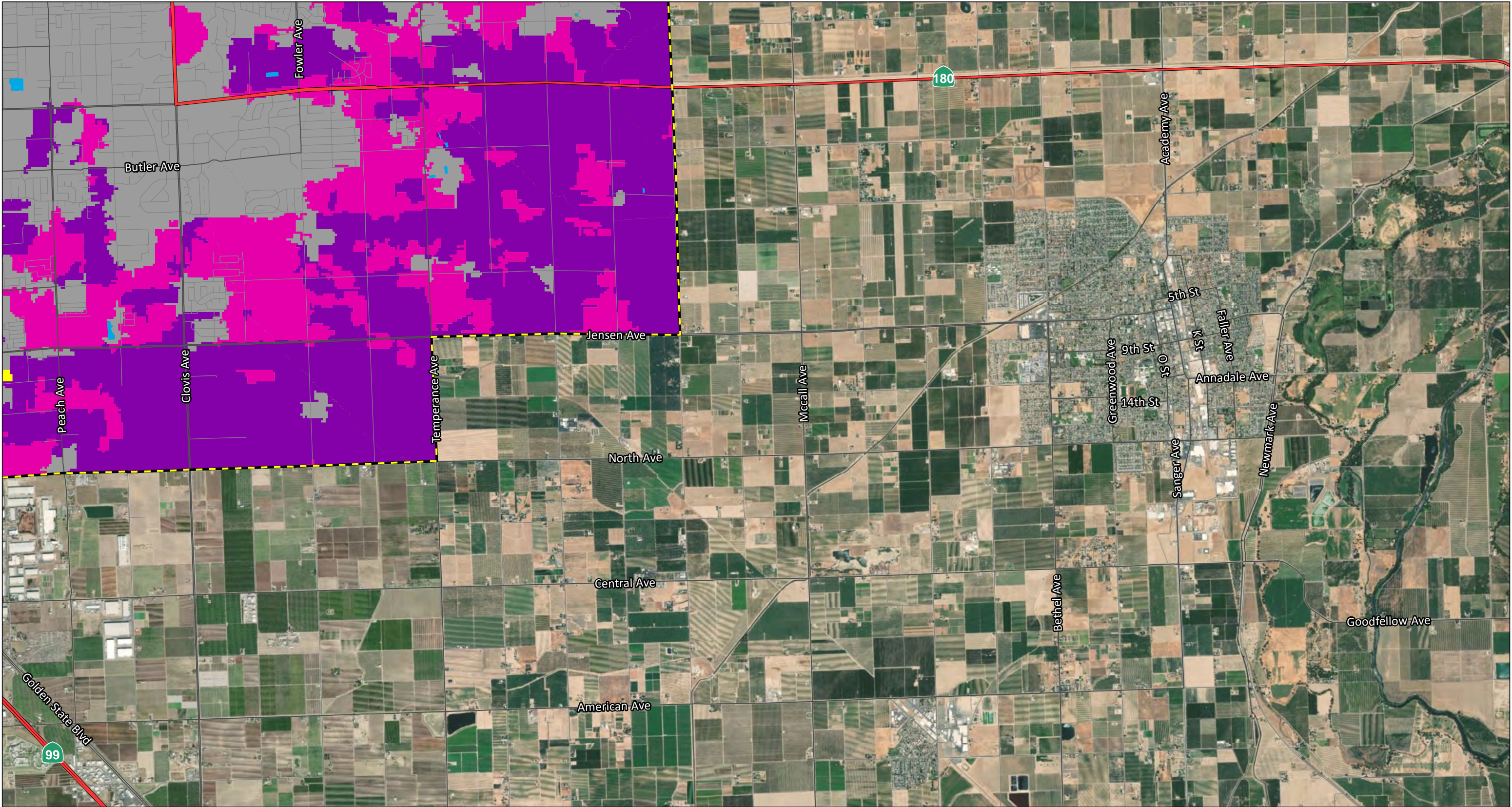
Page 3 of 5

City of Fresno
General Plan and Development Code Update
Master Environmental Impact Report
Vegetation Communities Map

SOURCE: Basemap - DigitalGlobe (7/2016; 6/2017; 6/2018); Mapping - USFS Central Valley Vegetation Cover Types (2015)

I:\CFO1802\GIS\Vegetation Communities Exhibit.mxd (9/16/2019)





LSA

LEGEND

Fresno General Plan Planning Area Boundary

Vegetation Communities

Annual Grassland

Barren

Deciduous Orchard

Irrigated Row and Field Crops

Lacustrine

Pasture

Riverine

Urban

Valley Foothill Riparian

Valley Oak Woodland



0 2000 4000
FEET

SOURCE: Basemap - DigitalGlobe (7/2016; 6/2017; 6/2018); Mapping - USFS Central Valley Vegetation Cover Types (2015)

I:\CFO1802\GIS\Vegetation Communities Exhibit.mxd (9/16/2019)

EXHIBIT 5.4-F

Page 5 of 5

City of Fresno
General Plan and Development Code Update
Master Environmental Impact Report
Vegetation Communities Map



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



Query Criteria: Quad< IS (Little Table Mtn. (3711917) OR Millerton Lake West (3711916) OR Madera (3612081) OR Gregg (3611988) OR Lanes Bridge (3611987) OR Friant (3611986) OR Biola (3612071) OR Herndon (3611978) OR Fresno North (3611977) OR Fresno South (3611967) OR Clovis (3611976) OR Round Mountain (3611975) OR Kerman (3612061) OR Kearney Park (3611968) OR Malaga (3611966) OR Sanger (3611965) OR Raisin (3611958) OR Caruthers (3611957) OR Conejo (3611956))

Ambystoma californiense				Element Code: AAAAA01180	
California tiger salamander					
Listing Status:	Federal:	Threatened	CNDDDB Element Ranks:	Global:	G2G3
	State:	Threatened		State:	S2S3
	Other:	CDFW_WL-Watch List, IUCN_VU-Vulnerable			
Habitat:	General:	CENTRAL VALLEY DPS FEDERALLY LISTED AS THREATENED. SANTA BARBARA AND SONOMA COUNTIES DPS FEDERALLY LISTED AS ENDANGERED.			
	Micro:	NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS, AND VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING.			
Occurrence No.	49	Map Index:	14529	EO Index:	28414
Occ. Rank:	None			Presence:	Possibly Extirpated
Occ. Type:	Natural/Native occurrence			Trend:	Unknown
Quad Summary: Lanes Bridge (3611987), Gregg (3611988), Little Table Mtn. (3711917)					
County Summary: Madera					
Lat/Long:	36.99354 / -119.87261			Accuracy:	nonspecific area
UTM:	Zone-11 N4098014 E244355			Elevation (ft):	383
PLSS:	T11S, R19E, Sec. 11, SE (M)			Acres:	1910.0
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; 0.5 MI NW OF AVE 16 & ROAD 37; & 0.5 MI S AND 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				



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



Occurrence No.	62	Map Index:	32802	EO Index:	32898	Element Last Seen:	1957-02-23
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1957-02-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-09-04
Quad Summary:	Millerton Lake West (3711916), Little Table Mtn. (3711917), O'Neals (3711926), Knowles (3711927)						
County Summary:	Madera						
Lat/Long:	37.10284 / -119.73748				Accuracy:	nonspecific area	
UTM:	Zone-11 N4109788 E256732				Elevation (ft):	1300	
PLSS:	T09S, R20E (M)				Acres:	4550.6	
Location:	SAN JOAQUIN EXPERIMENTAL RANGE, NEAR O'NEALS.						
Detailed Location:	MUSEUM RECORDS REFER TO COLLECTIONS IN PASTURE #6 IN STREAM, UNDER NEST BOX, AND STREAM AT NORTH POND PUMPHOUSE. JENNINGS CONSIDERS THIS LOCATION EXTIRPATED.						
Ecological:							
General:	MVZ SPECIMENS & (DATES): 27482 (2/1/39), 54056 (3/14/51), 54066 & 54073-74 (4/1/51), 55520-21 (11/6&20/51), 55862 (2/22/52). 5 FRESNO STATE COLLEGE (FSC) MUSEUM & FSC PRIVATE COLLECTION SPECIMENS, COLLECTED BETWEEN 11/30/50 & 2/23/57.						
Owner/Manager:	USFS-SAN JOAQUIN EXP RANGE						

Occurrence No.	73	Map Index:	14822	EO Index:	28397	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:	2001-11-30
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.02883 / -119.72515				Accuracy:	1 mile	
UTM:	Zone-11 N4101544 E257593				Elevation (ft):	460	
PLSS:	T10S, R21E, Sec. 30, NW (M)				Acres:	0.0	
Location:	ABOUT 1.5 TO 2.0 MI NNW OF FRIANT ON RD 211, & 0.25 & 0.8 MI WEST OF RD 211. WEST OF MILLERTON LAKE.						
Detailed Location:							
Ecological:	2007 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL NATURAL HABITAT.						
General:	OBSERVED BY J. BRODE FIELD NOTES #184. MVZ 164871-72 COLLECTED BY R. MARLOW & J. BRODE 25 MAR 1973.						
Owner/Manager:	UNKNOWN						

Occurrence No.	74	Map Index:	14778	EO Index:	28396	Element Last Seen:	1983-12-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-12-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-08-21
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.01055 / -119.74277				Accuracy:	nonspecific area	
UTM:	Zone-11 N4099560 E255967				Elevation (ft):	475	
PLSS:	T11S, R20E, Sec. 01 (M)				Acres:	56.2	
Location:	0.1 & 0.8 MI WEST OF JUNCTION OF RDS 211 (AKA RD 145) & 206, WNW OF FRIANT.						
Detailed Location:							
Ecological:							
General:	J. BRODE FIELD NOTES #180 & 182, 28 MAR 1973. MVZ #227101 COLLECTED 26 DEC 1983 BY R. MACEY.						
Owner/Manager:	UNKNOWN						



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



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						

Occurrence No.	90	Map Index:	14700	EO Index:	28382	Element Last Seen:	1973-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1973-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-08
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.10143 / -119.78651				Accuracy:	1/10 mile	
UTM:	Zone-11 N4109759 E252370				Elevation (ft):	1000	
PLSS:	T09S, R20E, Sec. 33, SE (M)				Acres:	0.0	
Location:	POND ON N SIDE OF ROAD 406, 2.3 MI W OF JUNCTION WITH HWY 41, APPROXIMATELY 9 MI NNW OF FRIANT.						
Detailed Location:							
Ecological:	SMALL POND DRAINED BY CREEK. 2007 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL NATURAL HABITAT WITH MINIMAL DISTURBANCE.						
General:	LARVAE OBSERVED BY L. DUNN.						
Owner/Manager:	UNKNOWN						

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, NE (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						



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



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, NE (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						

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, SE (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, HYLIA REGILLA, BRANCHINECTA LYNCHII, & 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						



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



Occurrence No.	96	Map Index:	14515	EO Index:	28379	Element Last Seen:	1983-12-26
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1983-12-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-01-20
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.96910 / -119.89127				Accuracy:	1/5 mile	
UTM:	Zone-11 N4095352 E242611				Elevation (ft):	340	
PLSS:	T11S, R19E, Sec. 15, SW (M)				Acres:	0.0	
Location:	NE OF JUNCTION OF AVENUE 15 AND ROAD 36, APPROXIMATELY 10 AIR MILES WEST OF FRIANT.						
Detailed Location:	INCLUDES 1983 RECORD FROM 5.5 MILES WEST OF HWY 41 ON AVENUE 15.						
Ecological:	1998-2009 AERIAL PHOTO SHOWS THIS AND ADJACENT AREAS (SEC 15 & SEC 21) HAVE UNDERGONE SIGNIFICANT DEVELOPMENT (HOMES W/ LARGE LOTS). HOWEVER, THERE STILL APPEARS TO BE HABITAT IN SURROUNDING AREAS TO THE SOUTH AND WEST (SEC 16 AND SEC 22).						
General:	L. DUNN FIELD NOTES #1 FROM 13 FEB 1974. MVZ #227102 COLLECTED 26 DEC 1983 BY R. MACEY.						
Owner/Manager:	UNKNOWN						

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, SE (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						

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, NE (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						



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



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, SW (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						
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						



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



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, SE (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 PLAGIOBOTHRYSP, BRODIAEA PULCHELLUM, ESCHSCHOLZIA SP, ETC.						
General:	5 JUVENILES OBSERVED IN 1993.						
Owner/Manager:	UNKNOWN						
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, NW (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						



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



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, SE (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						
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, SE (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						



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



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, NE (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 MILE 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 LARVAE 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						

Occurrence No.	305	Map Index:	33052	EO Index:	3660	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:	2009-06-18
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.83817 / -119.56935				Accuracy:	1/5 mile	
UTM:	Zone-11 N4080001 E270883				Elevation (ft):	420	
PLSS:	T12S, R22E, Sec. 33, SE (M)				Acres:	0.0	
Location:	NORTH SIDE OF HERNDON AVENUE, 0.75 MILE WEST OF ACADEMY AVENUE, 6 MILES EAST OF CLOVIS.						
Detailed Location:							
Ecological:	2009 AERIAL PHOTO SHOWS AREA SOUTH OF HERNDON AVENUE IS NOW LOW DENSITY RESIDENTIAL.						
General:	COLLECTION #MW-94-08 AND #MW-94-09, DEPOSITED AT UCD. CAS #199409, LARVA.						
Owner/Manager:	UNKNOWN						

Occurrence No.	319	Map Index:	33071	EO Index:	3684	Element Last Seen:	1994-04-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-09-10
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.05823 / -119.72122				Accuracy:	80 meters	
UTM:	Zone-11 N4104796 E258036				Elevation (ft):	600	
PLSS:	T10S, R21E, Sec. 18, SE (M)				Acres:	0.0	
Location:	NORTH SIDE OF ROAD 208, 0.4 MILE WEST OF ROAD 211, 3 MILES NW OF MILLERTON LAKE.						
Detailed Location:							
Ecological:							
General:	COLLECTION #MW-94-35, DEPOSITED AT DFG-IFD. CAS #199422, LARVA.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	320	Map Index:	33072	EO Index:	3683	Element Last Seen:	2008-01-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-01-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-11
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.00451 / -119.73579				Accuracy:	nonspecific area	
UTM:	Zone-11 N4098872 E256568				Elevation (ft):	490	
PLSS:	T11S, R20E, Sec. 01, NE (M)				Acres:	10.0	
Location:	EAST AND WEST SIDE OF ROAD 206, 0.4 MILE SOUTH OF ROAD 145, 1.5 MILES WEST OF FRIANT DAM (MILLERTON LAKE).						
Detailed Location:							
Ecological:	ANNUAL GRASSLANDS WITH LIGHT-MEDIUM DENSITY CATTLE GRAZING.						
General:	COLLECTION #RS-94-04, DEPOSITED AT DFG-IFD, AND #RS-94-05, DEPOSITED AT UCD. CAS #199423, LARVA. 2008: 1 ADULT FOUND CROSSING THE ROAD AFTER THE START OF HEAVY RAINS, AT ABOUT 10 PM. 5 OTHER ADULTS FOUND DOR.						
Owner/Manager:	UNKNOWN						

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, SW (M)				Acres:	9.7	
Location:	NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILE 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						



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



Occurrence No.	565	Map Index:	46032	EO Index:	46032	Element Last Seen:	2001-04-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-10-03
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01225 / -119.85418				Accuracy:	1/10 mile	
UTM:	Zone-11 N4100040 E246057				Elevation (ft):	455	
PLSS:	T10S, R19E, Sec. 36, SW (M)				Acres:	0.0	
Location:	JUST NORTH OF HIGHWAY 45.						
Detailed Location:	SITE IS LOCATED IN A RIGHT-OF-WAY, NEAR MILE-POST 22.1.						
Ecological:	HABITAT CONSISTS OF A CULVERT POOL IN A RIGHT-OF-WAY AND EXTENDING INTO GRAZED GRASSLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND IN THIS POOL IN 2001.						
General:	~10 LARVAE OBSERVED IN THIS POOL ON 15 APR 2001; POOL DRIED UP BY 7 MAY 2001.						
Owner/Manager:	CALTRANS						

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						

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						



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



Occurrence No.	614	Map Index:	46457	EO Index:	46457	Element Last Seen:	1983-12-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-12-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-11-09
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.10891 / -119.69274			Accuracy:	1/5 mile		
UTM:	Zone-11 N4110347 E260728			Elevation (ft):	1157		
PLSS:	T09S, R21E, Sec. 33, NW (M)			Acres:	0.0		
Location:	ON ROAD 211, 0.9 MI SOUTH OF ROAD 200. ABOUT 6 MILES NORTH OF MILLERTON LAKE.						
Detailed Location:							
Ecological:							
General:	MVZ #227100 COLLECTED BY R. MACEY 26 DEC 1983.						
Owner/Manager:	UNKNOWN						

Occurrence No.	615	Map Index:	46459	EO Index:	46459	Element Last Seen:	1983-12-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-12-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-11-09
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.96654 / -119.92944			Accuracy:	2/5 mile		
UTM:	Zone-11 N4095172 E239203			Elevation (ft):	325		
PLSS:	T11S, R19E, Sec. 20 (M)			Acres:	0.0		
Location:	7.6 MILES WEST OF HWY 41 ON AVENUE 15. NORTHEAST OF THE CONFLUENCE OF COTTONWOOD CREEK & LITTLE DRY CREEK.						
Detailed Location:							
Ecological:	2007 AERIAL PHOTO SHOWS THAT THE AREA SOUTH OF AVENUE 15 HAS BEEN CONVERTED TO AGRICULTURE WHILE THE AREA TO THE NORTH OF AVENUE 15 IS STILL NATURAL.						
General:	MVZ #227103 COLLECTED BY R. MACEY ON 26 DEC 1983.						
Owner/Manager:	UNKNOWN						

Occurrence No.	616	Map Index:	30806	EO Index:	46463	Element Last Seen:	1944-12-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1944-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-11-09
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.96034 / -120.06173			Accuracy:	1 mile		
UTM:	Zone-10 N4094507 E761603			Elevation (ft):	270		
PLSS:	T11S, R17E, Sec. 24 (M)			Acres:	0.0		
Location:	MADERA. NO OTHER LOCATION INFORMATION GIVEN.						
Detailed Location:							
Ecological:							
General:	MVZ #42705 COLLECTED DEC 1944 BY A. HAWBECKER. JENNINGS CONSIDERS THIS LOCATION EXTIRPATED.						
Owner/Manager:	UNKNOWN						



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



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, SE (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						
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, NW (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, 475 FT ELEV" AS A 600 M 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 (2 CM LONG) ON 23 FEB 2005 BY F. VANG, & CONSIDERED EXTREMELY SMALL.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	629	Map Index:	46630	EO Index:	46630	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-11-28
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84168 / -119.53448				Accuracy:	2/5 mile	
UTM:	Zone-11 N4080307 E274004				Elevation (ft):	470	
PLSS:	T12S, R22E, Sec. 35, SE (M)				Acres:	0.0	
Location:	ABOUT 1.4 MILES SOUTHEAST OF INTERSECTION OF FRIANT-KERN CANAL & ACADEMY AVE. EAST OF MADSEN AVE.						
Detailed Location:	CONFLICTING INFORMATION IN THE SOURCE DOCUMENT. MAPPED ACCORDING TO THE T-R-S GIVEN, WHICH IS IN QUAD 3611975 NOT 3611985.						
Ecological:	2009 AERIAL PHOTO SHOWS SOME LOW DENSITY RESIDENTIAL DEVELOPMENT WEST OF MADSEN AVE.						
General:	SURVEY DONE BY BIOSEARCH BUT REPORTED BY LSA. UNKNOWN NUMBER OF LARVAE OBSERVED.						
Owner/Manager:	UNKNOWN						

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, SE (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						

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, SE (M)				Acres:	0.0	
Location:	0.3 MILE 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						



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



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, SW (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, NE (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						



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



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, NE (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, SE (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						



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



Occurrence No.	887	Map Index:	66194	EO Index:	66274	Element Last Seen:	2005-05-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-05-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-12
Quad Summary:	Piedra (3611974), Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.80926 / -119.50036				Accuracy:	specific area	
UTM:	Zone-11 N4076631 E276953				Elevation (ft):	490	
PLSS:	T13S, R23E, Sec. 08, SW (M)				Acres:	2.0	
Location:	0.5 MILE NORTH OF THE WATTS VALLEY ROAD CROSSING OVER FRIANT CANAL, 8 MILES NNE OF SANGER.						
Detailed Location:	MAPPED IN SW1/4 OF SW1/4 OF SECTION 8.						
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLAND. SURROUNDING LAND USE INCLUDES LIVESTOCK GRAZING, ORCHARDS, AND HOMES. 2009 AERIAL PHOTO SHOWS THE AREA IS STILL UNDEVELOPED.						
General:	100'S OF ADULTS AND JUVENILES OBSERVED ON 1 MAY 2005.						
Owner/Manager:	PVT						
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, NW (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						



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



Occurrence No.	904	Map Index:	67524	EO Index:	67689	Element Last Seen:	1992-04-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1992-04-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-01-04
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01346 / -119.79295			Accuracy:	nonspecific area		
UTM:	Zone-11 N4100013 E251510			Elevation (ft):	450		
PLSS:	T10S, R20E, Sec. 33 (M)			Acres:	109.0		
Location:	ALONG STATE ROUTE 41, 1000 FT SOUTH TO 3000 FT NORTH OF STATE ROUTE 145, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	POOL #'S 165 AND 900 LOCATED SOUTH OF STATE ROUTE 145 AND 100 FT EAST OF STATE ROUTE 41. POOL #'S 193, 196, 197, AND 204 LOCATED NORTH OF STATE ROUTE 145 AND 50 FT EAST OF STATE ROUTE 41.						
Ecological:	HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM, PLAGIOBOTHRYUS STIPITATUS, AND LYTHRUM HYSSOIFOLIA.						
General:	LARVAE OBSERVED IN 2 VERNAL POOLS ON 11 MARCH AND 2 VERNAL POOLS ON 1 APRIL DURING 1992.						
Owner/Manager:	PVT						

Occurrence No.	911	Map Index:	68133	EO Index:	68277	Element Last Seen:	2017-06-07
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-18
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.91633 / -119.70465			Accuracy:	specific area		
UTM:	Zone-11 N4089008 E259062			Elevation (ft):	416		
PLSS:	T12S, R21E, Sec. 5, SW (M)			Acres:	23.0		
Location:	ABOUT 0.75 MI NW-0.8 MI NNE OF MARIETTA AVE AT STETSON RD & 1.3-1.9 MI NE OF COPPER AVE AT AUBERRY RD, 5 MI S OF FRIANT.						
Detailed Location:	SALAMANDERS AND LARVAE SALVAGED FROM WORKSITE IN 2016-2017 WERE RELOCATED TO A DESIGNATED RELEASE SITE ON PRIVATE PROPERTY LESS THAN A MILE TO THE SOUTHEAST (OCCURRENCES #1255 & 1258)						
Ecological:	2006: VERNAL POOL LOCATED IN MIDDLE OF A DRY FARMED FIELD. 2016-2017: SITE OF CITY OF FRESNO PIPELINE PROJECT; ADULTS WERE FOUND DURING EXCAVATION & RELOCATED TO PROPERTY TO THE SE; LARVAE FOUND IN SEASONAL POOLS, ALSO RELOCATED.						
General:	5 LARVAE OBSERVED ON 22 FEB 2006. 1 JUVENILE INJURED BY CONSTRUCTION 1 AUG 2016, TREATED & RELOCATED. 1 ADULT FOUND DEAD ON 9 NOV 2016. 27 LARVAE DIPNETTED & RELOCATED MAR 2017. 1 SUBADULT UNEARTHED & RELOCATED 7 JUN 2017.						
Owner/Manager:	PVT						



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



Occurrence No.	1013	Map Index:	71651	EO Index:	72552	Element Last Seen:	2008-04-01
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2008-04-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-07-07	
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.05672 / -119.65994			Accuracy:	80 meters		
UTM:	Zone-11 N4104474 E263481			Elevation (ft):	1160		
PLSS:	T10S, R21E, Sec. 15, SE (M)			Acres:	0.0		
Location:	0.6 MILE EAST OF HULBERT MOUNTAIN, ALONG THE SOUTH SIDE OF HIDDEN LAKE BLVD/ROAD 216, FRIANT.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED UTM COORDINATES.						
Ecological:	HABITAT CONSISTS OF A CREATED POND IN DRAINAGE WITH NO EMERGENT VEGETATION. AREA IS GRASSLAND WITH MEDIUM DENSITY OF TREES, WITH THE POND SHADED BY PINE TREES.						
General:	2- 1" LARVAE WERE FOUND ON 1 APRIL 2008 (PHOTO).						
Owner/Manager:	UNKNOWN						
Occurrence No.	1025	Map Index:	72129	EO Index:	73078	Element Last Seen:	2006-03-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2006-03-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-09-03	
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.02683 / -119.87496			Accuracy:	80 meters		
UTM:	Zone-11 N4101715 E244257			Elevation (ft):	420		
PLSS:	T10S, R19E, Sec. 26, SW (M)			Acres:	0.0		
Location:	MADERA CANAL AT MILEPOST 14.89, 0.9 MILE SW OF ADOBE HILL & NORTH OF HILDRETH CRK, ABOUT 4.6 MILES WNW OF FOUR CORNERS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITE NAME MAC-R-014.89.1.						
Ecological:	HABITAT DESCRIBED AS A TURBID VERNAL POOL WITH LIKELY 100'S OR 1,00'S OF CTS LARVAE. SITE APPEARS TO BE AN OLD DRAINAGE.						
General:	D. NEWMAN OBSERVED ON 9 MAR 2006 THAT THERE WERE LIKELY 100'S OR 1,00'S OF LARVAE PRESENT IN POOL.						
Owner/Manager:	USBOR						



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



Occurrence No.	1026	Map Index:	72130	EO Index:	73079	Element Last Seen:	2006-03-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-03
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.02495 / -119.86997				Accuracy:	80 meters	
UTM:	Zone-11 N4101492 E244694				Elevation (ft):	423	
PLSS:	T10S, R19E, Sec. 35, NW (M)				Acres:	0.0	
Location:	MADERA CANAL AT MILEPOST 14.55, 0.75 MILE SW OF ADOBE HILL & NORTH OF HILDRETH CRK, ABOUT 4.3 MILES WNW OF FOUR CORNERS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITE NAME MAC-R-014.55.1.						
Ecological:	HABITAT DESCRIBED AS A TEA-COLORED VERNAL POOL WITH EMERGENT ERYNGIUM SP. ON NORTH LEG OF POOL, BUT DEEP IN SW CORNER (1 M). "WATER CHEMISTRY SEEMS OUT OF WHACK."						
General:	D. NEWMAN OBSERVED THAT THE DENSITY OF CTS LARVAE (~50) SEEMED LOW ON 9 MAR 2006.						
Owner/Manager:	USBOR						

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, NW (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						



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



Occurrence No.	1030	Map Index:	72148	EO Index:	73115	Element Last Seen:	2006-03-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-03-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-05
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.87410 / -119.59645				Accuracy:	80 meters	
UTM:	Zone-11 N4084054 E268575				Elevation (ft):	469	
PLSS:	T12S, R22E, Sec. 20, SW (M)				Acres:	0.0	
Location:	E SIDE OF FRIANT-KERN CANAL AT MILEPOST 13.93, 0.6 MILE N OF TOLLHOUSE RD (BM 462) ALONG CANAL, 6.6 MILES NE OF CLOVIS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES; POOL ID FKC-L-013.93.1.						
Ecological:	HABITAT DESCRIBED AS A TURBID VERNAL POOL WITH EMERGENT JUNCUS SP.						
General:	AT LEAST ONE OBSERVED ON 21 MAR 2006 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR, PVT						

Occurrence No.	1031	Map Index:	72149	EO Index:	73116	Element Last Seen:	2006-03-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-05
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85612 / -119.57528				Accuracy:	specific area	
UTM:	Zone-11 N4082008 E270408				Elevation (ft):	465	
PLSS:	T12S, R22E, Sec. 28, S (M)				Acres:	8.0	
Location:	FRIANT-KERN CANAL AT MILEPOST 015.68, 0.6 MILE SE OF DOG CREEK, & 1 MILE NW OF BENCH MARK 461, CLOVIS.						
Detailed Location:	TWO POOLS, 1 EACH ON SW & NE SIDES OF CANAL, POOL IDS FKC-R-015.68.2 (SW) & FKC-L-015.68.1 (NE); MAPPED TO PROVIDED COORDINATES IN SHAPEFILE.						
Ecological:	SW POOL: LARGE, SEMI-TURBID VERNAL POOL ALONG FENCELINE. 80% ON PRIVATE PARCEL. NE POOL: TEA-COLORED VERNAL POOL W/ EMERGENT JUNCUS SP; PART OF LARGE VERNAL POOL COMPLEX; MAY BE HYDROLOGICALLY CONNECTED AT HIGHER INUNDATION.						
General:	4 LARVAE CAUGHT IN SWIPE OF SW POOL ON 22 FEB 2005 & NOTED MANY LARVAE IN POOL W/ CTS [ADULTS?] OBS BY K. GARCIA-TOMLINSON (ONLY BRANCHIOPODS IN 2004). AT LEAST ONE OBSERVED IN NE POOL ON 27 MAR 2006 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	1032	Map Index:	72150	EO Index:	73117	Element Last Seen:	2006-03-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-11
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85127 / -119.56001			Accuracy:	specific area		
UTM:	Zone-11 N4081433 E271755			Elevation (ft):	461		
PLSS:	T12S, R22E, Sec. 34, N (M)			Acres:	22.0		
Location:	0.5 MILE WEST & 0.05 MILE EAST OF ACADEMY AVE (BM 461) ALONG THE FRIANT-KERN CANAL, 2.7 MILES SSW OF ACADEMY.						
Detailed Location:	SERIES OF 5 POOLS AT CANAL MILEPOSTS 016.29 (W), 0.16.48 (MID-W), 016.64 (MID), 016.82 (MID-E), & 016.85 (E), W/ POOL IDS FKC-L-016.29.1, FKC-L-016.48.1, FKC-R-016.64.1, FKC-L-016.82.1, & FKC-L-016.85.1, RESPECTIVELY. MAPPED TO SHAPEFILE.						
Ecological:	WEST POOL: TURBID VERNAL POOL W/ JUNCUS SP; CATTLE SALT LICK 40 M AWAY. MID-W POOL: TEA-COLORED VERNAL POOL W/ JUNCUS SP, ALSO VETCH, POPCORN FLOWER, NON-NATIVE GRASSES, LUPINUS, & ERODIUM; BI-SECTED BY RIGHT-OF-WAY; POOL RELATIVELY SMALL.						
General:	IN WEST POOL, LARVAE 6CM LONG W/ EMERGED LEGS OBSERVED; ALSO NOTED COLORATION OF CTS LIGHTER W/ RICH COLOR IN EXTERNAL GILLS. AT LEAST ONE OBSERVED IN MIDDLE-WEST POOL. BOTH POOLS SAMPLED ON 27 MAR 2006 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR, PVT						

Occurrence No.	1033	Map Index:	72251	EO Index:	73201	Element Last Seen:	2008-03-09
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-12
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.04782 / -119.66631			Accuracy:	80 meters		
UTM:	Zone-11 N4103503 E262886			Elevation (ft):	1300		
PLSS:	T10S, R21E, Sec. 22, NE (M)			Acres:	0.0		
Location:	0.4 MI SOUTH OF HULBERT MOUNTAIN AND NE OF THE SAN JOAQUIN RIVER ARM OF MILLERTON LAKE.						
Detailed Location:							
Ecological:	ISOLATED STOCK POND WITH NO EMERGENT VEGETATION. NUMEROUS Hyla REGILLA TADPOLES ALSO PRESENT.						
General:	5 LARVAE OBSERVED 9 MAR 2008. LARVAE ABOUT 0.5 INCHES, NO LIMB DEVELOPMENT.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	1050	Map Index:	72374	EO Index:	73338	Element Last Seen:	2007-12-28
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2007-12-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-23
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84964 / -119.59308			Accuracy:	80 meters		
UTM:	Zone-11 N4081332 E268801			Elevation (ft):	444		
PLSS:	T12S, R22E, Sec. 32, NE (M)			Acres:	0.0		
Location:	0.85 MILE NORTH OF HERNDON AVE AT DEL REY AVE, ABOUT 0.4 MILE EAST OF DOG CREEK.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP. POOL #19.						
Ecological:	HABITAT DESCRIBED AS NON-NATIVE GRASSLAND WITH UNDULATING TOPOGRAPHY, WITH SHEEP GRAZING TO WEST, CATTLE GRAZING TO EAST, AGRICULTURE TO NORTH, AND RESIDENTIAL TO SOUTH.						
General:	CTS LARVAE WERE OBSERVED IN POOL 19 ON 28 DEC 2007 DURING SURVEYS CONDUCTED WINTER 2007-08; 92 POOLS SURVEYED.						
Owner/Manager:	PVT-ESTILL						
Occurrence No.	1051	Map Index:	72376	EO Index:	73339	Element Last Seen:	2007-12-28
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2007-12-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-23
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84469 / -119.58852			Accuracy:	80 meters		
UTM:	Zone-11 N4080771 E269193			Elevation (ft):			
PLSS:	T12S, R22E, Sec. 32, E (M)			Acres:	0.0		
Location:	0.55 AIR MILES NNE OF EAST HERNDON AVE AT NORTH DEL REY AVE, ABOUT 1 MILE EAST OF DOG CREEK, EAST OF CLOVIS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP. POOL #54.						
Ecological:	HABITAT DESCRIBED AS NON-NATIVE GRASSLAND WITH UNDULATING TOPOGRAPHY, WITH SHEEP GRAZING TO WEST, CATTLE GRAZING TO EAST, AGRICULTURE TO NORTH, AND RESIDENTIAL TO SOUTH.						
General:	CTS LARVAE WERE OBSERVED IN POOL 54 ON 28 DEC 2007 DURING SURVEYS CONDUCTED WINTER 2007-08; 92 POOLS SURVEYED.						
Owner/Manager:	PVT-ESTILL						



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



Occurrence No.	1097	Map Index:	78722	EO Index:	79663	Element Last Seen:	2007-07-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-07-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.08666 / -119.83361				Accuracy:	80 meters	
UTM:	Zone-11 N4108244 E248134				Elevation (ft):	900	
PLSS:	T10S, R20E, Sec. 06, SW (M)				Acres:	0.0	
Location:	39485 MILLSTREAM LANE, MADERA.						
Detailed Location:							
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD. THIS HOUSE IS ON 40 ACRES OF OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	ADULT SALAMANDER FOUND IN POOL SKIMMER & RELEASED IN GARDEN 21 JUL 2007. HOMEOWNER SAYS THAT THAY HAVE REMOVED ABOUT 4 SALAMANDERS IN 2 YEARS FROM THEIR POOL.						
Owner/Manager:	PVT						

Occurrence No.	1098	Map Index:	78723	EO Index:	79664	Element Last Seen:	2007-04-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.08806 / -119.82667				Accuracy:	80 meters	
UTM:	Zone-11 N4108380 E248756				Elevation (ft):	870	
PLSS:	T10S, R20E, Sec. 06, SE (M)				Acres:	0.0	
Location:	39828 MILLSTREAM LANE, MADERA.						
Detailed Location:							
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD IN OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	SALAMANDER FOUND WRAPPED AROUND A 5 GALLON WATER-FILLED PLASTIC BUCKET JUST INSIDE THE DOOR OF A LARGE (20 X 30 FT) CEMENT FLOOR, METAL STORAGE BUILDING THAT HAD BEEN HOSED OUT THE NIGHT BEFORE.						
Owner/Manager:	PVT						



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



Occurrence No.	1099	Map Index:	78724	EO Index:	79665	Element Last Seen:	2010-04-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-04-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.08707 / -119.81789				Accuracy:	80 meters	
UTM:	Zone-11 N4108247 E249533				Elevation (ft):	915	
PLSS:	T10S, R20E, Sec. 05, SW (M)				Acres:	0.0	
Location:	40222 MILLSTREAM LANE, MADERA.						
Detailed Location:							
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD. THIS HOUSE IS ON 40 ACRES OF OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	ADULT SALAMANDERS OBSERVED ON PORCH AMONG POTTED PLANTS WHICH GET WATERED DAILY. SALAMANDERS SEEN IN 2005, ON 14 JUN 2006 & 5 APR 2010 (DURING RAIN).						
Owner/Manager:	PVT						

Occurrence No.	1100	Map Index:	78732	EO Index:	79675	Element Last Seen:	2006-10-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-10-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.07368 / -119.80871				Accuracy:	80 meters	
UTM:	Zone-11 N4106738 E250305				Elevation (ft):	750	
PLSS:	T10S, R20E, Sec. 08, SE (M)				Acres:	0.0	
Location:	40515 OAKWOOD ROAD, MADERA.						
Detailed Location:							
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD. THIS HOUSE IS ON 40 ACRES OF OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	ADULT SALAMANDER FOUND, ALL DUSTY, UNDER CLOTHES DRYER. IT WAS TAKEN OUTSIDE AND RELEASED IN THE TALL GRASS BY THE HOUSE.						
Owner/Manager:	PVT						



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



Occurrence No.	1101	Map Index:	78735	EO Index:	79677	Element Last Seen:	2008-06-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.07444 / -119.81834				Accuracy:	80 meters	
UTM:	Zone-11 N4106847 E249451				Elevation (ft):	760	
PLSS:	T10S, R20E, Sec. 08, SW (M)				Acres:	0.0	
Location:	AT HOUSE ON OAKWOOD ROAD, MADERA.						
Detailed Location:	MAPPED TO PROVIDED LAT-LONG COORDINATES.						
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD IN OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	FIRST SALAMANDER WAS FOUND IN DOG'S WATER BOWL ABOUT 6 FT AWAY FROM THE FLOWER BED. SECOND SALAMANDER FOUND IN 6 X 4 FT UNPLANTED FLOWER BED WITH MOIST SOIL SIX DAYS LATER ON 13 JUN 2008.						
Owner/Manager:	PVT						

Occurrence No.	1102	Map Index:	78737	EO Index:	79678	Element Last Seen:	2008-01-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-01-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.05972 / -119.79028				Accuracy:	80 meters	
UTM:	Zone-11 N4105140 E251898				Elevation (ft):	560	
PLSS:	T10S, R20E, Sec. 16, SE (M)				Acres:	0.0	
Location:	ON ROAD 209 ABOUT 1.5 MILES NORTH OF INTERSECTION WITH ROAD 208 (BELLVIEW RD), MADERA.						
Detailed Location:							
Ecological:	SURROUNDING AREA IS GRAZED OAK SAVANNA WITH STOCK PONDS AND VERNAL POOLS. ABOUT 20 YDS FROM ROAD 209 HILDRETH CREEK WAS FLOWING.						
General:	AT 7 PM, DURING A LIGHT RAIN, A SALAMANDER WAS FOUND ALIVE BUT INJURED (LEFT FRONT LEG PARTIALLY AMPUTATED) ON ROAD 209. DFG PICKED IT UP THE NEXT DAY & TOOK IT TO A ZOO FOR CARE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1103	Map Index:	78738	EO Index:	79679	Element Last Seen:	2005-10-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-10-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.09833 / -119.79861				Accuracy:	80 meters	
UTM:	Zone-11 N4109446 E251284				Elevation (ft):	950	
PLSS:	T09S, R20E, Sec. 33, SW (M)				Acres:	0.0	
Location:	41576 ROAD 406, MADERA.						
Detailed Location:							
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD. THIS HOUSE IS ON 20 ACRES OF OAK SAVANNA WITH STOCK PONDS / VERNAL POOLS IN VICINITY.						
General:	THREE SALAMANDERS SEEN BY AND UNDER HORSE WATERING TROUGHS.						
Owner/Manager:	PVT						



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



Occurrence No.	1104	Map Index:	78739	EO Index:	79680	Element Last Seen:	2008-07-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-07-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.07971 / -119.81654				Accuracy:	specific area	
UTM:	Zone-11 N4107426 E249628				Elevation (ft):	780	
PLSS:	T10S, R20E, Sec. 08, NW (M)				Acres:	10.0	
Location:	FOUND AT HOUSES AT 40894 MILLSTREAM LANE AND 40224 ROAD 406, MADERA.						
Detailed Location:	AT 40894 MILLSTREAM LANE SALAMANDERS WERE SEEN UNDER THE DECKING AROUND THE SWIMMING POOL. AT 40224 ROAD 406 SALAMANDERS WERE SEEN JUST AFTER A RAIN WALKING ACROSS THE DIRT DRIVEWAY AND FOUND UNDER THE HOUSE DURING THE SUMMER.						
Ecological:	RURAL RESIDENTIAL NEIGHBORHOOD IN OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	ADULT SALAMANDERS OBSERVED 11 NOV 2006, 14 JUL 2007 AND 27 JUL 2008.						
Owner/Manager:	PVT						

Occurrence No.	1229	Map Index:	A0906	EO Index:	102467	Element Last Seen:	2016-03-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-07-01
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.93149 / -119.79364				Accuracy:	specific area	
UTM:	Zone-11 N4090919 E251182				Elevation (ft):	390	
PLSS:	T11S, R20E, Sec. 33, N (M)				Acres:	9.0	
Location:	EAST SIDE OF HIGHWAY 41, 0.6 MILE NORTH OF ITS INTERSECTION WITH AVENUE 12, NORTH OF FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SOUTH SITE AT "POND 1," NORTH SITE AT "POND 2."						
Ecological:	POND 1: 300' X 150' X 2.5' DEEP, RELATIVELY TURBID, SPARSELY VEGETATED. POND 2: 200X900'X2' DEEP, RELATIVELY TURBID, 50% VEGETATED. PONDS FED BY INLETS FROM NORTH. IN FALLOW OR ACTIVE AGRICULTURAL FIELDS, ADJACENT TO HEAVILY-TRAVELLED ROAD.						
General:	16 LARVAE FOUND ON 9 MAR 2016.						
Owner/Manager:	PVT						



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



Occurrence No.	1236	Map Index:	A2288	EO Index:	103897	Element Last Seen:	2017-01-08
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-01-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-22
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.815 / -119.55984			Accuracy:	specific area		
UTM:	Zone-11 N4077408 E271663			Elevation (ft):	427		
PLSS:	T13S, R22E, Sec. 10, SE (M)			Acres:	8.0		
Location:	JUST EAST OF POINSETTIA AVE, ABOUT 0.5 MILES NNW OF THE INTERSECTION OF SHAW AVE AND ACADEMY AVE, CLOVIS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. 2016: BACKYARD OF 5478 POINSETTIA AVE.						
Ecological:	2016: FOUND IN SMALL, PARTIALLY-FILLED ORNAMENTAL POND; SURVEYOR ASSUMED THE INDIVIDUAL HAD DISPERSED FROM HABITAT TO THE EAST; RELOCATION SITE AT BACK OF PROPERTY, ADJACENT TO NON-NATIVE GRASSLAND/VERNAL POOL HABITAT.						
General:	1 JUVENILE FOUND IN ORNAMENTAL POOL ON 30 JUN 2016 AND RELOCATED TO GROUND SQUIRREL BURROW. 1 ADULT FOUND IN SWIMMING POOL ON 8 JAN 2017 AND RELEASED IN ADJACENT HABITAT.						
Owner/Manager:	PVT						

Occurrence No.	1246	Map Index:	A5059	EO Index:	106758	Element Last Seen:	2016-04-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97742 / -119.87096			Accuracy:	specific area		
UTM:	Zone-11 N4096220 E244448			Elevation (ft):	367		
PLSS:	T11S, R19E, Sec. 14, NW (M)			Acres:	10.0		
Location:	0.4 MI SE TO 0.5 MI ESE OF RD 37 AT AVE 16, NE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED LOCATIONS. POOLS A AND Z.						
Ecological:	VERNAL POOLS/SWALES ON ROLLING GRASSLAND USED FOR GRAZING. SITE OF PROPOSED MITIGATION BANK. SPADEFOOT TOADS, CHORUS FROGS, AND WESTERN TOADS ALSO OBSERVED. NON-NATIVE WEATHER LOACH FOUND IN 2 ADJACENT POOLS ON THE PROPERTY.						
General:	EGGS/LARVAE DETECTED IN NE-MOST POOL, JAN 2013. METAMORPHS DETECTED IN BOTH POOLS, APR 2016.						
Owner/Manager:	PVT						



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



Occurrence No.	1247	Map Index:	A5061	EO Index:	106760	Element Last Seen:	2016-04-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97445 / -119.86304				Accuracy:	80 meters	
UTM:	Zone-11 N4095870 E245143				Elevation (ft):	372	
PLSS:	T11S, R19E, Sec. 14, NW (M)				Acres:	5.0	
Location:	ABOUT 0.8 MI SE OF RD 37 AT AVE 16 & 0.9 MILES NE OF RD 37 AT AVE 15, NE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED LOCATION. POOL G.						
Ecological:	VERNAL POOLS/SWALES ON ROLLING GRASSLAND USED FOR GRAZING. SITE OF PROPOSED MITIGATION BANK. SPADEFOOT TOADS, CHORUS FROGS, AND WESTERN TOADS ALSO OBSERVED. NON-NATIVE WEATHER LOACH FOUND IN 2 POOLS ON PROPERTY.						
General:	METAMORPHS DETECTED APR 2016.						
Owner/Manager:	PVT						

Occurrence No.	1248	Map Index:	A5062	EO Index:	106762	Element Last Seen:	2016-04-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97026 / -119.8737				Accuracy:	specific area	
UTM:	Zone-11 N4095434 E244180				Elevation (ft):	351	
PLSS:	T11S, R19E, Sec. 14, NW (M)				Acres:	11.0	
Location:	ABOUT 0.7-0.8 MI SSE OF RD 37 AT AVE 16 & 0.25-0.3 MILES NNE OF RD 37 AT AVE 15, NE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED LOCATIONS. POOLS E, F, & 437.						
Ecological:	VERNAL POOLS/SWALES ON ROLLING GRASSLAND USED FOR GRAZING. SITE OF PROPOSED MITIGATION BANK. SPADEFOOT TOADS, CHORUS FROGS, AND WESTERN TOADS ALSO OBSERVED. NON-NATIVE WEATHER LOACH FOUND IN 2 POOLS ON PROPERTY.						
General:	EGGS/LARVAE DETECTED IN 2 POOLS JAN 2013. METAMORPHS DETECTED IN 2 POOLS APR 2016.						
Owner/Manager:	PVT						



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



Occurrence No.	1249	Map Index:	A5141	EO Index:	106844	Element Last Seen:	2017-05-23
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-28
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.92354 / -119.98096				Accuracy:	specific area	
UTM:	Zone-11 N4090542 E234467				Elevation (ft):	281	
PLSS:	T11S, R18E, Sec. 35, SW (M)				Acres:	33.0	
Location:	BOTH SIDES OF AVE 12, FROM THE ATSF RAILROAD TRACKS TO ABOUT 0.6 MI W & WSW, 2.3-2.7 MI E OF HWY 99, SE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. FOOTPRINT OF 2017 CONSTRUCTION/DEVELOPMENT UNCLEAR, BUT SEEMS TO EXCLUDE SW-MOST END OF OCCURRENCE AS MAPPED. SW POLYGON INCLUDES "POND 2" BREEDING POND AND STUDY AREA AT PGE BORDEN SUBSTATION.						
Ecological:	RUDERAL, EPHEMERALLY PONDED AREA ALONG RR GRADE W/GROUND SQUIRREL BURROWS ON RAILROAD BERM & ROADSIDE. BREEDING POND ON PGE PROPERTY. SURROUNDING AREA AGRICULTURAL, BUT ALMOND ORCHARDS, VINEYARDS & FALLOW ROW CROPLAND BEING GRADED (2017).						
General:	1 DEAD, PREDATED ADULT OBSERVED ON 4 NOV 2015. 1 ADULT FOUND DURING BURROW EXCAVATION 30 DEC 2016 & RELOCATED TO NEARBY HABITAT. 1 LARVA OBSERVED IN POND 2 ON 29 MAR 2017. 5 ADULTS & 1 JUVENILE DISPLACED BY CONSTRUCTION, JAN-MAY 2017.						
Owner/Manager:	PVT						

Occurrence No.	1253	Map Index:	A6431	EO Index:	108190	Element Last Seen:	2017-02-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-02-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-19
Quad Summary:	Fresno North (3611977)						
County Summary:	Fresno						
Lat/Long:	36.79258 / -119.87053				Accuracy:	nonspecific area	
UTM:	Zone-11 N4075708 E243869				Elevation (ft):	297	
PLSS:	T13S, R19E, Sec. 23 (M)				Acres:	35.0	
Location:	VICINITY OF N BLYTHE AVE ABOUT 0.2 MI NNW OF THE W AUSTIN WAY JUNCTION, & 0.1 MI SE OF THE W ASHLAN AVE JCT IN FRESNO.						
Detailed Location:	NORTH POLYGON IS APPROXIMATE LOCATION OF DETECTION SITE. SOUTH POLYGON IS APPROXIMATE LOCATION OF RELOCATION SITE.						
Ecological:	FOUND ON GROUNDS OF APARTMENT COMPLEX. RELOCATED TO OPEN SPACE WITH ALFALFA AND GRASS, STANDING WATER IN SPRING, AND MANY BURROWS PRESENT. INDIVIDUAL MAY REPRESENT REMNANT POPULATION THAT HAS LOST TOO MUCH HABITAT TO BE VIABLE.						
General:	1 ADULT FOUND ON GROUNDS OF APARTMENT COMPLEX BY LANDSCAPE MAINTENANCE CREW ON 17 FEB 2017. THE ANIMAL WAS DELIVERED TO A LOCAL BIOLOGIST, WHO RELOCATED IT TO NEARBY OPEN SPACE.						
Owner/Manager:	PVT						



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



Occurrence No.	1255	Map Index:	A6561	EO Index:	108323	Element Last Seen:	2017-06-07
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-18
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.90821 / -119.69266			Accuracy:	nonspecific area		
UTM:	Zone-11 N4088077 E260105			Elevation (ft):	395		
PLSS:	T12S, R21E, Sec. 9, NW (M)			Acres:	23.0		
Location:	0.1 MI NNW TO 0.4 MI NE OF STETSON RD AT HACIENDA AVE & 1.4 TO 1.7 MI NE OF COPPER AVE AT AUBERRY RD, N OF CLOVIS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SW POLYGON REPRESENTS 2015 DETECTION. NE-MOST POLYGON REPRESENTS RELOCATION SITE FOR SALAMANDERS SALVAGED FROM WORKSITE AT OCCURRENCE #911 DURING 2016-2017.						
Ecological:	2015: RURAL RESIDENTIAL PROPERTY CONTIGUOUS WITH EXPANSIVE GRASSLAND. 2016-2017: APPROVED RELOCATION SITE FOR SALAMANDERS SALVAGED FROM CITY OF FRESNO PIPELINE PROJECT WORKSITE TO NW.						
General:	1 ADULT UNEARTHED DURING ESTIVATION & RELOCATED TO NEARBY BURROW ON 19 AUG 2015. 1 JUVENILE INJURED AT WORKSITE (OCC #911), TREATED & RELEASED HERE 1 AUG 2016. 1 SUBADULT RELOCATED HERE 7 JUN 2017.						
Owner/Manager:	PVT						
Occurrence No.	1258	Map Index:	A6869	EO Index:	108638	Element Last Seen:	2017-03-28
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-18
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.90754 / -119.68178			Accuracy:	80 meters		
UTM:	Zone-11 N4087974 E261073			Elevation (ft):	403		
PLSS:	T12S, R21E, Sec. 9, NE (M)			Acres:	5.0		
Location:	ABOUT 0.3 MILES WSW OF E SILAXO AT N ARMSTRONG AVE & 0.9 MILES ENE OF STETSON RD AT MARIETTA AVE, N OF CLOVIS.						
Detailed Location:	LARVAE WERE RESCUED FROM WORKSITE AT OCCURRENCE #911, ABOUT A MILE NW FROM THIS OCCURRENCE, AND RELOCATED TO THIS SITE.						
Ecological:	APPROVED RELOCATION SITE FOR SALAMANDERS SALVAGED FROM CITY OF FRESNO PIPELINE PROJECT WORKSITE TO NW.						
General:	24 LARVAE RESCUED FROM WORKSITE ON 24 MAR 2017 AND RELOCATED HERE. AN ADDITIONAL 3 LARVAE WERE RELOCATED HERE ON 28 MAR.						
Owner/Manager:	PVT						



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



Occurrence No.	1259	Map Index:	A7971	EO Index:	109759	Element Last Seen:	2017-04-10
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-04-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-01-04
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.98616 / -120.03133				Accuracy:	specific area	
UTM:	Zone-10 N4097457 E764221				Elevation (ft):	292	
PLSS:	T11S, R18E, Sec. 8, SW (M)				Acres:	12.0	
Location:	RAILROAD RIGHT OF WAY FROM ABOUT 0.1-0.2 MI NW OF THE RAYMOND RD CROSSING, 1.0 MI NE OF HWY 145 AT STOREY RD IN MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	PONDED AREAS ADJACENT TO DIRT ROADS AND RAILROAD TRACKS, IN HEAVILY DISTURBED GRASSLAND.						
General:	100S OF LARVAE OBSERVED IN PONDED AREA ALONG DIRT ROAD ON 29 MAR 2017. 100S MORE WELL-DEVELOPED LARVAE OBSERVED IN ADDITIONAL POOLS ON 10 APR 2017.						
Owner/Manager:	PVT-BNSF RAILROAD						

Occurrence No.	1269	Map Index:	A8132	EO Index:	109915	Element Last Seen:	2017-03-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-01-19
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94202 / -119.79165				Accuracy:	80 meters	
UTM:	Zone-11 N4092082 E251394				Elevation (ft):	395	
PLSS:	T11S, R20E, Sec. 28, SE (M)				Acres:	5.0	
Location:	ABOUT 0.9 MILES SSE OF AVE 14 AT HUNTINGTON RD & 1.3 MILES NNE OF HWY 41 AT AVE 12, NORTH OF FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	TWO ADJACENT VERNAL POOLS IN GRAZED GRASSLAND ON DEPARTMENT OF TRANSPORTATION MITIGATION BANK. ABUNDANT GROUND SQUIRREL BURROWS IN UPLAND PROVIDE HABITAT FOR ADULT SALAMANDERS. DISTURBANCES FROM GRAZING, HIGHWAY, AND LITTER NOTED.						
General:	3 LARVAE DETECTED IN 2 OUT OF 16 POOLS DIPNETTED ON PROPERTY FROM 27-30 MAR 2017.						
Owner/Manager:	CALTRANS						

Spea hammondi

Element Code: AAABF02020

western spadefoot

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G3

State: None

State: S3

Other: BLM_S-Sensitive, CDFW_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.



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



Occurrence No.	23	Map Index:	22101	EO Index:	16883	Element Last Seen:	2016-02-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-02-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-25
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.91635 / -119.78975			Accuracy:	nonspecific area		
UTM:	Zone-11 N4089229 E251480			Elevation (ft):	362		
PLSS:	T12S, R20E, Sec. 4, E (M)			Acres:	82.0		
Location:	VICINITY OF ROOT CREEK, FROM ABOUT 0.3 MI ESE TO 0.7 MILES SSE OF YOSEMITE FWY (HWY 41) AT AVE 12, 9 MI W OF FRIANT.						
Detailed Location:	1992: FOUND IN FOUR VERNAL POOLS, LOCATION DESCRIBED ONLY AS N1/2 SE1/4 SEC 4," BETWEEN SR41 AND UP TO 0.5 MILE TO THE EAST AND ABOUT 0.6 MILE S OF AVE 12." 2016 DETECTION LOCATIONS MAPPED TO PROVIDED COORDINATES.						
Ecological:	1992: NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM AND ERYNGIUM VASEYI, BRANCHINECTA LYNCHI ALSO PRESENT. 2016: VERNAL SWALES SURROUNDED BY GRAZED GRASSLAND.						
General:	AN UNESTIMATED NUMBER OF TADPOLES OBSERVED ON 19 MAR 1992. 2 ADULTS OBSERVED IN AMPLEXUS ON 21 JAN 2016. 10 LARVAE OBSERVED ON 18 FEB 2016.						
Owner/Manager:	PVT						
Occurrence No.	27	Map Index:	22171	EO Index:	20000	Element Last Seen:	2008-03-12
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-03-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-15
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:	THE PLAYA POOL AT THE SW CORNER OF FRIANT RANCH SURVEYED IN 2008.						
Ecological:	2008: LARGE VERNAL POOL WITHIN GRAZED GRASSLAND COMPOSED OF NATIVE AND NON-NATIVE GRASSES AND FORBS.						
General:	SPADEFoot TOADS FOUND IN AN EXTENSIVE VERNAL POOL HABITAT IN GRASSLAND ON 5 APR 1992. TIGER SALAMANDERS ALSO VERY COMMON IN THE AREA. UNKNOWN NUMBER OBSERVED ON 12 MAR 2008. POOL DRY BY 26 MAR 2008.						
Owner/Manager:	PVT-FRIANT RANCH LLC						



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



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, SE (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						

Occurrence No.	59	Map Index:	32328	EO Index:	2784	Element Last Seen:	1978-04-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1978-04-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-07-20
Quad Summary:	Millerton Lake West (3711916), O'Neals (3711926)						
County Summary:	Madera						
Lat/Long:	37.13249 / -119.72326				Accuracy:	1 mile	
UTM:	Zone-11 N4113041 E258091				Elevation (ft):	1380	
PLSS:	T09S, R21E, Sec. 19 (M)				Acres:	0.0	
Location:	WEST OF O'NEALS; APPROX. 1.9 KM NORTHEAST OF THE O'NEALS TURNOFF ON STATE ROUTE 41.						
Detailed Location:							
Ecological:	SEVERAL PONDS.						
General:	SPADEFOOT TADPOLES OBSERVED.						
Owner/Manager:	UNKNOWN						



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



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, SE (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, SE (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						



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



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, SW (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, HYL A 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:	2017-03-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-08
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.9474 / -119.79232				Accuracy:	nonspecific area	
UTM:	Zone-11 N4092681 E251352				Elevation (ft):	406	
PLSS:	T11S, R20E, Sec. 28, E (M)				Acres:	151.0	
Location:	ALONG STATE HIGHWAY 41, FROM 1.2 MILES NORTH OF AVENUE 12 TO JUST SOUTH OF THE MADERA CANAL, 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. 2016: 251146E, 4092251N.						
Ecological:	HABITAT CONSISTS OF A SWALE-LIKE VERNAL POOL WITH DOWNINGIA ORNATISSIMA, ERYNGIUM VASEYI, PLAGIOBOTHRYX STIPITATUS, ORCUTTIA INAEQUALIS, AND CASTILLEJA CAMPESTRIS SUCCULENTA; SURROUNDED BY GRAZED GRASSLAND AND VINEYARDS.						
General:	TADPOLES OBSERVED IN 3 POOLS ON 12 MARCH 1992. 100S OF LARVAE OBS ON 28 MARCH AND 4 APRIL 1995. 4 JUVENILES OBS ON 4 APRIL 2000. OBS IN APR-JUN 2010. 10 ADULTS & 5 LARVAE OBS ON 30 MAR 2016. 200-500 LARVAE OBS 17-30 MAR 2017.						
Owner/Manager:	CALTRANS, PVT						



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



Occurrence No.	108	Map Index:	33342	EO Index:	23149	Element Last Seen:	1995-03-28
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1995-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-03-08
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.99507 / -119.87722				Accuracy:	80 meters	
UTM:	Zone-11 N4098196 E243949				Elevation (ft):	350	
PLSS:	T11S, R19E, Sec. 10, NE (M)				Acres:	0.0	
Location:	JUST SOUTH OF KENNETH AVENUE, 2.6 MILES EAST OF HILDRETH CREEK.						
Detailed Location:	LOCATED AT 36836 KENNETH AVENUE, 15-20 YARDS SOUTH OF KENNETH AVENUE.						
Ecological:	HABITAT CONSISTS OF A HIGHLY-DEGRADED VERNAL POOL IN NON-NATIVE GRASSLAND; POOL HAS BEEN DISKED REPEATEDLY FOR SEVERAL YEARS. MOST OF THE VEGETATION NOW CONSISTS OF RUDERAL SPECIES. BUFO BOREAS AND HYLIA REGILLA ARE ALSO FOUND HERE.						
General:	~100 LARVAE OBSERVED ON 28 MARCH 1995.						
Owner/Manager:	PVT						

Occurrence No.	116	Map Index:	34786	EO Index:	12641	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:	1996-06-07
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00472 / -119.83704				Accuracy:	1/5 mile	
UTM:	Zone-11 N4099159 E247557				Elevation (ft):	418	
PLSS:	T11S, R20E, Sec. 06, NW (M)				Acres:	0.0	
Location:	APPROX. 0.6 KM SOUTH OF HWY 145 X ROAD 208; JUST SOUTH OF MADERA CANAL.						
Detailed Location:	MANY POOLS PRESENT AT SITE, BUT ONLY 4 SAMPLED.						
Ecological:	CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.						
General:	SCAPHIOPUS HAMMONDII PRESENT DURING FAIRY SHRIMP SURVEY IN 2 LARGEST POOLS; BRANCHINECTA LYNCHI AND LINDERIELLA OCCIDENTALIS PRESENT IN 3 POOLS.						
Owner/Manager:	UNKNOWN						



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



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, SW (M)			Acres:	9.7		
Location:	NORTH SIDE OF AUBERRY ROAD, 0.6 ROAD MILE 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, SE (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, SW (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						



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



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, NE (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, NW (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



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



Occurrence No.	199	Map Index:	67495	EO Index:	45184	Element Last Seen:	2017-03-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.93563 / -119.7898			Accuracy:	nonspecific area		
UTM:	Zone-11 N4091368 E251538			Elevation (ft):	387		
PLSS:	T11S, R20E, Sec. 33, NE (M)			Acres:	63.0		
Location:	FROM ABOUT 90 FEET TO 0.3 MILE EAST OF HIGHWAY 41 AND 0.6 TO 0.8 MILES NORTH OF AVENUE 12, 6 MILES NORTH OF PINEDALE.						
Detailed Location:	1992, 2001: POOLS LOCATED ALONG UNNAMED STREAM AND TO THE NORTH OF THE STREAM. 1992 SURVEY POOL NUMBERS: 41, 43, 44, 47, 49, 50, 67, 68. 2017 DETECTION ALONG EAST SIDE OF HWY 41, 0.6 MI N OF AVE 12.						
Ecological:	1992, 2001: VERNAL POOLS & WETLAND DRAINAGES IN NON-NATIVE ANNUAL GRASSLAND. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LAND MAINLY AGRICULTURAL, WITH ENCROACHING COMMERCIAL/URBAN DEVELOPMENT.						
General:	TADPOLES OBSERVED IN 8 POOLS ON 19 MARCH 1992. UNKNOWN NUMBER/LIFE STAGE OBSERVED DURING FEB 2001. 1 LARVA CAPTURED BY HAND AND RELEASED ON 29 MAR 2017.						
Owner/Manager:	PVT, PVT-PGE						

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, SE (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						



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



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, SE (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						

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	
UTM:	Zone-11 N4095826 E255000				Elevation (ft):	435	
PLSS:	T11S, R20E, Sec. 14, NE (M)				Acres:	18.0	
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						



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



Occurrence No.	347	Map Index:	66194	EO Index:	66282	Element Last Seen:	2005-05-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-12
Quad Summary:	Piedra (3611974), Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.80926 / -119.50036			Accuracy:	specific area		
UTM:	Zone-11 N4076631 E276953			Elevation (ft):	490		
PLSS:	T13S, R23E, Sec. 08, SW (M)			Acres:	2.0		
Location:	0.5 MILE NORTH OF THE WATTS VALLEY ROAD CROSSING OVER FRIANT CANAL, 8 MILES NNE OF SANGER.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLAND. SURROUNDING LAND USE INCLUDES LIVESTOCK GRAZING, ORCHARDS, AND HOMES.						
General:	100'S OBSERVED DURING MAY 2005.						
Owner/Manager:	PVT						

Occurrence No.	350	Map Index:	66742	EO Index:	66892	Element Last Seen:	2006-05-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-16
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.83127 / -119.54018			Accuracy:	nonspecific area		
UTM:	Zone-11 N4079166 E273464			Elevation (ft):	450		
PLSS:	T13S, R22E, Sec. 02 (M)			Acres:	24.0		
Location:	ABOUT 1 MI NE OF WHERE BULLARD AVE. MEETS ACADEMY AVE., JUST WEST OF FRIANT-KERN CANAL.						
Detailed Location:							
Ecological:	NON-NATIVE ANNUAL GRASSLAND.						
General:	1000'S OF ADULTS AND JUVENILES OBSERVED ON 13 MAY 2006.						
Owner/Manager:	PVT						

Occurrence No.	351	Map Index:	66743	EO Index:	66893	Element Last Seen:	2006-05-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-16
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84734 / -119.56403			Accuracy:	80 meters		
UTM:	Zone-11 N4081006 E271385			Elevation (ft):	440		
PLSS:	T12S, R22E, Sec. 34, NW (M)			Acres:	0.0		
Location:	ABOUT 0.4 MI SW OF INTERSECTION OF ACADEMY AVE. AND FRIANT-KERN CANAL.						
Detailed Location:	OCCURRENCES 351, 352 & 353 ARE ALL IN SECTION 34.						
Ecological:	NON-NATIVE ANNUAL GRASSLAND.						
General:	1000'S OF ADULTS AND JUVENILES OBSERVED BETWEEN THIS OCCURRENCE, #352 & 353 ON 13 MAY 2006.						
Owner/Manager:	PVT						



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



Occurrence No.	352	Map Index:	66744	EO Index:	66894	Element Last Seen:	2006-05-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-16
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84298 / -119.55833			Accuracy:	80 meters		
UTM:	Zone-11 N4080509 E271880			Elevation (ft):	440		
PLSS:	T12S, R22E, Sec. 34, SW (M)			Acres:	0.0		
Location:	ABOUT 0.5 MI SOUTH OF INTERSECTION OF ACADEMY AVE. & FRIANT-KERN CANAL, JUST WEST OF ACADEMY AVE.						
Detailed Location:	OCCURRENCES 351, 352 & 353 ARE ALL IN SECTION 34.						
Ecological:	NON-NATIVE ANNUAL GRASSLANDS.						
General:	1000'S OF ADULTS & JUVENILES OBSERVED BETWEEN THIS OCCURRENCE, #351 & 353 ON 13 MAY 2006.						
Owner/Manager:	PVT						

Occurrence No.	353	Map Index:	66745	EO Index:	66895	Element Last Seen:	2006-05-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-16
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.83745 / -119.56046			Accuracy:	specific area		
UTM:	Zone-11 N4079901 E271674			Elevation (ft):	440		
PLSS:	T12S, R22E, Sec. 34, SW (M)			Acres:	13.0		
Location:	ABOUT 0.9 MI SSW OF INTERSECTION OF ACADEMY AVE. AND FRIANT-KERN CANAL.						
Detailed Location:	OCCURRENCES 351, 352 & 353 ARE ALL IN SECTION 34.						
Ecological:	NON-NATIVE ANNUAL GRASSLANDS.						
General:	1000'S OF ADULTS & JUVENILES OBSERVED BETWEEN THIS OCCURRENCE, #351 & 352 ON 13 MAY 2006.						
Owner/Manager:	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		
UTM:	Zone-11 N4094843 E251801			Elevation (ft):	425		
PLSS:	T11S, R20E, Sec. 21, SE (M)			Acres:	11.0		
Location:	JUST NORTH OF AVENUE 15, APROXIMATELY 0.3 MILE 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						



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



Occurrence No.	355	Map Index:	67528	EO Index:	67685	Element Last Seen:	1992-03-11
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1992-03-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-01-03
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01626 / -119.79274				Accuracy:	nonspecific area	
UTM:	Zone-11 N4100323 E251537				Elevation (ft):	450	
PLSS:	T10S, R20E, Sec. 33 (M)				Acres:	168.0	
Location:	ALONG STATE ROUTE 41 AND 1000 FT SOUTH TO 1 MILE NORTH OF STATE ROUTE 145, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	POOL #'S 165 AND 900 (SOUTH OF RT 145) AND POOL #'S 175, 193, 196, 197, 204, AND 205 (NORTH OF SR 145). ALL POOLS (EXCEPT #175) LOCATED 100 FT EAST OF STATE ROUTE 41. POOL #175 IS 100 FT WEST OF STATE ROUTE 41, 0.5 MILE NORTH OF SR 145.						
Ecological:	HABITAT CONSISTS OF NORTHERN HARPAN VERNAL POOL DOMINATED BY HORDEUM GENICULATUM AND ERYNGIUM VASEYI.						
General:	TADPOLES OBSERVED IN 8 VERNAL POOLS ON 11 MARCH 1992.						
Owner/Manager:	PVT						
Occurrence No.	365	Map Index:	68143	EO Index:	68288	Element Last Seen:	2007-02-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-02-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-16
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.02098 / -119.72887				Accuracy:	80 meters	
UTM:	Zone-11 N4100683 E257236				Elevation (ft):	430	
PLSS:	T10S, R21E, Sec. 31, NW (M)				Acres:	0.0	
Location:	MILLERTON ROAD (ROAD 145), WHICH RUNS PARALLEL TO COTTONWOOD CREEK, ABOUT 2.5 MILES NNW OF FRIANT.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLAND AND FORBS; NEARBY VERNAL POOL SYSTEMS MAY HAVE PROVIDED SITES FOR AESTIVATION.						
General:	5 ADULTS OBSERVED ON 10 FEB 2007, A RAINY NIGHT, AND TOADS WERE CROSSING THE ROAD FOR BREEDING ACTIVITY. WESTERN TOADS WERE ALSO OBSERVED, BUT NO CTS WERE PRESENT.						
Owner/Manager:	CALTRANS						



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



Occurrence No.	412	Map Index:	72107	EO Index:	73047	Element Last Seen:	2005-03-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-29
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.02216 / -119.84714			Accuracy:	80 meters		
UTM:	Zone-11 N4101121 E246716			Elevation (ft):	422		
PLSS:	T10S, R19E, Sec. 36, NE (M)			Acres:	0.0		
Location:	MADERA CANAL MILEPOST 13.12, 3 MILES WNW OF FOUR CORNERS BENCH MARK 457, COARSEGOLD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN GIS SHAPEFILE. POOL ID MAC-R-013.12.1.						
Ecological:	"POOL LARGE AND PART OF A COMPLEX WITH 3 POOLS. NO OTHER POOL DESCRIPTION GIVEN ON THIS DAY."						
General:	AT LEAST 1 INDIVIDUAL OBSERVED 24 MAR 2005 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR, PVT						
Occurrence No.	413	Map Index:	72108	EO Index:	73048	Element Last Seen:	2005-03-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-29
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01407 / -119.84558			Accuracy:	80 meters		
UTM:	Zone-11 N4100220 E246829			Elevation (ft):	429		
PLSS:	T10S, R19E, Sec. 36, SE (M)			Acres:	0.0		
Location:	MADERA CANAL MILEPOST 12.41, 2.8 MILES E (ENE) OF FOUR CORNERS BENCH MARK 457, COARSEGOLD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN GIS SHAPEFILE. POOL ID MAC-R-012.41.1.						
Ecological:	"POOL EXTREMELY LARGE SURFACE AREA. NUMEROUS WESTERN SPADEFOOT EGGMASSES OBSERVED AND PHOTOGRAPHED."						
General:	SEVERAL EGG-MASSES OBSERVED ON 23 MAR 2005 BY F. VANG.						
Owner/Manager:	USBOR, PVT						
Occurrence No.	414	Map Index:	45645	EO Index:	73049	Element Last Seen:	2005-03-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-09
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00994 / -119.83995			Accuracy:	specific area		
UTM:	Zone-11 N4099747 E247315			Elevation (ft):	422		
PLSS:	T11S, R19E, Sec. 01, SE (M)			Acres:	18.0		
Location:	MADERA CANAL AT CROSSING OF HIGHWAY 145 & JUST WEST OF RD 208, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	4 POOL SERIES ON CANAL'S NE SIDE, 2 NORTH & 2 SOUTH OF HWY. TOADS FOUND IN NORTH POOL NORTH OF HWY, POOL ID MAC-R-012.12.1. MAPPED TO PROVIDED COORDINATES IN GIS SHAPEFILE.						
Ecological:	HABITAT DESCRIPTION GIVEN AS "POOL VERY LARGE BUT NO OTHER POOL DESCRIPTION GIVEN ON THIS DAY."						
General:	AT LEAST 1 INDIVIDUAL OBSERVED ON 23 MAR 2005 BY F. VANG.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	415	Map Index:	72149	EO Index:	73050	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:	2008-09-11
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85612 / -119.57528				Accuracy:	specific area	
UTM:	Zone-11 N4082008 E270408				Elevation (ft):		
PLSS:	T12S, R22E, Sec. 28, SE (M)				Acres:	8.0	
Location:	FRIANT-KERN CANAL MILEPOST 015.68, 0.6 MILE SE OF DOG CREEK, & 1 MILE NW OF BENCH MARK 461, CLOVIS.						
Detailed Location:	TWO POOLS, 1 EACH ON SW & NE SIDES OF CANAL, POOL IDS FKC-R-015.68.2 (SW) & FKC-L-015.68.1 (NE); MAPPED TO PROVIDED COORDINATES IN SHAPEFILE.						
Ecological:	"POOL STILL VERY COLD. IT IS ALSO LARGE."						
General:	AT LEAST 1 INDIVIDUAL OBSERVED ON 14 APR 2005 BY K. GARCIA-TOMLINSON IN POOL ON NORTHEAST SIDE OF CANAL.						
Owner/Manager:	USBOR, PVT						
Occurrence No.	468	Map Index:	A5045	EO Index:	106745	Element Last Seen:	2018-05-22
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-25
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.9232 / -119.98311				Accuracy:	specific area	
UTM:	Zone-11 N4090510 E234274				Elevation (ft):	278	
PLSS:	T12S, R18E, Sec. 2 (M)				Acres:	22.0	
Location:	N & S SIDES OF AVE 12 ABOUT 0.5 MILES W OF THE SANTA FE DR INTERSECTION, 4.1 MILES SE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. ORIGINAL HABITAT WAS ON NORTH SIDE OF AVE 12. RELOCATION SITE WAS SOUTH OF AVE 12.						
Ecological:	SPADEFoot BURROWS EXCAVATED PRIOR TO CONSTRUCTION. ORIGINAL HABITAT WAS MANMADE BERM BETWEEN ORCHARD AND AGRICULTURAL DIRT ROAD. TOADS WERE RELOCATED SOUTH OF AVE 12 TO SUITABLE HABITAT WITH BURROWS NEAR A LARGE VERNAL POOL.						
General:	60 ADULT TOADS EXCAVATED AND RELOCATED TO NEARBY HABITAT ON 24 JAN 2017. 10S OF LARVAE OBSERVED ON 5 APR 2018. 5 OBSERVED ON 22 MAY 2018.						
Owner/Manager:	PVT						



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



Occurrence No.	469	Map Index:	A5071	EO Index:	106770	Element Last Seen:	2016-04-22
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-22
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97394 / -119.86671				Accuracy:	nonspecific area	
UTM:	Zone-11 N4095823 E244815				Elevation (ft):	372	
PLSS:	T11S, R19E, Sec. 14 (M)				Acres:	642.0	
Location:	PROPERTY AT THE NE CORNER OF AVE 15 AND RD 37, E OF MADERA.						
Detailed Location:	MAPPED TO PARCEL BOUNDARIES. SPADEFOOT WERE DETECTED THROUGHOUT PARCEL, INCLUDING IN POOLS A, K, Z, BB, & OO.						
Ecological:	VERNAL POOLS/SWALES ON ROLLING GRASSLAND USED FOR GRAZING. SITE OF PROPOSED MITIGATION BANK. SPADEFOOT TOADS, CHORUS FROGS, AND WESTERN TOADS ALSO OBSERVED. NON-NATIVE WEATHER LOACH FOUND IN 2 POOLS ON PROPERTY.						
General:	100S OF LARVAE AND JUVENILES WITH EMERGING LIMBS WERE OBSERVED IN DIPNET AND SEINE SURVEYS ON 19 & 22 APR 2016.						
Owner/Manager:	PVT						
Occurrence No.	742	Map Index:	B2227	EO Index:	114151	Element Last Seen:	2018-04-19
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2018-04-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-05
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.90024 / -119.97456				Accuracy:	specific area	
UTM:	Zone-11 N4087939 E234956				Elevation (ft):	281	
PLSS:	T12S, R18E, Sec. 11, SW (M)				Acres:	17.0	
Location:	AGRICULTURAL DITCH BETWEEN AVENUE 10 AND AVENUE 10.5, 1.8 MI ESE OF HWY 99 AT AVENUE 11, SE OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF OCCUPIED POOLS.						
Ecological:	CLEAR WATER PORTION OF AN AGRICULTURAL DITCH RUNNING BETWEEN AVENUE 10 AND AVENUE 10.5 AS WELL AS TWO ISOLATED SMALLER MUDDY POOLS CLOSER TO AVENUE 10. SURROUNDING AREA BARREN, GRADED, AND DENUDED, WITH DECIDUOUS ORCHARDS TO THE NORTH.						
General:	HUNDREDS OF DIFFERENT LIFE STAGES OBSERVED ON 29 MAR AND WERE REGULARLY OBSERVED UNTIL 19 APR 2018.						
Owner/Manager:	FEDERAL RAILROAD AUTHORITY						



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



Occurrence No.	743	Map Index:	B2232	EO Index:	114155	Element Last Seen:	2018-03-09
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2018-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-05
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.90921 / -119.97255				Accuracy:	80 meters	
UTM:	Zone-11 N4088929 E235167				Elevation (ft):	280	
PLSS:	T12S, R18E, Sec. 11, NE (M)				Acres:	5.0	
Location:	ABOUT 0.6 MILES EAST OF AVENUE 11 AT ROAD 31, 0.7 MILES WEST OF AVENUE 11 AT IOWA AVE, SE OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES.						
Ecological:	THE SITE IS A BARREN, GRADED, DENUDED SOIL LOT WITH DECIDUOUS ORCHARDS AND SPARSE RUDERAL VEGETATION ALONG THE PERIMETER.						
General:	1 OBSERVED ON 9 MAR 2018 TAKING REFUGE UNDER A COVER BOARD OUTSIDE OF AN EXCLUSION FENCE.						
Owner/Manager:	FEDERAL RAILROAD AUTHORITY						

Occurrence No.	744	Map Index:	B2235	EO Index:	114159	Element Last Seen:	2018-03-23
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2018-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-05
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.92401 / -119.97462				Accuracy:	80 meters	
UTM:	Zone-11 N4090577 E235033				Elevation (ft):	282	
PLSS:	T11S, R18E, Sec. 35, SW (M)				Acres:	5.0	
Location:	ABOUT 0.5 MILES WEST OF AVENUE 12 AT ROAD 32, 2.6 MILES EAST OF HIGHWAY 99 AT AVENUE 12, SE OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES.						
Ecological:	THE SITE IS A BARREN, GRADED, DENUDED SOIL LOT WITH SPARSE RUDERAL VEGETATION ALONG THE PERIMETER. THE INDIVIDUAL WAS OBSERVED TAKING REFUGE UNDER A COVER BOARD OUTSIDE OF THE EXCLUSION FENCE AT THE SITE. SITE IS A FORMER ALMOND ORCHARD.						
General:	1 OBSERVED TAKING REFUGE UNDER A COVER BOARD OUTSIDE OF THE EXCLUSION FENCING ON 23 MAR 2018.						
Owner/Manager:	FEDERAL RAILROAD AUTHORITY						

Occurrence No.	749	Map Index:	B2240	EO Index:	114164	Element Last Seen:	2010-04-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-04-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-06
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.062 / -119.7676				Accuracy:	80 meters	
UTM:	Zone-11 N4105334 E253924				Elevation (ft):	720	
PLSS:	T10S, R20E, Sec. 15, NE (M)				Acres:	5.0	
Location:	1.7 MILES NNE OF HIGHWAY 41 AT BELLVIEW ROAD (ROAD 208), NW OF MILLERTON LAKE, NE OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF "ISOLATED POOL LOCATED WITHIN AN OLD DRAINAGE. EAST OF HIGHWAY 41."						
Ecological:	NON-NATIVE ANNUAL GRASSLAND. RURAL RESIDENCES.						
General:	15 ADULTS AND 15 JUVENILES OBSERVED ON 5 APR 2010.						
Owner/Manager:	PVT						



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



Occurrence No.	750	Map Index:	B2241	EO Index:	114165	Element Last Seen:	2010-04-05
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2010-04-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-02-06	
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.0432 / -119.7774			Accuracy:	80 meters		
UTM:	Zone-11 N4103273 E252991			Elevation (ft):	616		
PLSS:	T10S, R20E, Sec. 22, SW (M)			Acres:	5.0		
Location:	0.3 MILES NNE OF HIGHWAY 41 AT BELLVIEW ROAD (ROAD 208), NW OF MILLERTON LAKE, NE OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF "ISOLATED POOL LOCATED EAST OF HIGHWAY 41."						
Ecological:	NON-NATIVE ANNUAL GRASSLAND, RURAL RESIDENSES.						
General:	ABOUT 50 JUVENILES OBSERVED ON 5 APR 2010. APPROXIMATELY 40 DEAD TADPOLES OBSERVED FLOATING ON SURFACE.						
Owner/Manager:	PVT						

Occurrence No.	752	Map Index:	B2244	EO Index:	114167	Element Last Seen:	2018-04-24
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2018-05-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-02-06	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.98491 / -119.79521			Accuracy:	80 meters		
UTM:	Zone-11 N4096851 E251217			Elevation (ft):	427		
PLSS:	T11S, R20E, Sec. 9, SW (M)			Acres:	5.0		
Location:	NEAR HIGHWAY 41, 0.6 MILE NORTH OF THE CROSSING OF MADERA CANAL, EAST OF THE CITY OF MADERA.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES, BETWEEN THE CANAL AND HIGHWAY.						
Ecological:	NON-NATIVE ANNUAL GRASSLAND. EMERGENT VEGETATION PRESENT. VERNAL POOL PLANTS INCLUDE PLAGIOBOTHRYIS SP. AND ERYNGIUM SP. POOL WAS SAMPLED 13 & 24 APR 2018. POOL WAS DRY BY 7 MAY 2018.						
General:	3 LARVAE OBSERVED UNDERGOING METAMORPHOSIS DURING 13 AND 24 APR 2018 SURVEYS. 0 OBSERVED ON 7 MAY 2018.						
Owner/Manager:	PVT						



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



Occurrence No.	753	Map Index:	B2245	EO Index:	114168	Element Last Seen:	2008-03-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-06
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.03852 / -119.72282				Accuracy:	80 meters	
UTM:	Zone-11 N4102613 E257831				Elevation (ft):	483	
PLSS:	T10S, R21E, Sec. 30, NW (M)				Acres:	5.0	
Location:	ABOUT 0.8 MILES NNE OF ROAD 211 AT MILLERTON RD, 1.3 MI SSW OF ROAD 211 AT BELLVIEW RD, NW OF MILLERTON LAKE.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF "AT BASE OF OLD RAILROAD."						
Ecological:	HYLA REGILLA TADPOLES AND EGGS ALSO PRESENT.						
General:	APPROXIMATELY 100 LARVAE OBSERVED ON 9 MAR 2008; AT LEAST THREE SIZE CLASSES OF TADPOLES PRESENT.						
Owner/Manager:	UNKNOWN						

Occurrence No.	754	Map Index:	B2246	EO Index:	114169	Element Last Seen:	2008-03-09
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-06
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.03469 / -119.71412				Accuracy:	80 meters	
UTM:	Zone-11 N4102166 E258593				Elevation (ft):	540	
PLSS:	T10S, R21E, Sec. 30, NE (M)				Acres:	5.0	
Location:	ABOUT 0.8 MI NE OF HWY 211 AT MILLERTON RD, 1.5 MI S OF ROAD 211 AT BELLVIEW RD, NW OF MILLERTON LAKE.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES.						
Ecological:	VERNAL PUDDLE/POOL IN NON-NATIVE GRASSLAND. APPROXIMATELY 5M X 3M X 0.2M.						
General:	ABOUT 100 LARVAE OBSERVED ON 9 MAR 2008. A SINGLE ALBINO TADPOLE FOUND IN THE POOL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	755	Map Index:	B2248	EO Index:	114170	Element Last Seen:	2008-01-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-01-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-06
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.01065 / -119.74171				Accuracy:	1/10 mile	
UTM:	Zone-11 N4099568 E256061				Elevation (ft):	470	
PLSS:	T11S, R20E, Sec. 1, NW (M)				Acres:	18.0	
Location:	ABOUT 0.3 MI W OF ROAD 145 AT ROAD 206, 1 MI E OF ROAD 145 AT COUNTY 205, EAST OF MILLERTON LAKE.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED LOCATION DESCRIPTION OF "COUNTY ROAD 145, APPROXIMATELY 1800 FEET WEST OF THE INTERSECTION OF COUNTY ROADS 206 AND 145."						
Ecological:	ANNUAL GRASSLANDS WITH LIGHT-MEDIUM DENSITY CATTLE GRAZING. 5 CALIFORNIA SALAMANDERS FOUND DEAD ON ROAD.						
General:	1 OBSERVED ON 4 JAN 2008.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	790	Map Index:	B2354	EO Index:	114279	Element Last Seen:	2008-03-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-03-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84418 / -119.59869				Accuracy:	80 meters	
UTM:	Zone-11 N4080740 E268285				Elevation (ft):	430	
PLSS:	T12S, R22E, Sec. 32, SW (M)				Acres:	5.0	
Location:	0.7 AIR MILES NE OF INTERSECTION OF NORTH MCCALL AVE AND EAST HERNDON AVE, 5 MILES EAST OF CITY OF CLOVIS.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES. VERNAL POOL #1 WITHIN THE INDART PROPERTY.						
Ecological:	36 BY 41 METER VERNAL POOL WITHIN A SHEEP PASTURE.						
General:	SPADEFoot LARVAE OBSERVED DRUING A BRANCHIOPOD SURVEY ON 13 MAR 2008.						
Owner/Manager:	PVT						

Occurrence No.	800	Map Index:	72374	EO Index:	114293	Element Last Seen:	2008-03-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-04-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84964 / -119.59308				Accuracy:	80 meters	
UTM:	Zone-11 N4081332 E268801				Elevation (ft):	444	
PLSS:	T12S, R22E, Sec. 32, NE (M)				Acres:	0.0	
Location:	0.85 MILE NORTH OF HERNDON AVE AT NORTH DEL REY AVE, ABOUT 0.4 MILE EAST OF DOG CREEK, EAST OF CLOVIS.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES. POOL #19.						
Ecological:	THE PROPERTY PRIMARILY CONSISTS OF OPEN RANGELAND HABITAT WITH VERNAL POOLS AND SWALES SCATTERED OVER THE SITE. THE VEGETATION WAS DOMINATED BY NATIVE AND NON-NATIVE GRASSES AND FORBS.						
General:	SPADEFoot LARVAE OBSERVED ON 26 MAR 2008. NONE OBSERVED DURING THE 9 APR 2008 SURVEY.						
Owner/Manager:	PVT-ESTILL						

Occurrence No.	805	Map Index:	72376	EO Index:	114299	Element Last Seen:	2008-03-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-03-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84469 / -119.58852				Accuracy:	80 meters	
UTM:	Zone-11 N4080771 E269193				Elevation (ft):	440	
PLSS:	T12S, R22E, Sec. 32, E (M)				Acres:	0.0	
Location:	0.55 AIR MILES NNE OF EAST HERNDON AVE AT NORTH DEL REY AVE, ABOUT 1 MILE EAST OF DOG CREEK, EAST OF CLOVIS.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES. POOL #54.						
Ecological:	THE PROPERTY PRIMARILY CONSISTS OF OPEN RANGELAND HABITAT WITH VERNAL POOLS AND SWALES SCATTERED OVER THE SITE. THE VEGETATION WAS DOMINATED BY NATIVE AND NON-NATIVE GRASSES AND FORBS.						
General:	SPADEFoot LARVAE OBSERVED ON 12 AND 26 MAR 2008.						
Owner/Manager:	PVT-ESTILL						



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



Occurrence No.	807	Map Index:	B2371	EO Index:	114301	Element Last Seen:	2008-03-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2008-03-12		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-03-26		
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85152 / -119.5884			Accuracy:	specific area		
UTM:	Zone-11 N4081528 E269225			Elevation (ft):	448		
PLSS:	T12S, R22E, Sec. 32, NE (M)			Acres:	19.0		
Location:	1.1 AIR MILES NNE OF THE INTERSECTION OF EAST HERNDON AVE AND NORTH DEL REY AVE, EAST OF CLOVIS.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES. POOLS #6, 7, AND 15.						
Ecological:	THE PROPERTY PRIMARILY CONSISTS OF OPEN RANGELAND HABITAT WITH VERNAL POOLS AND SWALES SCATTERED OVER THE SITE. THE VEGETATION WAS DOMINATED BY NATIVE AND NON-NATIVE GRASSES AND FORBS.						
General:	SPADEFoot LARVAE DETECTED IN 3 POOLS ON 12 MAR 2008.						
Owner/Manager:	PVT-ESTILL						
Occurrence No.	809	Map Index:	B2373	EO Index:	114303	Element Last Seen:	2007-03-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2007-03-13		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-02-21		
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.96346 / -119.71809			Accuracy:	80 meters		
UTM:	Zone-11 N4094272 E258014			Elevation (ft):	423		
PLSS:	T11S, R21E, Sec. 19, NE (M)			Acres:	5.0		
Location:	1.9 AIR MILES SSW OF INTERSECTION OF NORTH FRIANT RD AND ROAD 206 (NORTH FORK RD), NEAR FRIANT, SOUTH OF MILLERTON LAKE.						
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES FOR POOL #5 IN THE WELLINGTON RANCH PROJECT SITE.						
Ecological:	CATTLE GRAZING ON SITE.						
General:	UNKNOWN NUMBER OF LARVAE OBSERVED ON 13 MAR 2007.						
Owner/Manager:	PVT						



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



Rana boylei

Element Code: AAABH01050

foothill yellow-legged frog

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: Candidate Threatened		State: S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive		
Habitat:	General: PARTLY-SHADED, SHALLOW STREAMS AND RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.		
	Micro: NEEDS AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEEDS AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.		

Occurrence No.	1995	Map Index: A9607	EO Index: 111466	Element Last Seen:	1953-04-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1953-04-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-06-01

Quad Summary: Millerton Lake West (3711916), O'Neals (3711926)

County Summary: Madera

Lat/Long:	37.12418 / -119.69608	Accuracy:	1 mile
UTM:	Zone-11 N4112051 E260480	Elevation (ft):	1252
PLSS:	T09S, R21E, Sec. 29 (M)	Acres:	1987.0

Location: WILLOW CREEK IN VICINITY OF O'NEALS.

Detailed Location:

Ecological:

General: COLLECTED ON 6 NOV 1951, 15 AUG 1952, AND 18 APR 1953.

Owner/Manager: UNKNOWN



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



Phalacrocorax auritus

Element Code: ABNFD01020

double-crested cormorant

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5

State: None

State: S4

Other: CDFW_WL-Watch List, IUCN_LC-Least Concern

Habitat: **General:** COLONIAL NESTER ON COASTAL CLIFFS, OFFSHORE ISLANDS, AND ALONG LAKE MARGINS IN THE INTERIOR OF THE STATE.

Micro: NESTS ALONG COAST ON SEQUESTERED ISLETS, USUALLY ON GROUND WITH SLOPING SURFACE, OR IN TALL TREES ALONG LAKE MARGINS.

Occurrence No.	40	Map Index:	A1566	EO Index:	103156	Element Last Seen:	2012-05-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2012-05-11
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-08-23

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long:	36.79123 / -119.73516	Accuracy:	80 meters
UTM:	Zone-11 N4075204 E255947	Elevation (ft):	332
PLSS:	T13S, R21E, Sec. 19, NW (M)	Acres:	5.0

Location: LEAKY ACRES, ABOUT 0.3 MILES SW OF ASHLAN AVE AT N WINERY AVE IN FRESNO.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: NESTS IN WILLOWS IN 26-POND WATER RECHARGE BASIN ON 200 ACRES, OPERATED BY THE CITY OF FRESNO. LEVEES UNDERGOING CONTINUAL MAINTENANCE, BUT NEST SITE IS ISOLATED & BIRDS ARE ACCUSTOMED TO DISTURBANCE. ADJACENT TO AIRPORT, RESIDENTIAL AREAS.

General: COLONY OF 5 ACTIVE NESTS OBSERVED ON 11 MAY 2012.

Owner/Manager: CITY OF FRESNO



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



Ardea alba

Element Code: ABNGA04040

great egret

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4
	Other: CDF_S-Sensitive, IUCN_LC-Least Concern		
Habitat:	General: COLONIAL NESTER IN LARGE TREES.		
	Micro: ROOKERY SITES LOCATED NEAR MARSHES, TIDE-FLATS, IRRIGATED PASTURES, AND MARGINS OF RIVERS AND LAKES.		

Occurrence No.	37	Map Index: A1562	EO Index: 103153	Element Last Seen:	2012-05-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-08-24

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long:	36.75239 / -119.82552	Accuracy:	80 meters
UTM:	Zone-11 N4071128 E247755	Elevation (ft):	296
PLSS:	T13S, R20E, Sec. 32, SW (M)	Acres:	5.0

Location: ISLAND IN POND IN ROEDING PARK, ON THE E SIDE OF I-99 NORTH OF BELMONT AVE IN FRESNO.

Detailed Location: JUST SOUTHWEST OF STORYLAND. MAPPED TO PROVIDED COORDINATES. EGRET/HERON ROOKERY IS VISIBLE IN GOOGLE EARTH AIR PHOTOS.

Ecological: NESTS AT TOPS OF TALLEST TREES IN DENSE GROVE OF MULBERRIES ON ISLAND IN POND IN CITY PARK. NIGHT HERON ROOKERY ALSO PRESENT.

General: 7 ACTIVE NESTS OBSERVED ON 10 MAY 2012; SOME NESTS CONTAINED HALF-GROWN YOUNG.

Owner/Manager: CITY OF FRESNO



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



Egretta thula

snowy egret

Element Code: ABNGA06030

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5

State: None

State: S4

Other: IUCN_LC-Least Concern

Habitat: **General:** COLONIAL NESTER, WITH NEST SITES SITUATED IN PROTECTED BEDS OF DENSE TULE.

Micro: ROOKERY SITES SITUATED CLOSE TO FORAGING AREAS: MARSHES, TIDAL-FLATS, STREAMS, WET MEADOWS, AND BORDERS OF LAKES.

Occurrence No.	16	Map Index:	A1562	EO Index:	103155	Element Last Seen:	2012-05-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2012-05-10
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-08-24

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long:	36.75239 / -119.82552	Accuracy:	80 meters
UTM:	Zone-11 N4071128 E247755	Elevation (ft):	296
PLSS:	T13S, R20E, Sec. 32, SW (M)	Acres:	5.0

Location: ISLAND IN POND IN ROEDING PARK, ON THE E SIDE OF I-99 NORTH OF BELMONT AVE IN FRESNO.

Detailed Location: JUST SOUTHWEST OF STORYLAND. MAPPED TO PROVIDED COORDINATES. EGRET/HERON ROOKERY IS VISIBLE IN GOOGLE EARTH AIR PHOTOS.

Ecological: COLONY OF EGRETS AND NIGHT HERONS IN DENSE GROVE OF MULBERRIES ON ISLAND IN POND IN CITY PARK. THIS SPECIES ACTIVE AROUND COLONY, IN TREES AND ON GROUND, BUT NO NESTS WERE SEEN.

General: ROUGH ESTIMATE OF 5 BREEDING PAIRS NESTING ON 10 MAY 2012.

Owner/Manager: CITY OF FRESNO



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



Nycticorax nycticorax

Element Code: ABNGA11010

black-crowned night heron

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5

State: None

State: S4

Other: IUCN_LC-Least Concern

Habitat: **General:** COLONIAL NESTER, USUALLY IN TREES, OCCASIONALLY IN TULE PATCHES.

Micro: ROOKERY SITES LOCATED ADJACENT TO FORAGING AREAS: LAKE MARGINS, MUD-BORDERED BAYS, MARSHY SPOTS.

Occurrence No.	26	Map Index:	A1562	EO Index:	103152	Element Last Seen:	2012-05-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2012-05-10
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-08-23

Quad Summary: Fresno North (3611977)

County Summary: Fresno

Lat/Long:	36.75239 / -119.82552	Accuracy:	80 meters
UTM:	Zone-11 N4071128 E247755	Elevation (ft):	296
PLSS:	T13S, R20E, Sec. 32, SW (M)	Acres:	5.0

Location: ISLAND IN POND IN ROEDING PARK, ON THE E SIDE OF I-99 NORTH OF BELMONT AVE IN FRESNO.

Detailed Location: JUST SOUTHWEST OF STORYLAND. MAPPED TO PROVIDED COORDINATES. EGRET/HERON ROOKERY IS VISIBLE IN GOOGLE EARTH AIR PHOTOS.

Ecological: NESTS UNDER DENSE CANOPY OF MULBERRY TREES ON ISLAND IN POND IN CITY PARK. EGRET ROOKERIES ALSO PRESENT.

General: 1 ADULT SITTING TIGHT ON NEST, 1 ADULT CARRYING NESTING MATERIAL TO UNSEEN SECOND NEST ON 10 MAY 2012.

Owner/Manager: CITY OF FRESNO

Buteo swainsoni

Element Code: ABNKC19070

Swainson's hawk

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5

State: Threatened

State: S3

Other: BLM_S-Sensitive, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern

Habitat: **General:** BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.



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



Occurrence No.	51	Map Index:	14711	EO Index:	27242	Element Last Seen:	2017-06-10
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-06-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-10-29	
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04051 / -119.77621			Accuracy:	specific area		
UTM:	Zone-11 N4102971 E253088			Elevation (ft):	602		
PLSS:	T10S, R20E, Sec. 22, NW (M)			Acres:	13.0		
Location:	FROM 0.3 MI ENE TO 0.5 MI NNE OF HWY 41 AT RD 208 (TWENTYTWO MILE HOUSE), 5 MILES NW OF FRIANT.						
Detailed Location:	N SITE: MAPPED TO SCREENSHOT OF PROVIDED KMZ FILE. S SITE: TERRITORY MA001 FROM CDFW DATABASE AT "HWY 41 & RD 208, SECTIONS 22 AND 27;" EXACT LOCATIONS OF 1979 & 2011 DETECTIONS UNKNOWN, MAPPED TO COORDINATES GIVEN FOR 2016 DETECTIONS.						
Ecological:	2011: SURROUNDED BY ACTIVE & INACTIVE RANCLAND, RESIDENCE, VINEYARD, & BUSY HIGHWAY. 2016: NEST IN LARGE OAK TREE IN FOOTHILL WOODLANDS SURROUNDED BY GRASSLANDS, NEAR SMALL WINERY; ROADS RECEIVE LIGHT TRAFFIC. 2017: NEST IN SAME BLUE OAK.						
General:	N SITE: ACTIVE NEST SITE W/2 ADULTS & 2 YOUNG (NEAR FLEDGLING) OBSERVED 12 JUL 2011. S SITE: 2 ADULTS & 2 FLEDGLINGS OBS 1 AUG 1979; NOT FOUND IN 1994 SURVEY; NESTING PAIR OBS 28 JUN 2011; NESTING PAIR OBS MAR-APR 2016 & 10 JUN 2017.						
Owner/Manager:	PVT						

Occurrence No.	829	Map Index:	43431	EO Index:	43431	Element Last Seen:	2000-07-10
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2000-07-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-09-13	
Quad Summary:	Conejo (3611956)						
County Summary:	Fresno						
Lat/Long:	36.50472 / -119.62767			Accuracy:	1/10 mile		
UTM:	Zone-11 N4043143 E264668			Elevation (ft):	300		
PLSS:	T16S, R22E, Sec. 30, SE (M)			Acres:	0.0		
Location:	NE CORNER OF CLARKSON AVENUE AND HIGHWAY 43 (HIGHLAND AVENUE), SOUTH OF SELMA.						
Detailed Location:	MAPPED TO EUCALYPTUS GROVE AT "NE CORNER OF HWY 43 & CLARKSON AVE."						
Ecological:	HABITAT CONSISTED OF A EUCALYPTUS GROVE, WHICH WAS BEING CLEANED/TRIMMED AT THE TIME OF THE YEAR 2000 DETECTION. SOME ALFALFA FOUND GROWING BETWEEN THE ORCHARD ROWS.						
General:	NESTING PRESUMED IN 2000 DUE TO THE ACTIONS OF THE ADULTS: THEY BOTH STAYED IN THE IMMEDIATE VICINITY DESPITE THE DISTURBANCE OF TRIMMING/CUTTING IN THE EUCALYPTUS GROVE. 1 ADULT OBSERVED IN SAME GROVE BUT NO NEST FOUND, JUL 2003.						
Owner/Manager:	PVT						



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



Occurrence No.	2486	Map Index:	90142	EO Index:	91155	Element Last Seen:	2016-06-26
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-06-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-27
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04502 / -119.7617				Accuracy:	specific area	
UTM:	Zone-11 N4103434 E254393				Elevation (ft):	665	
PLSS:	T10S, R20E, Sec. 23, SW (M)				Acres:	10.0	
Location:	NORTH AND SOUTH SIDES OF RD 208 ABOUT 1.2 MILES ENE OF THE HWY 41 INTERSECTION, 4.5 MILES NW OF FRIANT.						
Detailed Location:	TWO NESTS. SE FEATURE MAPPED TO COORDINATES AND GOOGLE EARTH MAP PROVIDED FOR 2011 NEST. NW FEATURE MAPPED TO COORDINATES GIVEN FOR 2016 NEST.						
Ecological:	2011: NEST IN CLUSTER OF BLUE OAKS ON RANGELAND (ANNUAL GRASSLAND WITH SPARSE MATURE BLUE OAKS); FORAGING RED-TAILED HAWKS ALSO OBSERVED IN AREA; SURVEYOR NOTED POTENTIAL THREATS OF NEST TREE REMOVAL & DEVELOPMENT.						
General:	SWAINSON'S HAWK ROOSTING NEAR NEST OBSERVED IN VICINITY CA. 2005, NESTING NOT CONFIRMED. ADULTS OBS DELIVERING FOOD TO NEST, 1 YOUNG VISIBLE IN NEST ON 28 JUN 2011. ADULT TENDING 2 YOUNG IN NEST OBS ON 26 JUN, 1 NESTLING OBS 27 JUN 2016.						
Owner/Manager:	PVT						

Occurrence No.	2487	Map Index:	90144	EO Index:	91156	Element Last Seen:	2010-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-20
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01026 / -119.84079				Accuracy:	80 meters	
UTM:	Zone-11 N4099785 E247242				Elevation (ft):	420	
PLSS:	T11S, R19E, Sec. 01, NE (M)				Acres:	0.0	
Location:	SOUTH SIDE OF HWY 145 JUST E OF THE MADERA CANAL CROSSING, ABOUT 0.2 MI W OF THE RD 208 JUNCTION, 7 MI WNW OF FRIANT.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NEST IN EUCALYPTUS ADJACENT TO CANAL & BUSY 2-LANE HIGHWAY. ON ACTIVELY GRAZED ANNUAL GRASS-DOMINATED RANGELAND. SURVEYOR NOTED POSSIBLE THREATS OF NEST TREE REMOVAL, TRAFFIC DISTURBANCE, CONVERSION OF RANGELAND. HERON/EGRET ROOKERY NEARBY.						
General:	1 SWAINSON'S HAWK OBSERVED ON NEST, 1 CALLING OVERHEAD OBSERVED 22 MAY 2010, PAIR LATER OBSERVED FLYING OVER INTERSECTION AND CALLING.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	2494	Map Index:	90191	EO Index:	91202	Element Last Seen:	2013-05-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-06
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97722 / -119.79417				Accuracy:	80 meters	
UTM:	Zone-11 N4095995 E251283				Elevation (ft):	430	
PLSS:	T11S, R20E, Sec. 16, NW (M)				Acres:	0.0	
Location:	WEST SIDE OF HWY 41 JUST N OF THE MADERA CANAL CROSSING, ABOUT 0.7 MI N OF THE AVE 15 JUNCTION, 4.4 MI WSW OF FRIANT.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NEST WELL-HIDDEN IN DENSE FOLIAGE OF LONE EUCALYPTUS TREE BETWEEN CANAL AND HIGHWAY. SURVEYOR NOTED THAT THE CANAL FENCES OFFERED PROTECTION BUT PROXIMITY TO THE HIGHWAY MAY BE A CONCERN.						
General:	NEST-BUILDING OBSERVED ON 27 MAY, PREY EXCHANGE ON 3 JUN, AND PAIR PERCHED NEAR NEST ON 21 JUN 2013.						
Owner/Manager:	USBOR						

Occurrence No.	2507	Map Index:	90265	EO Index:	91298	Element Last Seen:	1914-04-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1914-04-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-09
Quad Summary:	Conejo (3611956)						
County Summary:	Fresno						
Lat/Long:	36.51799 / -119.71927				Accuracy:	1 mile	
UTM:	Zone-11 N4044844 E256504				Elevation (ft):	250	
PLSS:	T16S, R21E, Sec. 30 (M)				Acres:	0.0	
Location:	CONEJO.						
Detailed Location:	MAPPED TO GIVEN LOCALITY "CONEJO." EXACT COLLECTION LOCATION UNKNOWN.						
Ecological:	NEST 50' UP IN TRIPLE FORKS AT TOP OF DEAD POPLAR TREE IN FIELD. NEST A BULKY MASS OF DRY STICKS AND TWIGS LINED WITH BARK.						
General:	BIRD ON NEST OBSERVED ON 10 APR 1914, 2 EGGS WERE COLLECTED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2583	Map Index:	46277	EO Index:	91594	Element Last Seen:	1956-05-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1956-05-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-26
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:	MAPPED GENERALLY TO GIVEN LOCALITY "NEAR FRESNO," EXACT DETECTION LOCATIONS UNKNOWN.						
Ecological:							
General:	ACTIVE NEST(S) OBSERVED BY MINTURN ON 23 APR 1956 AND 4 MAY 1956, AS REPORTED IN BLOOM (1979).						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	2691	Map Index:	A2000	EO Index:	103593	Element Last Seen:	2016-04-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2016-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-28
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.95316 / -120.10889				Accuracy:	80 meters	
UTM:	Zone-10 N4093583 E757427				Elevation (ft):	250	
PLSS:	T11S, R17E, Sec. 22, SW (M)				Acres:	5.0	
Location:	NORTH SIDE OF AVE 14, ABOUT 0.1 MILES NE OF ITS INTERSECTION WITH RD 24 IN MADERA.						
Detailed Location:	MAPPED TO SYCAMORE/PLANE TREE IN FRONT YARD OF RESIDENCE, VISIBLE IN AIR PHOTOS AND GOOGLE STREET VIEW (COORDINATES GIVEN ARE CLOSE BUT NOT EXACT).						
Ecological:	NEST IN SYCAMORE/PLANE TREE IN FRONT YARD OF RESIDENCE (NEST TREE SPECIES DETERMINED FROM PROVIDED PHOTO). DISTURBANCE FROM ADJACENT BUSY ROAD AND RESIDENCES.						
General:	1 ADULT OBSERVED CIRCLING NEST TREE AND SITTING ON NEST ON 16 APR 2016.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2695	Map Index:	A2373	EO Index:	103984	Element Last Seen:	2016-06-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-06-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-17
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04524 / -119.77032				Accuracy:	80 meters	
UTM:	Zone-11 N4103481 E253627				Elevation (ft):	634	
PLSS:	T10S, R20E, Sec. 22, SE (M)				Acres:	5.0	
Location:	ABOUT 0.7 MILES NE OF HWY 41 AT RD 208 & 2.75 MILES WSW OF BERRY HILL, NW OF MILLERTON LAKE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	MOSTLY FLAT, OPEN OAK SAVANNA USED TO GRAZE CATTLE.						
General:	PAIR SEEN OFF AND ON BETWEEN MAR & JUN 2016, WITH 4 RECENT FLEDGLINGS OBSERVED FLYING AROUND NEST TREE ON 26 JUN 2016.						
Owner/Manager:	PVT						

Occurrence No.	2696	Map Index:	A2418	EO Index:	104028	Element Last Seen:	2016-07-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-07-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-31
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.92609 / -120.01794				Accuracy:	80 meters	
UTM:	Zone-10 N4090828 E765622				Elevation (ft):	273	
PLSS:	T11S, R18E, Sec. 33, SW (M)				Acres:	5.0	
Location:	NORTH SIDE OF COTTONWOOD CREEK ABOUT 0.25 MILES NW OF HWY 99 AT AVE 12, 3 MILES SE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NEST IN COTTONWOOD IN RIPARIAN AREA BETWEEN CANAL AND COTTONWOOD CREEK. AREA NORTH OF CANAL WAS INDUSTRIAL; SURROUNDING AREA AGRICULTURAL.						
General:	ACTIVE NEST MONITORED THROUGH 2016 SEASON; BY 12 JUL, 3 YOUNG HAD FLEDGED.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	2697	Map Index:	A2463	EO Index:	104070	Element Last Seen:	2017-06-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-05-17
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.94117 / -119.99664			Accuracy:	specific area		
UTM:	Zone-11 N4092542 E233132			Elevation (ft):	282		
PLSS:	T11S, R18E, Sec. 27, SW (M)			Acres:	15.0		
Location:	COTTONWOOD CREEK, ABOUT 0.4 MI SW OF THE SANTA FE DR CROSSING & 0.8 MI SE OF AVE 13 1/2 AT RD 29 1/2, SE OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. 2016: NEST OBSERVED AS PART OF PRE-CONSTRUCTION SURVEYS FOR THE CALIFORNIA HIGH-SPEED RAIL PROJECT.						
Ecological:	NESTS IN GOODDING'S WILLOWS IN SPARSE RIPARIAN CORRIDOR OF COTTONWOOD CREEK. ADJACENT TO RAILROAD TRACKS. SURROUNDING LAND USES WERE AGRICULTURE & GRAZING LAND. DISTURBANCE FROM BNSF & HIGH SPEED RAILWAYS.						
General:	1-2 FAILED NESTS & PAIR WITH 1 FLEDGLING OBSERVED IN 2016. 2 NESTS OBSERVED IN 2017; SOUTH-MOST NEST PRODUCED 2 YOUNG.						
Owner/Manager:	PVT, RAILROAD AUTHORITY						

Occurrence No.	2704	Map Index:	A2901	EO Index:	104520	Element Last Seen:	2016-06-06
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-21
Quad Summary:	Caruthers (3611957)						
County Summary:	Fresno						
Lat/Long:	36.5934 / -119.75544			Accuracy:	80 meters		
UTM:	Zone-11 N4053304 E253505			Elevation (ft):	271		
PLSS:	T15S, R20E, Sec. 26, SE (M)			Acres:	5.0		
Location:	WEST SIDE OF S CEDAR AVE ABOUT 0.2 MILES NNW OF ITS INTERSECTION WITH E DINUBA AVE, SOUTH OF BOWLES.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NEST IN OAK TREE IN YARD OF HOUSE, ADJACENT TO VINEYARD.						
General:	2 ADULTS OBSERVED COMING AND GOING FROM NEST ON 6 JUN 2016. SURVEYOR WAS UNABLE TO DETERMINE IF THERE WERE EGGS OR CHICKS IN THE NEST.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	2706	Map Index:	A2911	EO Index:	104532	Element Last Seen:	2016-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-21
Quad Summary:	Conejo (3611956)						
County Summary:	Fresno						
Lat/Long:	36.55096 / -119.73772				Accuracy:	80 meters	
UTM:	Zone-11 N4048549 E254956				Elevation (ft):	266	
PLSS:	T16S, R20E, Sec. 12, SE (M)				Acres:	5.0	
Location:	0.25 MI NNW OF S CHESTNUT AVE AT E MOUNTAIN VIEW AVE & 1.2 MI SE OF S CEDAR AVE AT E NEBRASKA AVE, S OF MONMOUTH.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	STICK NEST IN ROADSIDE EUCALYPTUS ADJACENT TO INACTIVE AGRICULTURAL LAND AND ANNUAL GRASSLANDS.						
General:	2 ADULTS OBSERVED CARRYING STICKS TO STICK NEST ON 21 APR 2016. NESTING OUTCOME UNKNOWN.						
Owner/Manager:	PVT						

Occurrence No.	2720	Map Index:	A5139	EO Index:	106840	Element Last Seen:	2016-06-20
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2016-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-29
Quad Summary:	Malaga (3611966), Fresno South (3611967)						
County Summary:	Fresno						
Lat/Long:	36.67196 / -119.75036				Accuracy:	80 meters	
UTM:	Zone-11 N4062008 E254209				Elevation (ft):	288	
PLSS:	T14S, R20E, Sec. 36, NW (M)				Acres:	5.0	
Location:	W SIDE OF RR TRACKS ABOUT 0.25 MI NE OF E MALAGA AVE AT S CEDAR AVE, 0.7 MI SW OF HWY 99 AT E CENTRAL AVE, SOUTH FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NEST IN TREE IN NON-NATIVE GRASSLAND WITHIN PASTURE WITH SCATTERED TREES. ADJACENT TO ROAD AND RAILROAD IN AGRICULTURAL AND RURAL RESIDENTIAL AREA.						
General:	NEST MONITORED IN 2016; ONE YOUNG WAS SUCCESSFULLY FLEDGED.						
Owner/Manager:	PVT						

Occurrence No.	2724	Map Index:	A6297	EO Index:	108052	Element Last Seen:	2016-07-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-07-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-08
Quad Summary:	Biola (3612071)						
County Summary:	Madera						
Lat/Long:	36.85106 / -120.08382				Accuracy:	80 meters	
UTM:	Zone-10 N4082320 E760007				Elevation (ft):	237	
PLSS:	T12S, R17E, Sec. 35, NW (M)				Acres:	5.0	
Location:	SOUTH SIDE OF AVE 7, ABOUT 0.5 MILES E OF THE S GRANADA DR INTERSECTION AND 1.5 MILES W OF RIPPERDAN.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:							
General:	PAIR OBSERVED MATING AND BUILDING NEST DURING SURVEYS MAR-JUL 2016.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	2775	Map Index:	B3341	EO Index:	115257	Element Last Seen:	2017-05-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-07-10
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.99076 / -119.86749				Accuracy:	specific area	
UTM:	Zone-11 N4097692 E244802				Elevation (ft):	392	
PLSS:	T11S, R19E, Sec. 11, NW (M)				Acres:	10.0	
Location:	EAST SIDE OF ANACONDA RD, ABOUT 0.1-0.25 MI N OF THE AVENUE 16 1/2 INTERSECTION, MADERA RANCHOS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. 2017 SITE NORTH OF 2016 SITE.						
Ecological:	2016: NEST IN TREE IN YARD OF PRIVATE RESIDENCE. 2017: NEST APPEARS TO BE IN SYCAMORE TREE IN RESIDENTIAL AREA.						
General:	NESTING PAIR WITH 2 YOUNG REPORTEDLY OBSERVED ON 26 JUN 2016; REPORTEDLY, SWAINSON'S HAWKS HAD NESTED HERE IN PREVIOUS YEARS AS WELL. PAIR OBSERVED BUILDING NEST ON 13 MAY 2017.						
Owner/Manager:	PVT						

<i>Coccyzus americanus occidentalis</i>				Element Code: ABNRB02022			
western yellow-billed cuckoo							
Listing Status:	Federal:	Threatened			CNDDDB Element Ranks:	Global:	G5T2T3
	State:	Endangered				State:	S1
	Other:	BLM_S-Sensitive, NABCI_RWL-Red Watch List, 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, WITH 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, SW (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						



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



Occurrence No.	197	Map Index:	34860	EO Index:	96983	Element Last Seen:	1883-06-17
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1883-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-13
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):	270	
PLSS:	T12S, R20E, Sec. 09 (M)				Acres:	0.0	
Location:	VICINITY OF THE SAN JOAQUIN RIVER, ABOUT 9 MILES NORTH OF FRESNO.						
Detailed Location:							
Ecological:							
General:	NEST COLLECTED ON 10 JUN 1883. 5 EGGS COLLECTED 10 JUN, 4 ADDITIONAL TAKEN 17 JUN 1883.						
Owner/Manager:	UNKNOWN						

Occurrence No.	198	Map Index:	95841	EO Index:	96985	Element Last Seen:	1898-07-08
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1898-07-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-13
Quad Summary:	Selma (3611955), Conejo (3611956)						
County Summary:	Fresno						
Lat/Long:	36.57134 / -119.61218				Accuracy:	1 mile	
UTM:	Zone-11 N4050498 E266256				Elevation (ft):	300	
PLSS:	T16S, R22E, Sec. 06 (M)				Acres:	0.0	
Location:	SELMA.						
Detailed Location:							
Ecological:							
General:	2 EGGS COLLECTED ON 8 JUL 1898 (USNM #B 44012).						
Owner/Manager:	UNKNOWN						

<i>Athene cunicularia</i>				Element Code: ABNSB10010			
burrowing owl							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G4	
	State:	None			State:	S3	
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern					
Habitat:	General:	OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.					
	Micro:	SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.					



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



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, SE (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.	473	Map Index:	48626	EO Index:	48626	Element Last Seen:	2002-06-06
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2002-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-08-21
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01102 / -119.83499			Accuracy:	specific area		
UTM:	Zone-11 N4099853 E247761			Elevation (ft):	435		
PLSS:	T10S, R20E, Sec. 31, SW (M)			Acres:	11.2		
Location:	0.2 MILE EAST OF THE INTERSECTION OF ROAD 208 AND HIGHWAY 145, 3.7 MILES WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	SITE CONSISTS OF TWO BURROW COMPLEXES WITHIN CLOSE PROXIMITY; ONE BURROW COMPLEX HAS BURROWS SCATTERED A FEW HUNDRED FEET NORTH OF HWY 145, AND THE SECOND IS A SINGLE BURROW LOCATED 50 FEET NORTH OF ROW FENCELINE.						
Ecological:	HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND. ABUNDANT CALIFORNIA GROUND SQUIRREL POPULATION.						
General:	ON 6 JUN 2002, 7 INDIVIDUALS (INCLUDING AT LEAST 4 ADULTS) WERE OBSERVED AT THE LARGER BURROW COMPLEX, AND 2 ADULTS WERE OBSERVED AT THE SINGLE BURROW.						
Owner/Manager:	PVT						



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



Occurrence No.	536	Map Index:	49176	EO Index:	49176	Element Last Seen:	1991-12-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1991-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-10-29
Quad Summary:	Kearney Park (3611968)						
County Summary:	Fresno						
Lat/Long:	36.63222 / -119.93642			Accuracy:	nonspecific area		
UTM:	Zone-11 N4058091 E237442			Elevation (ft):	225		
PLSS:	T15S, R19E, Sec. 18, NE (M)			Acres:	23.3		
Location:	RADIO FACILITY ALONG NE SIDE OF HENDERSON ROAD, 2.5 MILES NW OF RAISIN CITY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF VALLEY SINK SCRUB, DOMINATED BY ATRIPLEX AND SUAEDA.						
General:	2 OWLS AND AN ACTIVE BURROW OBSERVED ON 14 JUL 1989. 3 ADULT OWLS AT ACTIVE BURROWS OBSERVED IN DEC 1991.						
Owner/Manager:	UNKNOWN						

Occurrence No.	537	Map Index:	49177	EO Index:	49177	Element Last Seen:	1991-12-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1991-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-10-29
Quad Summary:	Raisin (3611958)						
County Summary:	Fresno						
Lat/Long:	36.60334 / -119.92410			Accuracy:	80 meters		
UTM:	Zone-11 N4054852 E238446			Elevation (ft):	230		
PLSS:	T15S, R19E, Sec. 29, NE (M)			Acres:	0.0		
Location:	SOUTH SIDE OF MANNING AVENUE, BETWEEN CHATEAU FRESNO AVENUE AND GRANTLAND AVENUE, WEST SIDE OF RAISIN CITY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A WEEDY, ABANDONED ORCHARD, WHERE THE TREES HAVE BEEN CUT AND REMOVED.						
General:	2 OWLS AT AN ACTIVE BURROW OBSERVED IN DEC 1991.						
Owner/Manager:	UNKNOWN						

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, NW (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						



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



Occurrence No.	745	Map Index:	62214	EO Index:	62250	Element Last Seen:	2005-07-29
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2005-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-08-05
Quad Summary:	Kearney Park (3611968)						
County Summary:	Fresno						
Lat/Long:	36.66276 / -119.97057			Accuracy:	80 meters		
UTM:	Zone-11 N4061574 E234493			Elevation (ft):	225		
PLSS:	T14S, R18E, Sec. 36, SW (M)			Acres:	0.0		
Location:	OFF DICKENSON AND MCMULLIN, 6 MILES SE OF KERMAN.						
Detailed Location:	SITE CONSISTS OF A SMALL TRIANGLE OF LAND USED AS A TURN-AROUND. BURROWS WERE 4-6 FEET OFF ROAD SHOULDER.						
Ecological:	HABITAT CONSISTS OF MOSTLY BARREN LAND, WITH A FEW TELEGRAPH WEEDS AND DOVEWEED PLANTS; SURROUNDED BY AGRICULTURE (ROW CROPS AND VINEYARDS).						
General:	UP TO 5 BURROWS AND 4 ADULTS WERE OBSERVED ON 29 JUL 2005.						
Owner/Manager:	UNKNOWN						
Occurrence No.	757	Map Index:	62822	EO Index:	62876	Element Last Seen:	2005-02-24
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2005-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-10-17
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.98492 / -120.09909			Accuracy:	80 meters		
UTM:	Zone-10 N4097134 E758193			Elevation (ft):	255		
PLSS:	T11S, R17E, Sec. 10, SE (M)			Acres:	0.0		
Location:	0.2 MILE NORTH OF AVENUE 16 AND 0.7 MILE WEST OF HIGHWAY 99, JUST EAST OF MADERA AIRPORT.						
Detailed Location:							
Ecological:	HABITAT CONSISTED OF RUDERAL/NON-NATIVE GRASSLAND ON A WEST-FACING SLOPE. SURROUNDED BY A PONDING BASIN AND AGRICULTURE.						
General:	AFTER THE OWL HAD LEFT THE BURROW, AND IT WAS DETERMINED THAT THERE WERE NO EGGS OR YOUNG INSIDE, THE SITE WAS GRADED TO ENLARGE THE PONDING BASIN.						
Owner/Manager:	USBOR						



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



Occurrence No.	846	Map Index:	66138	EO Index:	66217	Element Last Seen:	2009-06-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-03-08
Quad Summary:	Raisin (3611958)						
County Summary:	Fresno						
Lat/Long:	36.59355 / -119.98866				Accuracy:	80 meters	
UTM:	Zone-11 N4053944 E232636				Elevation (ft):	213	
PLSS:	T15S, R18E, Sec. 26, SW (M)				Acres:	0.0	
Location:	MCMULLIN SUBSTATION, EAST SIDE OF JAMESON AVE, 0.25 MILE SOUTH OF DINUBA AVE, 5 MILES WEST OF RAISIN CITY.						
Detailed Location:							
Ecological:	HABITAT SURROUNDING BURROWS CONSISTS OF ACTIVE AGRICULTURE; SITE IS HEAVILY-DISTURBED WITH NO NATURAL VEGETATION. NUMEROUS GROUND SQUIRRELS IN 2006, FEW IN 2015, NONE IN 2016. SITE QUALITY NOTED AS "POOR" IN 2006 AND "GOOD" IN 2008-2009.						
General:	1 MALE PERCHED ON FENCE & 2 BURROWS WITH OWL SIGN OBSERVED ON 1 JUN 2006. 3 NON-DEFENSIVE ADULTS OBS 26 JUN 2008. 2 ADULTS & 3 JUV (<2 WEEKS OLD) AT SEPARATE BURROW ENTRANCES OBS 25 JUN 2009. 0 OBS 2 JUN 2015 & 7 JUN 2016.						
Owner/Manager:	UNKNOWN, PVT-PGE						

Occurrence No.	855	Map Index:	66208	EO Index:	66288	Element Last Seen:	2006-04-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-13
Quad Summary:	Piedra (3611974), Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.81295 / -119.49626				Accuracy:	nonspecific area	
UTM:	Zone-11 N4077031 E277328				Elevation (ft):	500	
PLSS:	T13S, R23E, Sec. 08 (M)				Acres:	77.0	
Location:	SE OF ROUND MOUNTAIN, APPROXIMATELY 8 MILES NNE OF SANGER.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND. SURROUNDING LAND USE INCLUDES LIVESTOCK GRAZING, ORCHARDS, AND HOMES.						
General:	6 BURROW SITES AND 16 ADULT OWLS OBSERVED DURING APR 2006.						
Owner/Manager:	PVT						



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



Occurrence No.	1163	Map Index:	71587	EO Index:	72488	Element Last Seen:	2016-06-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-21
Quad Summary:	Helm (3612051), Kerman (3612061)						
County Summary:	Fresno						
Lat/Long:	36.62808 / -120.01648			Accuracy:	specific area		
UTM:	Zone-10 N4057762 E766785			Elevation (ft):	208		
PLSS:	T15S, R18E, Sec. 16, SW (M)			Acres:	29.0		
Location:	S MCMULLIN GRADE ROAD & VICINITY, 0.5 MI NE OF THE INTERSECTION OF S HOWARD AVE & W SOUTH AVE, 7.0 MI SSE OF KERMAN.						
Detailed Location:	1986: OWLS DETECTED IN VICINITY, EXACT LOCATIONS UNKNOWN. 2008: BURROWS LOCATED WITHIN A THIN STRIP OF AN ELEVATED EARTHEN BERM BETWEEN MCMULLIN GRADE RD & JAMES IRRIGATION DISTRICT CANAL. 2016: MAPPED TO PROVIDED COORDINATES N OF THE ROAD.						
Ecological:	2008: BURROWS ALONG A HEAVILY TRAVELED COUNTY ROAD, INTENSIVE AGRICULTURE (GRAPES & ROW CROPS) & SEVERAL OUTLYING FALLOW FIELDS; OWLS HIGHLY ACCLIMATED TO ROAD TRAFFIC. 2016: BURROWS ALONG IRRIGATION CANAL ADJACENT TO ROW CROPS & ORCHARDS.						
General:	UP TO 5 PAIRS OBSERVED IN 1986. 2 PAIRS OBS IN 2008; 1 PAIR WAS UNSUCCESSFUL IN BREEDING, THE 2ND HAD 5 YOUNG, 2 OF WHICH WERE FOUND DEAD AT THE BURROW, PRESUMABLY BY INFANTICIDE. 2 PAIRS IN 2016: 1 WITH 5 YOUNG, AND THE OTHER WITH 3 YOUNG.						
Owner/Manager:	FRE COUNTY, PVT						

Occurrence No.	1962	Map Index:	A1556	EO Index:	103145	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-23
Quad Summary:	Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.78531 / -119.72842			Accuracy:	1/10 mile		
UTM:	Zone-11 N4074529 E256529			Elevation (ft):	331		
PLSS:	T13S, R21E, Sec. 19, SE (M)			Acres:	18.0		
Location:	NORTHWEST END OF FRESNO AIRPORT, JUST SOUTH DAKOTA AVE, FRESNO.						
Detailed Location:	CENSUS BLOCK 4070-255. MAPPED TO PROVIDED COORDINATES.						
Ecological:							
General:	3 BREEDING PAIRS KNOWN TO HAVE BEEN PRESENT SOMETIME DURING 1981-1990, AND KNOWN OR ASSUMED TO HAVE BEEN PRESENT DURING 1986-1990. NOT OBSERVED DURING 1991-1993 STATEWIDE SURVEY.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	1963	Map Index:	A1557	EO Index:	103146	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-08-23		
Quad Summary:	Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.77336 / -119.65138			Accuracy:	1/10 mile		
UTM:	Zone-11 N4073010 E263368			Elevation (ft):	351		
PLSS:	T13S, R21E, Sec. 26, SE (M)			Acres:	18.0		
Location:	REDBANK SLOUGH, ABOUT 0.5 MILES SW OF N DEWOLF AVE AT E SHIELDS AVE, SE OF CLOVIS.						
Detailed Location:	CENSUS BLOCK 4070-260. MAPPED TO PROVIDED COORDINATES.						
Ecological:							
General:	2 BREEDING PAIRS KNOWN TO HAVE BEEN PRESENT SOMETIME DURING 1981-1990, AND KNOWN OR ASSUMED TO HAVE BEEN PRESENT DURING 1986-1990. NOT OBSERVED DURING 1991-1993 STATEWIDE SURVEY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1992	Map Index:	A3088	EO Index:	104713	Element Last Seen:	2016-06-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2016-06-01		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-01-25		
Quad Summary:	Kerman (3612061)						
County Summary:	Fresno						
Lat/Long:	36.65341 / -120.02508			Accuracy:	80 meters		
UTM:	Zone-10 N4060548 E765928			Elevation (ft):	213		
PLSS:	T15S, R18E, Sec. 5, SE (M)			Acres:	5.0		
Location:	ABOUT 0.6 MI S OF S HOWARD AVE AT W AMERICAN AVE AND 1.1 MI NW OF S BISHOP AVE AT W LINCOLN AVE, 5 MI SSE OF Kerman.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	BURROW NEXT TO IRRIGATION CANAL ADJACENT TO ROW CROPS AND ORCHARDS.						
General:	PAIR WITH 5 YOUNG OBSERVED AT BURROW SITE ON 1 JUN 2016.						
Owner/Manager:	PVT						



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



Eremophila alpestris actia

Element Code: ABPAT02011

California horned lark

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T4Q
	State: None		State: S4
	Other: CDFW_WL-Watch List, IUCN_LC-Least Concern		
Habitat:	General: COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND 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, S (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



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



Vireo bellii pusillus

Element Code: ABPBW01114

least Bell's vireo

Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G5T2
	State: Endangered		State: S2
	Other: IUCN_NT-Near Threatened, NABCI_YWL-Yellow Watch List		
Habitat:	General: SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.		
	Micro: NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.		

Occurrence No.	505	Map Index:	91510	EO Index:	92586	Element Last Seen:	1912-05-16
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1912-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-10

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long:	36.78960 / -119.69871	Accuracy:	1 mile
UTM:	Zone-11 N4074931 E259193	Elevation (ft):	345
PLSS:	T13S, R21E, Sec. 21 (M)	Acres:	0.0

Location: VICINITY OF TARPEY, SOUTH OF CLOVIS, NORTHEAST OF FRESNO.

Detailed Location: MAPPED GENERALLY TO TARPEY. PROVIDED LOCATION DESCRIPTION WAS "TARPEY, GOVED DITCH." GOVED DITCH MAY REFER TO GOULD CANAL, WHICH RUNS ALONG THE WESTERN AND NORTHERN EDGE OF TAPEY (1923 CLOVIS 7.5 MIN TOPO MAP).

Ecological: AREA IS HEAVELY DEVELOPED BASED ON AERIAL IMAGES FROM 1998-2013. GOULD CANAL STILL PRESENT BUT LACKS VEGETATION AND IS SURROUNDED BY RESIDENTIAL AND COMMERCIAL BUILDINGS.

General: EGG SET CONSISTING OF 4 EGGS COLLECTED (WFVZ #33084) BY J. TYLER ON 16 MAY 1912; INCUBATION CONSIDERED "WELL BEGUN." A BIRD WAS ALSO OBSERVED ON THE NEST.

Owner/Manager: UNKNOWN

Occurrence No.	506	Map Index:	91511	EO Index:	92587	Element Last Seen:	1906-05-25
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1906-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-10

Quad Summary: Clovis (3611976)

County Summary: Fresno

Lat/Long:	36.82290 / -119.70690	Accuracy:	1 mile
UTM:	Zone-11 N4078646 E258567	Elevation (ft):	360
PLSS:	T13S, R21E, Sec. 08 (M)	Acres:	0.0

Location: CLOVIS, NORTHEAST OF FRESNO.

Detailed Location: PROVIDED LOCATION DESCRIPTION WAS "CLOVIS." MAPPED GENERALLY TO CLOVIS POST OFFICE. MAY HAVE COME FROM CLOVIS DITCH NEAR NORTH END OF TOWN WHICH APPEARS ON 1947 TOPO.

Ecological: NEST WAS CONSTRUCTED IN A WILLOW TREE. AREA IS HEAVELY DEVELOPED BASED ON AERIAL IMAGES FROM 1998-2013 AND IS SURROUNDED BY RESIDENTIAL AND COMMERCIAL BUILDINGS.

General: EGG SET CONSISTING OF 4 EGGS COLLECTED (WFVZ #33083) BY J. TYLER ON 25 MAY 1906; EGG INCUBATION CLASSIFIED AS BEING "FRESH." A VIREO WAS ALSO OBSERVED PERCHED NEAR NEST.

Owner/Manager: UNKNOWN

Agelaius tricolor

Element Code: ABPBXB0020

tricolored blackbird

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2G3
	State: Threatened		State: S1S2



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



	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, 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, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.					
Occurrence No.	104	Map Index:	15033	EO Index:	6583	Element Last Seen:	1982-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-01
Quad Summary:	Round Mountain (3611975), Academy (3611985)						
County Summary:	Fresno						
Lat/Long:	36.87142 / -119.58940			Accuracy:	2/5 mile		
UTM:	Zone-11 N4083739 E269195			Elevation (ft):	460		
PLSS:	T12S, R22E, Sec. 20, SE (M)			Acres:	0.0		
Location:	DRY CREEK, NE OF THE INTERSECTION OF FRIANT-KERN CANAL AND TOLLHOUSE ROAD, 6.5 MILES NE OF CLOVIS.						
Detailed Location:	1982 LOCATION DESCRIBED AS "DRY CREEK, FRIANT-KERN CANAL & TOLLHOUSE RD." TOWNSHIP RANGE SECTION: T12S, R22E, S20, SE. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "FRIANT-KERN CANAL #2."						
Ecological:	HABITAT IS CATTAIL/TULE MARSH, POSSIBLY CREATED OR ENHANCED BY BARRIER EFFECT OF FRIANT-KERN CANAL ON UPSLOPE DRAINAGE. MARSH DRYING OUT IN 1994. ABOUT 200M OF DEAD CATTAILS ALONG CANAL IN 1999. OCCUPIED BY SWALLOWS & RWBL IN 2011 & 2014.						
General:	NESTING OBS IN 1982. NO BIRDS PRESENT IN 1988, HABITAT EXTANT. ~200 BIRDS OBS ROOSTING ON 23 APR 1994. ~100 ROOSTING BIRDS OBS ON 24 APR 1999. 0 BIRDS OBS ON 17 APR 2011 & 18 APR 2014. ~200 OBS ON 30 MAR, 20 BY 18 APR 2015; NOT BREEDING.						
Owner/Manager:	UNKNOWN						
Occurrence No.	172	Map Index:	17171	EO Index:	9695	Element Last Seen:	1994-04-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-25
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.80902 / -119.56744			Accuracy:	specific area		
UTM:	Zone-11 N4076763 E270966			Elevation (ft):	400		
PLSS:	T13S, R22E, Sec. 10, SW (M)			Acres:	12.0		
Location:	ALONG N SIDE OF SHAW AVE, ABOUT 0.6 MI W OF INTERSECTION WITH ACADEMY AVE, S SIDE OF ENTERPRISE CANAL, N OF SANGER.						
Detailed Location:	COLONY DATA STORED IN UC DAVIS TRBL PORTAL; "SHAW AVENUE AT ACADEMY AVE." MOST FORAGING OCCURRED IN AN IRRIGATED PASTURE TO THE W, UP TO THE LIMITS OF REDBANK CEMETERY. SOME FORAGING IN ANNUAL GRASSLANDS, INTERSPERSED WITH HOUSES TO THE S.						
Ecological:	COLONY NESTED IN A SMALL CATTAIL/TULE MARSH. THE QUALITY AND INTEGRITY OF THE FORAGING AREAS MAY BE IMPORTANT TO THE CONTINUED USE OF THE MARSH AS NESTING HABITAT (1990). NO SUITABLE NESTING HABITAT NOTED IN 1999 AND 2014.						
General:	ABOUT 1,000-1,500 OBS NESTING ON 14 MAY 1990. ABOUT 200-500 NESTING BIRDS OBSERVED ON 23 APR 1994. 0 OBSERVED ON 24 APR 1999 & 17 APR 2011. A FEW TRICOLORED BLACKBIRDS OBSERVED AMONG RED-WINGED AND BREWER'S ON 18 APR 2014; NON-NESTING.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	269	Map Index:	24424	EO Index:	6138	Element Last Seen:	1975-07-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1975-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-24
Quad Summary:	Fresno North (3611977)						
County Summary:	Fresno						
Lat/Long:	36.82490 / -119.75560				Accuracy:	1/10 mile	
UTM:	Zone-11 N4078993 E254229				Elevation (ft):	330	
PLSS:	T13S, R20E, Sec. 02, SE (M)				Acres:	0.0	
Location:	JUST NW OF BULLARD AVENUE & CEDAR AVENUE INTERSECTION, 0.5 MI SE OF SIERRA AVE & MILLBROOK AVE INTERSECTION, FRESNO.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "BULLARD AVE AT CEDAR AVE." LOCATION DESCRIBED AS "NORTHWEST CORNER OF BULLARD AND CEDAR AVENUES IN FRESNO, T13S, R20E, SEC. 2 SE."						
Ecological:	NESTING SUBSTRATE IS A CATTAIL MARSH. SIZE OF COLONY WAS 3-4 ACRES, AND IS LOCATED IN A FLOOD CONTROL BASIN. BEEDY (1991) CLASSIFIED LOCATION AS "DEFINITELY EXTIRPATED; HABITAT ELIMINATED."						
General:	ABOUT 3,000 INDIVIDUAL BIRDS OBSERVED ON JUN-JUL 1975; SEVERAL OBS INDICATED SUCCESSFUL NESTING. COLONY FORAGED & WAS PROBABLY MAINTAINED ON CSUF AG FIELD TO THE EAST. COLONY ABANDONED BECAUSE HABITAT ELIMINATED FOR BASIN MAINTENANCE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	413	Map Index:	55552	EO Index:	55552	Element Last Seen:	1995-06-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-07
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.7994 / -119.5219				Accuracy:	1/10 mile	
UTM:	Zone-11 N4075587 E275002				Elevation (ft):	0	
PLSS:	T13S, R22E, Sec. 13, SE (M)				Acres:	18.0	
Location:	W SIDE OF ZEDIKER AVE, 0.5 MI NNW OF ASHLAN AVE INTERSECTION & 0.5 MI SSW OF SHAW AVE INTERSECTION, NNE OF SANGER.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAP LOCATIONS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES "ENTERPRISE CANAL" & "ZEDIKER AVENUE AT SHAW AVENUE." COLONY ALONG THE N SIDE OF ENTERPRISE CANAL.						
Ecological:	NESTING IN BULRUSHES IN 1995. SMALL PARCEL ADJACENT TO RURAL ROAD IN A RURAL RESIDENTIAL AREA IN 2011, GOOD NESTING SUBSTRATE (MATURE THISTLE & MUSTARD). SPARSE BULRUSH-CATTAIL MARSH IN 2014.						
General:	10,000 BIRDS OBSERVED NESTING ON 14 MAY 1995. 1,000+ OBSERVED NESTING ON 21 MAY 1995. AN ESTIMATED 15,000 BIRDS OBSERVED ON 3 JUN 1995; BEHAVIOR DESCRIBED AS SINGING & CARRYING FOOD. 0 OBS ON 24 APR 1999, 17 APR 2011 & 18 APR 2014.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	450	Map Index:	78876	EO Index:	79840	Element Last Seen:	2010-05-05
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-06-16
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01136 / -119.79504				Accuracy:	80 meters	
UTM:	Zone-11 N4099786 E251317				Elevation (ft):	460	
PLSS:	T10S, R20E, Sec. 33, SW (M)				Acres:	0.0	
Location:	NORTHWEST CORNER OF HWY 145 (ROAD 145) AND HWY 41 (SOUTHERN YOSEMITE HWY), FRIANT.						
Detailed Location:	LOCATION STATED AS "ABOUT 250 FT NW OF HWY 41 AND HWY 145."						
Ecological:	GRAZED ANNUAL GRASSLAND/RANGELAND. MIXED FLOCK OF NESTING TRICOLORED & RED-WINGED BLACKBIRDS. ERYNGIUM SPINOSEPALUM, SPEA HAMMONDII, LINDERIELLA OCCIDENTALIS, BRANCHINECTA LYNCHI, B. MESOVALLENSIS, & AMBYSTOMA CALIFORNIENSE OCCUR NEARBY.						
General:	ABOUT 1,000 BIRDS WERE ESTIMATED NESTING IN THISTLE ON 5 MAY 2010.						
Owner/Manager:	PVT						

Occurrence No.	662	Map Index:	97497	EO Index:	98799	Element Last Seen:	2005-06-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-07
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.79540 / -119.51700				Accuracy:	1/5 mile	
UTM:	Zone-11 N4075131 E275427				Elevation (ft):	420	
PLSS:	T13S, R23E, Sec. 18, SE (M)				Acres:	0.0	
Location:	JUST NE OF ASHLAN AVE & ZEDIKER RD INTERSECTION, 0.3 MI NW OF ASHLAND AVE & RIVERBEND AVE, NNE OF SANGER.						
Detailed Location:	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "ZEDIKER AVENUE." LOCATION DESCRIBED AS "E OF ZEDIKER AVENUE, 100 YARDS N OF ASHLAN AVENUE." MAPPED AS BEST GUESS TO PROVIDED LOCATION IN PORTAL AND LOCATION DESCRIPTION.						
Ecological:	MILK THISTLE. SITE WAS ONLY A MOWED PASTURE GRASS AND FORBS IN 2015; NO NESTING SUBSTRATE PRESENT.						
General:	0 OBSERVED ON 24 APR 1999. ABOUT 250 OBSERVED ON 4 JUN 2005; BEHAVIOR DESCRIBED AS "ADULTS CARRYING FOOD, FLEDGLINGS OUT OF NEST." ABOUT 50 OBS ON 17 APR 2011; FLYING TO A FURROW IN ACTIVELY GRAZED FIELD. 0 OBS ON 18 APR 2014 & 18 APR 2015.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	663	Map Index:	97499	EO Index:	98804	Element Last Seen:	1974-05-28
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1974-05-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-12-03
Quad Summary:	Clovis (3611976), Fresno North (3611977)						
County Summary:	Fresno						
Lat/Long:	36.85790 / -119.73890				Accuracy:	1 mile	
UTM:	Zone-11 N4082611 E255823				Elevation (ft):	365	
PLSS:	T12S, R20E, Sec. 25 (M)				Acres:	0.0	
Location:	VICINITY OF TEAGUE DITCH, ABOUT 4.4 MI NE OF HWY 41 & HWY 168 INTERSECTION, NW OF CLOVIS.						
Detailed Location:	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "NORTHWEST CLOVIS." LOCATION DESCRIBED AS "THREE MILES NORTHWEST OF CLOVIS." MAPPED AS BEST GUESS BY CNDDB TO ~3 MI NW OF CLOVIS USING A 1972 USGS TOPO FOR CLOVIS QUAD.						
Ecological:	BLACKBERRY THICKETS. AERIAL IMAGERY FROM 1998-2014 SHOWS THAT AREA HAS BEEN HEAVILY DEVELOPED, MINIMAL TO NO SUITABLE HABITAT VISIBLE.						
General:	ABOUT 2,300 INDIVIDUAL BIRDS OBSERVED ON 28 MAY 1974; MANY NESTS FOUND DURING VISIT, BOTH ACTIVE AND INACTIVE. SUCCESSFUL NESTING INDICATED BY OBSERVATION OF 200-300 FLEDGED YOUNG.						
Owner/Manager:	UNKNOWN						

Occurrence No.	664	Map Index:	97501	EO Index:	98806	Element Last Seen:	1975-04-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1975-04-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-09-14
Quad Summary:	Clovis (3611976), Fresno North (3611977)						
County Summary:	Fresno						
Lat/Long:	36.81280 / -119.74611				Accuracy:	3/5 mile	
UTM:	Zone-11 N4077625 E255037				Elevation (ft):	340	
PLSS:	T13S, R20E, Sec. 12 (M)				Acres:	0.0	
Location:	ABOUT 0.7 MI WNW OF HWY 168 & SHAW AVE INTERSECTION, 0.9 MI NE OF GETTYSBURG AVE & CEDAR AVE INTERSECTION, CSU FRESNO.						
Detailed Location:	LOCATION DESCRIBED ONLY AS "CALIFORNIA STATE UNIVERSITY, FRESNO CAMPUS." EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB TO CSU FRESNO MAIN CAMPUS. SMALL PONDS AND POSSIBLE NESTING HABITAT OBSERVED TO THE E AND N.						
Ecological:	DATA NOT AVAILABLE FOR HABITAT.						
General:	ABOUT 121 INDIVIDUAL BIRDS OBSERVED ON 9 APR 1975; FLOCK TOOK OVER REDWING COLONY FOR FIRST TIME, MANY SUCCESSFUL NESTS NOTED.						
Owner/Manager:	CSU-FRESNO						



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



Occurrence No.	955	Map Index:	A1890	EO Index:	103498	Element Last Seen:	2011-06-04
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2011-06-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-09-22	
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.0774 / -119.8642			Accuracy:	1/10 mile		
UTM:	Zone-11 N4107297 E245384			Elevation (ft):	523		
PLSS:	T10S, R19E, Sec. 11, NE (M)			Acres:	18.0		
Location:	ON S SIDE OF ROAD 406, 1.2 MI E OF ROAD 400 INTERSECTION, 4.7 MI SE OF ROAD 600 & ROAD 603 INTERSECTION, NE OF MADERA.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "BATES STATION ROAD." MAPPED ACCORDING TO PROVIDED LOCATION IN THE PORTAL.						
Ecological:	MILK THISTLE.						
General:	A BREEDING COLONY OF ABOUT 4,500 BIRDS OBSERVED ON 4 JUN 2011.						
Owner/Manager:	PVT						

Occurrence No.	956	Map Index:	A1891	EO Index:	103499	Element Last Seen:	1995-06-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-04-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-09-27	
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.062 / -119.7884			Accuracy:	2/5 mile		
UTM:	Zone-11 N4105388 E252074			Elevation (ft):	613		
PLSS:	T10S, R20E, Sec. 16, NE (M)			Acres:	280.0		
Location:	ALONG ROAD 209, ABOUT 2.9 MI N OF HWY 41 INTERSECTION, NW OF MILLERTONI LAKE, NE OF MADERA.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "ROAD 209." MAPPED ACCORDING TO THE PROVIDED MAP AND PORTAL LOCATION. LOCATION FOR 1995 WAS "1.3 MI FROM 209 & 208 JUNCTION."						
Ecological:	1995 COLONY NESTED IN THISTLES. NO SUITABLE HABITAT, MOSTLY SHORT GRASS IN 2014. SMALL POND VISIBLE IN 1998 AERIAL IMAGERY, POSSIBLY THE SAME LOCATION OCCUPIED BY THE 1995 COLONY.						
General:	A NESTING COLONY OF ABOUT 200 BIRDS OBSERVED ON 17 MAY 1995. ABOUT 500-1,000 OBSERVED NESTING ON 13 JUN 1995; FLEDGLINGS PRESENT, CATERPILLARS FOR FOOD. 0 BIRDS OBSERVED ON 19 APR 2014.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	957	Map Index:	A1892	EO Index:	103500	Element Last Seen:	2005-06-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-22
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.0104 / -119.8103				Accuracy:	2/5 mile	
UTM:	Zone-11 N4099719 E249957				Elevation (ft):	445	
PLSS:	T11S, R20E, Sec. 5 (M)				Acres:	280.0	
Location:	ALONG HWY 145, 0.9 MI W OF HWY 41 INTERSECTION, W OF MILLERTON LAKE, ENE OF MADERA.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HIGHWAY 145." MAPPED ACCORDING TO PROVIDED LOCATION IN THE PORTAL.						
Ecological:	HABITAT COMPOSED OF MILK THISTLE. AREA GRAZED AND VEGETATION HEIGHT WAS SHORT AND IMMATURE IN 2008. MINIMAL THISTLE AND MUSTARD ALONG A FENCE. NO NESTING HABITAT IN 2014.						
General:	ABOUT 600 BIRDS OBSERVED ON 23 APR 2005. ABOUT 1,100 BIRDS OBSERVED ON 24 APR 2005; 300 IN THISTLES, 800 IN THE VICINITY. ABOUT 120 OBSERVED ON 5 JUN 2005. 0 OBSERVED ON 25-26 APR 2008 AND 19 APR 2014. COLONY PRESUMED NESTING IN 2005.						
Owner/Manager:	UNKNOWN						

<i>Mylopharodon conocephalus</i>				Element Code: AFCJB25010			
hardhead							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3
	State:	None				State:	S3
	Other:	CDFW_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 AND SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.					

Occurrence No.	12	Map Index:	32387	EO Index:	2311	Element Last Seen:	1981-11-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1981-11-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	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						



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



Lasiurus cinereus				Element Code: AMACC05030	
hoary bat					
Listing Status:	Federal:	None	CNDDB 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 AND 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 30 M 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				
Occurrence No.	64	Map Index: 68509	EO Index:	68823	Element Last Seen: 1944-02-25
Occ. Rank:	Unknown		Presence:	Presumed Extant	Site Last Seen: 1944-02-25
Occ. Type:	Natural/Native occurrence		Trend:	Unknown	Record Last Updated: 2007-03-16
Quad Summary: Madera (3612081)					
County Summary: Madera					
Lat/Long:	36.95701 / -120.06666			Accuracy:	1/10 mile
UTM:	Zone-10 N4094125 E761175			Elevation (ft):	270
PLSS:	T11S, R17E, Sec. 24, SW (M)			Acres:	0.0
Location:	MADERA, AT L AND YOSEMITE AVE.				
Detailed Location:	MAPPED ACCORDING TO LOCALITY GIVEN BY MANIS.				
Ecological:					
General:	1 MALE SPECIMEN (MVZ #109120) COLLECTED BY ALBERT C. HAWBECKER JR. ON 26 FEB 1944.				
Owner/Manager:	UNKNOWN				



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



Euderma maculatum

Element Code: AMACC07010

spotted bat

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G4

State: None

State: S3

Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, 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	Element Last Seen:	1970-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1970-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-09-19	

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



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



Antrozous pallidus

Element Code: AMACC10010

pallid bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority
Habitat: **General:** DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS AND FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.
Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

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, NW (M) **Acres:** 0.0

Location: FRESNO.

Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN BY MANIS, WITH UNCERTAINTY OF 30 M. 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

Occurrence No. 198 **Map Index:** 66535 **EO Index:** 66661 **Element Last Seen:** 1979-06-06
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1979-06-06
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2006-10-02

Quad Summary: Millerton Lake West (3711916), Little Table Mtn. (3711917)

County Summary: Madera

Lat/Long: 37.09462 / -119.73427 **Accuracy:** 1 mile
UTM: Zone-11 N4108868 E256991 **Elevation (ft):** 1360
PLSS: T10S, R20E, Sec. 01 (M) **Acres:** 0.0

Location: SAN JOAQUIN EXPERIMENTAL RANGE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 4828.032 M. INCLUDES "25 MI N & 4 MI E OF FRESNO, HWY 41." 2 COLLECTED BY CHILDS JR. 1950 MVZ #113633-113634. (CONT. IN GENERAL).

Ecological:

General: 1 COLL. BY HILDEBRAND 1952 MVZ #183563. 1 COLL. BY MCKEEVERS 1962 KU #142864. 9 COLL. BY YATES TTU #29966-29971, 2 COLL. BY WILKINS TTU #30071, 29965, 1 COLL. BY BARNETT, TTU #29964, 1977. 6 COLL. 1979, MSB #40576-40581.

Owner/Manager: UNKNOWN

Eumops perotis californicus

Element Code: AMACD02011

western mastiff bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5T4
State: None **State:** S3S4
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, WBWG_H-High Priority



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



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 AND TUNNELS.				
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				



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



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, NE (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						
Occurrence No.	108	Map Index:	66355	EO Index:	66452	Element Last Seen:	1994-10-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-10-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-25
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00892 / -119.76689			Accuracy:	1/10 mile		
UTM:	Zone-11 N4099442 E253814			Elevation (ft):			
PLSS:	T11S, R20E, Sec. 03, NE (M)			Acres:	0.0		
Location:	LITTLE TABLE MOUNTAIN.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN. ELEVATION IN SOURCE IS 162 M, BUT THIS IS TOO LOW FOR MOST OR ALL ELEVATIONS ON LITTLE TABLE MOUNTAIN.						
Ecological:							
General:	1-3 ANIMALS DETECTED 7 OCT 1994.						
Owner/Manager:	UNKNOWN						
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

Element Code: AMAFD01060



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



San Joaquin Pocket Mouse

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2G3

State: None

State: S2S3

Other: BLM_S-Sensitive, IUCN_LC-Least Concern

Habitat: **General:** GRASSLAND, OAK SAVANNA AND ARID SCRUBLAND IN THE SOUTHERN SACRAMENTO VALLEY, SALINAS VALLEY, SAN JOAQUIN VALLEY AND ADJACENT FOOTHILLS, SOUTH TO THE MOJAVE DESERT.

Micro: ASSOCIATED WITH FINE-TEXTURED, SANDY, 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, NW (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

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, SW (M) **Acres:** 0.0

Location: 4 MI W FRESNO.

Detailed Location:

Ecological:

General: MVZ #21989.

Owner/Manager: UNKNOWN



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



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						

<i>Dipodomys nitratoides exilis</i>				Element Code: AMAFD03151	
Fresno kangaroo rat					
Listing Status:	Federal:	Endangered	CNDDDB Element Ranks:	Global:	G3TH
	State:	Endangered		State:	SH
	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 AND GRASSES.			

Occurrence No.	10	Map Index:	14436	EO Index:	23967	Element Last Seen:	1972-12-31
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1974-04-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-07-25	
Quad Summary:	Raisin (3611958), Kearney Park (3611968)						
County Summary:	Fresno						
Lat/Long:	36.62577 / -119.93542				Accuracy:	1 mile	
UTM:	Zone-11 N4057372 E237510				Elevation (ft):	225	
PLSS:	T15S, R19E, Sec. 18 (M)				Acres:	0.0	
Location:	APPROX 2.5 TO 6.0 MI NW OF RAISIN CITY ALONG HENDERSON RD.						
Detailed Location:	HISTORIC RECORDS FROM T15S, R18E, SEC 1,2,11,12; K-RATS TRAPPED 12/1972 IN EXTANT HABITAT IN T15S, R19E, SEC 17 & 18. SDNHM #18692-3 COLLECTED 4 JUL & 15 AUG 1942 BY A. E. CULBERTSON FROM "6.5 MI S ROLINDA"						
Ecological:							
General:	AS OF 1974 THESE SECTIONS HAD BEEN CONVERTED TO AGRICULTURE.						
Owner/Manager:	PVT						



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



Occurrence No.	11	Map Index:	14406	EO Index:	23969	Element Last Seen:	1972-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1974-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Raisin (3611958)						
County Summary:	Fresno						
Lat/Long:	36.59216 / -119.95015				Accuracy:	1/5 mile	
UTM:	Zone-11 N4053683 E236077				Elevation (ft):	220	
PLSS:	T15S, R19E, Sec. 30, SW (M)				Acres:	0.0	
Location:	APPROX 2.75 MI SW RAISIN CITY; 0.5 MI S MANNING AVE ON E SIDE OF WEST LAWN AVE.						
Detailed Location:	K-RATS TRAPPED HERE DURING 1972 SURVEY BUT HABITAT CONVERTED TO AGRICULTURE IN 1974.						
Ecological:							
General:							
Owner/Manager:	PVT						

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, R19E, Sec. 25 (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						

Occurrence No.	20	Map Index:	65385	EO Index:	65464	Element Last Seen:	1934-03-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1934-03-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-07-25
Quad Summary:	Kerman (3612061)						
County Summary:	Fresno						
Lat/Long:	36.72527 / -120.08752				Accuracy:	1 mile	
UTM:	Zone-10 N4068351 E760102				Elevation (ft):	200	
PLSS:	T14S, R17E, Sec. 11 (M)				Acres:	0.0	
Location:	0.5 TO 1.5 MILES WEST OF KERMAN.						
Detailed Location:	5 SDNHM SPECIMENS (3 MALES & 2 FEMALES) COLLECTED FROM 0.5 TO 1.5 MILES WEST OF KERMAN.						
Ecological:							
General:	SDNHM #17703 COLLECTED 6 OCT 1933. #18683-18685 COLLECTED 6 OCT & 22 NOV 1933. #18689 COLLECTED 20 MAR 1934. ALL COLLECTIONS BY A. E. CULBERTSON.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	21	Map Index:	65399	EO Index:	65478	Element Last Seen:	1934-06-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1934-06-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-07-26	
Quad Summary:	Kerman (3612061), Jamesan (3612062)						
County Summary:	Fresno						
Lat/Long:	36.72730 / -120.14334				Accuracy:	1 mile	
UTM:	Zone-10 N4068427 E755108				Elevation (ft):	200	
PLSS:	T14S, R17E, Sec. 08 (M)				Acres:	0.0	
Location:	5 MILES WEST OF KERMAN.						
Detailed Location:							
Ecological:							
General:	SDNHM #18686 COLLECTED 17 FEB 1934 & #18690 COLLECTED 25 JUN 1934. BOTH COLLECTIONS BY A. E. CULBERTSON.						
Owner/Manager:	UNKNOWN						

Vulpes macrotis mutica

Element Code: AMAJA03041

San Joaquin kit fox

Listing Status:	Federal:	Endangered	CNDDB Element Ranks:	Global:	G4T2
	State:	Threatened		State:	S2
	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.			

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, NE (M)				Acres:	29.5	
Location:	HERNDON, ABOUT 1 MI 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						



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



Occurrence No.	1077	Map Index:	68295	EO Index:	68450	Element Last Seen:	1975-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1975-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-28
Quad Summary:	Raisin (3611958)						
County Summary:	Fresno						
Lat/Long:	36.54786 / -119.99348			Accuracy:	2/5 mile		
UTM:	Zone-11 N4048888 E232047			Elevation (ft):	200		
PLSS:	T16S, R18E, Sec. 10 (M)			Acres:	0.0		
Location:	ABOUT 6.4 MILES SW OF RAISIN CITY. ALONG JAMESAN AVE, ABOUT 1 MILE N OF THE INTERSECTION OF JAMESAN AVE & KAMM AVE.						
Detailed Location:							
Ecological:							
General:	DEN OBSERVED SOMETIME FROM 1972 THROUGH JUL 1975.						
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						

Taxidea taxus

Element Code: AMAJF04010



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



American badger

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3
Other: CDFW_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 AND 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, SW (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



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



Occurrence No.	96	Map Index:	56645	EO Index:	56661	Element Last Seen:	1966-10-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1966-10-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-09-08
Quad Summary:	Little Table Mtn. (3711917), Daulton (3711918)						
County Summary:	Madera						
Lat/Long:	37.10452 / -119.88432				Accuracy:	nonspecific area	
UTM:	Zone-11 N4110361 E243686				Elevation (ft):	400	
PLSS:	T09S, R19E, Sec. 34 (M)				Acres:	632.7	
Location:	NEAR FRESNO RIVER, SOUTH OF MENSLEY LAKE.						
Detailed Location:	LOCATION GIVEN AS MENSLEY BRIDGE AT FRESNO RIVER - T9S R19E SECTION 34 - MAPPED ACCORDING TO TOWNSHIP RANGE AND SECTION GIVEN.						
Ecological:	HABITAT CONSISTS OF NATIVE GRASSLAND NEAR THE FRESNO RIVER.						
General:	1 OBSERVED DUSTING IN THE MIDDLE OF A DIRT ROAD ON 18 OCT 1966.						
Owner/Manager:	UNKNOWN						

Occurrence No.	332	Map Index:	32802	EO Index:	57767	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:	2004-10-27
Quad Summary:	Millerton Lake West (3711916), Little Table Mtn. (3711917), O'Neals (3711926), Knowles (3711927)						
County Summary:	Madera						
Lat/Long:	37.10284 / -119.73748				Accuracy:	nonspecific area	
UTM:	Zone-11 N4109788 E256732				Elevation (ft):	1200	
PLSS:	T09S, R20E (M)				Acres:	4550.6	
Location:	SAN JOAQUIN EXPERIMENTAL RANGE; NORTHWEST OF MILLERTON LAKE.						
Detailed Location:							
Ecological:							
General:	NEWMAN AND DUNCAN, 1973.						
Owner/Manager:	USFS-SAN JOAQUIN EXP RANGE						

Occurrence No.	542	Map Index:	A5148	EO Index:	106852	Element Last Seen:	2017-04-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-04-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-11
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.98141 / -119.86631				Accuracy:	1/5 mile	
UTM:	Zone-11 N4096650 E244875				Elevation (ft):	374	
PLSS:	T11S, R19E, Sec. 14 (M)				Acres:	70.0	
Location:	NORTH OF AVE 16 AND EAST OF ANACONDA RD, EAST OF MADERA.						
Detailed Location:	DETECTED IN PROPERTY NEIGHBORING THE KIRBY SMITH RANCH TO THE NORTH, NEAR THE CATTLE GUARD. ADDITIONAL SIGN (BURROW WITH OLD SCRATCH MARKS) DETECTED NEAR -119.871812, 36.970304.						
Ecological:	ROLLING TERRAIN WITH VERNAL POOLS.						
General:	POSSIBLE BADGER SIGN (INACTIVE BURROW WITH SCRATCH MARKS) OBSERVED ON 2 MAY 2012. BADGER OBSERVED AND PHOTOGRAPHED ON 11 APR 2017.						
Owner/Manager:	PVT						



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



Emys marmorata

Element Code: ARAAD02030

western pond turtle

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3G4
State: None **State:** S3
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive
Habitat: **General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.
Micro: NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Occurrence No. 46 **Map Index:** 99147 **EO Index:** 2066 **Element Last Seen:** 2015-07-09
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09
Occ. Type: Natural/Native occurrence **Trend:** Decreasing **Record Last Updated:** 2017-01-03

Quad Summary: Millerton Lake West (3711916)

County Summary: Madera

Lat/Long: 37.09188 / -119.72344 **Accuracy:** specific area
UTM: Zone-11 N4108536 E257945 **Elevation (ft):** 1200
PLSS: T10S, R21E, Sec. 06, N (M) **Acres:** 32.0

Location: VICINITY OF FOREST SERVICE HEADQUARTERS AT THE JUNCTION OF O'NEAL RD AND RD 8063, SAN JOAQUIN EXPERIMENTAL RANGE.

Detailed Location: 1952 SPECIMEN LOCALITIES GIVEN AS "SAN JOAQUIN EXPERIMENTAL RANGE" OR SIMILAR, EXACT LOCATIONS UNKNOWN. MAPPED TO LOCATIONS GIVEN FOR DETECTIONS IN 1987 & FROM 2009-2015 STUDY.

Ecological: OAK-PINE WOODLAND. SPECIES INTRODUCED IN 3 STOCK PONDS ON SJER IN 1930S, POP DECLINED, NOW IN 1 POND AT ~37.0918 -119.7236, TOTALLY DRY JUL 2013-DEC 2015. 1 TURTLE EMIGRATED TO HORSE TROUGH IN 2014; ANOTHER TO ADJACENT PROPERTY (OCC#1265)

General: 3 COLLECTED, 1952. 2 OBSERVED, 1987. 2 ADULT MALES(M) & 3 ADULT FEMALES (F) CAPTURED/RELEASED MAR-SEP 2013 (17 ADULTS & 5 JUVS TOTAL, 2102-13). 3F, 2M, & 1 JUVENILE MALE CAPT/REL MAR-SEP 2014, OF WHICH 4 DIED. 1 ADULT CAPT/REL 9 JUL 2015.

Owner/Manager: USFS-SAN JOAQUIN EXP RANGE

Occurrence No. 47 **Map Index:** 32803 **EO Index:** 4535 **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:** 1996-02-23

Quad Summary: Millerton Lake West (3711916)

County Summary: Madera

Lat/Long: 37.10093 / -119.68211 **Accuracy:** specific area
UTM: Zone-11 N4109435 E261647 **Elevation (ft):** 1000
PLSS: T09S, R21E (M) **Acres:** 230.9

Location: WILLOW CREEK AT ROAD 210, NORTH OF MILLERTON LAKE.

Detailed Location: WILLOW CREEK CROSSES ROAD 210 AT TWO LOCATIONS, THE POLYGON INCLUDES ALL OF WILLOW CREEK BETWEEN THOSE TWO POINTS.

Ecological:

General: COLLECTION BY R.W. HANSEN, DATE AND NUMBER OF SPECIMENS UNKNOWN.

Owner/Manager: UNKNOWN



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



Occurrence No.	48	Map Index:	32804	EO Index:	5153	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:	1996-02-23
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.10694 / -119.64930				Accuracy:	specific area	
UTM:	Zone-11 N4110020 E264583				Elevation (ft):	1000	
PLSS:	T09S, R21E, Sec. 35 (M)				Acres:	114.4	
Location:	FINE GOLD CREEK AT ROAD 210, NORTH OF MILLERTON LAKE.						
Detailed Location:	FINE GOLD CREEK CROSSES ROAD 210 AT 2 LOCATIONS, THE POLYGON INCLUDES THAT PORTION OF FINE GOLD CREEK BETWEEN THOSE TWO POINTS.						
Ecological:							
General:	COLLECTED BY R.W. HANSEN, DATE AND NUMBERS OF SPECIMENS UNKNOWN.						
Owner/Manager:	UNKNOWN						
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 MILE 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						



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



Occurrence No.	1220	Map Index:	78740	EO Index:	79681	Element Last Seen:	2010-03-25
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2010-03-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-04-28
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.08281 / -119.79505			Accuracy:	80 meters		
UTM:	Zone-11 N4107715 E251550			Elevation (ft):	660		
PLSS:	T10S, R20E, Sec. 09, NW (M)			Acres:	0.0		
Location:	ON ROAD 209 ABOUT 0.5 MI SOUTH OF INTERSECTION WITH ROAD 406, MADERA.						
Detailed Location:							
Ecological:	GRAZED OAK SAVANNA WITH STOCK PONDS/VERNAL POOLS IN VICINITY.						
General:	TURTLE WAS COMING FROM HIGHER GROUND, IT CROSSED THE ROAD AND WENT INTO HILDRETH CREEK AND BEGAN MOVING DOWNSTREAM.						
Owner/Manager:	PVT						
Occurrence No.	1265	Map Index:	99149	EO Index:	100671	Element Last Seen:	2015-04-06
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-04-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-09
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.11200 / -119.70660			Accuracy:	80 meters		
UTM:	Zone-11 N4110726 E259506			Elevation (ft):	1230		
PLSS:	T09S, R21E, Sec. 32, NW (M)			Acres:	0.0		
Location:	JAMISON RANCH; ALONG O'NEAL RD ABOUT 0.6 MILE SW OF THE HILDRETH RD JUNCTION AND 1.9 MI SE OF HWY 41 AT N FORK RD.						
Detailed Location:	MAPPED TO LOCATIONS GIVEN FOR DETECTIONS FROM 2009-2015 STUDY.						
Ecological:	STOCK POND ON PRIVATE PROPERTY ADJACENT TO SAN JOAQUIN EXPERIMENTAL RANGE. A TURTLE FROM THE POPULATION ON SJER (OCC #46) EMIGRATED HERE IN 2014 AFTER SJER POND DRIED UP. DESPITE WATER SUPPLEMENTS THIS POND TOO WAS DRY BY 31 JUL 2015.						
General:	YOUNG FEMALE CAUGHT AND RELEASED 5 AUG 2014. 3 ADULTS AND 1 JUVENILE CAUGHT AND RELEASED ON 6 APR 2015.						
Owner/Manager:	PVT						



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



Occurrence No.	1355	Map Index:	A4512	EO Index:	106203	Element Last Seen:	2016-11-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-11-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-05-02	
Quad Summary:	Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.85801 / -119.67324				Accuracy:	80 meters	
UTM:	Zone-11 N4082457 E261680				Elevation (ft):	388	
PLSS:	T12S, R21E, Sec. 27, SW (M)				Acres:	5.0	
Location:	ENTERPRISE CANAL, 0.4 MI W OF N TEMPERANCE AVE AT HERITAGE AVE & 0.5 MI NNE OF NEES AVE AT N ARMSTRONG AVE, CLOVIS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	SHALLOW WATER IN EARTHEN IRRIGATION CANAL WITH FLOOD CONTROL BASIN TO EAST, RURAL RESIDENTIAL TO WEST. PORTIONS OF THE SAME CANAL WERE BEING DREDGED AND CEMENTED IN NOV 2016.						
General:	1 ADULT OBSERVED ON 14 NOV 2016.						
Owner/Manager:	UNKNOWN						

Anniella pulchra				Element Code: ARACC01020			
northern California legless lizard							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G3	
	State:	None			State:	S3	
	Other:	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive					
Habitat:	General:	SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION.					
	Micro:	SOIL MOISTURE IS ESSENTIAL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.					

Occurrence No.	116	Map Index:	46277	EO Index:	107017	Element Last Seen:	188X-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	188X-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-07-12		
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:	HISTORIC COLLECTION NEEDING MORE REFINED FIELD RESEARCH.						
Ecological:							
General:	TWO COLLECTED IN THE LATE 1800S, MOST LIKELY 1880S. IT'S NOT ENTIRELY CERTAIN WHAT NEWLY DESCRIBED ANNIELLA CONCEPT IS IN THIS AREA, BUT PAPENFUSS & PARHAM (2013) IMPLY THESE WOULD BE A. PULCHRA.						
Owner/Manager:	UNKNOWN						



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



Gambelia sila

Element Code: ARACF07010

blunt-nosed leopard lizard

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: CDFW_FP-Fully Protected, IUCN_EN-Endangered

Habitat: **General:** RESIDENT OF SPARSELY VEGETATED ALKALI AND DESERT SCRUB HABITATS, IN AREAS OF LOW TOPOGRAPHIC RELIEF.

Micro: SEEKS COVER IN MAMMAL BURROWS, UNDER SHRUBS OR STRUCTURES SUCH AS FENCE POSTS; THEY DO NOT EXCAVATE THEIR OWN BURROWS.

Occurrence No.	107	Map Index:	14160	EO Index:	27810	Element Last Seen:	1916-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1916-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10		

Quad Summary: Madera (3612081), Bonita Ranch (3612082)

County Summary: Madera

Lat/Long:	36.90299 / -120.11127	Accuracy:	1 mile
UTM:	Zone-10 N4088008 E757384	Elevation (ft):	232
PLSS:	T12S, R17E, Sec. 09, NE (M)	Acres:	0.0

Location: 5 MI SW MADERA.

Detailed Location:

Ecological:

General: CAS SPECIMEN.

Owner/Manager: UNKNOWN



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



Phrynosoma blainvillii

Element Code: ARACF12100

coast horned lizard

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3G4

State: None

State: S3S4

Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern

Habitat: **General:** FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro: OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Occurrence No.	863	Map Index:	46277	EO Index:	103150	Element Last Seen:	1893-07-07
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		1893-07-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-08-23	

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: COLLECTION LOCALITIES GIVEN ONLY AS "FRESNO."

Ecological:

General: 4 COLLECTED ON UNKNOWN DATES BY ANONYMOUS COLLECTORS. 4 COLLECTED IN 1879. 3 COLLECTED ON 23 SEP 1891. 1 COLLECTED ON 7 JUL 1893. 1 COLLECTED ON UNKNOWN DATE PRIOR TO 1906.

Owner/Manager: UNKNOWN



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



Arizona elegans occidentalis

Element Code: ARADB01017

California glossy snake

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T2
	State: None		State: S2
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: PATCHILY DISTRIBUTED FROM THE EASTERN PORTION OF SAN FRANCISCO BAY, SOUTHERN SAN JOAQUIN VALLEY, AND THE COAST, TRANSVERSE, AND PENINSULAR RANGES, SOUTH TO BAJA CALIFORNIA.		
	Micro: GENERALIST REPORTED FROM A RANGE OF SCRUB AND GRASSLAND HABITATS, OFTEN WITH LOOSE OR SANDY SOILS.		

Occurrence No.	1	Map Index: 46277	EO Index: 104841	Element Last Seen:	1893-07-04
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1893-07-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-03-02

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 TO CENTER OF FRESNO.

Ecological:

General: 1 MALE (A PARATYPE) WAS COLLECTED IN THIS VICINITY ON 4 JUL 1893.

Owner/Manager: UNKNOWN

Occurrence No.	25	Map Index: A3262	EO Index: 104892	Element Last Seen:	1939-05-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1939-05-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-01-04

Quad Summary: Riverdale (3611947), Caruthers (3611957)

County Summary: Fresno

Lat/Long:	36.51422 / -119.77305	Accuracy:	1 mile
UTM:	Zone-11 N4044563 E251676	Elevation (ft):	250
PLSS:	T16S, R20E, Sec. 26 (M)	Acres:	1987.0

Location: 3 MILES WEST OF CONEJO, SOUTH OF FRESNO.

Detailed Location:

Ecological:

General: SPECIMEN COLLECTED ON 16 MAY 1939.

Owner/Manager: PVT



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



Thamnophis gigas

Element Code: ARADB36150

giant gartersnake

Listing Status: **Federal:** Threatened

CNDDDB Element Ranks: **Global:** G2

State: Threatened

State: S2

Other: IUCN_VU-Vulnerable

Habitat: **General:** PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS AND IRRIGATION DITCHES.

Micro: THIS IS THE MOST AQUATIC OF THE GARTERSNAKES IN CALIFORNIA.

Occurrence No.	8	Map Index:	14315	EO Index:	27607	Element Last Seen:	1976-06-09
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:	1992-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2014-11-13		

Quad Summary: Burrell (3611948), Raisin (3611958), Five Points (3612041), Helm (3612051)

County Summary: Fresno

Lat/Long:	36.48700 / -120.00757	Accuracy:	1 mile
UTM:	Zone-10 N4042131 E768068	Elevation (ft):	195
PLSS:	T17S, R18E, Sec. 03 (M)	Acres:	0.0

Location: FRESNO SLOUGH, ABOUT 1.2 MILES W OF BURRELL, 6 MILES SE OF HELM.

Detailed Location: MAPPED TO PROVIDED 1976 DETECTION LOCATION OF "FRESNO SLOUGH, 1 MILE W BURRELL, N. SIDE ELKHORN AVE." EXACT LOCATION OF 1992 HABITAT ASSESSMENT NOT KNOWN; DESCRIBED AS GENERAL AREA AT BURRELL-LANARE.

Ecological:

General: AT LEAST 1 DETECTED ON 9 JUN 1976; G. HANSEN FIELD #247. 0 DETECTED DURING 1986-87 SURVEYS; LEVEL OF EFFORT UNKNOWN. OBSERVATIONS OF HABITAT DETERIORATION IN 1992 ATTRIBUTED TO THE POSSIBLE EXTIRPATION AT THIS LOCATION.

Owner/Manager: UNKNOWN

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

Northern Hardpan Vernal Pool

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3

State: None

State: S3.1

Other:

Habitat: **General:** ☐

Micro: ☐



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



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, E (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.	13	Map Index:	15260	EO Index:	28123	Element Last Seen:	1980-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-04-27
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1998-07-15
Quad Summary:	Piedra (3611974), Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.79605 / -119.49986				Accuracy:	1/5 mile	
UTM:	Zone-11 N4075163 E276959				Elevation (ft):	450	
PLSS:	T13S, R23E, Sec. 17, SW (M)				Acres:	0.0	
Location:	WATTS VALLEY ROAD, WHERE ASHLAN BECOMES WATTS VALLEY ROAD. EAST OF ACADEMY ROAD, VICINITY OF SANGER.						
Detailed Location:	ABOUT 150 ACRES. ALSO IN SECTION 18.						
Ecological:	HORDEUM GENICULATUM, ERYNGIUM, LASTHENIA FREMONTII. 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						



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



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, W (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

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, R19E, Sec. 23, N (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



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



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, W (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						

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 (ORTHOCARPUS 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						



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



Occurrence No.	123	Map Index:	14504	EO Index:	6673	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:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.88520 / -119.89480				Accuracy:	specific area	
UTM:	Zone-11 N4086051 E242014				Elevation (ft):	315	
PLSS:	T12S, R19E, Sec. 16, SE (M)				Acres:	7.3	
Location:	1/2 MILE NNW OF THE INTERSECTION OF AVENUE 9 AND ROAD 36.						
Detailed Location:							
Ecological:	VERNAL POOL IN CISMONTANE VALLEY GRASSLAND. ASSOCIATES INCLUDE BROMUS MOLLIS, AGOSERIS, B. DIANDRUS, AND ORCUTTIA PILOSA. THE INTRODUCED SPECIES ARE OUT-COMPETING THE ORCUTTIA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	DAMAGE FROM DISKING PROBABLY IRREVERSIBLE PER STEBBINS. 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, SW (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 ORTHOCARPUS 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						



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



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, NW (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						
Occurrence No.	129	Map Index:	14334	EO Index:	26027	Element Last Seen:	1986-05-21
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1986-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1998-07-15
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.96793 / -120.00583			Accuracy:	specific area		
UTM:	Zone-10 N4095505 E766555			Elevation (ft):	290		
PLSS:	T11S, R18E, Sec. 16, SE (M)			Acres:	14.6		
Location:	ON NORTH AND SOUTH SIDES OF AVENUE 15, 1/2 MILE EAST OF TOPEKA AND SANTA FE RAILWAY.						
Detailed Location:							
Ecological:	REMNANT VERNAL POOLS IN VALLEY GRASSLAND. POOLS ON SOUTH SIDE OF ROAD ARE IN DISKED WHEAT FIELD. ORCUTTIA PILOSA, PHALARIS, ERYNGIUM, LYTHRUM, AND PSILOCARPHUS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	FEWER ORCUTTIA PLANTS IN '86 THAN IN '83. HYDROLOGY OF POOL PROBABLY ALTERED BY DISKING. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						



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



Northern Claypan Vernal Pool

Element Code: CTT44120CA

Northern Claypan Vernal Pool

Listing Status: **Federal:** None

CNDDDB 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, SW (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. INAEQUALIS 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



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



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:** ☐

Micro: ☐

Occurrence No. 36 **Map Index:** 14761 **EO Index:** 15633 **Element Last Seen:** 1983-10-27

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1983-10-27

Occ. Type: Natural/Native occurrence **Trend:** Unknown **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, E (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



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



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:** ☐

Micro: ☐

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, SW (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: S3

Other: IUCN_VU-Vulnerable

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

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



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



Occurrence No.	2	Map Index:	A2375	EO Index:	8053	Element Last Seen:	2016-02-16
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	1992-03-19		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-27		
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.91581 / -119.78969	Accuracy:	nonspecific area				
UTM:	Zone-11 N4089169 E251484	Elevation (ft):	365				
PLSS:	T12S, R20E, Sec. 4, SE (M)	Acres:	84.0				
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:	SE FEATURE REPRESENTS 1992 DETECTION; VERNAL POOLS #30, 31, & 32 LOCATED "BETWEEN STATE ROUTE 41 & UP TO 1/2 MILE TO THE EAST, AND ABOUT 0.6 MILE SOUTH OF AVE 12." NW FEATURE MAPPED TO COORDINATES GIVEN FOR 2016 DETECTION IN POOL #55.						
Ecological:	2016: NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM & ERYNGIUM VASEYI; SPADEFOOT TOAD TADPOLES ALSO PRESENT. 2016: VERNAL POOL SURROUNDED BY GRAZED GRASSLAND, NEARBY LAND USE AG & HIGHWAY.						
General:	ADULTS OBSERVED IN 1 (POSSIBLY 2) POOLS ON 18 MAR 1992. FOUND IN 4 POOLS ON 19 MAR 1992. 1 ADULT OBSERVED IN 1 POOL ON 16 FEB 2016.						
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, NE (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, PLAGIOBOTHRYS, 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						



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



Occurrence No.	12	Map Index:	33079	EO Index:	21302	Element Last Seen:	1994-03-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-03-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-23
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.93727 / -119.98413			Accuracy:	80 meters		
UTM:	Zone-11 N4092075 E234232			Elevation (ft):	285		
PLSS:	T11S, R18E, Sec. 34, NE (M)			Acres:	0.0		
Location:	SOUTH SIDE OF AVENUE 13, 0.1 MILE EAST OF THE RAILROAD TRACKS, 5 MILES ENE OF MADERA.						
Detailed Location:							
Ecological:							
General:	COLLECTION #RS-94-01 (ALSO INCLUDES LINDERIELLA OCCIDENTALIS), DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						
Occurrence No.	101	Map Index:	32551	EO Index:	1757	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, SE (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.	125	Map Index:	34786	EO Index:	18853	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:	1996-06-07
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00472 / -119.83704			Accuracy:	1/5 mile		
UTM:	Zone-11 N4099159 E247557			Elevation (ft):	418		
PLSS:	T11S, R20E, Sec. 06, NW (M)			Acres:	0.0		
Location:	SOUTH OF MADERA CANAL, APPROX. 0.6 KM SOUTH OF INTERSECTION OF HIGHWAY 145 AND ROAD 208.						
Detailed Location:	MANY POOLS PRESENT AT SITE, BUT ONLY 4 SAMPLED.						
Ecological:	CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.						
General:	BRANCHINECTA LYNCHI COLLECTED IN 3 OF 4 POOLS SAMPLED; LINDERIELLA OCCIDENTALIS CO-EXISTED IN SAME 3 POOLS; SCAPHIOPUS HAMMONDII PRESENT IN 2 LARGEST POOLS.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	127	Map Index:	33338	EO Index:	21886	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:	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, SE (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						

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
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, SW (M)				Acres:	127.6	
Location:	NW OF INTERSECTION OF AVENUE 15 AND AVE 39 1/2, NORTH OF LITTLE DRY CREEK, APPROX. 4.5 AIR MILES W 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 AND DEPOSITED IN CALIFORNIA ACADEMY OF SCIENCE; LINDERIELLA OCCIDENTALIS CO-OCCURRED IN 1 POOL; AMBYSTOMA CALIFORNIENSE AND SCAPHIOPUS HAMMONDII OBSERVED IN POOLS LATER IN SPRING OF 1993.						
Owner/Manager:	PVT						



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



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
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-03-17
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 AND 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:	2007-03-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-21
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.96673 / -119.70002				Accuracy:	80 meters	
UTM:	Zone-11 N4094589 E259633				Elevation (ft):	460	
PLSS:	T11S, R21E, Sec. 20, N (M)				Acres:	0.0	
Location:	ABOUT 1.4 MILES SE OF N FRIANT RD AT E BELCHER AVE & 1.8 MILES S OF THE FRIANT KERN CANAL AT MILLERTON RD, SE OF FRIANT.						
Detailed Location:	1993 COLLECTION LOCATION GIVEN AS "VERNAL POOL 16 MILES N OF FRESNO; 1 MILE S OF FRIANT DAM, LAKE MILLERTON T11S R21E S17," EXACT LOCATION UNKNOWN. MAPPED TO COORDINATES GIVEN FOR 2007 DETECTION ON WELLINGTON RANCH PROPERTY.						
Ecological:	1993: VERNAL POOL, LIKELY IN AREA JUST NORTH OF THIS OCCURRENCE. 2007: POOLS IN GRAZED, NON-NATIVE GRASSLAND WITH MODERATE UNDULATING TOPOGRAPHY; LINDERIELLA OCCIDENTALIS ALSO FOUND.						
General:	COLLECTED BY ANNE HATHORN IN APRIL 1993; SENT TO DENTON BELK FOR IDENTIFICATION (DB #1166). DETECTED IN 1 POOL ON 13 MAR 2007; 8 COLLECTED ON 14 MAR 2007 (CASIZ #178175).						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	198	Map Index:	40245	EO Index:	35247	Element Last Seen:	1998-02-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1998-02-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-18
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 PROPERTY, IMMEDIATELY SOUTH OF MILLERTON ROAD, EAST OF FRIANT-KERN CANAL, AND NW OF AUBERRY ROAD.						
Detailed Location:	MAPPED TO BOUNDARIES OF AREA SURVEYED IN 1998; EXACT DETECTION AND COLLECTION LOCATIONS UNKNOWN.						
Ecological:	1998: VERNAL POOLS IN GENTLY ROLLING, NON-NATIVE ANNUAL GRASSLAND WITH A SCATTERING OF OAKS. POOLS THAT CONTAINED FAIRY SHRIMP WERE OF GOOD QUALITY, THE REST OF THE SITE RANGED FROM MODERATE TO POOR.						
General:	15 COLLECTED FROM 2 POOLS, 25 SEP 1997 (CASIZ #115427, 115428). ONES TO HUNDREDS OBSERVED IN 5 POOLS, 19 FEB 1998; 29 COLLECTED (CASIZ #115415-115419). BRANCHINECTA CYSTS FOUND IN 79 OF 86 BASINS, 2012 (NOT IDED TO SPECIES).						
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:	2014-10-17
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, SW (M)			Acres:	0.0		
Location:	WEST 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 1 MILE NORTHWEST OF, AND ADJACENT TO CREEK THAT DRAINS INTO, 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:	HUNDREDS OBSERVED, FEB-MAR 1999; COLLECTIONS IN CAS (CASIZ #122194, 122195, 122196, 122197 AND 122198).						
Owner/Manager:	PVT						



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



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:	2014-10-17
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, NE (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:							
Ecological:	VERNAL POOL IN NON-NATIVE GRASSLAND GRAZED BY CATTLE. SURROUNDING LAND USES WERE AGRICULTURE AND HOUSING DEVELOPMENT.						
General:	HUNDREDS OBSERVED, 40 FOR THE THREE LOCATIONS (OCCURRENCES 214, 220 AND 221) COLLECTED AND SENT TO CAS, 1999 (CASIZ #122194, 122195, 122196, 122197 AND 122198)						
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:	2014-10-17
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, SE (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:	VERNAL POOL IN NON-NATIVE GRASSLAND. SURROUNDING LAND GRAZED BY CATTLE.						
General:	HUNDREDS OBSERVED, APPROXIMATELY 40 FOR THE THREE LOCATIONS (OCCURRENCES 214, 220 AND 221) COLLECTED AND SENT TO CAS, 1999 (CASIZ #122194, 122195, 122196, 122197 AND 122198).						
Owner/Manager:	PVT						



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



Occurrence No.	295	Map Index:	45617	EO Index:	45617	Element Last Seen:	2004-03-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2004-03-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-14
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01099 / -119.82051				Accuracy:	specific area	
UTM:	Zone-11 N4099812 E249049				Elevation (ft):	450	
PLSS:	T10S, R20E, Sec. 32 (M)				Acres:	23.0	
Location:	NORTH AND SOUTH OF HIGHWAY 145, 0.6-1 MILES EAST OF ROAD 208, 7 MILES WEST OF MILLERTON LAKE.						
Detailed Location:	2001: IN RIGHT-OF-WAY N OF HWY 145, AT MILEPOST 24.2; E-MOST POLYGON, MAPPED TO INCLUDE POINTS DRAWN ON PROVIDED MAPS & COORDINATES GIVEN WITH MUSEUM SPECIMENS. 2004: W-MOST POLYGON, MAPPED TO POOL MAC-R-011, PER PROVIDED SHAPEFILE.						
Ecological:	2001: TWO DISTURBED POOLS LOCATED IN THE RIGHT-OF-WAY BETWEEN HIGHWAY 145 AND GRAZED GRASSLAND. 2004: VERY LARGE, LINEAR, CLEAR VERNAL POOL WITH CATTAILS & JUNCUS.						
General:	A TOTAL OF 17 ADULTS OBSERVED AND COLLECTED FROM 2 POOLS ON 7 MAR 2001 (CASIZ #154887, 154889). AT LEAST ONE B. LYNCHI OBSERVED ON 18 MAR 2004 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	CALTRANS						
Occurrence No.	300	Map Index:	45644	EO Index:	45644	Element Last Seen:	2001-03-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-15
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.99813 / -119.98208				Accuracy:	80 meters	
UTM:	Zone-11 N4098823 E234626				Elevation (ft):	342	
PLSS:	T11S, R18E, Sec. 02, SW (M)				Acres:	0.0	
Location:	NORTH SIDE OF HIGHWAY 145 AND EAST OF EL DORADO DRIVE, SOUTH OF MADERA LAKE.						
Detailed Location:	POOL IS LOCATED NORTH OF HIGHWAY 145, AT MILEPOST 14.8.						
Ecological:	HABITAT CONSISTED OF A LARGE CULVERT POOL; SURROUNDED BY RESIDENTIAL OPEN SPACE.						
General:	7 ADULTS COLLECTED ON 14 MAR 2001 AND DEPOSITED AT CAS (CASIZ #154897).						
Owner/Manager:	CALTRANS						



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



Occurrence No.	301	Map Index:	94151	EO Index:	45645	Element Last Seen:	2007-03-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-14
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00990 / -119.83972				Accuracy:	specific area	
UTM:	Zone-11 N4099742 E247336				Elevation (ft):	424	
PLSS:	T11S, R19E, Sec. 01 (M)				Acres:	32.0	
Location:	NE CORNER OF HWY 145 AND RD 208 AND NE SIDE OF MADERA CANAL N AND S OF THE HWY 145 CROSSING, W OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	2001-2005: MAPPED TO 4 POOLS ALONG NE SIDE OF CANAL, PER PROVIDED SHAPEFILE. 2007: MAPPED TO COORDINATES GIVEN FOR "POOL 3" AT NW CORNER OF HWY 145 & RD 208.						
Ecological:	2001-2005: PONDED ROAD RUTS, VERNAL POOL, AND DITCH IN GRAZED ANNUAL GRASSLAND; IN/ADJACENT TO HIGHWAY ROW. 2007: VERNAL POOLS IN GRAZED NON-NATIVE GRASSLAND WITH MODERATE UNDULATING TOPOGRAPHY; LINDERIELLA OCCIDENTALIS ALSO FOUND.						
General:	9 COLLECTED ON 7 MAR 2001 (CASIZ #154893). 1 OBSERVED ON 18 MAR 2004. 1 OBS ON 2 FEB 2005 (3 FEMALES, SP UNKNOWN, ALSO OBS). 2 OBS ON 4 FEB 2005. 1000S FOUND IN 1 OUT OF 3 POOLS SAMPLED 12 MAR 2007, 6 COLLECTED (CASIZ #175702).						
Owner/Manager:	USBOR, CALTRANS, PVT						

Occurrence No.	302	Map Index:	45646	EO Index:	45646	Element Last Seen:	2007-03-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-11-18
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01216 / -119.85158				Accuracy:	specific area	
UTM:	Zone-11 N4100024 E246288				Elevation (ft):	462	
PLSS:	T10S, R19E, Sec. 36, NW (M)				Acres:	30.0	
Location:	SW SIDE OF MADERA CANAL, FROM 0.5 MI NW TO 0.8 MI WSW OF THE HWY 145 CROSSING; WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	2001: POOL LOCATED ON SOUTH SIDE OF HWY 145, AT MILEPOST 22.1. 2007: NOHRNBERG PROPERTY; 5 POOLS ON N SIDE OF HWY 145.						
Ecological:	2001: DISTURBED POOL IN A HIGHWAY RIGHT-OF-WAY, ADJACENT TO GRAZED ANNUAL GRASSLAND; LINDERIELLA OCCIDENTALIS ALSO FOUND. 2007: VERNAL POOLS IN GRAZED NON-NATIVE ANNUAL GRASSLAND WITH MODERATE UNDULATING TOPOGRAPHY.						
General:	7 ADULTS COLLECTED ON 7 MAR 2001 AND DEPOSITED AT CAS. HUNDREDS DETECTED IN 5 POOLS ON 12 MAR 2007, COLLECTIONS IN CAS (#178158, 178159, 178160, 178161, 178162).						
Owner/Manager:	CALTRANS, PVT						



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



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, SE (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						



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



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	
UTM:	Zone-11 N4090449 E257073				Elevation (ft):	375	
PLSS:	T11S, R21E, Sec. 31, SW (M)				Acres:	0.0	
Location:	ABOUT 4 MILES SSW OF FRIANT; NEAR LITTLE DRY CREEK, 0.2 MILE 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 CALIFORNIA 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	
UTM:	Zone-11 N4090464 E258452				Elevation (ft):	360	
PLSS:	T11S, R21E, Sec. 31, SE (M)				Acres:	0.0	
Location:	3.9 MILES DIRECTLY SOUTH OF FRIANT, APPROXIMATELY 0.3 MILE 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 OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCES 324 (TO WEST) & 326 (TO SOUTH) ON 10 FEB 2002. NUMBERS 601-607 COLLECTED FOR CALIFORNIA ACADEMY OF SCIENCES. SITE IS USED FOR CATTLE-GRAZING AND IS TARGETED TO BECOME A MITIGATION BANK.						
Owner/Manager:	PVT						



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



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 OBSERVED BETWEEN THIS OCCURRENCE & OCCURRENCES 324 (TO NW) AND 325 (TO NORTH) ON 10 FEB 2002. NUMBERS 601-607 COLLECTED FOR CALIFORNIA 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:	94167	EO Index:	51284	Element Last Seen:	2017-01-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-01-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-06-04
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94463 / -119.79184				Accuracy:	specific area	
UTM:	Zone-11 N4092372 E251386				Elevation (ft):	402	
PLSS:	T11S, R20E, Sec. 28, E (M)				Acres:	147.0	
Location:	EAST AND WEST SIDES OF HIGHWAY 41, FROM ABOUT 0.8 TO 1.9 MI NORTH OF AVENUE 12, 14 MILES EAST OF MADERA.						
Detailed Location:	1992: MAPPED TO LOCATIONS GIVEN FOR POOLS C214 (N-MOST POLYGON, JUST W OF HWY 41) & 41, 43, 47, 49, 50, 66, 67 (S-MOST POLYGON, E OF HWY 41). 2001: 2 POOLS, INCLUDED IN S-MOST POLYGON. 2010: MAPPED TO GIVEN COORDINATES (MIDDLE POLYGON).						
Ecological:	VERNAL POOLS & WETLAND DRAINAGES IN GRAZED NON-NATIVE GRASSLAND HISTORICALLY USED FOR DRYLAND FARMING. NEARBY LAND USE AGRICULTURE, COMMERCIAL & URBAN. N PART OF OCCURRENCE WITHIN CALTRANS MITIGATION SITE PURCHASED IN 2009 & BEING RESTORED.						
General:	FOUND IN 9 POOLS, MAR 1992; IN 3 POOLS, FEB 2001; IN 2 POOLS, FEB 2010; AND IN 22 POOLS, 20 JAN 2011 (COLLECTIONS IN CAS). 19 OBSERVED AT MULTIPLE POOLS IN FEB 2016. 15 OBSERVED, 25 JAN 2017.						
Owner/Manager:	PVT, CALTRANS						



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



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, NE (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:	2001-02-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-02-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-10-23	
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, NW (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:	MAPPED TO LOCATION OF OCCUPIED POOL PER PROVIDED MAP. SPECIMEN COLLECTED "18 MI E OF MADERA, SECTION 27, TOWNSHIP 11S RANGE 20E," EXACT LOCATION UNKNOWN, ATTRIBUTED HERE.						
Ecological:	GRAZED NON-NATIVE GRASSLAND WITH VERNAL POOLS AND WETLAND DRAINAGES. GRASSLANDS USED AS PASTURE; MOST WERE DRYLAND FARMED HISTORICALLY. SURROUNDING LANDS INCLUDED AGRICULTURE, COMMERCIAL OR URBAN.						
General:	ADULT SHRIMP OBSERVED DURING FEB 2001. 11 COLLECTED FROM VICINITY ON 28 FEB 2001.						
Owner/Manager:	PVT						



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



Occurrence No.	351	Map Index:	51335	EO Index:	51335	Element Last Seen:	2001-02-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-02-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-23
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, NE (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:	MAPPED PER PROVIDED MAP OF OCCUPIED POOLS. SPECIMEN LOCALITY GIVEN AS "18 MI E OF MADERA, SECTION 34, TOWNSHIP 11S, RANGE 20E," EXACT COLLECTION LOCATION UNKNOWN, ATTRIBUTED HERE.						
Ecological:	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; 20 COLLECTED FROM VICINITY ON 28 FEB 2001.						
Owner/Manager:	PVT						

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:	2015-01-20
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97777 / -119.79394				Accuracy:	1/10 mile	
UTM:	Zone-11 N4096055 E251306				Elevation (ft):	430	
PLSS:	T11S, R20E, Sec. 16 (M)				Acres:	0.0	
Location:	EAST SIDE OF STATE ROUTE 41 JUST NORTH OF THE MADERA CANAL.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED ON SPECIMEN RECORD, FOR "ISOLATED POOL ON GRAZED LAND EAST OF STATE ROUTE 41 JUST NORTH OF THE MADERA CANAL."						
Ecological:	ON GRAZED NON-NATIVE GRASSLAND. VEGETATION IN POOL INCLUDED ERYNGIUM SP. AND JUNCUS SP.						
General:	4 ADULT FAIRY SHRIMP OBSERVED AND COLLECTED ON 8 NOV 2004, ACCESSIONED IN CAS (CASIZ #172190).						
Owner/Manager:	PVT						



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



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:	2015-01-07
Quad Summary:	Clovis (3611976)						
County Summary:	Fresno						
Lat/Long:	36.83107 / -119.63998			Accuracy:	1/10 mile		
UTM:	Zone-11 N4079385 E264562			Elevation (ft):	395		
PLSS:	T13S, R21E, Sec. 01, NW (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:	COORDINATES GIVEN FOR SPECIMEN COLLECTED IN 2003 AND LOCATION PROVIDED ON 2006 FIELD SURVEY FORM FALL WITHIN RESIDENTIAL LOT; THOUGH LOCATION DESCRIPTIONS INDICATE THE DETECTIONS WERE TO THE WEST, WITHIN THE CANAL EASEMENT.						
Ecological:	2006: 2X10 FOOT (1-2 INCH DEPTH) PUDDLE; LIKELY A REMNANT OF VERNAL POOLS THAT ONCE WERE FOUND AT THIS SITE; PUDDLE CONTAINED A MUD SUBSTRATE AND WAS SLIGHTLY MURKY.						
General:	3 COLLECTED ON 3 FEB 2003. 3 ADULTS OBSERVED ON 3 FEB 2006.						
Owner/Manager:	PVT, FRESNO FLOOD CONTROL DIST						
Occurrence No.	410	Map Index:	94156	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:	2015-01-20
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.98842 / -119.79572			Accuracy:	specific area		
UTM:	Zone-11 N4097242 E251182			Elevation (ft):	430		
PLSS:	T11S, R20E, Sec. 09 (M)			Acres:	46.0		
Location:	ABOUT 1.5 MILES SOUTH OF HIGHWAY 145 ALONG HIGHWAY 41 (AT BENCH MARK 432) AND MADERA CANAL RIGHT-OF-WAY.						
Detailed Location:	1992: 50 FT EAST OF HWY 41. 2001: SOMEWHERE IN SECTION 27. 2004: ALONG E SIDE OF CANAL. 2004-2005: EAST & WEST OF HWY 41 NEAR POST MILE 7.9 (1 POOL IN CALTRANS ROW; OTHERS ON PVT PROPERTY).						
Ecological:	HWY 145: ISOLATED POOLS WITHIN SWALE COMPLEXES & DIRT ROADS; VEG VARIOUS WITH TRICHOSTEMA LANCEOLATUM, CENTAUREA SOLSTITIALIS, & ERYNGIUM, JUNCUS, ERODIUM, & HORDEUM SP. CANAL: CLEAR, LARGE VERNAL POOLS. AREA IS GRAZED ANNUAL GRASSLAND.						
General:	ADULTS IN 2 POOLS, 10 MAR 1992. 18 COLLECTED FROM VICINITY ON 28 FEB 2001. FOUND IN 3 POOLS ON 18 MAR 2004. 1S FOUND IN 6 POOLS, 8 NOV 2004-1 FEB 2005; COLLECTIONS FROM EACH POOL DEPOSITED IN CAS.						
Owner/Manager:	CALTRANS, USBOR, PVT						



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



Occurrence No.	426	Map Index:	67525	EO Index:	67684	Element Last Seen:	1992-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-01-03
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00325 / -119.79450				Accuracy:	1/10 mile	
UTM:	Zone-11 N4098885 E251339				Elevation (ft):	450	
PLSS:	T11S, R20E, Sec. 04, SW (M)				Acres:	0.0	
Location:	50 FEET WEST OF HIGHWAY 41 AND 0.5 MILE SOUTH OF HIGHWAY 145, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	POOL #'S 148, 151, 152, AND 307.						
Ecological:	HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOL DOMINATED BY HORDEUM GENICULATUM.						
General:	UNKNOWN NUMBER OF ADULTS OBSERVED IN 2 VERNAL POOLS (148 AND 307) ON 12 MARCH 1992. THE ADULTS IN POOLS 151 AND 152 WERE NOT CONFIRMED TO SPECIES AND MAY BE LINDERIELLA OCCIDENTALIS.						
Owner/Manager:	PVT						

Occurrence No.	427	Map Index:	67532	EO Index:	67693	Element Last Seen:	2003-02-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-02-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-14
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01556 / -119.79316				Accuracy:	nonspecific area	
UTM:	Zone-11 N4100247 E251498				Elevation (ft):	450	
PLSS:	T10S, R20E, Sec. 33 (M)				Acres:	109.0	
Location:	ALONG HWY 41, FROM THE SE CORNER OF HWY 41 & HWY 145 UP TO ABOUT 0.75 MI NORTH, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	1992: MAPPED GENERALLY TO LOCATION DESCRIBED FOR POOLS 193, 199, & 207; 50-100' E OF HIGHWAY 41. 2003: PROVIDED COORDINATES FALL JUST S OF ROUTE 145, ABOUT 0.1 MILE EAST OF THE ROUTE 41 INTERSECTION.						
Ecological:	NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM, ELEOCHARIS MACROSTACHYA, AND PLAGIOBOTHRYIS STIPITATUS.						
General:	OBSERVED IN 2 POOLS ON 11 MAR 1992, POSSIBLY IN A THIRD POOL BUT ID NOT CONFIRMED (MAY HAVE BEEN LINDERIELLA OCCIDENTALIS). 10 COLLECTED ON 20 FEB 2003 (CASIZ #166629).						
Owner/Manager:	PVT						



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



Occurrence No.	594	Map Index:	72165	EO Index:	73131	Element Last Seen:	2005-02-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-02-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-05
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.02428 / -119.85186			Accuracy:	80 meters		
UTM:	Zone-11 N4101370 E246304			Elevation (ft):	416		
PLSS:	T10S, R19E, Sec. 36, NW (M)			Acres:	0.0		
Location:	SOUTH SIDE OF MADERA CANAL AT MILEPOST 013.46, ABOUT 0.8 MILE SSE OF ADOBE HILL, & 3.3 MILES WNW OF FOUR CORNERS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES, POOL ID MAC-L-013.46.1.						
Ecological:	HABITAT DESCRIBED AS A SHALLOW VERNAL POOL WITH ALGAE AND LOTS OF VEG COVER. MORE THAN 1/2 OF THE POOL ON ADJACENT PRIVATE PARCEL. FENCE-LINE RUNS THROUGH POOL. AREA SURROUNDED BY NON-NATIVE GRASSES.						
General:	1 MALE & 1 FEMALE CAPTURED AND IDENTIFIED TO SPECIES ON 4 FEB 2005 BY G. BASSO & K. TOMLINSON.						
Owner/Manager:	USBOR, PVT						
Occurrence No.	597	Map Index:	72210	EO Index:	73150	Element Last Seen:	2007-03-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-19
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.95795 / -119.70752			Accuracy:	specific area		
UTM:	Zone-11 N4093634 E258937			Elevation (ft):	450		
PLSS:	T11S, R21E, Sec. 20 (M)			Acres:	119.0		
Location:	BETWEEN N FRIANT RD & E SIDE FRIANT KERN CANAL; FROM 0.5 TO 1.9 MI W & 0.1 TO 1.0 MI N OF N FRIANT RD AT BLUFF VIEW AVE.						
Detailed Location:	2001: MAPPED TO COORDINATES GIVEN FOR COLLECTIONS FROM BLASINGAME PROPERTY. 2004: POOLS ALONG CANAL, MAPPED TO PROVIDED SHAPEFILE. 2007: POOLS ON WELLINGTON RANCH PROPERTY, MAPPED TO PROVIDED LOCATIONS AND COORDINATES.						
Ecological:	2004: CLEAR TO TURBID VERNAL POOLS & SWALES WITH EMERGENT VEGETATION & NON-NATIVE GRASSES, SOME CATTLE DISTURBANCE NOTED. 2007: POOLS IN GRAZED, NON-NATIVE GRASSLAND WITH MODERATE UNDULATING TOPOGRAPHY.						
General:	28 COLLECTED, FEB 2001; IN CAS. 1S FOUND IN ALL 3 POOLS SAMPLED ON 9 MAR 2004. UP TO THOUSANDS FOUND IN ABOUT 25 POOLS IN 2007. 30 COLLECTED, MAR 2007, DEPOSITED IN CAS.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	598	Map Index:	94245	EO Index:	73153	Element Last Seen:	2007-03-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-19
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.94542 / -119.69728				Accuracy:	specific area	
UTM:	Zone-11 N4092218 E259809				Elevation (ft):	477	
PLSS:	T11S, R21E, Sec. 29, NE (M)				Acres:	65.0	
Location:	FROM THE E SIDE OF THE FRIANT KERN CANAL TO ABOUT 0.7 MI W; FROM 2. TO 3.3 MI SSE OF THE FRIANT POST OFFICE.						
Detailed Location:	2001: MAPPED TO COORDINATES GIVEN FOR COLLECTION ON BLASINGAME PROPERTY. 2004: SERIES OF 5 POOLS ALONG CANAL'S E SIDE, MAPPED TO SHAPEFILE. 2007: MAPPED TO COORDINATES GIVEN FOR OBSERVATIONS & COLLECTIONS ON WELLINGTON RANCH PROPERTY.						
Ecological:	2004: CLEAR TO TURBID VERNAL POOLS WITH SOME CATTLE DISTURBANCE. 2007: VERNAL POOLS IN GRAZED NON-NATIVE GRASSLAND WITH MODERATE UNDULATING TOPOGRAPHY.						
General:	3 COLLECTED ON 12 MAR 2001 (CASIZ #158294). 1,000S OBSERVED IN 5 POOLS, 10 MAR 2004. FOUND IN 6 POOLS, 13 MAR 2007. 7 COLLECTED ON 14 MAR 2007 (CASIZ #178177).						
Owner/Manager:	USBOR, PVT						

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, W (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						



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



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, SE (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 SHAPEFLIE. 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						
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, NW (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						



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



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, S (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						

Occurrence No.	608	Map Index:	72243	EO Index:	73185	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:	2008-09-11
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.86853 / -119.59486			Accuracy:	80 meters		
UTM:	Zone-11 N4083432 E268699			Elevation (ft):	467		
PLSS:	T12S, R22E, Sec. 20, SW (M)			Acres:	0.0		
Location:	SOUTHWEST SIDE FRIANT-KERN CANAL AT MILEPOST 014.29, 0.2 MI NW OF ST HWY 168 (E SHEPHERD AVE) AT CANAL (BENCH MARK 462).						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID FKC-R-014.29.1.						
Ecological:	HABITAT DESCRIBED AS A LINEAR ROAD-SIDE POOL W/ ROCK-CLAY SUBSTRATE & NO VEG.						
General:	ON 10 MAR 2004 K. GARCIA-TOMLINSON NOTED THAT VERNAL POOL FAIRY SHRIMP WERE PRESENT IN POOL.						
Owner/Manager:	USBOR						



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



Occurrence No.	609	Map Index:	94219	EO Index:	73186	Element Last Seen:	2009-03-04
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-03-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-02-19	
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84853 / -119.58637			Accuracy:	specific area		
UTM:	Zone-11 N4081192 E269396			Elevation (ft):	465		
PLSS:	T12S, R22E, Sec. 32, S (M)			Acres:	260.0		
Location:	FROM HERNDON AVE NORTH TO THE FRIANT KERN CANAL, FROM ABOUT 0.4 TO 1.7 MILES EAST OF DOG CREEK; NE OF CLOVIS.						
Detailed Location:	2004: NE-MOST POLYGON, MAPPED TO PROVIDED SHAPEFILE; 2 POOLS, 1 ON EACH SIDE OF CANAL AT MILEPOST 015.681. 2007-2008: REMAINING POLYGONS MAPPED TO COORDINATES GIVEN FOR OCCUPIED POOLS ON ESTILL AND INDART PROPERTIES.						
Ecological:	VERNAL POOLS IN NON-NATIVE GRASSLAND W/UNDULATING TOPOGRAPHY. 2004: BULLFROGS FOUND. 2007: SURROUNDING LAND USES AG, SHEEP & CATTLE GRAZING, RESIDENTIAL; CALIF. LINDERIELLA, B. MESOVALLENSIS, SPEA HAMMONDII, AMBYSTOMA CALIFORNIENSE FOUND.						
General:	1S FOUND IN 2 POOLS, 11-12 MAR 2004. 5 COLLECTED 6 MAR 2007. 1000S FOUND IN 83 OF ABOUT 173 POOLS, 28 DEC 2007. 170 COLLECTED JAN-MAR 2008. 5 COLLECTED 4 MAR 2009.						
Owner/Manager:	USBOR, PVT						

Occurrence No.	610	Map Index:	94227	EO Index:	73191	Element Last Seen:	2004-03-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-02-27	
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85063 / -119.56270			Accuracy:	specific area		
UTM:	Zone-11 N4081368 E271514			Elevation (ft):	460		
PLSS:	T12S, R22E, Sec. 34 (M)			Acres:	46.0		
Location:	ABOUT 0.3 MI NE OF N ACADEMY AVE AT THE FRIANT KERN CANAL, & ALONG THE CANAL FROM 190 FT E TO 1 MI NW OF THE CROSSING.						
Detailed Location:	NE POLYGON MAPPED TO COORDINATES PROVIDED FOR SPECIMEN COLLECTED ON ESTILL PROPERTY. REMAINING POLYGONS MAPPED TO PROVIDED SHAPEFILE.						
Ecological:	CLEAR TO TURBID POOLS; VEGETATION INCLUDED NON-NATIVE GRASSES, POPCORN FLOWER, JUNCUS, & ERODIUM. SOME DISTURBANCE FROM GRAZING NOTED.						
General:	1S DETECTED IN 7 POOLS, 11 MAR-15 MAR 2004.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	612	Map Index:	72245	EO Index:	73194	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:	2008-09-12
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.82795 / -119.53556				Accuracy:	80 meters	
UTM:	Zone-11 N4078787 E273867				Elevation (ft):	463	
PLSS:	T13S, R22E, Sec. 01, SW (M)				Acres:	0.0	
Location:	SW SIDE OF FRIANT-KERN CANAL AT MILEPOST 018.96, 0.4 CANAL MILES N OF BULLARD AVE, 4 MILES SOUTH OF ACADEMY.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID FKC-R-018.96.1.						
Ecological:	HABITAT DESCRIBED AS A CLEAR, LINEAR, ROADSIDE POOL W/ NO VEGETATION & W/ A MUD-GRAVEL BOTTOM, MANY DEAD FAIRY SHRIMP NORTH.						
General:	3 MALES AND 4 FEMALES IDENTIFIED ON 11 MAR 2004 BY D. NEWMAN.						
Owner/Manager:	USBOR						

Occurrence No.	821	Map Index:	94150	EO Index:	95283	Element Last Seen:	2010-02-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-02-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-14
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04768 / -119.77597				Accuracy:	specific area	
UTM:	Zone-11 N4103766 E253132				Elevation (ft):	650	
PLSS:	T10S, R20E, Sec. 22 (M)				Acres:	27.0	
Location:	ALONG HIGHWAY 41, 0.3 TO 1.0 MILE NORTH OF ROAD 208 (BELLVIEW RD), ROUGHLY 13 MILES NORTH OF FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	POOLS IN AREA ROUTINELY DISKED FOR FIRE BREAK, ADJACENT TO HIGHWAY. IN NON-NATIVE ANNUAL GRASSLAND. SURROUNDING LAND USE RURAL RESIDENTIAL.						
General:	1S FOUND IN 10 POOLS, 5 JAN & 2 FEB 2010. COLLECTIONS FROM EACH POOL IN CAS (CASIZ #183512-183521).						
Owner/Manager:	PVT						

Occurrence No.	822	Map Index:	94152	EO Index:	95285	Element Last Seen:	2013-01-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97540 / -119.87328				Accuracy:	80 meters	
UTM:	Zone-11 N4096002 E244234				Elevation (ft):	360	
PLSS:	T11S, R19E, Sec. 14, NW (M)				Acres:	0.0	
Location:	0.1 MILE EAST OF THE INTERSECTION OF ROAD 37 AND FRANKLIN AVENUE, EAST OF MADERA.						
Detailed Location:	MAPPED TO COORDINATES GIVEN FOR POOL 155.						
Ecological:							
General:	3 COLLECTED ON 21 JAN 2013 (CASIZ #193774).						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	823	Map Index:	94153	EO Index:	95286	Element Last Seen:	2013-01-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.96694 / -119.86750				Accuracy:	80 meters	
UTM:	Zone-11 N4095049 E244720				Elevation (ft):	350	
PLSS:	T11S, R19E, Sec. 23, SW (M)				Acres:	0.0	
Location:	NORTH SIDE OF AVENUE 15, 0.5 MILE EAST OF ROAD 37, EAST OF MADERA.						
Detailed Location:	MAPPED TO COORDINATES GIVEN FOR POOL 334.						
Ecological:							
General:	1 COLLECTED ON 9 JAN 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	824	Map Index:	94154	EO Index:	95287	Element Last Seen:	2013-01-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-15
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97109 / -119.85785				Accuracy:	specific area	
UTM:	Zone-11 N4095483 E245593				Elevation (ft):	370	
PLSS:	T11S, R19E, Sec. 14, SE (M)				Acres:	10.0	
Location:	NORTH SIDE OF AVENUE 15, FROM 0.9 MILE EAST TO 1.0 MILE ENE OF THE JUNCTION WITH ROAD 37, EAST OF MADERA.						
Detailed Location:	MAPPED TO COORDINATES GIVEN FOR POOLS 268 (NORTH) AND 386 (SOUTH).						
Ecological:							
General:	3 COLLECTED FROM POOL 386 ON 9 JAN 2013. 2 COLLECTED FROM POOL 268 ON 18 JAN 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	826	Map Index:	94172	EO Index:	95303	Element Last Seen:	2009-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-03
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.89037 / -119.79661				Accuracy:	specific area	
UTM:	Zone-11 N4086364 E250783				Elevation (ft):	370	
PLSS:	T12S, R20E, Sec. 16, NW (M)				Acres:	19.0	
Location:	0.1 MILE NORTH TO 0.2 MILE SOUTH OF LANES BRIDGE DR AT CHILDRENS BLVD, JUST NE OF CHILDRENS HOSPITAL, NORTH OF FRESNO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED IN MUSEUM CATALOG FOR POOLS 70, 71, 74, AND 75.						
Ecological:	POOL DEPTHS OF 7 TO 20 CM.						
General:	13 COLLECTED FROM 4 POOLS, 27 FEB & 12 MAR 2009.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	827	Map Index:	94173	EO Index:	95305	Element Last Seen:	2009-02-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-02-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-16
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.88222 / -119.80389				Accuracy:	80 meters	
UTM:	Zone-11 N4085479 E250108				Elevation (ft):	360	
PLSS:	T12S, R20E, Sec. 17, SE (M)				Acres:	0.0	
Location:	0.4 MILE ENE OF THE INTERSECTION OF AVENUE 9 AND ROAD 40 1/2, JUST SW OF CHILDRENS HOSPITAL, NORTH OF FRESNO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED FOR COLLECTION FROM POOL 89.						
Ecological:	POOL DEPTH OF 12 CM.						
General:	3 COLLECTED FROM 1 POOL ON 27 FEB 2009.						
Owner/Manager:	UNKNOWN						
Occurrence No.	828	Map Index:	94176	EO Index:	95307	Element Last Seen:	2006-03-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-03
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.88369 / -119.81600				Accuracy:	1/5 mile	
UTM:	Zone-11 N4085673 E249033				Elevation (ft):	360	
PLSS:	T12S, R20E, Sec. 17, SW (M)				Acres:	0.0	
Location:	NORTH SIDE OF AVENUE 9, JUST WEST OF ROAD 40 1/2, NORTH OF FRESNO.						
Detailed Location:	MAPPED GENERALLY TO GIVEN LOCALITY, "N OF AVENUE 9, W OF ROAD 40 1/2, VERNAL POOL;" AND TO SINGLE COORDINATE PAIR GIVEN FOR SPECIMENS FROM MULTIPLE DIFFERENT POOLS (POOLS #5, 13, 24, 28, 30, 31, 34, 35, 36, 40, 41, 42, 43 & 52).						
Ecological:							
General:	MULTIPLE COLLECTIONS MADE ON 16 JAN, 17 JAN, 13 MAR, 27 MAR, AND UNKNOWN DATE IN 2006, ACCESSIONED IN CAS.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	830	Map Index:	94191	EO Index:	95333	Element Last Seen:	2008-03-13
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			2008-03-13
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2014-10-20

Quad Summary: Round Mountain (3611975)

County Summary: Fresno

Lat/Long:	36.84527 / -119.61486	Accuracy:	specific area
UTM:	Zone-11 N4080900 E266846	Elevation (ft):	430
PLSS:	T12S, R22E, Sec. 31, N (M)	Acres:	54.0

Location: FROM NORTH THOMPSON AVENUE TO 0.8 MILE EAST OF NORTH THOMPSON AVENUE, NORTH OF EAST ALLUVIAL AVENUE, EAST OF CLOVIS.

Detailed Location: HOFFMAN PROPERTY. FEATURE MAPPED TO COORDINATES PROVIDED WITH FIELD SURVEY FORM.

Ecological: POOLS IN NON-NATIVE GRASSLAND WITH SLIGHT UNDULATING TOPOGRAPHY USED FOR MODERATE SHEEP GRAZING. SURROUNDING LAND USED FOR AGRICULTURE.

General: THOUSANDS DETECTED IN 12 OUT OF 21 POOLS SURVEYED 28 DEC 2007. 44 COLLECTED JAN-MAR 2008 (CASIZ #178599-178611).

Owner/Manager: PVT

Occurrence No.	831	Map Index:	94192	EO Index:	95334	Element Last Seen:	2008-03-05
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2008-03-05
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2014-10-22

Quad Summary: Round Mountain (3611975)

County Summary: Fresno

Lat/Long:	36.86717 / -119.56438	Accuracy:	specific area
UTM:	Zone-11 N4083208 E271413	Elevation (ft):	480
PLSS:	T12S, R22E, Sec. 22, SW (M)	Acres:	22.0

Location: ALONG BOTH SIDES OF TOLLHOUSE ROAD (HIGHWAY 168), 0.4 TO 0.9 MILE SW OF INTERSECTION WITH N ACADEMY AVE, NE OF CLOVIS.

Detailed Location: MAPPED TO PROVIDED COORDINATES.

Ecological: NATURAL AND ARTIFICIAL VERNAL POOLS IN RIGHT-OF-WAY AND GRAZED GRASSLAND ADJACENT TO RESIDENCES. HABITAT QUALITY GOOD TO EXCELLENT EXCEPT FOR MAN-MADE POOL IMPACTED BY NEARBY CONSTRUCTION. LINDERIELLA OCCIDENTALIS ALSO OBSERVED.

General: ONES TO TENS DETECTED IN 5 POOLS, WITH 35 COLLECTED ON 20 FEB AND 5 MAR 2008. (CASIZ #175008, 177219-177222).

Owner/Manager: PVT, CALTRANS



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



Occurrence No.	835	Map Index:	94229	EO Index:	95356	Element Last Seen:	2006-04-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-04-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-19
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.91399 / -119.70725				Accuracy:	specific area	
UTM:	Zone-11 N4088755 E258823				Elevation (ft):	410	
PLSS:	T12S, R21E, Sec. 05, SW (M)				Acres:	24.0	
Location:	1.1 TO 1.4 MILES NNW OF THE INTERSECTION OF E COPPER AVENUE AND AUBERRY ROAD, NORTH OF CLOVIS.						
Detailed Location:	VERNI PROPERTY. MAPPED TO PROVIDED COORDINATES.						
Ecological:	PROPERTY APPEARS TO BE REGULARLY (ANNUALLY?) DISCED (AERIALS 2002-2014). CALIFORNIA TIGER SALAMANDER ALSO KNOWN FROM AREA.						
General:	20 COLLECTED JAN - APR 2006 (CASIZ #178151, 178152, 178153, 178154, 178155, 178156 AND 178157).						
Owner/Manager:	PVT						

Occurrence No.	836	Map Index:	94236	EO Index:	95362	Element Last Seen:	2001-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-21
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.95363 / -119.68516				Accuracy:	80 meters	
UTM:	Zone-11 N4093098 E260915				Elevation (ft):	550	
PLSS:	T11S, R21E, Sec. 21, SW (M)				Acres:	0.0	
Location:	0.8 MILE NNW OF WHERE AUBERRY ROAD CROSSES THE FRIANT KERN CANAL, SOUTH OF MILLERTON LAKE AND FRIANT.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. LOCALITY GIVEN AS "BLASINGAME PROPERTY, 4 MI S OF MILLERTON LAKE STATE RECREATION AREA."						
Ecological:							
General:	2 COLLECTED ON 12 MAR 2001 (CASIZ #158282).						
Owner/Manager:	PVT						

Occurrence No.	837	Map Index:	94237	EO Index:	95363	Element Last Seen:	2001-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-21
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.95386 / -119.72440				Accuracy:	specific area	
UTM:	Zone-11 N4093222 E257420				Elevation (ft):	350	
PLSS:	T11S, R21E, Sec. 19 (M)				Acres:	10.0	
Location:	EAST OF N FRIANT ROAD ON BOTH SIDES OF BLUFF VIEW AVE, SOUTH OF MILLERTON LAKE AND FRIANT.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. GIVEN LOCALITY "BLASINGAME PROPERTY, 4 MI S OF MILLERTON LAKE STATE RECREATION AREA."						
Ecological:	AERIAL PHOTOS SHOW CONSTRUCTION BY 2002 IN THE VICINITY OF THE NORTHERN POOL.						
General:	3 COLLECTED ON 26 FEB AND 2 COLLECTED 12 MAR 2001 (CASIZ #158276, 158132).						
Owner/Manager:	PVT						



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



Occurrence No.	838	Map Index:	94238	EO Index:	95364	Element Last Seen:	2001-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-19
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.94470 / -119.71751			Accuracy:	specific area		
UTM:	Zone-11 N4092188 E258005			Elevation (ft):	400		
PLSS:	T11S, R21E, Sec. 30, S (M)			Acres:	16.0		
Location:	1.5 TO 2.0 MILES NNE OF THE INTERSECTION OF N FRIANT ROAD AND N WILLOW AVENUE, NORTH OF CLOVIS.						
Detailed Location:	WELLINGTON RANCH PROPERTY, ALSO KNOWN AS BLASINGAME PROPERTY. MAPPED TO COORDINATES PROVIDED WITH MUSEUM SPECIMENS.						
Ecological:							
General:	11 COLLECTED FEB-MAR 2001 (CASIZ #158122, 158280, 158295, 158301).						
Owner/Manager:	PVT						

Occurrence No.	840	Map Index:	94246	EO Index:	95369	Element Last Seen:	2001-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-22
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.94028 / -119.70981			Accuracy:	80 meters		
UTM:	Zone-11 N4091679 E258677			Elevation (ft):	400		
PLSS:	T11S, R21E, Sec. 30, SE (M)			Acres:	0.0		
Location:	1.7 MILES WEST OF WHERE AUBERRY ROAD CROSSES FRIANT KERN CANAL, SOUTH OF MILLERTON LAKE AND FRIANT.						
Detailed Location:	MAPPED TO COORDINATES GIVEN FOR SPECIMEN COLLECTED FROM BLASINGAME PROPERTY.						
Ecological:							
General:	2 COLLECTED ON 12 MAR 2001 (CASIZ #158300).						
Owner/Manager:	PVT						

Occurrence No.	841	Map Index:	94248	EO Index:	95372	Element Last Seen:	1991-03-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-10-22
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.86679 / -119.58469			Accuracy:	2/5 mile		
UTM:	Zone-11 N4083215 E269601			Elevation (ft):	465		
PLSS:	T12S, R22E, Sec. 29 (M)			Acres:	0.0		
Location:	VICINITY OF HIGHWAY 168 ABOUT 1.5 MILES WEST OF N ACADEMY AVENUE, NE OF CLOVIS.						
Detailed Location:	MAPPED GENERALLY TO GIVEN LOCALITY, "CARLETON RANCH APPROXIMATELY 1.5 MILES WEST OF ACADEMY OFF CALIFORNIA HIGHWAY 168," EXACT COLLECTION LOCATION UNKNOWN.						
Ecological:	GRASSY SWALES AND VERNAL POOLS.						
General:	3 COLLECTED ON 30 MAR 1991 (BELK #1038, USNM #1072655).						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	902	Map Index:	A2132	EO Index:	103727	Element Last Seen:	2016-02-11
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2016-02-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-13
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.98655 / -120.03176				Accuracy:	80 meters	
UTM:	Zone-10 N4097499 E764182				Elevation (ft):	292	
PLSS:	T11S, R18E, Sec. 8, SW (M)				Acres:	5.0	
Location:	ALONG RAILROAD TRACK, ABOUT 0.2 MILES W OF ELLIS ST AT RD 28 1/2 & 1.1 MILES NE OF HWY 145 AT TOZER ST, MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	SEASONAL POOL/DIRT ROADSIDE PUDDLE ADJACENT TO RAILROAD RIGHT-OF-WAY IN RURAL RESIDENTIAL AREA. WITHIN PLANNED HIGH SPEED RAIL ALIGNMENT, SITE IS PERMITTED BUT HAS NOT BEEN DISTURBED YET (2016).						
General:	THOUSANDS OBSERVED, DOZENS OF ADULTS COLLECTED AND POSITIVELY IDENTIFIED ON 27 JAN, 5 FEB & 11 FEB 2016.						
Owner/Manager:	STATE-HS RAIL						

Occurrence No.	903	Map Index:	A2377	EO Index:	103985	Element Last Seen:	2016-02-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-02-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-27
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.92287 / -119.78682				Accuracy:	specific area	
UTM:	Zone-11 N4089944 E251762				Elevation (ft):	368	
PLSS:	T12S, R20E, Sec. 4, NE (M)				Acres:	9.0	
Location:	SOUTH SIDE OF AVE 12, VICINITY OF ROOT CREEK, ABOUT 0.5 MILES E OF HWY 41, 12 MILES N OF FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. POOLS #52 & 73.						
Ecological:	VERNAL POOL SURROUNDED BY GRAZED GRASSLAND. SURROUNDING LAND USES INCLUDED AGRICULTURE & HIGHWAY. LINDERIELLA OCCIDENTALIS ALSO OBSERVED.						
General:	1 ADULT OBSERVED IN POOL #52 ON 5 FEB 2016. 1 ADULT OBSEVED IN POOL #73 ON 16 FEB 2016.						
Owner/Manager:	PVT						



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



Occurrence No.	909	Map Index:	A6634	EO Index:	108404	Element Last Seen:	2017-02-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-18
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.99606 / -120.04928				Accuracy:	specific area	
UTM:	Zone-10 N4098506 E762589				Elevation (ft):	294	
PLSS:	T11S, R18E, Sec. 7, NW (M)				Acres:	10.0	
Location:	SOUTH SIDE OF AVENUE 17 ABOUT 0.3 TO 0.4 MILES EAST OF N LAKE ST, N OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	TWO BASINS BETWEEN ROWS OF AN INACTIVE VINEYARD IN AGRICULTURAL AREA. RAILROAD TRACKS NEARBY; HIGH SPEED RAIL PROJECT MAY IMPACT AREA. B. MESOVALLENSIS ALSO FOUND.						
General:	1 ADULT OBSERVED IN E POOL, 1 IN W POOL ON 26 FEB 2017. 100S-1000S OF NAUPLII PRESENT, UNKNOWN WHAT PERCENT WERE B. LYNCHI VS. B. MESOVALLENSIS.						
Owner/Manager:	PVT						

Occurrence No.	916	Map Index:	A8875	EO Index:	110670	Element Last Seen:	2017-01-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-01-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-04-03
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.92058 / -119.98415				Accuracy:	80 meters	
UTM:	Zone-11 N4090223 E234172				Elevation (ft):	273	
PLSS:	T12S, R18E, Sec. 3, NE (M)				Acres:	5.0	
Location:	ABOUT 0.5 MILES SE OF AVE 12 AT RD 30 1/2 AND 1.5 MILES NW OF AVE 11 AT IOWA ST IN TRIGO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SOUTH OF PG&E BORDEN SUBSTATION.						
Ecological:	VERNAL POOLS IN UNGRAZED ANNUAL GRASSLAND WITH NATIVE FORBS. TOPOGRAPHY IN THE STUDY AREA WAS ARTIFICIALLY RAISED IN THE SUBSTATION AND SLIGHTLY SLOPED, ALLOWING DRAINAGE TO THE E, S & W. SURROUNDED BY AG LAND. TIRE RUTS IN SOME POOLS.						
General:	100,000S OF ADULTS OBSERVED SWIMMING AND FEEDING 27 DEC 2016 TO 26 JAN 2017; IDENTIFIED ON 26 JAN 2017.						
Owner/Manager:	PVT-PGE						

Branchinecta mesoallensis

Element Code: ICBRA03150

midvalley fairy shrimp

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2

State: None

State: S2S3

Other:

Habitat: **General:** VERNAL POOLS IN THE CENTRAL VALLEY.

Micro: ☐



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



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, SE (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 SNOWMELT RUNOFF.						
General:	25 ADULTS OBSERVED ON 10 FEB 2002; COLLECTION MADE AND DEPOSITED AT CAS.						
Owner/Manager:	PVT						
Occurrence No.	30	Map Index:	48319	EO Index:	48319	Element Last Seen:	1992-03-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-03-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-01
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01170 / -119.79519			Accuracy:	1/10 mile		
UTM:	Zone-11 N4099823 E251305			Elevation (ft):	460		
PLSS:	T10S, R20E, Sec. 33, SW (M)			Acres:	0.0		
Location:	JUST NE OF HIGHWAY 145 AT HIGHWAY 41, ABOUT 5 MILES WNW OF MILLERTON LAKE/FRIANT DAM, FOUR CORNERS.						
Detailed Location:							
Ecological:	VERNAL POOLS.						
General:	MYERS COLLECTED 4 ON 8 MAR 1992 (BELK #1064, USNM #1084034). UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #035 (D. ROGERS) ON AN UNKNOWN DATE; ROGERS' LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.						
Owner/Manager:	UNKNOWN						



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



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, NW (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						

Occurrence No.	126	Map Index:	94618	EO Index:	95730	Element Last Seen:	2008-03-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-03-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-04
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.86638 / -119.56583				Accuracy:	80 meters	
UTM:	Zone-11 N4083124 E271281				Elevation (ft):	470	
PLSS:	T12S, R22E, Sec. 27, NW (M)				Acres:	0.0	
Location:	ABOUT 0.1 MILE SW OF STATE ROUTE 168 AT E SHEPHERD AVE, 1.2 MILES NW OF ACADEMY AVE AT THE FRIANT CANAL CROSSING.						
Detailed Location:	SR 168 AT SHEPHERD AVENUE, MAPPED TO COORDINATES GIVEN ON FIELD SURVEY FORM.						
Ecological:	POOL/SWALE IN GRAZED, NON-NATIVE GRASSLAND. VEGETATION IN POOL INCLUDED ELEOCHARIS, ERYNGIUM, POA ANNUA, AND PSILOCARPHUS BREVISSIMUS. LINDERIELLA OCCIDENTALIS ALSO OBSERVED. SURROUNDING LAND USE INCLUDED RESIDENTIAL DEVELOPMENT.						
General:	2 OBSERVED AND COLLECTED ON 6 FEB AND 2 OBSERVED/COLLECTED ON 5 MAR 2008.						
Owner/Manager:	PVT						



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



Occurrence No.	130	Map Index:	94622	EO Index:	95734	Element Last Seen:	2007-12-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-12-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-04
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84792 / -119.60813				Accuracy:	80 meters	
UTM:	Zone-11 N4081177 E267454				Elevation (ft):	430	
PLSS:	T12S, R22E, Sec. 31, NE (M)				Acres:	0.0	
Location:	ABOUT 0.75 MILE NE OF N THOMPSON AVE AT E ALLUVIAL AVE AND 1 MILE NW OF HERNDON AVE AT N AUTUMN AVE, CLOVIS.						
Detailed Location:	HOFFMAN PROPERTY. MAPPED TO COORDINATES GIVEN FOR POOL #15.						
Ecological:	POOLS IN NON-NATIVE GRASSLAND WITH SLIGHT UNDULATING TOPOGRAPHY. LINDERIELLA OCCIDENTALIS AND B. LYNCHI ALSO FOUND. DISTURBANCE FROM SHEEP GRAZING. SURROUNDING LAND USE WAS AGRICULTURAL AND DEVELOPMENT.						
General:	UP TO 1000S DETECTED IN 1 OF 21 POOLS SURVEYED ON 28 DEC 2007.						
Owner/Manager:	PVT						

Occurrence No.	131	Map Index:	94623	EO Index:	95735	Element Last Seen:	2007-12-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-12-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-04
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84991 / -119.58526				Accuracy:	specific area	
UTM:	Zone-11 N4081343 E269499				Elevation (ft):	440	
PLSS:	T12S, R22E, Sec. 32 (M)				Acres:	83.0	
Location:	FROM ABOUT 0.1 TO 1.3 MILES NORTH OF HERNDON AVE AND 0.4 TO 1.7 MILES EAST OF DOG CREEK; NE OF CLOVIS.						
Detailed Location:	SW SEC 28, SE SEC 29, NE SEC 32, AND W HALF SEC 33. ESTILL PROPERTY. MAPPED TO COORDINATES FOR OCCUPIED POOLS # 5, 6, 10-15, 17, 18, 20, 23, 25, 28, 29, 31, 33, 34, 40, 43, 45, 47, 54, 61-63, 66, 67, 84, & 87.						
Ecological:	POOLS IN NON-NATIVE GRASSLAND WITH UNDULATING TOPOGRAPHY. SURROUNDING LAND USES WERE GRAZING, AGRICULTURE, & RESIDENTIAL. LINDERIELLA OCCIDENTALIS, B. LYNCHI, SPEA HAMMONDII, & AMBYSTOMA CALIFORNIENSE ALSO FOUND ONSITE.						
General:	1,000S FOUND IN 32 OUT OF 92 POOLS SURVEYED 28 DEC 2007 (31 MAPPED HERE, SEE ALSO OCCURRENCE #132).						
Owner/Manager:	PVT						



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



Occurrence No.	132	Map Index:	94625	EO Index:	95736	Element Last Seen:	2007-12-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-12-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-12-09
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.84295 / -119.60031				Accuracy:	specific area	
UTM:	Zone-11 N4080607 E268136				Elevation (ft):	425	
PLSS:	T12S, R22E, Sec. 32, SW (M)				Acres:	3.0	
Location:	ABOUT 0.6 MILE NW OF HERNDON AVE AT DEL REY AVE AND 1.7 MILES SW OF TOLLHOUSE RD (SR 168) AT THE FRIANT KERN CANAL.						
Detailed Location:	ESTILL PROPERTY. MAPPED TO COORDINATES GIVEN FOR POOL #36.						
Ecological:	POOLS IN NON-NATIVE GRASSLAND WITH UNDULATING TOPOGRAPHY. SURROUNDING LAND USES GRAZING, AGRICULTURE, & RESIDENTIAL. LINDERIELLA OCCIDENTALIS, B. LYNCHI, SPEA HAMMONDII, & AMBYSTOMA CALIFORNIENSE ALSO FOUND ONSITE.						
General:	1000S FOUND IN 32 OUT OF 92 POOLS SURVEYED 28 DEC 2007 (1 MAPPED HERE, SEE ALSO OCCURRENCE #131).						
Owner/Manager:	PVT						

Occurrence No.	137	Map Index:	A6634	EO Index:	108403	Element Last Seen:	2017-02-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-02
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.99606 / -120.04928				Accuracy:	specific area	
UTM:	Zone-10 N4098506 E762589				Elevation (ft):	294	
PLSS:	T11S, R18E, Sec. 7, NW (M)				Acres:	10.0	
Location:	SOUTH SIDE OF AVENUE 17 ABOUT 0.3 TO 0.4 MILES EAST OF N LAKE ST, N OF MADERA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	TWO BASINS BETWEEN ROWS OF AN INACTIVE VINEYARD IN AGRICULTURAL AREA. RAILROAD TRACKS NEARBY; HIGH SPEED RAIL PROJECT MAY IMPACT AREA. B. LYNCHI ALSO FOUND.						
General:	7 ADULTS OBSERVED IN W POOL, 3 IN E POOL ON 26 FEB 2017. 100S-1000S OF NAUPLII PRESENT, UNKNOWN WHAT PERCENT WERE B. LYNCHI VS. B. MESOVALLENSIS.						
Owner/Manager:	PVT						

<i>Linderiella occidentalis</i>				Element Code: ICBRA06010			
California linderiella							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G2G3
	State:	None				State:	S2S3
	Other:	IUCN_NT-Near Threatened					
Habitat:	General:	SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.					
	Micro:	WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TOTAL DISSOLVED SOLIDS.					



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



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, SE (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 BENCHMARK 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 WITH EMERGENT VEG INCLUDING JUNCUS, GRASSES, ERYNGIUM, RUMEX; DRAINS INTO ADJ POOL. S POOL VERY LARGE, CLEAR VERNAL POOL EXTENDING N (250 X 1 M) 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						



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



Occurrence No.	14	Map Index:	24503	EO Index:	6612	Element Last Seen:	1993-03-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-09-21
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01474 / -119.84804				Accuracy:	80 meters	
UTM:	Zone-11 N4100300 E246612				Elevation (ft):	420	
PLSS:	T10S, R19E, Sec. 36, SE (M)				Acres:	0.0	
Location:	ALONG THE WEST SIDE OF MADERA CANAL, 0.3 MILE NORTH OF HIGHWAY 145, 12 MILES NORTH OF PINEDALE.						
Detailed Location:							
Ecological:							
General:	SEVERAL OBSERVED IN 1993.						
Owner/Manager:	USBOR						
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, NE (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. 30 M X 7 M. 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						



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



Occurrence No.	32	Map Index:	33052	EO Index:	3658	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)						
County Summary:	Fresno						
Lat/Long:	36.83817 / -119.56935				Accuracy:	1/5 mile	
UTM:	Zone-11 N4080001 E270883				Elevation (ft):	420	
PLSS:	T12S, R22E, Sec. 33, SE (M)				Acres:	0.0	
Location:	NORTH SIDE OF HERNDON AVENUE, 0.75 MILE WEST OF ACADEMY AVENUE, 6 MILES EAST OF CLOVIS.						
Detailed Location:							
Ecological:							
General:	COLLECTION #MW-94-07, DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						

Occurrence No.	33	Map Index:	33053	EO Index:	3659	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)						
County Summary:	Fresno						
Lat/Long:	36.83810 / -119.58051				Accuracy:	1/5 mile	
UTM:	Zone-11 N4080020 E269888				Elevation (ft):	410	
PLSS:	T12S, R22E, Sec. 33, SW (M)				Acres:	0.0	
Location:	NORTH SIDE OF HERNDON AVENUE, 1.4 MILES WEST OF ACADEMY AVENUE, 5.5 MILES EAST OF CLOVIS.						
Detailed Location:							
Ecological:							
General:	COLLECTION #MW-94-06, DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						

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:	2016-08-23
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, NE (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:	TURBID SEASONAL POOL IN GRAZED AREA DOMINATED BY JUNCUS. TREE FROG, WESTERN TOAD, AND BULLFROG ALSO FOUND DURING (NEGATIVE) SURVEYS FOR CALIFORNIA TIGER SALAMANDER.						
General:	COLLECTION #MW-94-04 AND #MW-94-05, DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	37	Map Index:	33073	EO Index:	3685	Element Last Seen:	1994-03-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-21
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04793 / -119.79256				Accuracy:	1/5 mile	
UTM:	Zone-11 N4103837 E251658				Elevation (ft):	520	
PLSS:	T10S, R20E, Sec. 21, NE (M)				Acres:	0.0	
Location:	EAST SIDE OF ROAD 209, 0.6 MILE NORTH OF ROAD 208, ABOUT 3 MILES NW OF LITTLE TABLE MOUNTAIN.						
Detailed Location:							
Ecological:							
General:	COLLECTION #RS-94-08, DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						
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, SE (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.	40	Map Index:	33078	EO Index:	17127	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:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.98208 / -119.89312				Accuracy:	80 meters	
UTM:	Zone-11 N4096797 E242490				Elevation (ft):	360	
PLSS:	T11S, R19E, Sec. 10, SW (M)				Acres:	0.0	
Location:	EAST SIDE OF ROAD 36, 1.1 MILES NORTH OF AVENUE 15, ABOUT 10 MILES NE OF MADERA.						
Detailed Location:							
Ecological:							
General:	COLLECTION #RS-94-02, DEPOSITED AT DFG-IFD.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	41	Map Index:	33079	EO Index:	4525	Element Last Seen:	1994-03-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-03-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-23
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.93727 / -119.98413				Accuracy:	80 meters	
UTM:	Zone-11 N4092075 E234232				Elevation (ft):	285	
PLSS:	T11S, R18E, Sec. 34, NE (M)				Acres:	0.0	
Location:	SOUTH SIDE OF AVENUE 13, 0.1 MILE EAST OF THE RAILROAD TRACKS, ABOUT 5 MILES ENE OF MADERA.						
Detailed Location:							
Ecological:							
General:	COLLECTION #RS-94-01 (ALSO INCLUDES BRANCHINECTA LYNCHI), 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, SE (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, 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						

Occurrence No.	119	Map Index:	34786	EO Index:	18817	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:	1996-06-07
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00472 / -119.83704				Accuracy:	1/5 mile	
UTM:	Zone-11 N4099159 E247557				Elevation (ft):	418	
PLSS:	T11S, R20E, Sec. 06, NW (M)				Acres:	0.0	
Location:	SOUTH OF MADERA CANAL, APPROXIMATELY 0.6 KM SOUTH OF HIGHWAY 145 AT ROAD 208.						
Detailed Location:	MANY POOLS AT SITE, BUT ONLY 4 POOLS SAMPLED.						
Ecological:	CLAYPAN VERNAL POOLS AND SWALES IN NON-NATIVE GRASSLAND.						
General:	LINDERIELLA OCCIDENTALIS PRESENT IN 3 OF 4 POOLS SAMPLED; BRANCHINECTA LYNCHI PRESENT IN SAME 3 POOLS (COLLECTED); SCAPHIOPUS HAMMONDII PRESENT IN 2 LARGEST POOLS.						
Owner/Manager:	UNKNOWN						



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



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, SW (M)				Acres:	127.6	
Location:	NORTHWEST OF AVENUE 15 AT 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:	2016-03-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-27
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94781 / -119.79413				Accuracy:	specific area	
UTM:	Zone-11 N4092732 E251192				Elevation (ft):	406	
PLSS:	T11S, R20E, Sec. 28, NW (M)				Acres:	10.0	
Location:	JUST WEST OF STATE ROUTE 41, FROM ABOUT 1.4 TO 1.7 MILES NORTH OF AVENUE 12, 7 MILES NORTH OF PINEDALE.						
Detailed Location:	1992: POOL #C211 LOCATED 50 FEET WEST OF STATE ROUTE 41; LOCATION MAPPED ACCORDING TO LOCATION SHOWN ON A MAP. 2016: POOL ABOUT 0.25 MILES SOUTH OF 1992 DETECTION, MAPPED TO PROVIDED COORDINATES.						
Ecological:	1992: NORTHERN HARDPAN VERNAL POOL DOMINATED BY ERYNGIUM VASEYI; SPEA HAMMONDII AND ORCUTTIA INAEQUALIS ALSO IN AREA. 2016: VERNAL POOL SURROUNDED BY PLOWED LAND.						
General:	UNKNOWN NUMBER OF ADULTS OBSERVED IN ONE POOL ON 11 MARCH 1992. UNKNOWN NUMBER OBSERVED ON 30 MAR 2016.						
Owner/Manager:	UNKNOWN, PVT						



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



Occurrence No.	267	Map Index:	67528	EO Index:	67688	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:	2007-01-03
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01626 / -119.79274				Accuracy:	nonspecific area	
UTM:	Zone-11 N4100323 E251537				Elevation (ft):	450	
PLSS:	T10S, R20E, Sec. 33 (M)				Acres:	168.0	
Location:	ALONG STATE ROUTE 41, 1000 FT SOUTH UP TO 0.75 MILE NORTH OF STATE ROUTE 145, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	POOL #S 165, 166, AND 900 (SOUTH OF STATE ROUTE 145) AND POOL #193 (NORTH OF STATE ROUTE 145) LOCATED 50 FT TO 100 FT EAST OF STATE ROUTE 41. POOL #193 IS LOCATED UP TO 0.75 MILE NORTH OF STATE ROUTE 145.						
Ecological:	HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS DOMINATED BY HORDEUM GENICULATUM, PLAGIOBOTHRYUS STIPITATUS, AND LYTHRUM HYSSOPIFOLIA.						
General:	ADULTS OBSERVED IN 4 VERNAL POOLS ON 11 MARCH 1992.						
Owner/Manager:	PVT						
Occurrence No.	345	Map Index:	72149	EO Index:	73187	Element Last Seen:	2008-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-17
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85612 / -119.57528				Accuracy:	specific area	
UTM:	Zone-11 N4082008 E270408				Elevation (ft):	465	
PLSS:	T12S, R22E, Sec. 28, S (M)				Acres:	8.0	
Location:	FRIANT-KERN CANAL MILEPOST 015.68, 0.6 MILE SE OF DOG CREEK, & 1 MILE NW OF BENCH MARK 461, CLOVIS.						
Detailed Location:	TWO POOLS, 1 EACH ON SW & NE SIDES OF CANAL, POOL IDS FKC-R-015.68.2 (SW) & FKC-L-015.68.1 (NE); MAPPED TO PROVIDED COORDINATES IN SHAPEFILE.						
Ecological:	HABITAT DESCRIBED AS: A TURBID CIRCULAR VERNAL POOL, W/ A "TIP" AT SE END (10 M X 3 M), W/ GRASSES, SILYBUM, AMSINCKIA, HORDEUM, VICIA; W/ BULLFROGS (SW POOL); A TYPICAL VERNAL POOL UNDER 2 COTTONWOODS W/ EMERG JUNCUS, GRASSES (NE POOL).						
General:	2 MALES & 4 FEMALES IDENTIFIED ON 11 MAR 2004 BY D. NEWMAN IN SW POOL. 3 MALES & 1 FEMALE IDENTIFIED ON 12 MAR 2004 BY D. NEWMAN IN NE POOL.						
Owner/Manager:	USBOR, PVT						



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



Occurrence No.	346	Map Index:	72150	EO Index:	73193	Element Last Seen:	2004-03-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-03-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-12
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85127 / -119.56001			Accuracy:	specific area		
UTM:	Zone-11 N4081433 E271755			Elevation (ft):	461		
PLSS:	T12S, R22E, Sec. 34 (M)			Acres:	22.0		
Location:	0.5 MILE WEST & 0.05 MILE EAST OF ACADEMY AVE (BM 461) ALONG THE FRIANT-KERN CANAL, 2.7 MILES SSW OF ACADEMY.						
Detailed Location:	SERIES OF 5 POOLS AT CANAL MILEPOSTS 016.29 (W), 0.16.48 (MID-W), 016.64 (MID), 016.82 (MID-E), & 016.85 (E), W/ POOL IDS FKC-L-016.29.1, FKC-L-016.48.1, FKC-R-016.64.1, FKC-L-016.82.1, & FKC-L-016.85.1, RESPECTIVELY. MAPPED TO SHAPEFILE.						
Ecological:	POOLS LOC ON N SIDE OF CANAL EXCEPT MID POOL ON S SIDE. DESCRIBED AS: (W) LRG, CIRCULAR, TURBID POOL, (MID-W) OVAL, TURBID POOL, RUSHES, (MID) CLEAR, LINEAR & CHANNELED (CRK X-ING), (MID-E) CLEAR, LINEAR V-POOL, (E) SM, CLEAR, RD-SIDE POOL.						
General:	WEST POOL: 4 MALES & 1 FEMALE OBS ON 15 MAR 2004 BY J. KOKX. MID: 2 M & 3 F OBS ON 11 MAR 2004 BY D. NEWMAN. MID-E: 1 M & 1 F OBS ON 15 MAR 2004 BY DN. E: 1 M & 1 F OBS ON 15 MAR 2004 BY DN.						
Owner/Manager:	USBOR, PVT						

Occurrence No.	358	Map Index:	72108	EO Index:	73225	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:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.01407 / -119.84558			Accuracy:	80 meters		
UTM:	Zone-11 N4100220 E246829			Elevation (ft):	429		
PLSS:	T10S, R19E, Sec. 36, SE (M)			Acres:	0.0		
Location:	MADERA CANAL MILEPOST 12.41, 2.8 MILES E (ENE) OF FOUR CORNERS BENCH MARK 457, COARSEGOLD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN GIS SHAPEFILE. POOL ID MAC-R-012.41.1.						
Ecological:	"TYPICAL VERNAL POOL, TURBID WATER, NO EMERGENT VEG., CIRCULAR SHAPED, NON-NATIVES INCLUDED LUPINE, TRIFOLIUM, GRASSES, SONCHUS, CASTELLEJA, PLAGIOBOTHRYIS, AND ERODIUM."						
General:	SPECIES PRESENT ON 18 MAR 2004 IN ESRP DATABASE NOTED BY D. NEWMAN.						
Owner/Manager:	USBOR						



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



Occurrence No.	359	Map Index:	45645	EO Index:	73226	Element Last Seen:	2005-02-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-02-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00994 / -119.83995				Accuracy:	specific area	
UTM:	Zone-11 N4099747 E247315				Elevation (ft):	424	
PLSS:	T11S, R19E, Sec. 01 (M)				Acres:	18.0	
Location:	MADERA CANAL AT CROSSING OF HIGHWAY 145 & JUST WEST OF RD 208, WEST OF LITTLE TABLE MOUNTAIN.						
Detailed Location:	4 POOL SERIES ON CANAL'S NE SIDE, 2 N & 2 S OF HWY. 2004: N POOL N OF HWY, POOL ID MAC-R-012.12.1. 2/2/05: N POOL S OF HWY, ID MAC-R-011.96.1. 2/3/05: S POOL S OF HWY, ID MAC-R-011.82.1. MAPPED TO PROVIDED COORDINATES IN GIS SHAPEFILE.						
Ecological:	2004: VERNAL POOL W/ CLEAR WATER, EMERGENT JUNCUS SP, GRASSES, NON-NATIVES INCL ERODIUM, PLAGIOBOTHRYIS, & SONCHUS. 2/2/05: 35X1.5M DITCH, CLEAR, W/ ERYNGIUM. 2/3/05: TEA-COLORED, LARGE POOL W/ DRAINAGE DEPRESSION AT NE END; VETCH, LACTUCA.						
General:	1 MALE & 4 FEMALES OBS ON 18 MAR 2004 BY D. NEWMAN. 1 MALE (& 3 UNKNOWN FEMALES) OBS ON 2 FEB 2005 BY K. GARCIA-TOMLINSON. PRESENT IN S POOL, S OF HWY ON 3 FEB 2005 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR, PVT						

Occurrence No.	360	Map Index:	72188	EO Index:	73228	Element Last Seen:	2005-03-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.00866 / -119.82581				Accuracy:	80 meters	
UTM:	Zone-11 N4099567 E248570				Elevation (ft):	423	
PLSS:	T11S, R20E, Sec. 06, NE (M)				Acres:	0.0	
Location:	MADERA CANAL AT MILEPOST 011.15, 0.9 CANAL MILES ESE OF THE X-ING OF HWY 145 & THE CANAL, 1.8 MILES WSW OF FOUR CORNERS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN SHAPEFILE. POOL ID MAC-R-011.15.1.						
Ecological:	"VERY DEEP AND COLD POOL."						
General:	AT LEAST ONE L. OCCIDENTALIS OBSERVED ON 23 MAR 2005 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR						



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



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, NW (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 MILE 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, SE (M)				Acres:	0.0	
Location:	EAST SIDE OF MADERA CANAL AT MILEPOST 007.33, 0.45 MILE 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						



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



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, NE (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 35 FT FROM FENCE AND <1 FT FROM ROAD; VEGETATION = ERYNGIUM SP AND TRIPHYSARIA 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, NW (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						



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



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, NW (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:	WAST 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						

Occurrence No.	372	Map Index:	72290	EO Index:	73250	Element Last Seen:	2004-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.86582 / -119.59035			Accuracy:	80 meters		
UTM:	Zone-11 N4083121 E269093			Elevation (ft):	466		
PLSS:	T12S, R22E, Sec. 29, NE (M)			Acres:	0.0		
Location:	EAST SIDE OF FRIANT-KERN CANAL AT MILEPOST 014.61, 0.1 CANAL MILES SOUTH OF TOLLHOUSE RD, 3 MILES SW OF ACADEMY (BM531).						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE. POOL ID FKC-L-014.61.1.						
Ecological:	POOL DESCRIBED AS A CLEAR, LINEAR, DITCH-LIKE POOL ALONG FENCE, W/ CLAY-LIKE GRAVEL BOTTOM. NON-NATIVE GRASSES, ALGAE, EMERGENT RUMEX AND JUNCUS SP. TWO ALMOND SAPLINGS, RRODIUM, LUPINUS, & POPCORN FLOWER.						
General:	2 MALES AND 1 FEMALE OBSERVED ON 12 MAR 2004 BY D. NEWMAN.						
Owner/Manager:	USBOR						



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



Occurrence No.	373	Map Index:	72291	EO Index:	73251	Element Last Seen:	2005-02-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.86003 / -119.58097			Accuracy:	80 meters		
UTM:	Zone-11 N4082455 E269913			Elevation (ft):	463		
PLSS:	T12S, R22E, Sec. 28, NW (M)			Acres:	0.0		
Location:	EAST SIDE OF FRIANT-KERN CANAL AT MILEPOST 015.26, 0.77 CANAL MILES SOUTH OF TOLLHOUSE RD, 2.8 MI SW OF ACADEMY (BM53).						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE. POOL ID FKC-L-015.26.2.						
Ecological:	HABITAT DESCRIBED AS "EMERGENT VEGETATION PRESENT. POOL CLEAR TO TEA COLORED."						
General:	2 MALES AND 2 FEMALE OBSERVED ON 24 FEB 2005 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR						
Occurrence No.	374	Map Index:	72292	EO Index:	73252	Element Last Seen:	2005-02-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85744 / -119.57679			Accuracy:	specific area		
UTM:	Zone-11 N4082157 E270277			Elevation (ft):	474		
PLSS:	T12S, R22E, Sec. 28, SW (M)			Acres:	6.0		
Location:	FRIANT-KERN CANAL AT MILEPOSTS 015.55 & 015.56, 1.07 CANAL MILES SW OF TOLLHOUSE RD, 2.7 MI SW OF ACADEMY (BM531).						
Detailed Location:	TWO VERY CLOSE POOLS ON EAST SIDE OF CANAL. POOL IDS FKC-L-015.55.1 AND FKC-L-015.56.1.						
Ecological:	POOLS DESCRIBED AS A CLEAR TO TEA-COLORED POOL W/ EMERGENT VEGETATION, AND A TURBID VERNAL POOL W/ EMERGENT JUNCUS SP, ERYNGIUM SP, NON-NATIVE GRASSES, VICIA, BROMUS, & SONCHUS.						
General:	4 MALES AND 4 FEMALES OBSERVED ON 12 MAR 2004 BY D. NEWMAN, AND 2 MALES AND 2 FEMALES OBS ON 24 FEB 2005 BY K. GARCIA-TOMLINSON.						
Owner/Manager:	USBOR						



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



Occurrence No.	375	Map Index:	72244	EO Index:	73253	Element Last Seen:	2004-03-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85243 / -119.56968				Accuracy:	specific area	
UTM:	Zone-11 N4081584 E270896				Elevation (ft):	462	
PLSS:	T12S, R22E, Sec. 28 (M)				Acres:	9.0	
Location:	FRIANT-KERN CANAL, 0.7 MI EAST OF BENCH MARK 461 AT THE X-ING OF THE CANAL WITH ACADEMY AVE, 2.9 MI SW OF ACADEMY.						
Detailed Location:	TWO POOLS, 1 EACH ON SW & NE SIDES OF CANAL, AT MILEPOSTS 016.08 & 016.06, WITH POOL IDS FKC-R-016.08.1 AND FKC-L-016.06.1, RESPECTIVELY. MAPPED TO PROVIDED COORDINATES IN SHAPEFILE.						
Ecological:	HABITAT DESCRIBED AS: A LONG, OVAL, TURBID POOL, W/ CATTLE DISTURBANCE, NON-NATIVE GRASSES, LUPINE, POPCORN FLOWER, JUNCUS, & ERODIUM (SW POOL); & A CLEAR, LINEAR POOL AT UNDERCROSSING (HISTORIC CRK), W/ EMERG JUNCUS, ERODIUM, GRASSES (NE).						
General:	OBSERVED AS PRESENT IN SW POOL ON 22 FEB 2005 BY D. NEWMAN, AND OBSERVED AS PRESENT IN NE POOL ON 12 MAR 2004 BY D. NEWMAN.						
Owner/Manager:	USBOR						

Occurrence No.	376	Map Index:	72294	EO Index:	73254	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:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.82988 / -119.53805				Accuracy:	80 meters	
UTM:	Zone-11 N4079007 E273650				Elevation (ft):	4621	
PLSS:	T13S, R22E, Sec. 02 (M)				Acres:	0.0	
Location:	FRIANT-KERN CANAL AT MILEPOST 018.78, 0.6 CANAL MILES NORTH OF BULLARD AVE, 1.7 MILES NW OF ROUND MOUNTAIN.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES IN ESRP SHAPEFILE. POOL ID FKC-R-018.78.1.						
Ecological:	HABITAT DESCRIBED AS A MOSTLY LINEAR, CLEAR POOL ALONG FENCELINE, W/ JUNCUS, ERYNGIUM, NON-NATIVE GRASSES, AMSINCKIA, & AVENA.						
General:	A TOTAL OF 3 MALES AND 8 FEMALES IDENTIFIED IN SAMPLES COLLECTED ON 11 MAR 2004 BY D. NEWMAN.						
Owner/Manager:	USBOR						



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



Occurrence No.	446	Map Index:	A2591	EO Index:	104180	Element Last Seen:	2016-02-05
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2016-02-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-12-02	
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.92277 / -119.78751			Accuracy:	specific area		
UTM:	Zone-11 N4089935 E251700			Elevation (ft):	370		
PLSS:	T12S, R20E, Sec. 4, NE (M)			Acres:	8.0		
Location:	SOUTH SIDE OF AVE 12 ABOUT 0.3 MILES E OF THE YOSEMITE FWY (HWY 41) INTERSECTION, N OF FRESNO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. POOL #52.						
Ecological:	VERNAL POOL SURROUNDED BY GRAZED GRASSLAND. SURROUNDING LAND USES INCLUDED AGRICULTURE & HIGHWAY. BRANCHINECTA LYNCHI ALSO OBSERVED.						
General:	OBSERVED IN POOL #52 ON 5 FEB 2016.						
Owner/Manager:	PVT						

<i>Desmocerus californicus dimorphus</i>				Element Code: IICOL48011	
valley elderberry longhorn beetle					
Listing Status:	Federal:	Threatened	CNDDDB 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, SW (M)				Acres:	0.0	
Location:	COLLINS CREEK, TRIBUTARY TO KINGS RIVER, IN THE VICINITY OF CHANNEL ROAD, ABOUT 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						



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



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, NW (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:	2006-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-18
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, NW (M)				Acres:	250.2	
Location:	ALONG HWY 41, BETWEEN SAN JOAQUIN RIVER CROSSING & CHILDRENS BLVD INTERSECTION, ABOUT 2.5 MI N OF PINEDALE POST OFFICE.						
Detailed Location:	1987 LOCATION DESCRIBED AS "RIPARIAN STRIP BETWEEN TURF FARM AND RIVER," AND T12S, R 20E, E 1/2 OF NW 1/4 OF SEC 21. 1992 LOCATION DESCRIBED AS "EITHER SIDE OF SR 41, BTWN SAN JOAQUIN RIV AND UP TO 1 MI N." WILDWOOD MITIGATION AREA.						
Ecological:	HABITAT WAS RIPARIAN WITH AN UNDERSTORY OF ELDERBERRY PLANTS.						
General:	1 FEMALE BEETLE OBSERVED BY A CDFG BIOLOGIST IN 1987. 8 OUT OF 35 SITES HAD CONFIRMED EXIT HOLES IN MAR 1992. REPORTED AS "NOT PRESENT" DURING 2005-2006 STUDY EVALUATING MITIGATION SITE CONDITIONS AND VELB SUCCESS.						
Owner/Manager:	UNKNOWN						



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



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, NE (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, NE (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, NW (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						



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



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, NW (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, SW (M)				Acres:	0.0	
Location:	ABOUT 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						



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



Occurrence No.	245	Map Index:	94924	EO Index:	96046	Element Last Seen:	2005-11-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-11-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-16	
Quad Summary:	Wahtoke (3611964), Sanger (3611965)						
County Summary:	Fresno						
Lat/Long:	36.72031 / -119.50448			Accuracy:	specific area		
UTM:	Zone-11 N4066771 E276327			Elevation (ft):	365		
PLSS:	T14S, R23E, Sec. 18, NE (M)			Acres:	22.0		
Location:	ABOUT 0.5 MI SE OF RAINBOW RD & RIVERBEND AVE INTERSECTION, ADJACENT TO COLLINS CREEK, 3.1 MI ENE OF SANGER POST OFFICE.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAP LOCATIONS FOR ELDERBERRY PLANTS WITH EXIT HOLES. THESE PLANTS WERE ALONG ROADWAYS ADJACENT TO ORCHARDS. ADDITIONAL ELDERBERRY PLANTS OBSERVED IN THE VICINITY BUT SHOWED NO SIGNS OF VELB OCCUPANCY.						
Ecological:	AGGREGATE MINING HAS BEEN OCCURRING IN THE AREA JUST TO THE EAST SINCE THE 1940'S. SURVEYORS NOTED THAT MINING ACTIVITY IS NOT BELIEVED TO HAVE A SIGNIFICANT IMPACT ON THE PRESENCE OF VELB.						
General:	APPROXIMATELY 8 ELDERBERRY PLANTS CONTAINING EXIT HOLES OBSERVED ON 8 NOV 2005. A TOTAL OF 80 PLANTS WITH EXIT HOLES FOUND BETWEEN THIS OCCURRENCE & OCCURRENCES # 246 & 247 TO THE EAST.						
Owner/Manager:	PVT-VULCAN MATERIALS						

Occurrence No.	247	Map Index:	94926	EO Index:	96049	Element Last Seen:	2005-11-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-11-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-05-14	
Quad Summary:	Wahtoke (3611964), Sanger (3611965)						
County Summary:	Fresno						
Lat/Long:	36.71722 / -119.49688			Accuracy:	specific area		
UTM:	Zone-11 N4066410 E276997			Elevation (ft):	370		
PLSS:	T14S, R23E, Sec. 17 (M)			Acres:	90.0		
Location:	ABOUT 1 MI S OF CENTERVILLE, 1.6 MI NE OF RIVERBEND AVE & ANNADALE RD, 3.7 MI ENE OF SANGER POST OFFICE, KINGS RIVER.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAP LOCATIONS FOR ELDERBERRY PLANTS W/ EXIT HOLES. ADDITIONAL PLANTS OBS IN THE VICINITY W/ NO VELB. A TOTAL OF 80 PLANTS W/ EXIT HOLES FOUND BTWN THIS OCCURRENCE & OCC. #245 & 246 TO THE W & N RESPECTIVELY.						
Ecological:	AGGREGATE MINING HAS BEEN OCCURRING IN THE AREA SINCE THE 1940'S. SURVEYORS NOTED THAT MINING ACTIVITY IS NOT BELIEVED TO HAVE A SIGNIFICANT IMPACT ON THE PRESENCE OF VELB. GENERAL HABITAT DESCRIBED AS "RIPARIAN" IN 2009.						
General:	APPROXIMATELY 68 ELDERBERRY PLANTS CONTAINING EXIT HOLES OBSERVED ON 8 NOV 2005. A SINGLE SHRUB WAS SURVEYED ON 11 DEC 2009 BY PG&E; PRESENCE OF EXIT HOLES WAS UNCLEAR.						
Owner/Manager:	PVT-VULCAN MATERIALS						



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



Lytta moesta

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: ☐

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, SE (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

Lytta molesta

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: ☐

Occurrence No.	6	Map Index:	30806	EO Index:	64457	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: Madera (3612081)

County Summary: Madera

Lat/Long:	36.96034 / -120.06173	Accuracy:	1 mile
UTM:	Zone-10 N4094507 E761603	Elevation (ft):	270
PLSS:	T11S, R17E, Sec. 24 (M)	Acres:	0.0

Location: MADERA.

Detailed Location:

Ecological:

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

Owner/Manager: UNKNOWN



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



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, NE (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						



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



Efferia antiochi

Element Code: IIDIP07010

Antioch efferian robberfly

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1G2

State: None

State: S1S2

Other:

Habitat: **General:** KNOWN ONLY FROM CONTRA COSTA AND FRESNO COUNTIES.

Micro: ☐

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



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



Metapogon hurdi

Element Code: IIDIP08010

Hurd's metapogon robberfly

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1G2

State: None

State: S1S2

Other:

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

Micro: ☐

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

Bombus crotchii

Element Code: IIHYM24480

Crotch bumble bee

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3G4

State: Candidate Endangered

State: S1S2

Other:

Habitat: **General:** COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro: FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Occurrence No. 32 **Map Index:** 66535 **EO Index:** 98649 **Element Last Seen:** 1953-04-18

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1953-04-18

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-08-28

Quad Summary: Millerton Lake West (3711916), Little Table Mtn. (3711917)

County Summary: Madera

Lat/Long: 37.09462 / -119.73427 **Accuracy:** 1 mile

UTM: Zone-11 N4108868 E256991 **Elevation (ft):** 1100

PLSS: T10S, R20E, Sec. 01 (M) **Acres:** 0.0

Location: SAN JOAQUIN EXPERIMENTAL RANGE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF SAN JOAQUIN EXPERIMENTAL RANGE, NORTH OF FRESNO.

Ecological:

General: COLLECTIONS WERE MADE IN THIS VICINITY ON 26 MAR 1952, 31 MAR 1952, 24 APR 1952, AND 18 APR 1953.

Owner/Manager: USFS-SIERRA NF



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



Occurrence No.	53	Map Index:	46277	EO Index:	98701	Element Last Seen:	1899-04-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1899-04-29		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-09-09		
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):	300		
PLSS:	T13S, R20E, Sec. 27 (M)			Acres:	0.0		
Location:	FRESNO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF FRESNO.						
Ecological:							
General:	COLLECTED 29 APR 1899.						
Owner/Manager:	UNKNOWN						

Occurrence No.	54	Map Index:	97407	EO Index:	98702	Element Last Seen:	1982-05-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1982-05-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-09-01		
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Fresno, Madera						
Lat/Long:	37.03180 / -119.65383				Accuracy:	2/5 mile	
UTM:	Zone-11 N4101694 E263947				Elevation (ft):	700	
PLSS:	T10S, R21E, Sec. 26 (M)				Acres:	0.0	
Location:	0.7 MILE SOUTH OF SKY HARBOUR, MILLERTON LAKE.						
Detailed Location:	UNABLE TO LOCATE SKY HARBOUR. MAPPED BY CNDDDB AS A BEST GUESS 0.7 ROAD MILE SOUTH OF THE NORTHERN END OF SKY HARBOUR ROAD, ON THE SOUTH SIDE OF MILLERTON LAKE.						
Ecological:							
General:	COLLECTED 28 MAY 1982.						
Owner/Manager:	USBOR-MILLERTON LAKE, PVT						



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



Calicina mesaensis

Element Code: ILARAU8070

Table Mountain harvestman

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1

State: None

State: S1

Other:

Habitat: **General:** KNOWN ONLY FROM THE TYPE LOCALITY, TABLE MOUNTAIN, FRESNO CO. KNOWN ONLY FROM THE TYPE SERIES.

Micro: ☐

Occurrence No. 1 **Map Index:** 59464 **EO Index:** 59500 **Element Last Seen:** 1985-03-31
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1985-03-31
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-01-19

Quad Summary: Millerton Lake West (3711916)

County Summary: Fresno

Lat/Long: 37.02505 / -119.65228 **Accuracy:** 1/5 mile
UTM: Zone-11 N4100941 E264064 **Elevation (ft):** 760
PLSS: T10S, R21E, Sec. 35 (M) **Acres:** 0.0

Location: TABLE MOUNTAIN, 2.8 MILES NORTH OF MILLERTON LAKE ROAD ON SKY HARBOR ROAD.

Detailed Location: SKY HARBOR DRIVE SHOWN AS PINE GOLD DRIVE ON THE TOPO MAP.

Ecological: UNDER BASALT ROCKS IN AN OAK GRASSLAND.

General: HOLOTYPE MALE AND 11 MALE AND 14 FEMALE PARATYPES.

Owner/Manager: UNKNOWN

Eryngium spinosepalum

Element Code: PDAPI0Z0Y0

spiny-sepaled button-celery

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.2

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

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

Occurrence No. 9 **Map Index:** 40381 **EO Index:** 35388 **Element Last Seen:** 1936-06-04
Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 1987-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-12-14

Quad Summary: Round Mountain (3611975)

County Summary: Fresno

Lat/Long: 36.76572 / -119.54406 **Accuracy:** 1 mile
UTM: Zone-11 N4071902 E272925 **Elevation (ft):** 400
PLSS: T13S, R22E, Sec. 26 (M) **Acres:** 0.0

Location: 4 MILES NORTH OF SANGER.

Detailed Location: EXACT LOCATION NOT KNOWN; MAPPED ABOUT 4 MILES NORTH OF SANGER ALONG ROAD HEADING TOWARDS ACADEMY.

Ecological:

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1936 COLLECTION BY HOOVER. AREA SEARCHED BY J.L. STEBBINS IN 1987; HABITAT IN THIS AREA APPARENTLY EXTIRPATED BY AGRICULTURE.

Owner/Manager: UNKNOWN



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



Occurrence No.	20	Map Index:	25041	EO Index:	6257	Element Last Seen:	2000-09-22
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-09-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-02
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.02980 / -119.78697				Accuracy:	specific area	
UTM:	Zone-11 N4101811 E252095				Elevation (ft):	470	
PLSS:	T10S, R20E, Sec. 33 (M)				Acres:	207.8	
Location:	HIGHWAY 41 FROM FOUR CORNERS NORTH ABOUT 3 KM (2 MI), AND ALONG ROAD 209 FROM JUNCTION WITH HWY 41 NORTH 1.3 MILES.						
Detailed Location:	MAPPED ALONG BOTH SIDES OF HIGHWAY 41 IN SECTION 33 AND ALONG THE EAST SIDE OF THE ROAD IN SECTION 28, AND ALONG BOTH SIDES OF ROAD 209 IN SECTION 28 AND THE N 1/2 OF SECTION 33.						
Ecological:	VERNAL POOLS AND SWALES IN AN ANNUAL GRASSLAND. ASSOCIATED WITH PLAGIOBOTHRYS SPP., HORDEUM GENICULATUM, LYTHRUM, LOLIUM MULTIFLORUM, PSILOCARPHUS BREVISSIMUS, VERONICA, BOISDUVALIA DENSIFLORA, POGOGYNE DOUGLASII, JUNCUS BUFONIUS, ETC.						
General:	20-100 PLANTS PER POOL/SWALE SEEN IN 1989 BY JOKERST; VALENTINE SAW 30 PLANTS AT VERNAL POOLS IN FOUR CORNERS IN 1990. THOUSANDS OF PLANTS SEEN BY PRESTON ALONG ROAD 209 IN 2000. PART OF A LARGE METAPOPOPULATION OF VERNAL POOLS WITH OCC #21.						
Owner/Manager:	CALTRANS, PVT, UNKNOWN						

Occurrence No.	21	Map Index:	25040	EO Index:	6258	Element Last Seen:	2010-09-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-09-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-08-02
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.04738 / -119.77582				Accuracy:	specific area	
UTM:	Zone-11 N4103733 E253144				Elevation (ft):	630	
PLSS:	T10S, R20E, Sec. 22 (M)				Acres:	20.0	
Location:	OFF OF HIGHWAY 41, SCATTERED FROM ABOUT 0.3 TO 1.5 MI NE OF TWENTYTWO MILE HOUSE.						
Detailed Location:	MAPPED AS 7 POLYGONS BASED ON 2010 CALTRANS DIGITAL DATA.						
Ecological:	VERNAL POOLS & DRAINAGE SWALES IN AN ANNUAL GRASSLAND. BLOOMING ASSOCIATED SPECIES INCLUDED LYTHRUM HYSSOPIFOLIA, DESCHAMPSIA DANTHONIOIDES, PSILOCARPHUS BREVISSIMUS, ACHYRACHAENA MOLLIS, HORDEUM MURINUM GUSSONEANUM, ETC.						
General:	20-100 PLANTS SEEN IN 3 SWALES IN 1989. POP ESTIMATES IN 2009 (FROM N TO S POLYS): 150, 100, 1200, 550, 11000, 1000, 11150-11600. O'LEARY NOTES THAT THIS PLANT MAY LIKELY BE AN INTERMEDIATE WITH E. CASTRENSE.						
Owner/Manager:	CALTRANS						



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



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						
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, SE (M)			Acres:	1.0		
Location:	ABOUT 1.1 MI SOUTH OF ROAD 204 ON EAST SIDE OF HIGHWAY 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						



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



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, NE (M)				Acres:	5.0	
Location:	ABOUT 0.75 MI SOUTH OF ROAD 204, ON ROAD SIDE AND 0.2 AIR MI EAST OF HIGHWAY 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						
Occurrence No.	74	Map Index:	83428	EO Index:	84447	Element Last Seen:	2010-05-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-08-02
Quad Summary:	Little Table Mtn. (3711917)						
County Summary:	Madera						
Lat/Long:	37.06069 / -119.76921				Accuracy:	specific area	
UTM:	Zone-11 N4105193 E253775				Elevation (ft):	630	
PLSS:	T10S, R20E, Sec. 15, SE (M)				Acres:	5.0	
Location:	OFF OF HIGHWAY 41, ABOUT 1.6 MI NE OF TWENTYTWO MILE HOUSE.						
Detailed Location:	MAPPED BASED ON 2010 CALTRANS DIGITAL DATA.						
Ecological:	VERNAL POOLS & DRAINAGE SWALES IN AN ANNUAL GRASSLAND. BLOOMING ASSOCIATED SPECIES INCLUDED LYTHRUM HYSSOPIFOLIA, DESCHAMPSIA DANTHONIOIDES, PSILOCARPHUS BREVISSIMUS, ACHYRACHAENA MOLLIS, HORDEUM MURINUM GUSSONEANUM, ETC.						
General:	500 PLANTS SEEN IN 2009. O'LEARY NOTES THAT THIS PLANT MAY LIKELY BE AN INTERMEDIATE WITH E. CASTRENSE.						
Owner/Manager:	CALTRANS						



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



Calycadenia hooveri

Element Code: PDAST1P040

Hoover's calycadenia

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive

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

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

Occurrence No. 44 **Map Index:** A5453 **EO Index:** 107183 **Element Last Seen:** 2007-05-23

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2007-05-23

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

Quad Summary: Lanes Bridge (3611987)

County Summary: Madera

Lat/Long: 36.96968 / -119.76717 **Accuracy:** 3/5 mile

UTM: Zone-11 N4095088 E253664 **Elevation (ft):**

PLSS: T11S, R20E, Sec. 15 (M) **Acres:** 776.0

Location: LOWER SLOPES OF LITTLE TABLE MOUNTAIN, ABOUT 1.5 MILES EAST OF INTERSECTION OF HIGHWAY 41 AND AVENUE 15.

Detailed Location: EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUESS.

Ecological: GROWING IN CRACKS AND THIN SOIL ON ROCK OUTCROPS WITH BROMUS HORDEACEUS, B. DIANDRUS, VULPIA MYUROS, AND HYPOCHAERIS GLABRA.

General: SITE IS BASED ON 2007 KRAMER PHOTOS IN CALPHOTOS.

Owner/Manager: UNKNOWN



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



Lagophylla dichotoma

Element Code: PDAST5J070

forked hare-leaf

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.1

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

Micro: SOMETIMES CLAY. 190-335 M.

Occurrence No. 12 **Map Index:** 85752 **EO Index:** 86780 **Element Last Seen:** 2010-04-10

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2010-04-10

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2012-04-18

Quad Summary: Round Mountain (3611975)

County Summary: Fresno

Lat/Long: 36.82364 / -119.51214 **Accuracy:** 1/10 mile

UTM: Zone-11 N4078253 E275944 **Elevation (ft):** 630

PLSS: T13S, R23E, Sec. 06, SW (M) **Acres:** 0.0

Location: NORTH SLOPE OF ROUND MOUNTAIN, 7.5 MILES WEST OF PIEDRA.

Detailed Location: MAPPED BY CNDDDB AROUND COORDINATES IN A 2010 BALDWIN PERSONAL COMMUNICATION.

Ecological: HARD-BAKED SOIL NEAR TOP OF NORTH SLOPE.

General: PLANTS WERE "SCARCE" AT SITE IN 2010. A 2010 WINCHELL PHOTO FROM ROUND MOUNTAIN IS ATTRIBUTED TO THIS SITE. A 1946 CARTER COLLECTION FROM NEAR TOP OF NORTH SLOPE OF ROUND MOUNTAIN NEAR SANGER IS ALSO ATTRIBUTED TO THIS OCCURRENCE.

Owner/Manager: UNKNOWN

Pseudobahia bahiifolia

Element Code: PDAST7P010

Hartweg's golden sunburst

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G2

State: Endangered

State: S2

Other: Rare Plant Rank - 1B.1, SB_RSABG-Rancho Santa Ana Botanic Garden

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

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



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



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, SE (M)			Acres:	10.0		
Location:	JUNCTION OF ROAD 206 & ROAD 205; BOTH SIDES OF ROAD 205, ABOUT 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, W (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						



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



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, SW (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, SE (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						



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



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, W (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>Pseudobahia peirsonii</i>	Element Code:	PDAST7P030
San Joaquin adobe sunburst		
Listing Status:	Federal:	Threatened
	State:	Endangered
	Other:	Rare Plant Rank - 1B.1, SB_RSABG-Rancho Santa Ana Botanic Garden
Habitat:	General:	VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.
	Micro:	GRASSY VALLEY FLOORS AND ROLLING FOOTHILLS IN HEAVY CLAY SOIL. 115-795 M.
CNDDDB Element Ranks:	Global:	G1
	State:	S1

Occurrence No.	15	Map Index:	15138	EO Index:	16859	Element Last Seen:	1994-04-09
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2010-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-03-27
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85300 / -119.55646				Accuracy:	80 meters	
UTM:	Zone-11 N4081616 E272077				Elevation (ft):	470	
PLSS:	T12S, R22E, Sec. 27, SE (M)				Acres:	0.0	
Location:	EAST SIDE OF ACADEMY AVE, 0.9 MI SOUTH OF JUNCTION WITH SHEPHERD AVE, 3.4 MI NORTH OF SHAW; JUST N OF FRIANT-KERN CANAL.						
Detailed Location:	LOCATED IN SW 1/4 OF SE 1/4 OF SECTION 27, JUST EAST OF ACADEMY AVE AND NORTH OF ROAD TOWARDS WELL.						
Ecological:	IN WET HEAVY CENTERVILLE CLAY SOIL. ASSOCIATES INCLUDE AVENA FATUA, BRASSICA KABER, LUPINUS BICOLOR, ACHYRACHAENA MOLLIS, AMSINCKIA INTERMEDIA, AND ERODIUM CICUTARIUM.						
General:	LARGEST POPULATION SEEN IN 1974. POPULATION NOT RELOCATED IN 1985 SURVEY. 350 PLANTS SEEN IN 1990, 100 IN 1994. NONE OBSERVED IN 2010 (SITE DISKED). SITE LIKELY REMNANT OF HISTORICALLY LARGE POP ON CLAY SOILS EXTENDING N TO HWY 168.						
Owner/Manager:	PVT						



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



Occurrence No.	16	Map Index:	15216	EO Index:	7950	Element Last Seen:	2010-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2017-04-03
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.82331 / -119.52210				Accuracy:	specific area	
UTM:	Zone-11 N4078241 E275053				Elevation (ft):	475	
PLSS:	T13S, R22E, Sec. 01, SE (M)				Acres:	27.0	
Location:	APPROXIMATELY 0.7 MILE WNW OF ROUND MOUNTAIN SUMMIT AND 0.5 MILE EAST OF FRIANT-KERN CANAL.						
Detailed Location:	JUST SOUTH OF HOG CREEK. WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 1. MAPPED BY CNDDDB ACCORDING TO 2010 VOLLMAR CONSULTING DIGITAL DATA AND 2008 KENTNER COORDINATES. 2008 WINCHELL PHOTO FROM FANCHER CREEK ALSO ATTRIBUTED HERE.						
Ecological:	IN NON-NATIVE GRASSLAND SURROUNDED BY AGRICULTURE ON HEAVY PORTERVILLE CLAY SOILS. ASSOCIATED WITH ACHYRACHAENA MOLLIS, BRASSICA KABER, HORDEUM GENICULATUM, LEPIDIUM NITIDUM, AND THE RARE HESPEREVAX CAULESCENS.						
General:	1200 PLANTS SEEN IN 1986, 1000 IN 1987, 3000 IN 1989, 4500 IN 1990, APPROXIMATELY 300 IN 2008, 2500-5000 IN 2010. 40% OF THIS 42 ACRE POPULATION WOULD BE IMPACTED BY PROPOSED FANCHER CREEK RESERVOIR PROJECT.						
Owner/Manager:	FRESNO FLOOD CONTROL DISTRICT						

Occurrence No.	30	Map Index:	22186	EO Index:	16864	Element Last Seen:	1990-04-04
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2011-04-29
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.82843 / -119.50980				Accuracy:	80 meters	
UTM:	Zone-11 N4078779 E276166				Elevation (ft):	495	
PLSS:	T13S, R23E, Sec. 06, SE (M)				Acres:	0.0	
Location:	ROUND MOUNTAIN, 1 KM (0.7 MI) NORTH OF SUMMIT (ELEVATION 869).						
Detailed Location:	WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 6.						
Ecological:	GROWING ON PORTERVILLE CLAY SOILS IN ASSOCIATION WITH HORDEUM LEPORINUM, AMSINCKIA INTERMEDIA, ERODIUM CICUTARIUM, LAMIUM AMPLEXICAULE, EVAX CAULESCENS, BROMUS RUBENS, AND SENECIO VULGARIS.						
General:	50 PLANTS SEEN IN 1987. 26 SEEN IN 1990; STEBBINS REPORTS THAT PLANTS WERE SMALLER THAN PRIOR VISIT, POSSIBLY DUE TO DRY CONDITIONS; AREA HEAVILY GRAZED AT TIME OF BOTH FIELD VISITS. NO PLANTS IN 2010; HABITAT AVAILABLE, HEAVILY GRAZED.						
Owner/Manager:	PVT						



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



Occurrence No.	31	Map Index:	22189	EO Index:	16860	Element Last Seen:	2010-03-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-03-31
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2011-05-09
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.80002 / -119.59661			Accuracy:	specific area		
UTM:	Zone-11 N4075834 E268337			Elevation (ft):	390		
PLSS:	T13S, R22E, Sec. 17, SE (M)			Acres:	5.0		
Location:	QUAIL LAKES DEVELOPMENT; BETWEEN ASHLAN AVENUE AND SHAW AVENUE, JUST NORTH OF REDBANK SLOUGH.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2009 PRESTON MAP. A 1991 STEBBINS MAP SHOWS THE POPULATION ~0.1 MI FURTHER TO THE E BUT THIS AREA IS NOW DEVELOPED; POPULATION MAY HAVE ONCE BEEN MORE EXTENSIVE OR SITE WAS MAPPED TOO FAR TO E BY STEBBINS.						
Ecological:	GROWING ON CENTERVILLE CLAY SOILS. ANNUAL GRASSLAND WITH BROMUS MOLLIS, VULPIA MYUROS, HYPOCHAERIS GLABRA, EVAX CAULESCENS, CENTAUREA MELITENSIS, SCANDEX PECTEN-VENERIS, CASTILLEJA EXSERTA, ACHYRACHAENA MOLLIS, LOTUS WRANGELIANUS, ETC.						
General:	~5000 PLANTS OVER 3 ACRES IN 1990. PROPOSED DEVELOPMENT INCLUDES 400 HOUSING UNITS, GOLF COURSE, & LAKES. BY 2009, DEVELOPMENT HAS PROGRESSED & SITE HAS BEEN FENCED & SIGNED AS A "RARE SPECIES PRESERVE". 200-300 PLANTS IN 2009, ~50 IN 2010.						
Owner/Manager:	PVT						

Occurrence No.	36	Map Index:	30079	EO Index:	12731	Element Last Seen:	2008-03-27
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-05-04
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.83134 / -119.54259			Accuracy:	specific area		
UTM:	Zone-11 N4079180 E273249			Elevation (ft):	450		
PLSS:	T13S, R22E, Sec. 02, NE (M)			Acres:	9.0		
Location:	WEST SIDE OF FRIANT-KERN CANAL, 0.1-0.6 MILE SOUTH OF HERNDON AVE. 0.7-1.0 MILE EAST OF ACADEMY AVE.						
Detailed Location:	3 POLYGONS MAPPED BY CNDDDB ACCORDING TO MAPS PROVIDED.						
Ecological:	GRASSLAND WITH LOLIUM MULTIFLORUM, LEPIDIUM NITIDUM, VICIA VILLOSA, LUPINUS BICOLOR, TRIFOLIUM DEPAUPERATUM, ACHYRACHAENA MOLLIS, PLAGIOBOTHRYS FULVUS.						
General:	46 PLANTS IN MIDDLE AND SOUTHEASTERN POLYGONS IN 1994. 1 PLANT OBSERVED IN NORTHERN POLYGON IN 2008. SITE WAS NOT ACCESSIBLE IN 2010.						
Owner/Manager:	PVT						



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



Cryptantha hooveri

Element Code: PDBOR0A190

Hoover's cryptantha

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** GH

State: None

State: SH

Other: Rare Plant Rank - 1A

Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND, INLAND DUNES.

Micro: IN COARSE SAND. 50-365 M.

Occurrence No. 5 **Map Index:** 32802 **EO Index:** 105877 **Element Last Seen:** 1935-05-01

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1935-05-01

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-04-10

Quad Summary: Millerton Lake West (3711916), Little Table Mtn. (3711917), O'Neals (3711926), Knowles (3711927)

County Summary: Madera

Lat/Long: 37.10284 / -119.73748

Accuracy: nonspecific area

UTM: Zone-11 N4109788 E256732

Elevation (ft): 1200

PLSS: T09S, R20E (M)

Acres: 4550.6

Location: SAN JOAQUIN EXPERIMENTAL RANGE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY AROUND THE SAN JOAQUIN EXPERIMENTAL RANGE. ELEVATION ON COLLECTION LABEL IS 1200 FEET.

Ecological: GRANITIC SAND. WOODLAND WITH LINANTHUS FILIPES AND FESTUCA MEGALURA. LOCAL ON DRY SLOPE.

General: SITE BASED ON A 1935 BISWELL COLLECTION; MENTIONED AS "SPARSE." COLLECTION APPEARS TO HAVE BEEN ANNOTATED BY I.M. JOHNSTON (AUTHOR OF C. HOOVERI). ALSO MENTIONED IN A 1958 CHECKLIST OF PLANTS AT THE SAN JOAQUIN EXP RANGE; PLANTS "UNCOMMON."

Owner/Manager: USFS-SIERRA NF



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



Tropidocarpum capparideum

Element Code: PDBRA2R010

caper-fruited tropidocarpum

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1

State: None

State: S1

Other: Rare Plant Rank - 1B.1, SB_RSABG-Rancho Santa Ana Botanic Garden, USFS_S-Sensitive

Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE CLAY. 0-360 M.

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

Caulanthus californicus

Element Code: PDBRA31010

California jewelflower

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: Rare Plant Rank - 1B.1

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

Micro: SANDY SOILS. 65-1860 M.

Occurrence No.	38	Map Index:	46277	EO Index:	63230	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1986-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-04-18	

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 IN THE GENERAL VICINITY OF FRESNO.

Ecological:

General: SITE IS BASED ON AN UNDATED DAVIDSON COLLECTION, POSSIBLY MADE IN THE LATE 1890'S OR EARLY 1900'S. NO HABITAT REMAINS IN VICINITY OF FRESNO ACCORDING TO TAYLOR (1986).

Owner/Manager: UNKNOWN



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



Downingia pusilla

Element Code: PDCAM060C0

dwarf downingia

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** GU
State: None **State:** S2
Other: Rare Plant Rank - 2B.2
Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-490 M.

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, NW (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 CNDDB.
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 CNDDB.
Owner/Manager: UNKNOWN

Atriplex cordulata var. cordulata

Element Code: PDCHE040B0

heartscale

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3T2
State: None **State:** S2
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive
Habitat: **General:** CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS AND SEEPS.
Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 3-275 M.

Occurrence No. 29 **Map Index:** 14246 **EO Index:** 6078 **Element Last Seen:** 1937-07-29
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 2009-09-02
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2009-11-02

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.63993 / -120.06182 **Accuracy:** 1 mile
UTM: Zone-10 N4058951 E762688 **Elevation (ft):** 200
PLSS: T15S, R17E, Sec. 12 (M) **Acres:** 0.0

Location: 6 MILES SOUTH OF KERMAN.
Detailed Location: MAPPED 6 MILES SOUTH OF KERMAN ALONG MADERA AVENUE, JUST SOUTH OF LINCOLN AVENUE.
Ecological:
General: ONLY SOURCE OF INFORMATION IS A 1937 HOOVER COLLECTION.
Owner/Manager: UNKNOWN



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



Atriplex minuscula

Element Code: PDCHE042M0

lesser saltscare

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.1

Habitat: **General:** CHENOPOD SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.

Micro: IN ALKALI SINK AND GRASSLAND IN SANDY, ALKALINE SOILS. 0-225 M.

Occurrence No. 22 **Map Index:** 14497 **EO Index:** 56441 **Element Last Seen:** 1937-05-27

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1937-05-27

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2004-08-18

Quad Summary: Raisin (3611958)

County Summary: Fresno

Lat/Long: 36.60022 / -119.89904 **Accuracy:** 1 mile

UTM: Zone-11 N4054438 E240678 **Elevation (ft):**

PLSS: T15S, R19E, Sec. 28 (M) **Acres:** 0.0

Location: RAISIN CITY.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB CENTERED ON RAISIN CITY.

Ecological:

General: ORIGINALLY COLLECTED AS ATRIPLEX DEPRESSA BY HOOVER. IDENTIFIED BY PRESTON TO BE A. MINUSCULA IN 2003 AND ANNOTATED BY ZACHARIAS AS A. MINUSCULA IN 2010. FORMER A. DEPRESSA OCCURRENCE #17.

Owner/Manager: UNKNOWN

Occurrence No. 23 **Map Index:** 56426 **EO Index:** 56442 **Element Last Seen:** 1948-08-24

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1948-08-24

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2004-08-18

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.69577 / -120.06023 **Accuracy:** nonspecific area

UTM: Zone-10 N4065153 E762640 **Elevation (ft):** 200

PLSS: T14S, R18E, Sec. 19, NW (M) **Acres:** 122.2

Location: ABOUT 2 MILES S OF KERMAN.

Detailed Location: MAPPED BY CNDDDB APPROXIMATELY 1.2-3.8 MILES S OF KERMAN ALONG MADERA AVENUE (SR-145).

Ecological: SEMI-ALKALI FLATS. ALKALINE GRASSLANDS.

General: ONLY SOURCE OF INFORMATION IS A 1948 NOBS & SMITH COLLECTION. ORIGINALLY COLLECTED AS A. DEPRESSA. IDENTIFIED AS A. MINUSCULA BY PRESTON IN 2003 AND ANNOTATED TO A. MINUSCULA BY ZACHARIAS IN 2010. FORMER A. DEPRESSA OCCURRENCE #38.

Owner/Manager: UNKNOWN



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



Lupinus citrinus* var. *citrinus

Element Code: PDFAB2B103

orange lupine

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2T2

State: None

State: S2

Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive

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

Micro: ROCKY, DECOMPOSED GRANITIC OUTCROPS, USUALLY OPEN AREAS, ON FLAT TO ROLLING TERRAIN. 380-1770 M.

Occurrence No.	67	Map Index:	64649	EO Index:	64728	Element Last Seen:	2003-05-19
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			2003-05-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2006-05-09

Quad Summary: Little Table Mtn. (3711917)

County Summary: Madera

Lat/Long:	37.08499 / -119.76168	Accuracy:	80 meters
UTM:	Zone-11 N4107870 E254523	Elevation (ft):	2950
PLSS:	T10S, R20E, Sec. 02, SW (M)	Acres:	0.0

Location: ABOUT 3.3 AIR MI NNE OF TWENTYTWO MILE HOUSE AND 0.4 MILE SOUTH OF SHAUBACH RANCH.

Detailed Location: MAPPED ABOUT 0.8 AIR MI SOUTHWEST OF INTERSECTION OF HIGHWAY 41 AND ROAD 406, ABOUT 0.25 MILE WEST OF HIGHWAY. MAPPED NEAR THE CENTER OF THE S 1/2 OF THE SW 1/4 OF SECTION 2.

Ecological: ON DECOMPOSED GRANITE SOILS IN ROCKY OUTCROPS. ASSOCIATED WITH STREPTANTHUS DIVERSIFOLIUS, LUPINUS BENTHAMII, MINUARTIA DOUGLASII, CHORIZANTHE MEMBRANACEA, AND BROMUS DIANDRUS.

General: 300+ PLANTS SEEN IN 2003. OCCURRENCE FIRST FOUND IN 1998.

Owner/Manager: PVT



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



Eriastrum hooveri

Element Code: PDPLM03070

Hoover's eriastrum

Listing Status: **Federal:** Delisted **CNDDDB Element Ranks:** **Global:** G3
State: None **State:** S3
Other: Rare Plant Rank - 4.2, SB_RSABG-Rancho Santa Ana Botanic Garden
Habitat: **General:** CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON AND JUNIPER WOODLAND.
Micro: ON SPARSELY VEGETATED ALKALINE ALLUVIAL FANS; ALSO IN THE TEMBLOR RANGE ON SANDY SOILS. 50-915 M.

Occurrence No. 7 **Map Index:** 14249 **EO Index:** 18406 **Element Last Seen:** 1979-08-01
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1979-08-01
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2007-12-19

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.65398 / -120.06106 **Accuracy:** nonspecific area
UTM: Zone-10 N4060512 E762708 **Elevation (ft):** 200
PLSS: T15S, R17E, Sec. 01, E (M) **Acres:** 69.0

Location: 4.7 MI S OF KERMAN RR STATION ALONG HWY 145 (MADERA AVE).
Detailed Location: MAPPED ALONG MADERA AVENUE ABOUT 4.7 MI SOUTH OF KERMAN.
Ecological: ON SLIGHT HUMMOCKS (WHERE LESS ALKALINE) IN ALKALINE PLAIN.
General: NEEDS FIELDWORK.
Owner/Manager: PVT

Occurrence No. 8 **Map Index:** 14497 **EO Index:** 7076 **Element Last Seen:** 1937-05-27
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1986-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1996-01-11

Quad Summary: Raisin (3611958)

County Summary: Fresno

Lat/Long: 36.60022 / -119.89904 **Accuracy:** 1 mile
UTM: Zone-11 N4054438 E240678 **Elevation (ft):** 235
PLSS: T15S, R19E, Sec. 28 (M) **Acres:** 0.0

Location: RAISIN CITY.
Detailed Location:
Ecological:
General:
Owner/Manager: PVT

Leptosiphon serrulatus

Element Code: PDPLM09130

Madera leptosiphon

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G3
State: None **State:** S3
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. 80-1645 M.



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



Occurrence No.	7	Map Index:	74656	EO Index:	3956	Element Last Seen:	1935-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1935-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-04-20
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.09044 / -119.73030				Accuracy:	1 mile	
UTM:	Zone-11 N4108394 E257331				Elevation (ft):	1050	
PLSS:	T10S, R21E, Sec. 06 (M)				Acres:	0.0	
Location:	SAN JOAQUIN EXPERIMENTAL RANGE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND THE AREA OF THE SAN JOAQUIN EXPERIMENTAL RANGE THAT IS LOWER IN ELEVATION (ABOUT 1100').						
Ecological:							
General:	ONLY SOURCE OF INFORMATION IS A 1935 COLLECTION BY JOHNSON. ACCORDING TO JOHNSON, FAIRLY COMMON. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	8	Map Index:	30839	EO Index:	3955	Element Last Seen:	1961-04-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1961-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-21
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Fresno, Madera						
Lat/Long:	37.02249 / -119.63292				Accuracy:	1/5 mile	
UTM:	Zone-11 N4100609 E265779				Elevation (ft):	600	
PLSS:	T10S, R21E, Sec. 36, NW (M)				Acres:	0.0	
Location:	BIG BEND, NORTH SHORE OF MILLERTON LAKE.						
Detailed Location:							
Ecological:	WITH SEVERAL COLONIES OF ARISTOLOCHIA.						
General:	ONLY SOURCE OF INFORMATION IS A 1961 COLLECTION BY BACIGALUPI. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

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, W (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						



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



Occurrence No.	10	Map Index:	30806	EO Index:	20975	Element Last Seen:	1889-05-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1889-05-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2009-04-16		

Quad Summary: Madera (3612081)

County Summary: Madera

Lat/Long: 36.96034 / -120.06173 **Accuracy:** 1 mile

UTM: Zone-10 N4094507 E761603 **Elevation (ft):** 270

PLSS: T11S, R17E, Sec. 24 (M) **Acres:** 0.0

Location: NEAR MADERA.

Detailed Location: MAPPED AT CNDDDB IN VICINITY OF THE COMMUNITY OF MADERA.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1889 COLLECTION BY BUCKMINSTER. 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



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



Delphinium recurvatum

Element Code: PDRAN0B1J0

recurved larkspur

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2?
State: None **State:** S2?
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive
Habitat: **General:** CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.
Micro: ON ALKALINE SOILS; OFTEN IN VALLEY SALTBUSH OR VALLEY CHENOPOD SCRUB. 3-790 M.

Occurrence No. 89 **Map Index:** 66448 **EO Index:** 66551 **Element Last Seen:** 1956-03-02
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1956-03-02
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-01-22

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.66274 / -120.09726 **Accuracy:** nonspecific area
UTM: Zone-10 N4061387 E759442 **Elevation (ft):**
PLSS: T14S, R17E, Sec. 35 (M) **Acres:** 39.0

Location: 200 FEET NORTH OF AMERICA N ROAD, 2 MILES WEST OF MADERA RD, 4 MILES SOUTH OF KERMAN.
Detailed Location: COULD NOT LOCATE AMERICA N ROAD; POSSIBLE TYPO. MAPPED AS BEST GUESS NORTH OF AMERICAN AVE.
Ecological: ALKALI SINK COMMUNITY IN FULL SUN AND DRY CLAY SOIL.
General: 1956 O'BERG COLLECTION IS THE ONLY SOURCE FOR THIS OCCURRENCE. SITE PRESUMED EXTIRPATED BY AGRICULTURAL CONVERSION.
Owner/Manager: UNKNOWN

Castilleja campestris var. succulenta

Element Code: PDSCR0D3Z1

succulent owl's-clover

Listing Status: **Federal:** Threatened **CNDDB Element Ranks:** **Global:** G4?T2T3
State: Endangered **State:** S2S3
Other: Rare Plant Rank - 1B.2
Habitat: **General:** VERNAL POOLS.
Micro: MOIST PLACES, OFTEN IN ACIDIC SOILS. 20-705 M.



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



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, SE (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., PLAGIOBOTHRYS 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.	5	Map Index:	14817	EO Index:	17663	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:	1989-08-11
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.02688 / -119.72653			Accuracy:	1/5 mile		
UTM:	Zone-11 N4101330 E257463			Elevation (ft):	430		
PLSS:	T10S, R21E, Sec. 30, SW (M)			Acres:	0.0		
Location:	ALONG RD #145 AND RD #211 AT THEIR JUNCTION.						
Detailed Location:	MAPPED FROM CNPS MAPS.						
Ecological:							
General:							
Owner/Manager:	UNKNOWN						



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



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, NW (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						
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, SW (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 PLAGIOBOTHRYUS 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						



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



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, SW (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						

Occurrence No.	18	Map Index:	14783	EO Index:	12299	Element Last Seen:	1991-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1993-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-12-11
Quad Summary:	Millerton Lake West (3711916)						
County Summary:	Madera						
Lat/Long:	37.01133 / -119.73986				Accuracy:	1/5 mile	
UTM:	Zone-11 N4099639 E256228				Elevation (ft):	500	
PLSS:	T10S, R20E, Sec. 36, SE (M)				Acres:	0.0	
Location:	NORTH SIDE OF HIGHWAY 145, 0.25 MILE WEST OF JUNCTION WITH ROAD 206, WEST OF MILLERTON LAKE.						
Detailed Location:							
Ecological:	ON SANDY LOAM IN VALLEY GRASSLAND WITH MIMA MOUND TOPOGRAPHY AND VERNAL POOLS. ASSOCIATED WITH DOWNINGIA ELEGANS, ERYNGIUM VASEYI, POGOGYNE AND PLAGIOBOTHRYIS.						
General:	MORE THAN 1000 PLANTS IN 1984. SITE QUALITY EXCELLENT IN 1991. AREA SEARCHED BUT NO PLANTS OBSERVED IN 1993. AREA WAS HEAVILY GRAZED BY CATTLE AND THE HABITAT WAS BADLY TRAMPLED AND DEGRADED. CASTILLEJA ATTENUATA STILL PRESENT IN 1993.						
Owner/Manager:	PVT						



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



Occurrence No.	29	Map Index:	14683	EO Index:	6892	Element Last Seen:	2017-04-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-07
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, NE (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 CNDDB 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., DESCHAMPSIA DANTHONIOIDES, GLYCERIA OCCIDENTALIS, ETC.						
General:	200-400 PLANTS IN 1985, 10 IN 1993, 100S IN 1995, <20 IN 2009. ~2000 PLANTS OBSERVED IN AN EXTENSIVE SURVEY IN 2010 (NUMBERS INCLUDE PLANTS IN CREATED POOLS). ~100 PLANTS IN S-MOST POLYGON IN 2017. LAND PURCHASED TO PRESERVE VERNAL POOLS.						
Owner/Manager:	CALTRANS						
Occurrence No.	31	Map Index:	25123	EO Index:	6195	Element Last Seen:	2008-04-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-13
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.87330 / -119.61142				Accuracy:	80 meters	
UTM:	Zone-11 N4084001 E267238				Elevation (ft):	440	
PLSS:	T12S, R22E, Sec. 19, SW (M)				Acres:	0.0	
Location:	HARLAN RANCH, 0.5 MILE NORTHEAST OF HIGHWAY 168/SHEPARD AVENUE INTERSECTION, WEST OF KERN-FRIANT CANAL.						
Detailed Location:	MAPPED NEAR CENTER OF SECTION 19.						
Ecological:	HARDPAN VERNAL POOL WITHIN VALLEY GRASSLAND. ASSOCIATED WITH ERYNGIUM, MIMULUS TRICOLOR, PSILOCARPHUS TENELLUS, P. BREVISSIMUS, PLAGIOBOTHRYIS ACANTHOCARPUS, DOWNINGIA ORNATISSIMA, AND LASTHENIA FREMONTII.						
General:	150 PLANTS OBSERVED IN 1991. 4 PLANTS IN 2008; LOW RAINFALL YEAR. SEVERAL GOOD VERNAL POOLS/MIMA MOUNDS IN THE VICINITY.						
Owner/Manager:	PVT						



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



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, NE (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						

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, NE (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, PLAGIOBOTHRYIS STIPITATUS, LYTHRUM HYSSOPIFOLIA, ERYNGIUM VASEYI, CRASSULA AQUATICA, AND PSILOCARPHUS 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						



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



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, SW (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 HYSSOIFOLIUM, AND PSILOCARPHUS BREVISSIMUS. PROBABLE FAIRY SHRIMP SITE AND EXCELLENT AMPHIBIAN HABITAT.						
General:	300 PLANTS IN 1996.						
Owner/Manager:	PVT						

Occurrence No.	43	Map Index:	40368	EO Index:	35375	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-12-11
Quad Summary:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.85664 / -119.61104				Accuracy:	2/5 mile	
UTM:	Zone-11 N4082151 E267221				Elevation (ft):	440	
PLSS:	T12S, R22E, Sec. 30 (M)				Acres:	0.0	
Location:	SOUTH OF HARLAN RANCH, EAST OF THOMPSON AVE BETWEEN TOLLHOUSE ROAD AND DOG CREEK, EAST OF CLOVIS.						
Detailed Location:	SITE BASED UPON 1991 PHONE CONVERSTATION WITH J. STEBBINS REGARDING PLANTS "FOUND ABOUT 1 MILE SOUTH OF HARLAN RANCH POPULATION" (OCCURRENCE #31). SITE MAPPED NEAR THE CENTER OF SECTION 30.						
Ecological:							
General:	NEEDS FIELDWORK AND MORE DETAIL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	97	Map Index:	71608	EO Index:	72512	Element Last Seen:	1982-05-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1982-05-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-06-30
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.96663 / -119.95685				Accuracy:	nonspecific area	
UTM:	Zone-11 N4095258 E236762				Elevation (ft):	300	
PLSS:	T11S, R18E, Sec. 24, N (M)				Acres:	70.0	
Location:	7 MILES WEST OF AVENUE 15 AND ROAD 39 1/2 ON AVENUE 15.						
Detailed Location:	NORTH AND SOUTH OF ROAD. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1982 MALLORY COLLECTION.						
Ecological:	VERNAL POOL PLANT COMMUNITY.						
General:	MENTIONED AS "RARE" IN 1982. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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



Occurrence No.	102	Map Index:	B1604	EO Index:	113515	Element Last Seen:	2013-03-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-24
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.96736 / -119.85859				Accuracy:	80 meters	
UTM:	Zone-11 N4095071 E245516				Elevation (ft):	374	
PLSS:	T11S, R19E, Sec. 14, SE (M)				Acres:	5.0	
Location:	NORTH SIDE OF AVENUE 15, ABOUT 1 MILE EAST OF ROAD 37, NORTH OF FRESNO.						
Detailed Location:	MAPPED ACCORDING TO 2013 FISHER COORDINATES, IN THE FAR SE 1/4 OF SECTION 14.						
Ecological:	NORTHERN HARDPAN VERNAL POOL. ASSOCIATES INCLUDE LASTHENIA FREMONTII, PSILOCARPHUS BREVISSIMUS SSP. BREVISSIMUS, PLAGIOBOTHRYS ACANTHOCARPUS, P. STIPITATUS, LYTHRUM HYSSOPIFOLIA, AND ERYNGIUM SP.						
General:	~2700 PLANTS OBSERVED IN 2013. PROPOSED CONSERVATION BANK.						
Owner/Manager:	PVT						

Occurrence No.	103	Map Index:	B1605	EO Index:	113516	Element Last Seen:	2017-04-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-04-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-10
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94428 / -119.78453				Accuracy:	specific area	
UTM:	Zone-11 N4092315 E252036				Elevation (ft):	407	
PLSS:	T11S, R20E, Sec. 27, SW (M)				Acres:	3.0	
Location:	ABOUT 1.5 AIR MILES NNE OF THE INTERSECTION OF HIGHWAY 41 AND AVENUE 12, WEST OF THE SAN JOAQUIN RIVER.						
Detailed Location:	4 POLYGONS MAPPED ACCORDING TO 2017 DELONG COORDINATES, WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 27 AND THE NE 1/4 OF THE SE 1/4 OF SECTION 28.						
Ecological:	LARGE VERNAL POOL COMPLEX. FOUND IN A LARGE DEEP POOL AND SHALLOWER POOLS. COBBLY CLAY SOIL. ASSOCIATED WITH PILULARIA AMERICANA, PSILOCARPHUS BREVISSIMUS, CRASSULA AQUATICA, HORDEUM MARINUM, ERYNGIUM CASTRENSE, SIDALCEA HIRSUTA, ETC.						
General:	IN 2017, 26 PLANTS SEEN IN WESTERN POLYGON, 24 PLANTS IN MIDDLE POLYGON, 42 PLANTS IN SE-MOST POLYGON, 4 PLANTS IN NE-MOST POLYGON.						
Owner/Manager:	PVT						



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



Chloropyron palmatum

Element Code: PDSCROJ0J0

palmate-bracted bird's-beak

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: Rare Plant Rank - 1B.1, SB_RSABG-Rancho Santa Ana Botanic Garden

Habitat: **General:** CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: USUALLY ON PESCADERO SILTY CLAY WHICH IS ALKALINE, WITH DISTICHLIS, FRANKENIA, ETC. 5-155 M.

Occurrence No. 4 **Map Index:** 14246 **EO Index:** 6077 **Element Last Seen:** 1937-07-29

Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1983-07-02

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2011-01-20

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.63993 / -120.06182 **Accuracy:** 1 mile

UTM: Zone-10 N4058951 E762688 **Elevation (ft):** 195

PLSS: T15S, R17E, Sec. 12 (M) **Acres:** 0.0

Location: 6 MILES SOUTH OF KERMAN (ON MADERA AVE).

Detailed Location:

Ecological:

General: SITE BASED ON A 1937 HOOVER COLLECTION. SITE VISITED IN 1965 AND 1983 AND PLANTS NOT OBSERVED. HABITAT LOSS DUE TO SOIL RECLAMATION AND AREA UNDER CULTIVATION.

Owner/Manager: UNKNOWN

Sagittaria sanfordii

Element Code: PMALI040Q0

Sanford's arrowhead

Listing Status: **Federal:** None

CNDDDB 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. 0-605 M.

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, SW (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



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



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:	2013-06-06
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:	T12S, R20E, Sec. 27, NW (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:	OCCURRENCE IS BASED ON A QUIBELL COLLECTION FROM 1953 AND TWO SIMONIAN COLLECTIONS FROM 1953 AND 1954. AREA SEARCHED BY TURNER IN 1980 BUT NO PLANTS WERE FOUND.						
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, SE (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						

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:	2013-06-06
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:	T13S, R19E, Sec. 02, SE (M)				Acres:	0.0	
Location:	HERNDON AVE AT BRAWLEY AVE, APPROXIMATELY 3 MILES WEST OF PINECREST.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDB AS A BEST GUESS.						
Ecological:							
General:	OCCURRENCE IS BASED ON A 1953 COLLECTION BY SIMONIAN. AREA SEARCHED BY TURNER IN 1980 BUT NO PLANTS WERE FOUND.						
Owner/Manager:	UNKNOWN						



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



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, SW (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, NE (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						
Occurrence No.	103	Map Index:	A6487	EO Index:	108249	Element Last Seen:	2014-08-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-08-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-22
Quad Summary:	Friant (3611986)						
County Summary:	Fresno						
Lat/Long:	36.98641 / -119.71856				Accuracy:	80 meters	
UTM:	Zone-11 N4096820 E258045				Elevation (ft):	310	
PLSS:	T11S, R21E, Sec. 7, SE (M)				Acres:	5.0	
Location:	SAN JOAQUIN RIVER HATCHERY EFFLUENT POND, SOUTH SIDE OF SAN JOAQUIN RIVER, ~1.2 AIR MI SW OF FRIANT DAM.						
Detailed Location:	ON THE SOUTHEASTERN SIDE OF POND. MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 7.						
Ecological:	WETLAND EMERGENT VEGETATION DOMINATED BY CATTAILS AND WATER PRIMROSE.						
General:	50-100 PLANTS OBSERVED IN 2014.						
Owner/Manager:	DFG-SAN JOAQUIN FISH HATCHERY						



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



Imperata brevifolia

Element Code: PMPOA3D020

California satintail

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S3
Other: Rare Plant Rank - 2B.1, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive
Habitat: **General:** COASTAL SCRUB, CHAPARRAL, RIPARIAN SCRUB, MOJAVEAN DESERT SCRUB, MEADOWS AND SEEPS (ALKALI), RIPARIAN SCRUB.
Micro: MESIC SITES, ALKALI SEEPS, RIPARIAN AREAS. 3-1495 M.

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 CNDDB 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

Orcuttia pilosa

Element Code: PMPOA4G040

hairy Orcutt grass

Listing Status: **Federal:** Endangered **CNDDB Element Ranks:** **Global:** G1
State: Endangered **State:** S1
Other: Rare Plant Rank - 1B.1
Habitat: **General:** VERNAL POOLS.
Micro: 25-125 M.



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



Occurrence No.	15	Map Index:	14329	EO Index:	22325	Element Last Seen:	1941-05-31
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1987-06-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-07-21
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.99300 / -120.00543			Accuracy:	1/5 mile		
UTM:	Zone-10 N4098288 E766503			Elevation (ft):	300		
PLSS:	T11S, R18E, Sec. 09, NE (M)			Acres:	0.0		
Location:	4 MILES EAST OF MADERA.						
Detailed Location:	MAPPED ALONG HIGHWAY 145. COLLECTION MADE "3 MILES OUT OF MADERA ON THE NORTHFORK ROAD" ARE ALSO ATTRIBUTED TO THIS SITE. AREA NEAR HIGHWAY 145 AND ROADS 300 AND 400 SEARCHED IN 1981.						
Ecological:							
General:	AREA SEARCHED IN 1981 & 1987 BUT NO SUITABLE HABITAT REMAINS; SITE EXTIRPATED. INCLUDES FORMER OCCURRENCE #14.						
Owner/Manager:	PVT						
Occurrence No.	19	Map Index:	14334	EO Index:	25989	Element Last Seen:	1986-05-21
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2010-08-08
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2013-04-24
Quad Summary:	Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.96793 / -120.00583			Accuracy:	specific area		
UTM:	Zone-10 N4095505 E766555			Elevation (ft):	360		
PLSS:	T11S, R18E, Sec. 16, SE (M)			Acres:	14.6		
Location:	0.5-0.9 MILE EAST OF SANTA FE RAILROAD TRACKS, ON BOTH SIDES OF AVENUE 15, EAST OF MADERA.						
Detailed Location:	POOLS ON THE SOUTH SIDE OF AVENUE 15 ARE IN BARLEY. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 16 AND THE N 1/4 OF THE NE 1/4 OF SECTION 21.						
Ecological:	REMNANT VERNAL POOLS ON CLAY SOIL, WITHIN REMNANT GRASSLAND. ASSOCIATED WITH DOWNINGIA, PHALARIS PARADOXA, ERYNGIUM VASEYI, LYTHRUM HYSSOPIFOLIA, AND PSILOCARPUS BREVISSUMUS.						
General:	POPULATION OF OVER 1000 PLANTS IN LESS THAN ONE HECTARE IN 1982. 3 PLANTS OBSERVED IN 1986. SITE QUALITY MARGINAL IN 1983 AND 1986. NO PLANTS FOUND IN 2010.						
Owner/Manager:	PVT						



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



Occurrence No.	22	Map Index:	14504	EO Index:	2300	Element Last Seen:	1986-05-21
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2010-08-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-06
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.88520 / -119.89480			Accuracy:	specific area		
UTM:	Zone-11 N4086051 E242014			Elevation (ft):	315		
PLSS:	T12S, R19E, Sec. 16, SE (M)			Acres:	7.3		
Location:	4.6 MILES EAST OF HIGHWAY 99 ON AVENUE 9 AT CORNER OF AVENUE 9 AND ROAD 36; 2.3 MI EAST OF GREGG RAILROAD STOP.						
Detailed Location:	MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 16. WETLAND FEATURE SEARCHED BY WITHAM IN 2010 IS ABOUT 0.2 MI SOUTH OF MAPPED FEATURE; UNKNOWN IF ORIGINAL MAPS ARE ERRONEOUS OR IF ORIGINAL WETLAND FEATURE HAS BEEN ELIMINATED.						
Ecological:	LARGE VERNAL POOL ON DRY CLAY IN VALLEY GRASSLAND. ASSOCIATED WITH DOWNINGIA, ERYNGIUM, BROMUS MOLLIS, B. DIANDRUS, AND AGOSERIS HETEROPHYLLA.						
General:	FEWER THAN 1000 PLANTS OBSERVED IN 1983. 150 PLANTS OBSERVED IN 1986. WINDSHIELD SURVEY IN 2010 SHOWS A HORSE PADDOCK WITH NO VEGETATION; POSSIBLY EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	14519	EO Index:	2301	Element Last Seen:	1986-08-10
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1986-08-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-04-25
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, SW (M)			Acres:	9.6		
Location:	VERNAL POOL NORTHEAST OF INTERSECTION OF AVENUE 8 AND ROAD 36, APPROXIMATELY 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. POSSIBLY EXTIRPATED ACCORDING TO WITHAM (2013); AERIAL PHOTOGRAPHY SHOWS VARIOUS PLOWING OVER THE YEARS, AND THE "POND" SIGNATURE SEEMS TO MOVE AROUND IN AERIALS.						
Owner/Manager:	PVT						



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



Occurrence No.	29	Map Index:	36530	EO Index:	2303	Element Last Seen:	1986-08-15
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2010-08-09
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2018-09-18
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, NW (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, PLAGIOBOTHRYIS STIPITATUS MICRANTHUS, ETC.						
General:	2 PLANTS OBSERVED IN 1986, NONE FOUND IN 1992. NO PLANTS FOUND DURING EXTENSIVE SURVEY IN 2010. QUESTIONABLE ID; PLANTS ID'D IN 1986 AS O. PILOSA, IN 1992 ID'D AS O. INAEQUALIS.						
Owner/Manager:	PVT						
Occurrence No.	45	Map Index:	37744	EO Index:	32752	Element Last Seen:	1995-09-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-08-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-05-29
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94359 / -119.79300			Accuracy:	80 meters		
UTM:	Zone-11 N4092260 E251277			Elevation (ft):	400		
PLSS:	T11S, R20E, Sec. 28, SE (M)			Acres:	0.0		
Location:	EAST SIDE OF HIGHWAY 41 ABOUT 1.4 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. HABITAT PRESENT, BUT NO PLANTS FOUND IN 2010. LAND WAS PURCHASED TO PRESERVE AND ENHANCE VERNAL POOLS AS MITIGATION FOR THOSE IMPACTED BY THE REALIGNMENT OF HIGHWAY 41.						
Owner/Manager:	CALTRANS						



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



Occurrence No.	48	Map Index:	83415	EO Index:	84430	Element Last Seen:	2010-06-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-28
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, NE (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. CALTRANS IS IN THE PROCESS OF TRANSFERRING THIS PROPERTY TO DFG.						
Ecological:	LARGE DRY RESTORED SECTION OF VERNAL POOL SURROUNDED BY ANNUAL GRASSLAND. ASSOC W/ EPILOBIUM CLEISTOGAMUM, ORCUTTIA INAEQUALIS, PSILOCARPHUS BREVISSIMUS, LYTHRUM HYSSOPIFOLIA, AND ERYNGIUM SPINOSEPALUM (LIKELY INTERMEDIATE W/ E. CASTRENSE).						
General:	2 PLANTS SEEN IN 2010. NOT FOUND IN 2017; MAY HAVE BEEN OUT COMPETED BY DOMINANT NATIVE VERNAL POOL PLANTS. THIS IS A NATURAL POPULATION, BUT IN 2009 THE SITE UNDERWENT THE CREATION, RESTORATION, AND ENHANCEMENT OF VERNAL POOLS AND SWALES.						
Owner/Manager:	CALTRANS						

Occurrence No.	49	Map Index:	B0724	EO Index:	112592	Element Last Seen:	2017-06-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-15
Quad Summary:	Gregg (3611988), Madera (3612081)						
County Summary:	Madera						
Lat/Long:	36.95354 / -120.00161				Accuracy:	specific area	
UTM:	Zone-10 N4093920 E766981				Elevation (ft):	290	
PLSS:	T11S, R18E, Sec. 21, E (M)				Acres:	8.0	
Location:	ALONG BOTH SIDES OF BNSF RAILWAY BETWEEN AVE 15 AND COTTONWOOD CREEK, EAST OF MADERA.						
Detailed Location:	4 POLYGONS MAPPED ACCORDING TO 2016 HERMANSEN COORDINATES, 2016 DE GROOT COORDINATES, AND 2017 TOEWS COORDINATES, IN THE EAST 1/2 OF SECTION 21 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 27.						
Ecological:	DEPRESSIONAL FEATURES WITHIN CULTIVATED GRAIN FIELDS, VERNAL POOLS. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, TYPHA ANGUSTIFOLIA, DOWNINGIA BICORNUTA, SAGITTARIA LATIFOLIA, PLAGIOBOTHRYIS SP., ERYNGIUM VASEYI, POLYGONUM AVICULARE, ETC.						
General:	2016: 11 PLANTS SEEN IN 2ND N-MOST POLYGON, 5 PLANTS IN 2ND S-MOST POLYGON, ~11 PLANTS IN S-MOST POLYGON. >100,000 PLANTS ESTIMATED IN N-MOST POLYGON FROM A 2017 WINDSHIELD SURVEY.						
Owner/Manager:	PVT						



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



Occurrence No.	50	Map Index:	B2355	EO Index:	114280	Element Last Seen:	2010-09-30
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:		2010-09-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-02-15	
Quad Summary:	Gregg (3611988)						
County Summary:	Madera						
Lat/Long:	36.92986 / -119.98104				Accuracy:	1/10 mile	
UTM:	Zone-11 N4091244 E234482				Elevation (ft):	275	
PLSS:	T11S, R18E, Sec. 35, SW (M)				Acres:	18.0	
Location:	EAST OF MADERA, ALONG SANTA FE RR NORTH OF AVE 12.						
Detailed Location:	EXACT LOCATION UNKNOWN. LOCATION PRESUMED TO BE ALONG THE MAN-MADE SWALE IN THE NW 1/4 OF THE SW 1/4 OF SECTION 35 BY WITHAM, BASED ON LANDMARKS SHOWN IN THE 2010 WINCHELL PHOTOS.						
Ecological:	GROWING IN MAN-MADE SWALE/DRAINAGE FEATURE. SOILS: CRACKED LIGHT CLAY.						
General:	10,000+ PLANTS OBSERVED IN 2010. POSSIBLY EXTIRPATED DUE TO AGRICULTURAL ACTIVITY.						
Owner/Manager:	PVT						

Orcuttia inaequalis

Element Code: PMPOA4G060

San Joaquin Valley Orcutt grass

Listing Status: **Federal:** Threatened
State: Endangered
Other: Rare Plant Rank - 1B.1
Habitat: **General:** VERNAL POOLS.
Micro: 10-755 M.

CNDDB Element Ranks: **Global:** G1
State: S1

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 LANES 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						



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



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, SE (M)				Acres:	0.0	
Location:	NORTH OF COPPER AVE, ABOUT 0.5 MILE NORTHWEST OF JUNCTION OF COPPER AND ARMSTRONG AVENUE.						
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						
Occurrence No.	23	Map Index:	14577	EO Index:	22384	Element Last Seen:	1979-05-15
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2010-08-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-05-13
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, SW (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. 2010 WINDSHIELD SURVEY BY WITHAM CONFIRMS THAT THIS SITE IS ACTIVELY USED FOR WHEAT.						
Owner/Manager:	PVT						



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



Occurrence No.	41	Map Index:	89216	EO Index:	6232	Element Last Seen:	2017-06-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-19
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.97228 / -119.83084				Accuracy:	specific area	
UTM:	Zone-11 N4095543 E248003				Elevation (ft):	390	
PLSS:	T11S, R20E, Sec. 18 (M)				Acres:	19.0	
Location:	NORTH OF AVENUE 15 AND ON BOTH SIDES OF ROAD 39 1/2, NORTHEAST OF MADERA RANCHOS.						
Detailed Location:	5 POLYGONS MAPPED WITHIN THE SW 1/4 OF SECTION 18 AND IN THE CENTER OF THE EAST 1/2 OF SECTION 18 ACCORDING TO A 1986 STEBBINS MAP, 1995 STEBBINS MAP, 2013 WITHAM DIGITAL DATA, 2016 JONES COORDINATES, AND 2017 TOEWS COORDINATES.						
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:	POPULATION NUMBERS FOR PARTS OF OCCURRENCE: 200 PLANTS SEEN IN 1982, 100+ PLANTS SEEN IN 1983, 400 PLANTS IN 1986, ~1100 PLANTS IN 1995, 65 PLANTS IN 2010, 500+ IN 2016, 8 IN 2017. INCLUDES FORMER OCCURRENCE #65.						
Owner/Manager:	PVT						

Occurrence No.	43	Map Index:	36547	EO Index:	2302	Element Last Seen:	2017-06-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2018-11-26
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94824 / -119.79345				Accuracy:	specific area	
UTM:	Zone-11 N4092778 E251254				Elevation (ft):	400	
PLSS:	T11S, R20E, Sec. 28 (M)				Acres:	14.0	
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:	MAPPED AS 8 POLYGONS. A 1973 COLLECTION FROM "8 MI N OF PINEDALE ON HWY 41" ATTRIBUTED HERE. 2 POOLS "RESTORED/ENHANCED." INCLUDES FORMER OCCURRENCE #52.						
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:	POP #S FOR PARTS OF EO. W SIDE OF HWY: >1000 PLANTS IN 1986, >10,000 PLANTS IN 1992, NONE IN 2009 (DROUGHT?), 3000 IN 2010, DISKED IN 2011 (UNK IF PLANTS SEEN), 2000 IN 2016. E SIDE OF HWY: ~100 PLANTS IN 1995, ~350 IN 2010, 100+ IN 2017.						
Owner/Manager:	PVT, CALTRANS						



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



Occurrence No.	45	Map Index:	89220	EO Index:	9516	Element Last Seen:	2010-08-09
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2011-10-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-12
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.93285 / -119.85688			Accuracy:	specific area		
UTM:	Zone-11 N4091237 E245552			Elevation (ft):	350		
PLSS:	T11S, R19E, Sec. 36, NW (M)			Acres:	5.0		
Location:	EAST OF MADERA RANCHOS SUBDIVISION, JUST NORTH OF MADERA CANAL, MADERA.						
Detailed Location:	UNDER PG&E POWER LINES. 2 SITES MAPPED BY CNDDDB AS A SINGLE POLYGON ACCORDING TO 2013 WITHAM DIGITAL DATA. WITHIN THE SW 1/4 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:	~1000 PLANTS IN 1983, 60 IN 1986, NONE IN 1987, 3000 IN 1991, NONE IN 2009 (DROUGHT), ~800 IN 2010. SITE DISKED BY 3 MACHINES IN 2011; CONSIDERED POSSIBLY EXTIRPATED BY WITHAM. BASED ON 2016 AERIAL IMAGERY; SITE HAS BEEN EXTIRPATED BY AG.						
Owner/Manager:	PVT						

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, NE (M)			Acres:	0.0		
Location:	0.9 MILE NORTH OF AVENUE 12, 0.1 MILE EAST OF HIGHWAY 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						



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



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, SW (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, CASTILLEJA CAMPESTRIS SUCCULENTA, LYTHRUM HYSSOPIFOLIUM, AND PSILOCARPHUS BREVISSIMUS. PROBABLE FAIRY SHRIMP SITE AND EXCELLENT AMPHIBIAN HABITAT.						
General:	300 PLANTS IN 1996.						
Owner/Manager:	PVT						

Occurrence No.	66	Map Index:	A6808	EO Index:	108578	Element Last Seen:	2017-06-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-19
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.98669 / -119.82453				Accuracy:	80 meters	
UTM:	Zone-11 N4097126 E248612				Elevation (ft):	410	
PLSS:	T11S, R20E, Sec. 7, SE (M)				Acres:	5.0	
Location:	FENSTON RANCH; APPROXIMATELY 1.4 AIR MILES NNE OF THE INTERSECTION OF AVE 15 AND ROAD 39 1/2.						
Detailed Location:	MAPPED ACCORDING TO 2017 NUNES COORDINATES, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 7.						
Ecological:	LARGE VERNAL POOL, WITH A LARGE POPULATION GROWING WITHIN THE VERNAL POOL. GROWING ON WHITNEY SANDY LOAM IN THE CENTER OF VERNAL POOL. ASSOCIATED WITH ERYNGIUM, PSILOCARPHUS BREVISSIMUS, PLAGIOBOTHRYIS SP., AND CRYPIS SCHOENOIDES.						
General:	ABOUT 500 PLANTS OBSERVED IN 2017						
Owner/Manager:	PVT						



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



Occurrence No.	68	Map Index:	B1458	EO Index:	113365	Element Last Seen:	2017-06-21
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	2017-06-21	Record Last Updated:	2018-11-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Lanes Bridge (3611987)						
County Summary:	Madera						
Lat/Long:	36.94385 / -119.78149			Accuracy:	80 meters		
UTM:	Zone-11 N4092259 E252305			Elevation (ft):	410		
PLSS:	T11S, R20E, Sec. 27, SW (M)			Acres:	5.0		
Location:	ABOUT 1.6 AIR MILES NNE OF THE INTERSECTION OF HIGHWAY 41 AND AVENUE 12, WEST OF THE SAN JOAQUIN RIVER.						
Detailed Location:	MAPPED ACCORDING TO 2017 DELONG COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 27.						
Ecological:	LARGE, DEEP VERNAL POOL. POOL HAS BEEN HEAVILY GRAZED AND TRAMPLED. OTHER DOMINANT SPECIES INCLUDE PILULARIA AMERICANA, PSILOCARPUS BREVISSIMUS. CO-OCCURS WITH CASTILLEJA CAMPESTRIS SSP. SUCCULENTA, THOUGH NOT DURING SAME SEASON.						
General:	12 INDIVIDUALS OBSERVED IN 2017. MOST INDIVIDUALS SHOW SIGNS OF HERBIVORY.						
Owner/Manager:	PVT						



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



Puccinellia simplex

Element Code: PMPOA53110

California alkali grass

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3

State: None

State: S2

Other: Rare Plant Rank - 1B.2

Habitat: **General:** MEADOWS AND SEEPS, CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLANDS, VERNAL POOLS.

Micro: ALKALINE, VERNALLY MESIC. SINKS, FLATS, AND LAKE MARGINS. 1-915 M.

Occurrence No. 19 **Map Index:** 14249 **EO Index:** 100170 **Element Last Seen:** 1963-05-06

Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1963-05-06

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-01-22

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.65398 / -120.06106

Accuracy: nonspecific area

UTM: Zone-10 N4060512 E762708

Elevation (ft): 200

PLSS: T15S, R17E, Sec. 01, E (M)

Acres: 69.0

Location: 4.8 MILES SOUTH OF KERMAN, MADERA ROAD.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG MADERA AVE AROUND 4.8 ROAD MILES SOUTH OF KERMAN.

Ecological: SANDY ALKALINE FLAT, VALLEY GRASSLAND.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1963 CRAMPTON COLLECTION. THERE DOES NOT APPEAR TO BE ANY REMAINING NATURAL HABITAT IN THIS AREA BASED ON 2015 AERIAL PHOTOS; PRESUMED EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No. 20 **Map Index:** 98707 **EO Index:** 100171 **Element Last Seen:** 1936-04-XX

Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 1936-04-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-01-22

Quad Summary: Kerman (3612061)

County Summary: Fresno

Lat/Long: 36.72641 / -120.06028

Accuracy: 1 mile

UTM: Zone-10 N4068553 E762532

Elevation (ft): 220

PLSS: T14S, R17E, Sec. 12 (M)

Acres: 1987.0

Location: KERMAN.

Detailed Location: EXACT LOCATION UNKNOWN, MAPPED IN GENERAL VICINITY OF KERMAN.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1936 HOOVER COLLECTION CITED IN HIS 1937 DISSERTATION. ANY REMAINING NATURAL HABITAT IN THIS AREA SHOULD BE SEARCHED.

Owner/Manager: UNKNOWN

Tuctoria greenei

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

Habitat: **General:** VERNAL POOLS.

Micro: VERNAL POOLS IN OPEN GRASSLANDS. 25-1325 M.



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



Occurrence No.	16	Map Index:	15132	EO Index:	22349	Element Last Seen:	1936-06-04
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:	Round Mountain (3611975)						
County Summary:	Fresno						
Lat/Long:	36.76438 / -119.55597				Accuracy:	1/5 mile	
UTM:	Zone-11 N4071781 E271858				Elevation (ft):	390	
PLSS:	T13S, R22E, Sec. 34, NE (M)				Acres:	0.0	
Location:	4 MILES NORTH OF SANGER.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB AT FAIRVIEW.						
Ecological:							
General:	SITE KNOWN ONLY FROM 1936 COLLECTION BY HOOVER. POPULATION EXTIRPATED PER GRIGGS 1983, AND PER STEBBINS (BIOSYSTEMS ANALYSIS, 1988).						
Owner/Manager:	PVT						

Occurrence No.	17	Map Index:	15131	EO Index:	22351	Element Last Seen:	1954-05-10
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1987-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-04-22
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, SE (M)				Acres:	0.0	
Location:	3 MILES NORTH OF SANGER.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB NEAR INTERSECTION OF BELMONT ROAD AND ACADEMY AVENUE.						
Ecological:	BED OF DRIED POOL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1954 COLLECTION BY HOWELL AND BARNEBY. AREA SURVEYED BY STEBBINS IN 1987, NO PLANTS FOUND; HABITAT ELIMINATED, SITE EXTIRPATED.						
Owner/Manager:	UNKNOWN						



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



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, SE (M)				Acres:	0.0	
Location:	5 MILES NORTHEAST OF CLOVIS.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED IN THE VICINITY OF TOLLHOUSE ROAD AND NEES AVENUE.						
Ecological:							
General:	SITE KNOWN FROM 1937 COLLECTION BY HOOVER. AREA SEARCHED IN 1981 AND 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						



*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

28 matches found. [Click on scientific name for details](#)

Search Criteria

Found in Quads 3711917, 3711916, 3612081, 3611988, 3611987, 3611986, 3612071, 3611978, 3611977, 3611976, 3611975, 3612061, 3611968, 3611967, 3611966, 3611965, 3611958 3611957 and 3611956;

[Modify Search Criteria](#) [Export to Excel](#) [Modify Columns](#) [Modify Sort](#) [Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Atriplex cordulata var. cordulata	heartscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G3T2
Atriplex minuscula	lesser saltscale	Chenopodiaceae	annual herb	May-Oct	1B.1	S2	G2
Atriplex persistens	vernal pool smallscale	Chenopodiaceae	annual herb	Jun,Aug,Sep,Oct	1B.2	S2	G2
Bryum chryseum	brassy bryum	Bryaceae	moss		4.3	S3	G5
Calycadenia hooveri	Hoover's calycadenia	Asteraceae	annual herb	Jul-Sep	1B.3	S2	G2
Castilleja campestris var. succulenta	succulent owl's-clover	Orobanchaceae	annual herb (hemiparasitic)	(Mar)Apr-May	1B.2	S2S3	G4? T2T3
Caulanthus californicus	California jewelflower	Brassicaceae	annual herb	Feb-May	1B.1	S1	G1
Chloropyron palmatum	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May-Oct	1B.1	S1	G1
Cryptantha hooveri	Hoover's cryptantha	Boraginaceae	annual herb	Apr-May	1A	SH	GH
Delphinium hansenii ssp. ewaniamum	Ewan's larkspur	Ranunculaceae	perennial herb	Mar-May	4.2	S3	G4T3
Delphinium recurvatum	recurved larkspur	Ranunculaceae	perennial herb	Mar-Jun	1B.2	S2?	G2?
Downingia pusilla	dwarf downingia	Campanulaceae	annual herb	Mar-May	2B.2	S2	GU
Eriastrum hooveri	Hoover's eriastrum	Polemoniaceae	annual herb	(Feb)Mar-Jul	4.2	S3	G3
Eriogonum nortonii	Pinnacles buckwheat	Polygonaceae	annual herb	(Apr)May-Aug(Sep)	1B.3	S2	G2
Eryngium spinosepalum	spiny-sepaed button-celery	Apiaceae	annual / perennial herb	Apr-Jun	1B.2	S2	G2
Imperata brevifolia	California satintail	Poaceae	perennial rhizomatous herb	Sep-May	2B.1	S3	G4
Lagophylla dichotoma	forked hare-leaf	Asteraceae	annual herb	Apr-May	1B.1	S2	G2

<u>Leptosiphon serrulatus</u>	Madera leptosiphon	Polemoniaceae	annual herb	Apr-May	1B.2	S3	G3
<u>Lupinus citrinus var. citrinus</u>	orange lupine	Fabaceae	annual herb	Apr-Jul	1B.2	S2	G2T2
<u>Mielichhoferia shevockii</u>	Shevock's copper moss	Mielichhoferiaceae	moss		1B.2	S2	G2
<u>Orcuttia inaequalis</u>	San Joaquin Valley Orcutt grass	Poaceae	annual herb	Apr-Sep	1B.1	S1	G1
<u>Orcuttia pilosa</u>	hairy Orcutt grass	Poaceae	annual herb	May-Sep	1B.1	S1	G1
<u>Pseudobahia bahiifolia</u>	Hartweg's golden sunburst	Asteraceae	annual herb	Mar-Apr	1B.1	S2	G2
<u>Pseudobahia peirsonii</u>	San Joaquin adobe sunburst	Asteraceae	annual herb	Feb-Apr	1B.1	S1	G1
<u>Puccinellia simplex</u>	California alkali grass	Poaceae	annual herb	Mar-May	1B.2	S2	G3
<u>Sagittaria sanfordii</u>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	1B.2	S3	G3
<u>Tropidocarpum capparideum</u>	caper-fruited tropidocarpum	Brassicaceae	annual herb	Mar-Apr	1B.1	S1	G1
<u>Tuctoria greenei</u>	Greene's tuctoria	Poaceae	annual herb	May-Jul(Sep)	1B.1	S1	G1

Suggested Citation

California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 11 September 2019].

Search the Inventory

[Simple Search](#)

[Advanced Search](#)

[Glossary](#)

Information

[About the Inventory](#)

[About the Rare Plant Program](#)

[CNPS Home Page](#)

[About CNPS](#)

[Join CNPS](#)

Contributors

[The Calflora Database](#)

[The California Lichen Society](#)

[California Natural Diversity Database](#)

[The Jepson Flora Project](#)

[The Consortium of California Herbaria](#)

[CalPhotos](#)

Questions and Comments

rareplants@cnps.org

This page intentionally left blank