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**California Department of Fish and Wildlife**  
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**Query Criteria:** Taxonomic Group IS (Fish OR Amphibians OR Reptiles OR Birds OR Mammals OR Mollusks OR Arachnids OR Crustaceans OR Insects)  
 AND Quad IS (Chinese Camp (3712074) OR Cooperstown (3712065) OR Keystone (3712075) OR La Grange (3712064) OR Merced Falls (3712053) OR Moccasin (3712073) OR Penon Blanco Peak (3712063) OR Snelling (3712054) OR Turlock Lake (3712055))

<b>Ambystoma californiense</b>		<b>Element Code:</b> AAAAA01180	
California tiger salamander			
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2G3
	<b>State:</b> Threatened		<b>State:</b> S2S3
	<b>Other:</b> CDFW_WL-Watch List, IUCN_VU-Vulnerable		
<b>Habitat:</b>	<b>General:</b> CENTRAL VALLEY DPS FEDERALLY LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS FEDERALLY LISTED AS ENDANGERED.		
	<b>Micro:</b> NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS, & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING.		

<b>Occurrence No.</b>	18	<b>Map Index:</b>	13136	<b>EO Index:</b>	28434	<b>Element Last Seen:</b>	1973-03-26
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>		1973-03-26	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2009-06-17	

**Quad Summary:** Turlock Lake (3712055)  
**County Summary:** Merced, Stanislaus

<b>Lat/Long:</b>	37.55094 / -120.60495	<b>Accuracy:</b>	1/5 mile
<b>UTM:</b>	Zone-10 N4158689 E711570	<b>Elevation (ft):</b>	270
<b>PLSS:</b>	T04S, R12E, Sec. 25, SW (M)	<b>Acres:</b>	0.0

**Location:** 0.3 MI W OF MERCED COUNTY LINE ON E. KEYES RD.  
**Detailed Location:**  
**Ecological:** 2008 AERIAL PHOTO SHOWS THAT THIS OCCURRENCE AND THE SURROUNDING AREA HAS BEEN CONVERTED TO AGRICULTURE.  
**General:** J. BRODE FIELD NOTES #163 AND 172.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	19	<b>Map Index:</b>	13410	<b>EO Index:</b>	28430	<b>Element Last Seen:</b>	1986-03-26
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1986-03-26	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1998-03-17	

**Quad Summary:** La Grange (3712064)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.64586 / -120.45629	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4169567 E724419	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T03S, R14E, Sec. 29, NW (M)	<b>Acres:</b>	0.0

**Location:** CARDOZA LAKE, EAST SIDE OF HWY J-59, ABOUT 1.25 MILES SOUTH OF LA GRANGE.  
**Detailed Location:**  
**Ecological:**  
**General:** J. BRODE FIELD NOTE #169 COLLECTED 26 MAR 1973. CAS #187402 (1 ADULT) COLLECTED 22 MAR 1986 BY J. BOUNDY & A.W. FORD.  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	20	<b>Map Index:</b> 13394	<b>EO Index:</b> 28429	<b>Element Last Seen:</b> 1973-03-26
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1973-03-26
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2009-06-17

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced, Stanislaus

<b>Lat/Long:</b>	37.60881 / -120.46131	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4165444 E724087	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 05, SW (M)	<b>Acres:</b>	0.0

**Location:** 4.0 MI S LA GRANGE, W OF HWY J59.

**Detailed Location:**

**Ecological:** POND. 2008 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL NATURAL HABITAT.

**General:** STORER 1925, J. BRODE FIELD NOTES #142, 164, & 168. MVZ 206878 & 206880 COLLECTED 14 MAR 1923 BY TRACY I. STORER.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	84	<b>Map Index:</b> 13383	<b>EO Index:</b> 28387	<b>Element Last Seen:</b> 1973-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1973-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2009-06-17

**Quad Summary:** La Grange (3712064)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.64602 / -120.49371	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4169496 E721116	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T03S, R13E, Sec. 25, NW (M)	<b>Acres:</b>	0.0

**Location:** LA GRANGE REGIONAL PARK. NEAR BASSO BRIDGE ON THE TUOLUMNE RIVER.

**Detailed Location:**

**Ecological:** SALAMANDER POPULATIONS IN EASTERN STANISLAUS COUNTY ARE DECLINING ACCORDING TO BRODE & BASEY. 2008 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL MOSTLY NATURAL HABITAT WITH SOME AGRICULTURE ON THE SE BORDER OF THE PARK.

**General:** UNKNOWN NUMBER FOUND AT THE PARK SITE.

**Owner/Manager:** STA COUNTY



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<b>Occurrence No.</b>	315	<b>Map Index:</b> 33065	<b>EO Index:</b> 3699	<b>Element Last Seen:</b>	2001-04-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-04-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-07-18
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.56451 / -120.39177		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4160696 E730363		<b>Elevation (ft):</b>	350	
<b>PLSS:</b>	T04S, R14E, Sec. 26, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	SOUTH SIDE OF FIELDS ROAD, 1.8 MILES EAST OF COUNTY ROAD J-59, ABOUT 4 MILES NE OF SNELLING.				
<b>Detailed Location:</b>	POOL ID: RIC06.2. LOCATION MAPPED IN THE NE 1/4 OF THE NE 1/4 SECTION 26. MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL. MUCH OF THE HABITAT IN THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS RELATIVELY UNDISTURBED AND UNFRAGMENTED.				
<b>General:</b>	COLLECTION #MW-94-26, DEPOSITED AT DFG-IFD, AND #MW-94-27, DEPOSITED AT UCD. CAS #199417 (LARVA) COLLECTED ON 5 APR 1994. UNKNOWN NUMBER OBSERVED DURING APRIL 2001.				
<b>Owner/Manager:</b>	PVT-RICHARDS RANCH				
<b>Occurrence No.</b>	316	<b>Map Index:</b> 33066	<b>EO Index:</b> 3703	<b>Element Last Seen:</b>	1994-04-06
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1994-04-06
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2001-09-10
<b>Quad Summary:</b>	Cooperstown (3712065)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.73202 / -120.60802		<b>Accuracy:</b>	1/5 mile	
<b>UTM:</b>	Zone-10 N4178776 E710787		<b>Elevation (ft):</b>	225	
<b>PLSS:</b>	T02S, R12E, Sec. 25, NW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	SOUTH SIDE OF WARNERVILLE ROAD, 0.75 MILE WEST OF CRABTREE ROAD, ABOUT 8 MILES SOUTH OF KNIGHTS FERRY.				
<b>Detailed Location:</b>					
<b>Ecological:</b>					
<b>General:</b>	COLLECTION #MW-94-31 & #RS-94-13, (CAS #199419 & #199426), & #RS-94-14, DEPOSITED AT UCD.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	317	<b>Map Index:</b> 33067	<b>EO Index:</b> 3700	<b>Element Last Seen:</b>	1994-04-06
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1994-04-06
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1995-03-28
<b>Quad Summary:</b>	Cooperstown (3712065)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.73763 / -120.57950		<b>Accuracy:</b>	1/5 mile	
<b>UTM:</b>	Zone-10 N4179463 E713284		<b>Elevation (ft):</b>	245	
<b>PLSS:</b>	T02S, R13E, Sec. 30, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	NORTH SIDE OF COOPERSTOWN ROAD, 0.6 MILE EAST OF WILLIAMS ROAD, ABOUT 8 MILES SE OF KNIGHTS FERRY.				
<b>Detailed Location:</b>					
<b>Ecological:</b>	SCAPHIOPUS HAMMONDI ALSO FOUND HERE.				
<b>General:</b>	COLLECTION #RS-94-15, (CAS #199427).				
<b>Owner/Manager:</b>	UNKNOWN				



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<b>Occurrence No.</b>	331	<b>Map Index:</b> 96014	<b>EO Index:</b> 2685	<b>Element Last Seen:</b>	2003-11-08
<b>Occ. Rank:</b>	Poor		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2003-11-08
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2015-05-11
<b>Quad Summary:</b>	Turlock Lake (3712055), Montpelier (3712056)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.60792 / -120.63374		<b>Accuracy:</b>	nonspecific area	
<b>UTM:</b>	Zone-10 N4164947 E708867		<b>Elevation (ft):</b>	195	
<b>PLSS:</b>	T04S, R12E, Sec. 10, E (M)		<b>Acres:</b>	864.0	
<b>Location:</b>	VICINITY OF LAKE ROAD AT HAWKINS ROAD TO HICKMAN VERNAL POOL TO THE SE; W OF TURLOCK LAKE.				
<b>Detailed Location:</b>	1973 OBSERVATIONS (BRODE #161 & 162) AT NORTHERN "LARGE POND IN GRAIN FIELD," AND (BRODE #174) ALONG "LAKE RD, 0.2 MI W JCT W/ HAWKINS RD." 1975 & 1991 OBSERVATIONS MADE IN LARGEST POOL, HICKMAN VERNAL POOL.				
<b>Ecological:</b>	CLAYPAN VERNAL POOL SURROUNDED BY NATIVE GRASSES WHILE INTRODUCED WEEDS HAVE INVADDED THE LARGEST POOL CENTER. SURROUNDED BY VINEYARDS, RICE FIELDS, ALMOND ORCHARDS & PLANT NURSERIES.				
<b>General:</b>	DETECTED IN AREA IN 1973, ONE COLLECTED. 1975: UNKNOWN NUMBER OBSERVED. SHAFFER SITE #275, UNKNOWN NUMBER OBSERVED 1991. 2 INDIVIDUALS OBSERVED ON LAKE ROAD ON 8 NOV 2003; PROBABLY MIGRATING TO OR FROM VERNAL POOL.				
<b>Owner/Manager:</b>	PVT-ROBINSON RANCH				
<b>Occurrence No.</b>	420	<b>Map Index:</b> 38393	<b>EO Index:</b> 33400	<b>Element Last Seen:</b>	1973-02-13
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1973-02-13
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2009-06-17
<b>Quad Summary:</b>	Snelling (3712054), La Grange (3712064)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.62975 / -120.45355		<b>Accuracy:</b>	3/5 mile	
<b>UTM:</b>	Zone-10 N4167786 E724709		<b>Elevation (ft):</b>	400	
<b>PLSS:</b>	T03S, R14E, Sec. 32 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	ABOUT 2 MILES SOUTH OF LA GRANGE.				
<b>Detailed Location:</b>					
<b>Ecological:</b>	2008 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL NATURAL HABITAT.				
<b>General:</b>	JOHN BRODE FIELD NOTE #165.				
<b>Owner/Manager:</b>	UNKNOWN				



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<b>Occurrence No.</b>	421	<b>Map Index:</b> 38394	<b>EO Index:</b> 33401	<b>Element Last Seen:</b>	1973-02-13
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1973-02-13
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2009-06-18

**Quad Summary:** La Grange (3712064)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.65895 / -120.45510	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4171023 E724485	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T03S, R14E, Sec. 20 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 0.5 MILE EAST OF LA GRANGE.

**Detailed Location:**

**Ecological:** 2008 AERIAL PHOTO SHOWS THAT THIS AREA IS STILL MOSTLY NATURAL HABITAT WITH ONLY LIGHT DISTURBANCES. HOWEVER, DEVELOPMENT AND AGRICULTURE ARE CLOSING IN FROM THE WEST AND NORTHWEST.

**General:** JOHN BRODE FIELD NOTE #166.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	607	<b>Map Index:</b> 46412	<b>EO Index:</b> 46412	<b>Element Last Seen:</b>	1988-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1988-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2008-11-25

**Quad Summary:** Turlock Lake (3712055)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.59497 / -120.53104	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4163744 E717972	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T04S, R13E, Sec. 10 (M)	<b>Acres:</b>	127.8

**Location:** ALONG LOS CERRITOS ROAD, ON THE EAST SIDE OF TURLOCK LAKE.

**Detailed Location:**

**Ecological:**

**General:** DURING A 1973 TO 1988 FOOD HABITS STUDY MANY AOR AND DOR SALAMANDERS WERE OBSERVED.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	618	<b>Map Index:</b> 46502	<b>EO Index:</b> 46502	<b>Element Last Seen:</b>	1988-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1988-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2001-11-13

**Quad Summary:** Turlock Lake (3712055), Cooperstown (3712065)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.63219 / -120.61803	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4167675 E710186	<b>Elevation (ft):</b>	150
<b>PLSS:</b>	T03S, R12E, Sec. 35 (M)	<b>Acres:</b>	71.4

**Location:** ALONG ROBERTS FERRY ROAD. SOUTH OF HWY 132, BETWEEN MODESTO RESERVOIR & TURLOCK LAKE.

**Detailed Location:**

**Ecological:**

**General:** MULTIPLE SIGHTINGS DURING A 1973-1988 FOOD HABITS STUDY. MANY SALAMANDERS DOR. SOME AOR.

**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	908	<b>Map Index:</b> 68051	<b>EO Index:</b> 68203	<b>Element Last Seen:</b>	2001-04-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-04-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-07
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.54575 / -120.34982		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4158718 E734128		<b>Elevation (ft):</b>	420	
<b>PLSS:</b>	T04S, R15E, Sec. 32, NW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	APPROXIMATELY 0.2 MILE NORTHEAST OF KELSEY RESERVOIR AND WEST OF UNIMPROVED DIRT ROAD, NORTH OF THE MERCED RIVER.				
<b>Detailed Location:</b>	SITE KEL24.3. THE LOCATION IS MAPPED IN THE SW 1/4 OF THE NW 1/4 SECTION 32. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL. MUCH OF THE HABITAT IN THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS RELATIVELY UNDISTURBED AND UNFRAGMENTED.				
<b>General:</b>	UNKNOWN NUMBER OBSERVED DURING APRIL 2001. DUE TO THE AMOUNT OF HIGH-QUALITY HABITAT, THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS IMPORTANT FOR THE CONSERVATION OF THIS SPECIES.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	982	<b>Map Index:</b> 69531	<b>EO Index:</b> 70309	<b>Element Last Seen:</b>	2007-05-15
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2007-05-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-13
<b>Quad Summary:</b>	La Grange (3712064)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.68718 / -120.38583		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4174324 E730508		<b>Elevation (ft):</b>	1004	
<b>PLSS:</b>	T03S, R14E, Sec. 12, SW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	ALONG BIG CREEK, BETWEEN MCNULTY RIDGE AND BONDS FLAT ROAD, SOUTH OF DON PEDRO RESERVOIR.				
<b>Detailed Location:</b>					
<b>Ecological:</b>	HABITAT CONSISTS OF A STOCKPOND SURROUNDED BY GRAZED FOOTHILL GRASSLAND.				
<b>General:</b>	3 LARVAE OBSERVED ON 15 MAY 2007.				
<b>Owner/Manager:</b>	PVT				



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<b>Occurrence No.</b>	1034	<b>Map Index:</b>	72262	<b>EO Index:</b>	73214	<b>Element Last Seen:</b>	2007-08-13
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2007-08-13	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2008-09-12	
<b>Quad Summary:</b>	Merced Falls (3712053)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.51844 / -120.31954			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-10 N4155763 E736889			<b>Elevation (ft):</b>	400		
<b>PLSS:</b>	T05S, R15E, Sec. 10, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 0.5 MI SE OF MERCED FALLS DIVERSION DAM & 0.5 MI NORTH OF TABLE TOP MTN, JUST WEST OF MERCED/MARIPOSA COUNTY LINE.						
<b>Detailed Location:</b>							
<b>Ecological:</b>	DEEP VERNAL POOL, POSSIBLY ANTHROPOGENIC IN ORIGIN. SE ASPECT & 10% SLOPE. DOMINATED BY CRYPISIS VAGINIFLORA. SURROUNDING AREA IS GRAZED GRASSLAND & RESIDENTIAL.						
<b>General:</b>	1 DESICCATED JUVENILE FOUND 13 AUG 2007.						
<b>Owner/Manager:</b>	PVT						

<b><i>Spea hammondii</i></b>	<b>Element Code:</b> AAABF02020
western spadefoot	
<b>Listing Status:</b> <b>Federal:</b> None	<b>CNDDDB Element Ranks: Global:</b> G3
<b>State:</b> None	<b>State:</b> S3
<b>Other:</b> BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	
<b>Habitat: General:</b> OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.	
<b>Micro:</b> VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.	

<b>Occurrence No.</b>	19	<b>Map Index:</b>	20946	<b>EO Index:</b>	9399	<b>Element Last Seen:</b>	1992-02-14
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1992-02-14	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1992-04-07	
<b>Quad Summary:</b>	Cooperstown (3712065)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.67937 / -120.60240			<b>Accuracy:</b>	1/5 mile		
<b>UTM:</b>	Zone-10 N4172946 E711431			<b>Elevation (ft):</b>	375		
<b>PLSS:</b>	T03S, R12E, Sec. 13, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	CRABTREE ROAD, 2.6 MI NORTH OF HWY 132, 4 MI NORTH OF TURLOCK LAKE.						
<b>Detailed Location:</b>							
<b>Ecological:</b>							
<b>General:</b>	TWO OBSERVED ON CRABTREE ROAD, 9:00-9:30PM DURING AN INTERMITTENT RAIN STORM.						
<b>Owner/Manager:</b>	UNKNOWN						





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<b>Occurrence No.</b>	20	<b>Map Index:</b> 20947	<b>EO Index:</b> 9398	<b>Element Last Seen:</b>	1992-02-14
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1992-02-14
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1992-04-07
<b>Quad Summary:</b>	Cooperstown (3712065)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.65651 / -120.60642		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4170400 E711141		<b>Elevation (ft):</b>	230	
<b>PLSS:</b>	T03S, R12E, Sec. 24, SW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	CRABTREE ROAD, 0.8 MI NORTH OF HWY 132, NORTH OF TURLOCK LAKE.				
<b>Detailed Location:</b>					
<b>Ecological:</b>					
<b>General:</b>	ONE SPADEFOOT TOAD OBSERVED, 9:00-9:30PM DURING INTERMITTENT RAIN.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	21	<b>Map Index:</b> 20948	<b>EO Index:</b> 9396	<b>Element Last Seen:</b>	1992-02-14
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1992-02-14
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1992-04-07
<b>Quad Summary:</b>	Cooperstown (3712065)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.65081 / -120.61177		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4169756 E710686		<b>Elevation (ft):</b>	230	
<b>PLSS:</b>	T03S, R12E, Sec. 26, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	CRABTREE ROAD, 0.3 MI NORTH OF HWY 132, NORTH OF TURLOCK LAKE.				
<b>Detailed Location:</b>					
<b>Ecological:</b>					
<b>General:</b>	ONE SPADEFOOT TOAD OBSERVED, 9:00-9:30PM DURING INTERMITTENT RAIN.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	42	<b>Map Index:</b> 33067	<b>EO Index:</b> 3698	<b>Element Last Seen:</b>	1994-04-06
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1994-04-06
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1995-03-28
<b>Quad Summary:</b>	Cooperstown (3712065)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.73763 / -120.57950		<b>Accuracy:</b>	1/5 mile	
<b>UTM:</b>	Zone-10 N4179463 E713284		<b>Elevation (ft):</b>	245	
<b>PLSS:</b>	T02S, R13E, Sec. 30, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	NORTH SIDE OF COOPERSTOWN ROAD, 0.6 MILE EAST OF WILLIAMS ROAD, ABOUT 8 MILES SE OF KNIGHTS FERRY.				
<b>Detailed Location:</b>					
<b>Ecological:</b>	AMBYSTOMA CALIFORNIENSE ALSO FOUND AT THIS SITE.				
<b>General:</b>	COLLECTION #MW-94-32, DEPOSITED AT DFG-IFD.				
<b>Owner/Manager:</b>	UNKNOWN				





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<b>Occurrence No.</b>	53	<b>Map Index:</b> 31446	<b>EO Index:</b> 2686	<b>Element Last Seen:</b>	1975-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1975-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2008-01-15

**Quad Summary:** Turlock Lake (3712055), Montpelier (3712056)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.60206 / -120.62764	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4164310 E709422	<b>Elevation (ft):</b>	195
<b>PLSS:</b>	T04S, R12E, Sec. 10, E (M)	<b>Acres:</b>	692.0

**Location:** HICKMAN VERNAL POOL; WSW OF TURLOCK LAKE; SOUTHEAST OF THE INTERSECTION BETWEEN LAKE ROAD & HAWKINS ROAD.

**Detailed Location:** OBSERVATION MADE IN LARGEST POOL, BUT DISTRIBUTION MAY EXTEND THROUGHOUT THE ENTIRE VERNAL POOL COMPLEX.

**Ecological:** CLAYPAN VERNAL POOL SURROUNDED BY NATIVE GRASSES WHILE INTRODUCED WEEDS HAVE INVADDED THE LARGEST POOL CENTER; SURROUNDED BY VINEYARDS, RICE FIELDS, ORCHARDS, AND PLANT NURSERIES.

**General:** POPULATIONS OF WESTERN SPADEFOOT TOAD AND TIGER SALAMANDER OBSERVED. ALSO RARE AND ENDANGERED PLANTS: NEOSTAPFIA COLUSANA, ORCUTTIA PILOSA & EUPHORBIA HOOVERI OBSERVED.

**Owner/Manager:** PVT-ROBINSON RANCH

<b>Occurrence No.</b>	306	<b>Map Index:</b> 59067	<b>EO Index:</b> 59103	<b>Element Last Seen:</b>	2003-11-08
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2003-11-08
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2005-01-03

**Quad Summary:** Turlock Lake (3712055)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.62337 / -120.61339	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4166708 E710620	<b>Elevation (ft):</b>	228
<b>PLSS:</b>	T04S, R12E, Sec. 02, NE (M)	<b>Acres:</b>	0.0

**Location:** ON LAKE ROAD, 0.1 MILE SE OF ROBERTS FERRY ROAD, 0.6 MILE WEST OF TURLOCK LAKE.

**Detailed Location:**

**Ecological:** HABITAT SURROUNDING LAKE ROAD CONSISTS OF ROLLING FOOTHILLS/OPEN GRAZING LAND WITH ANNUAL GRASSES.

**General:** 2 ADULTS FOUND ON THE ROADWAY DURING A RAINSTORM ON 8 NOV 2003.

**Owner/Manager:** STA COUNTY



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<b>Occurrence No.</b>	356	<b>Map Index:</b>	67895	<b>EO Index:</b>	68045	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-02-15	

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54921 / -120.33719	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159133 E735232	<b>Elevation (ft):</b>	417
<b>PLSS:</b>	T04S, R15E, Sec. 32, NE (M)	<b>Acres:</b>	0.0

**Location:** SOUTH OF THE SOUTH FORK DRY CREEK AND JUST WEST OF MERCED/MARIPOSA COUNTY LINE, 1 MILE NORTHEAST OF KELSEY RESERVOIR.

**Detailed Location:** POOL ID: KEL28.1. LOCATION MAPPED IN THE NE 1/4 OF THE NE 1/4 SECTION 32. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** UNKNOWN NUMBER OBSERVED DURING THE 2001 AMPHIBIAN SURVEYS. THE CONCENTRATIONS OF SPADEFOOTS IN THE SOUTHEASTERN PORTION OF MERCED COUNTY ARE CONSIDERED "UNIQUE AND IMPORTANT TO THE CONSERVATION OF THE SPECIES AS A WHOLE."

**Owner/Manager:** PVT-KELSEY RANCH

***Rana boylei***

**Element Code:** AAABH01050

foothill yellow-legged frog

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3
	<b>State:</b> None		<b>State:</b> S3

**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern, IUCN\_NT-Near Threatened, USFS\_S-Sensitive

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

<b>Occurrence No.</b>	23	<b>Map Index:</b>	13694	<b>EO Index:</b>	28457	<b>Element Last Seen:</b>	1970-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1970-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1989-08-10	

**Quad Summary:** Moccasin (3712073)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.77519 / -120.32464	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4184243 E735626	<b>Elevation (ft):</b>	1600
<b>PLSS:</b>	T02S, R15E, Sec. 09, SW (M)	<b>Acres:</b>	0.0

**Location:** HATCH LAKE.

**Detailed Location:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.

**Ecological:**

**General:** COLL. BTWN JULY & SEPT.

**Owner/Manager:** BLM, PVT



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<b>Occurrence No.</b>	24	<b>Map Index:</b> 13688	<b>EO Index:</b> 28456	<b>Element Last Seen:</b>	1970-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1970-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1989-08-10

**Quad Summary:** Penon Blanco Peak (3712063), Moccasin (3712073)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.75604 / -120.32315	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4182122 E735818	<b>Elevation (ft):</b>	1200
<b>PLSS:</b>	T02S, R15E, Sec. 16 (M)	<b>Acres:</b>	0.0

**Location:** SECOND LAKE.

**Detailed Location:** FOUND MOSTLY IN SMALL PERMANENT FOOTHILL STREAMS HIGHER THAN 200 M ELEV, IN AREAS NOT OCCUPIED BY BULLFROGS.

**Ecological:**

**General:** COLL BTWN JULY & SEPT.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	300	<b>Map Index:</b> 45425	<b>EO Index:</b> 45425	<b>Element Last Seen:</b>	2001-04-05
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-04-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2001-08-07

**Quad Summary:** Moccasin (3712073)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.77846 / -120.27247	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4184739 E740211	<b>Elevation (ft):</b>	1200
<b>PLSS:</b>	T02S, R15E, Sec. 12, NW (M)	<b>Acres:</b>	0.0

**Location:** NEAR THE CONFLUENCE OF BIG JACKASS CREEK AND MOCCASIN CREEK, SOUTH OF HIGHWAY 49, 4 MILES EAST OF DON PEDRO RESERVOIR.

**Detailed Location:**

**Ecological:** HABITAT CONSISTS OF CREEKS SURROUNDED BY RIPARIAN, DOMINATED BY WILLOWS AND ALDERS.

**General:** HISTORIC RECORD OF FYLF AT THIS SAME LOCATION IN 1978. 2 ADULTS AND 4 EGG MASSES OBSERVED ON 4 MAY 2001.

**Owner/Manager:** BLM



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<b><i>Pandion haliaetus</i></b>		<b>Element Code:</b> ABNKC01010	
osprey			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S4
	<b>Other:</b> CDF_S-Sensitive, CDFW_WL-Watch List, IUCN_LC-Least Concern		
<b>Habitat:</b>	<b>General:</b> OCEAN SHORE, BAYS, FRESH-WATER LAKES, AND LARGER STREAMS.		
	<b>Micro:</b> LARGE NESTS BUILT IN TREE-TOPS WITHIN 15 MILES OF A GOOD FISH-PRODUCING BODY OF WATER.		

<b>Occurrence No.</b>	416	<b>Map Index:</b>	68017	<b>EO Index:</b>	68172	<b>Element Last Seen:</b>	2001-05-01
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-05-01	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-02-01	
<b>Quad Summary:</b>	Snelling (3712054)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.51657 / -120.39448		<b>Accuracy:</b>	80 meters			
<b>UTM:</b>	Zone-10 N4155370 E730271		<b>Elevation (ft):</b>	280			
<b>PLSS:</b>	T05S, R14E, Sec. 11, NE (M)		<b>Acres:</b>	0.0			
<b>Location:</b>	ALONG THE MERCED RIVER, EAST OF HENDERSON PARK, 2.3 MILES WEST OF SNELLING.						
<b>Detailed Location:</b>	SITE ID: EMCB15.O. LOCATION MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 11. LOCATION MAPPED USING DIGITAL DATA.						
<b>Ecological:</b>	General: NEST OBSERVED ON 1 MAY 2001.						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Occurrence No.</b>	434	<b>Map Index:</b>	69788	<b>EO Index:</b>	70602	<b>Element Last Seen:</b>	2007-07-10
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2007-07-10	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-08-23	
<b>Quad Summary:</b>	Merced Falls (3712053)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.52578 / -120.33012		<b>Accuracy:</b>	80 meters			
<b>UTM:</b>	Zone-10 N4156551 E735931		<b>Elevation (ft):</b>	366			
<b>PLSS:</b>	T05S, R15E, Sec. 04, SW (M)		<b>Acres:</b>	0.0			
<b>Location:</b>	WEST SIDE OF MERCED FALLS ROAD, JUST NORTH OF THE INTERSECTION OF HORNITOS ROAD, NORTH OF MERCED FALLS DIVERSION DAM.						
<b>Detailed Location:</b>	NEST IS LOCATED ATOP A POWER POLE FOR A LINE THAT RUNS ALONG THE WEST SIDE OF MERCED FALLS ROAD. POWER POLE CLOSEST TO THE INTERSECTION OF HORNITOS ROAD AND MERCED FALLS ROAD HAS FEATURES INSTALLED TO PREVENT NESTING.						
<b>Ecological:</b>	HABITAT SURROUNDING NEST SITE CONSISTS OF OAK/GRASSLAND, WITH SOME EVIDENCE OF DREDGE TAILINGS AND SOME RIPARIAN.						
<b>General:</b>	ADULT WITH 2 NESTLINGS OBSERVED IN THE NEST ON 10 JUL 2007.						
<b>Owner/Manager:</b>	UNKNOWN						

<b><i>Haliaeetus leucocephalus</i></b>		<b>Element Code:</b> ABNKC10010	
bald eagle			
<b>Listing Status:</b>	<b>Federal:</b> Delisted	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> Endangered		<b>State:</b> S3
	<b>Other:</b> BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern		



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

<b>Occurrence No.</b>	228	<b>Map Index:</b>	43477	<b>EO Index:</b>	43477	<b>Element Last Seen:</b>	2007-05-22
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2007-05-22	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-08-27	

**Quad Summary:** Penon Blanco Peak (3712063)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.69666 / -120.36974	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4175415 E731898	<b>Elevation (ft):</b>	700
<b>PLSS:</b>	T03S, R15E, Sec. 06, SW (M)	<b>Acres:</b>	0.0

**Location:** SW END OF DON PEDRO RESERVOIR, NEAR BLANK PEAK.  
**Detailed Location:** NEST IS LOCATED IN A BULL PINE (PINUS SABINIANA) NEAR THE WATER'S EDGE.  
**Ecological:** NEST TREE IS A BULL PINE (PINUS SABINIANA) WITHIN OAK/BULL PINE HABITAT; WHITEWASH AND FISH BONES FOUND UNDER THE NEST.  
**General:** 1 ADULT AND 1 JUVENILE OBSERVED IN THE NEST TOGETHER ON 5 AUG 2000. 2 YOUNG FLEDGED IN 2002. 2 ADULTS AND 1 CHICK OBSERVED ON 22 MAY 2007; 1 YOUNG FLEDGED.  
**Owner/Manager:** DON PEDRO RECREATION AGENCY

<b>Occurrence No.</b>	254	<b>Map Index:</b>	66672	<b>EO Index:</b>	66820	<b>Element Last Seen:</b>	1992-01-19
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1992-01-19	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2006-10-10	

**Quad Summary:** La Grange (3712064)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.68268 / -120.47322	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4173613 E722814	<b>Elevation (ft):</b>	420
<b>PLSS:</b>	T03S, R14E, Sec. 07 (M)	<b>Acres:</b>	35.0

**Location:** COOPERSTOWN ROAD NEAR LA GRANGE.  
**Detailed Location:** SOURCE STATES "300 FT FROM HWY 132."  
**Ecological:** OAK WOODLAND, RANGE LAND.  
**General:** 1 ADULT OBSERVED ROOSTING ON 19 JAN 1992.  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	255	<b>Map Index:</b> 66674	<b>EO Index:</b> 66822	<b>Element Last Seen:</b> 1992-02-23
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1992-02-23
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2006-10-10

**Quad Summary:** Turlock Lake (3712055), Cooperstown (3712065)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.62168 / -120.54989	<b>Accuracy:</b>	3/5 mile
<b>UTM:</b>	Zone-10 N4166664 E716229	<b>Elevation (ft):</b>	250
<b>PLSS:</b>	T04S, R13E, Sec. 04 (M)	<b>Acres:</b>	0.0

**Location:** NORTHEAST END OF TURLOCK LAKE, NEAR LAKE ROAD.

**Detailed Location:**

**Ecological:** LAKE IN GRASSLAND AREA.

**General:** 1 ADULT AND 2 JUVENILES OBSERVED ON 23 FEB 1992.

**Owner/Manager:** STATE

<b>Occurrence No.</b>	264	<b>Map Index:</b> 68023	<b>EO Index:</b> 68175	<b>Element Last Seen:</b> 2001-02-26
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 2001-02-26
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-02-02

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54176 / -120.35474	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4158263 E733705	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T04S, R15E, Sec. 31 (M)	<b>Acres:</b>	0.0

**Location:** KELSEY RESERVOIR, EASTERN MERCED COUNTY.

**Detailed Location:** WINTER DAY ROOST SITE. SITE ID: KELB03.B.

**Ecological:**

**General:** WINTER DAY ROOST SITES REPORTED ON KELSEY RESERVOIR DURING UNKNOWN YEARS. 1 ADULT PERCHED ON SNAG ON 26 FEB 2001.

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Circus cyaneus</b>		<b>Element Code:</b> ABNKC11010		
northern harrier				
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5	
	<b>State:</b> None		<b>State:</b> S3	
	<b>Other:</b> CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
<b>Habitat:</b>	<b>General:</b> COASTAL SALT & FRESH-WATER MARSH. NEST & FORAGE IN GRASSLANDS, FROM SALT GRASS IN DESERT SINK TO MOUNTAIN CIENAGAS.			
	<b>Micro:</b> NESTS ON GROUND IN SHRUBBY VEGETATION, USUALLY AT MARSH EDGE; NEST BUILT OF A LARGE MOUND OF STICKS IN WET AREAS.			
<b>Occurrence No.</b>	46	<b>Map Index:</b> 68000	<b>EO Index:</b> 68149	<b>Element Last Seen:</b> 2001-04-30
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 2001-04-30
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-02-01
<b>Quad Summary:</b>	Snelling (3712054)			
<b>County Summary:</b>	Merced			
<b>Lat/Long:</b>	37.55289 / -120.38621		<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159421 E730890		<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 25, SW (M)		<b>Acres:</b>	0.0
<b>Location:</b>	SOUTH OF THE SOUTH FORK DRY CREEK, 1.7 MILES NORTHWEST OF KELSEY RESERVOIR.			
<b>Detailed Location:</b>	SITE ID: KELB26.N. LOCATION MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 25. LOCATION MAPPED USING DIGITAL DATA.			
<b>Ecological:</b>	"THE REGIONAL STUDY AREA SERVES AS IMPORTANT FORAGING HABITAT FOR CONSERVATION OF THE SPECIES, AND COULD PROVIDE INCREASED BENEFITS FOR BREEDING INDIVIDUALS IF MORE NESTING HABITAT WAS ENHANCED OR RESTORED."			
<b>General:</b>	1 PAIR OBSERVED ON 30 APR 2001.			
<b>Owner/Manager:</b>	PVT-KELSEY RANCH			





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<b><i>Buteo swainsoni</i></b>		<b>Element Code:</b> ABNKC19070	
Swainson's hawk			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> Threatened		<b>State:</b> S3
	<b>Other:</b> BLM_S-Sensitive, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.		
	<b>Micro:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.		

<b>Occurrence No.</b>	2401	<b>Map Index:</b> 89832	<b>EO Index:</b> 90842	<b>Element Last Seen:</b>	1919-05-08
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1919-05-08
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2013-08-01

**Quad Summary:** La Grange (3712064), Cooperstown (3712065)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.65543 / -120.48669	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4170558 E721707	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T03S, R13E, Sec. 24 (M)	<b>Acres:</b>	0.0

**Location:** ALONG THE TUOLUMNE RIVER, ABOUT 1.5 MILES SOUTHWEST OF LA GRANGE.  
**Detailed Location:** SPECIMEN LOCALITY STATED AS "LA GRANGE 1 MI S," BUT GRINNELL'S FIELD NOTES SUGGEST "2 MI SW LA GRANGE." MAPPED CENTERED AT 1.5 MI SW OF LA GRANGE.  
**Ecological:** NEST 20' UP IN BLUE OAK IN BLUE OAK BELT ABOVE RIVER. OAK SNAG 12 M AWAY USED FOR ROOST. NEST 750 X 550 MM, 200 MM DEEP, OF BLUE OAK TWIGS, LINED WITH MAT OF FRESH BLUE OAK LEAVES & FOXTAILS; IN FORK OF TREE, MANY FALLEN TWIGS UNDERNEATH.  
**General:** NEST WITH 1 EGG FIRST DISCOVERED ON 7 MAY 1919. NEST REVISITED ON 8 MAY; SWHA PAIR FLUSHED, 1 FROM PERCH, 1 FROM NEST. STORER FOUND AND PHOTOGRAPHED 2 EGGS IN THE NEST, 1 WAS COLLECTED (MVZ #1779).  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	2437	<b>Map Index:</b> 89963	<b>EO Index:</b> 90977	<b>Element Last Seen:</b>	1926-05-09
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1926-05-09
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2013-09-06

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.56440 / -120.43779	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4160572 E726298	<b>Elevation (ft):</b>	250
<b>PLSS:</b>	T04S, R14E, Sec. 28 (M)	<b>Acres:</b>	0.0

**Location:** 3 MILES NORTH OF SNELLING.  
**Detailed Location:** MAPPED TO GIVEN SPECIMEN LOCALITY. EXACT COLLECTION LOCATION UNKNOWN.  
**Ecological:**  
**General:** SAMPSON COLLECTED EGGS ON 9 MAY 1926 (HSU #2817).  
**Owner/Manager:** UNKNOWN



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<b><i>Buteo regalis</i></b>		<b>Element Code:</b> ABNKC19120	
ferruginous hawk			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4
	<b>State:</b> None		<b>State:</b> S3S4
	<b>Other:</b> CDFW_WL-Watch List, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b> OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS AND FRINGES OF PINYON AND JUNIPER HABITATS.		
	<b>Micro:</b> EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.		

<b>Occurrence No.</b>	62	<b>Map Index:</b>	67997	<b>EO Index:</b>	68145	<b>Element Last Seen:</b>	2001-02-15
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-02-15	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-01-31	

**Quad Summary:** Merced Falls (3712053)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.55707 / -120.35943	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159951 E733243	<b>Elevation (ft):</b>	410
<b>PLSS:</b>	T04S, R15E, Sec. 30, SE (M)	<b>Acres:</b>	0.0

**Location:** 1 MILE WEST OF THE MERCED/MARIPOSA COUNTY LINE, 0.8 MILE DIRECTLY NORTH OF KELSEY RESERVOIR.  
**Detailed Location:** SITE ID: KELB08.F. LOCATION MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 30 - NORTH OF TRIBUTARY TO SOUTH FORK DRY CREEK. LOCATION MAPPED USING DIGITAL DATA.  
**Ecological:**  
**General:** 1 WINTERING BIRD OBSERVED PERCHED ON LONE OAK TREE ON 15 FEB 2001.  
**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	63	<b>Map Index:</b>	67998	<b>EO Index:</b>	68146	<b>Element Last Seen:</b>	2001-02-16
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-02-16	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-01-31	

**Quad Summary:** Merced Falls (3712053)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.56272 / -120.35103	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160599 E733967	<b>Elevation (ft):</b>	447
<b>PLSS:</b>	T04S, R15E, Sec. 29, NW (M)	<b>Acres:</b>	0.0

**Location:** 0.3 MILE WEST OF THE MERCED/MARIPOSA COUNTY LINE AND 1.3 MILES NORTH OF KELSEY RESERVOIR.  
**Detailed Location:** SITE ID: KELB09.F. LOCATION MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 29. LOCATION MAPPED USING DIGITAL DATA.  
**Ecological:**  
**General:** 1 WINTERING BIRD OBSERVED IN LONE OAK TREE ON 16 FEB 2001.  
**Owner/Manager:** PVT-KELSEY RANCH



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<b><i>Charadrius montanus</i></b>		<b>Element Code:</b> ABNNB03100	
mountain plover			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3
	<b>State:</b> None		<b>State:</b> S2S3
<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b>	SHORT GRASSLANDS, FRESHLY PLOWED FIELDS, NEWLY SPROUTING GRAIN FIELDS, & SOMETIMES SOD FARMS.	
	<b>Micro:</b>	SHORT VEGETATION, BARE GROUND & FLAT TOPOGRAPHY. PREFERS GRAZED AREAS & AREAS WITH BURROWING RODENTS.	

<b>Occurrence No.</b>	22	<b>Map Index:</b>	54026	<b>EO Index:</b>	54026	<b>Element Last Seen:</b>	2002-11-30
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2002-11-30	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2004-01-22	

**Quad Summary:** Turlock Lake (3712055)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.61483 / -120.53599	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4165937 E717476	<b>Elevation (ft):</b>	250
<b>PLSS:</b>	T04S, R13E, Sec. 04, SE (M)	<b>Acres:</b>	0.0

**Location:** EAST SIDE OF TURLOCK LAKE BY ENTRANCE TO INLET AREA. LAKE ROAD ABOUT 0.5 MILE NORTH OF LOS CERRITOS ROAD.  
**Detailed Location:** SOME BIRDS EASILY SEEN BY THE ROADSIDE ON OTHER SIDE OF FENCE. SIGHTED BY R. FOWLER.  
**Ecological:**  
**General:** 2002: 11/30/2002: 40 OR MORE BIRDS SEEN. TYPICALLY THE PLOVERS IN THE AREA ARRIVE EARLY DECEMBER AND LEAVE MID JANUARY.  
**Owner/Manager:** UNKNOWN

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



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<b>Occurrence No.</b>	364	<b>Map Index:</b> 43752	<b>EO Index:</b> 43752	<b>Element Last Seen:</b>	1999-05-01
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-05-01
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2000-09-14

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

**Lat/Long:** 37.54548 / -120.36492 **Accuracy:** 80 meters

**UTM:** Zone-10 N4158650 E732794 **Elevation (ft):** 400

**PLSS:** T04S, R15E, Sec. 31, NW (M) **Acres:** 0.0

**Location:** KELSEY RANCH, 0.3 MILE WEST OF KELSEY RESERVOIR, 2.1 MILES NORTH OF SNELLING DIVERSION DAM.

**Detailed Location:** BURROW FOUND IN GRASSLAND.

**Ecological:** GRASSLAND AND ROCKY BLUFF. SURROUNDING LAND USE IS GRAZING, LAND IS STATED AS APPEARING WELL MANAGED.

**General:** OWL OBSERVED ON ROCKY BLUFF ABOVE GRASSLAND WHERE BURROW WAS FOUND.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	885	<b>Map Index:</b> 67987	<b>EO Index:</b> 68137	<b>Element Last Seen:</b>	2001-02-16
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-02-16
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-01

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

**Lat/Long:** 37.56149 / -120.35070 **Accuracy:** 80 meters

**UTM:** Zone-10 N4160463 E734000 **Elevation (ft):** 460

**PLSS:** T04S, R15E, Sec. 29, NW (M) **Acres:** 0.0

**Location:** 0.3 MILE WEST OF THE MERCED/MARIPOSA COUNTY LINE, 1.20 MILES NORTH OF KELSEY RESERVOIR.

**Detailed Location:** SITE ID: KELB05.B. LOCATED BETWEEN TRIBUTARY TO THE SOUTH FORK DRY CREEK AND UNIMPROVED DIRT ROAD - NW 1/4 OF THE NW 1/4 SECTION 29. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** OWLS ARE PRESENT DURING WINTER AND THE BREEDING SEASON IN THE EASTERN MERCED COUNTY REGIONAL STUDY AREA. THIS STUDY AREA PROVIDES IMPORTANT HABITAT FOR THIS SPECIES.

**General:** OWL OBSERVED LEAVING BURROW UNDER ROCK FORMATION ON 16 FEB 2001.

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Occurrence No.</b>	886	<b>Map Index:</b>	67991	<b>EO Index:</b>	68138	<b>Element Last Seen:</b>	2001-02-26
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-02-26	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-02-01	

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55860 / -120.35684	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160127 E733467	<b>Elevation (ft):</b>	450
<b>PLSS:</b>	T04S, R15E, Sec. 30, NE (M)	<b>Acres:</b>	0.0

**Location:** 0.8 MILE WEST OF THE MERCED/MARIPOSA COUNTY LINE, 1 MILE DIRECTLY NORTH OF KELSEY RESERVOIR.

**Detailed Location:** SITE ID: KELB06.B. LOCATED CENTRALLY IN THE SOUTH HALF OF THE NE 1/4 SECTION 30 - NORTH OF TRIBUTARY TO SOUTH FORK DRY CREEK AND EAST OF UNNAMED POND. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** OWLS ARE PRESENT DURING WINTER AND THE BREEDING SEASON IN THE EASTERN MERCED COUNTY REGIONAL STUDY AREA. THIS STUDY AREA PROVIDES IMPORTANT HABITAT FOR THIS SPECIES.

**General:** OWL FLUSHED FROM BURROW IN ROCKY AREA ON 26 FEB 2001.

**Owner/Manager:** PVT-KELSEY RANCH

<b><i>Eremophila alpestris actia</i></b>		<b>Element Code:</b> ABPAT02011
California horned lark		
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b> <b>Global:</b> G5T3Q
	<b>State:</b> None	<b>State:</b> S3
	<b>Other:</b> CDFW_WL-Watch List, IUCN_LC-Least Concern	
<b>Habitat:</b>	<b>General:</b> COASTAL REGIONS, CHIEFLY FROM SONOMA CO. TO SAN DIEGO CO. ALSO MAIN PART OF SAN JOAQUIN VALLEY & EAST TO FOOTHILLS.	
	<b>Micro:</b> SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.	

<b>Occurrence No.</b>	1	<b>Map Index:</b>	34859	<b>EO Index:</b>	8657	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		XXXX-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1996-07-30	

**Quad Summary:** Cooperstown (3712065), Keystone (3712075)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.74306 / -120.59200	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4180037 E712167	<b>Elevation (ft):</b>	239
<b>PLSS:</b>	T02S, R12E, Sec. 24, SW (M)	<b>Acres:</b>	0.0

**Location:** NNE OF WARNERVILLE; NEAR JUNCTION OF WILLMS ROAD AND ROCK RIVER ROAD.

**Detailed Location:**

**Ecological:**

**General:** UNKNOWN NUMBERS OF HORNED LARKS OBSERVED BY B. COREY.

**Owner/Manager:** UNKNOWN



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<b><i>Baeolophus inornatus</i></b>		<b>Element Code:</b> ABPAW01100	
oak titmouse			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4
	<b>State:</b> None		<b>State:</b> S4
	<b>Other:</b> IUCN_LC-Least Concern, NABCI_YWL-Yellow Watch List, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b> OAK WOODLANDS		
	<b>Micro:</b> CAVITY NESTER		

<b>Occurrence No.</b>	1	<b>Map Index:</b> 79471	<b>EO Index:</b> 80443	<b>Element Last Seen:</b>	2010-05-22
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2010-05-22
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2010-08-11

**Quad Summary:** Penon Blanco Peak (3712063)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.69000 / -120.32805	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4174780 E735595	<b>Elevation (ft):</b>	980
<b>PLSS:</b>	T03S, R15E, Sec. 09, NW (M)	<b>Acres:</b>	0.0

**Location:** E OF SR 132 & ALONG THE W SIDE OF PINEY RIDGE, ABOUT 2 MI WSW OF GRANITE SPRINGS, E THE S END OF DON PEDRO RESERVOIR.  
**Detailed Location:** NEST TREE ALONG NORTH TRIBUTARY TO ROGER CREEK, JUST SOUTH OF EL PRADO RD AT CASTILO WAY. MAPPED TO PROVIDED COORDINATES.  
**Ecological:** 2 ADULTS WERE NESTING IN A CAVITY IN QUERCUS DOUGLASII NEAR AN INTERMITTENT CREEK WITHIN BLUE OAK SAVANNAH. PROPERTY ALSO HAS A SINGLE FAMILY HOME AND COMMERCIAL BOAT STORAGE UNIT.  
**General:** 2 ADULTS OBSERVED NESTING ON 22 MAY 2010.  
**Owner/Manager:** PVT

<b><i>Vireo bellii pusillus</i></b>		<b>Element Code:</b> ABPBW01114	
least Bell's vireo			
<b>Listing Status:</b>	<b>Federal:</b> Endangered	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5T2
	<b>State:</b> Endangered		<b>State:</b> S2
	<b>Other:</b> IUCN_NT-Near Threatened, NABCI_YWL-Yellow Watch List		
<b>Habitat:</b>	<b>General:</b> SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.		
	<b>Micro:</b> NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.		



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<b>Occurrence No.</b>	508	<b>Map Index:</b>	17383	<b>EO Index:</b>	92602	<b>Element Last Seen:</b>	1919-05-09
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>			2004-05-21
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2014-02-26

**Quad Summary:** La Grange (3712064), Cooperstown (3712065)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.64725 / -120.49729	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4169624 E720797	<b>Elevation (ft):</b>	180
<b>PLSS:</b>	T03S, R13E, Sec. 25 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 2 MILES SW OF LA GRANGE, BETWEEN DON PEDRO RESERVOIR AND TURLOCK LAKE.

**Detailed Location:** PROVIDED COLLECTION LOCATION WAS "LA GRANGE, 2 MI SW" NEAR "DREDGER POND." MAPPED GENERALLY TO AREA ABOUT 2 MILES SW OF LA GRANGE TOWN CENTER, INCLUDING PORTIONS OF TUOLUMNE RIVER AND DAWSON LAKE. AREA PART OF GRINNELL'S YOSEMITE TRANSECT.

**Ecological:** NEST CONSTRUCTED WITHIN CLUMPS OF WILLOWS AND ALDERS.

**General:** NEST CONSISTING OF 1 EGG WAS COLLECTED (MVZ #1786) ON 9 MAY 1919 BY J. GRINNELL. ADULT MALE WAS CONSISTENTLY SINGING NEARBY AND WAS ALSO COLLECTED (MVZ #30873). NONE WERE DETECTED DURING 2004 RESURVEY OF GRINNELL'S YOSEMITE TRANSECT.

**Owner/Manager:** STA COUNTY-LA GRANGE RP, UNK

<b>Occurrence No.</b>	523	<b>Map Index:</b>	91681	<b>EO Index:</b>	92754	<b>Element Last Seen:</b>	1915-05-29
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>			2004-05-19
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2014-02-26

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.52028 / -120.43061	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4155693 E727066	<b>Elevation (ft):</b>	250
<b>PLSS:</b>	T05S, R14E, Sec. 09, NE (M)	<b>Acres:</b>	183.0

**Location:** ALONG THE MERCED RIVER AT, AND EAST OF, SNELLING.

**Detailed Location:** FROM SNELLING, GRINNELL SURVEYED OUT TO ABOUT 1 MILE EAST ALONG THE MERCED RIVER (BOTH 26-27 MAY), OUT TO ABOUT PRESENT DAY HENDERSON PARK. ON 29 MAY HE SURVEYED SOUTH TO ABOUT 300 YARDS. MAPPED TO GENERAL AREA ALONG RIVER.

**Ecological:** SEEN "IN WILLOW, NETTLE, AND BLACKBERRY TANGLES CLOSE ALONG RIVER." DREDGE TAILINGS SEEM TO BE COMMON ALONG THE RIVER IN THIS AREA; TAILINGS NOTED SOUTH OF TOWN, SOUTH SIDE OF RIVER IN 1918 TOPO, & MORE EXTENSIVE EAST IN 2005 AERIAL.

**General:** DETECTED 4 EACH ON 26 & 27 MAY WHILE SURVEYING E OF TOWN ALONG RIVER. WITHIN 300 YDS S OF TOWN, DETECTED ABOUT 8 ON 29 MAY. GRINNELL NOTED THEY WERE "COMMON" AT SNELLING ALONG RIVER. NONE DETECTED DURING THE YOSEMITE RESURVEY PROJECT, 2004.

**Owner/Manager:** UNKNOWN





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**Occurrence No.:** 525      **Map Index:** 91683      **EO Index:** 92758      **Element Last Seen:** 1915-05-23  
**Occ. Rank:** None      **Presence:** Extirpated      **Site Last Seen:** 2004-05-26  
**Occ. Type:** Natural/Native occurrence      **Trend:** Unknown      **Record Last Updated:** 2014-02-26

**Quad Summary:** Penon Blanco Peak (3712063)

**County Summary:** Mariposa

**Lat/Long:** 37.64948 / -120.28919      **Accuracy:** 3/5 mile  
**UTM:** Zone-10 N4170383 E739152      **Elevation (ft):** 840  
**PLSS:** T03S, R15E, Sec. 26, N (M)      **Acres:** 0.0

**Location:** PLEASANT VALLEY (PPL), 1.8 MI NE OF FORTYNINE GAP AND 2 MI WSW OF JASPER POINT (JASPER PPL), 12.25 AIR MI NE SNELLING.

**Detailed Location:** HISTORIC PLEASANT VALLEY IS NOW UNDER LAKE MCCLURE, AN EMPOUNDMENT OF THE MERCED RIVER. STORER CAMPED HERE ALONG THE MERCED RIVER DURING MAY 1915 AS PART OF GRINNELL'S YOSEMITE TRANSECT.

**Ecological:** IN COFFEE BERRY BRUSH NEAR RIVER. RIPARIAN HABITAT SURVEYED BY STORER IS NOW FLOODED UNDER LAKE MCCLURE.

**General:** ONE PAIR WAS DETECTED ON 22 AND 23 MAY 1915. NONE DETECTED DURING THE 2004 YOSEMITE TRANSECT RESURVEY PROJECT.

**Owner/Manager:** UNKNOWN

***Icteria virens*** **Element Code:** ABPBX24010

yellow-breasted chat

**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:** SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW & OTHER BRUSHY TANGLES NEAR WATERCOURSES.

**Micro:** NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

**Occurrence No.:** 103      **Map Index:** 68012      **EO Index:** 68167      **Element Last Seen:** 2001-06-08  
**Occ. Rank:** Unknown      **Presence:** Presumed Extant      **Site Last Seen:** 2001-06-08  
**Occ. Type:** Natural/Native occurrence      **Trend:** Unknown      **Record Last Updated:** 2007-02-01

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

**Lat/Long:** 37.51614 / -120.44882      **Accuracy:** 80 meters  
**UTM:** Zone-10 N4155191 E725469      **Elevation (ft):** 250  
**PLSS:** T05S, R14E, Sec. 08, NE (M)      **Acres:** 0.0

**Location:** JUST SOUTH OF HIGHWAY 59, ALONG MERCED RIVER, 0.5 MILE WSW OF SNELLING.

**Detailed Location:** SITE ID: EMCB02.Y. LOCATION MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 8. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF DREDGE/RIPARIAN AREA. FORAGING AND NESTING HABITAT IS PRESENT ALONG THE DREDGE AND RIPARIAN AREAS. HABITAT IN THE EASTERN MERCED COUNTY REGIONAL STUDY AREA ALSO PROVIDES FOR FORAGING AND COVER DURING MIGRATION.

**General:** 1 MALE OBSERVED SINGING ON 8 JUN 2001.

**Owner/Manager:** UNKNOWN

***Agelaius tricolor*** **Element Code:** ABPBXB0020

tricolored blackbird

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



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<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b>	HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.	
	<b>Micro:</b>	REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.	

<b>Occurrence No.</b>	81	<b>Map Index:</b>	13346	<b>EO Index:</b>	24738	<b>Element Last Seen:</b>	1936-06-04
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>			1936-06-04
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			1991-07-25

**Quad Summary:** La Grange (3712064), Cooperstown (3712065)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.66381 / -120.48297	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4171496 E722011	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T03S, R13E, Sec. 24 (M)	<b>Acres:</b>	0.0

**Location:** DREDGER PITS, JUST W OF LA GRANGE.  
**Detailed Location:** COLONY OF APPROX 4500 OBS BY NEFF NESTING IN CATTAILS.  
**Ecological:**  
**General:** PRESUMED EXTIRPATED ACC TO BEEDY 1991.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	82	<b>Map Index:</b>	13293	<b>EO Index:</b>	11812	<b>Element Last Seen:</b>	1971-05-09
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			1971-05-09
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			1991-07-25

**Quad Summary:** Snelling (3712054), Turlock Lake (3712055), La Grange (3712064), Cooperstown (3712065)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.63437 / -120.51103	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4168162 E719622	<b>Elevation (ft):</b>	150
<b>PLSS:</b>	T03S, R13E, Sec. 35 (M)	<b>Acres:</b>	0.0

**Location:** 3.5 MI SW OF LA GRANGE.  
**Detailed Location:** COLONY OF APPROX 2500 OBS BY DE HAVEN NESTING IN CATTAILS. SOME NEST-BUILDING. COLONY SIZE 0.5 ACRE.  
**Ecological:** CATTAIL MARSH SURROUNDED BY IRRIGATED AND NONIRRIGATED PASTURES IN ROLLING HILLS.  
**General:**  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	83	<b>Map Index:</b> 13277	<b>EO Index:</b> 24739	<b>Element Last Seen:</b>	1971-05-09
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1971-05-09
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1996-02-19

**Quad Summary:** Turlock Lake (3712055), Cooperstown (3712065)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.61825 / -120.52519	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4166341 E718420	<b>Elevation (ft):</b>	250
<b>PLSS:</b>	T04S, R13E, Sec. 03 (M)	<b>Acres:</b>	0.0

**Location:** APPROX 5 MI SW OF LA GRANGE.

**Detailed Location:** COLONY OF APPROX 1000 OBS BY DE HAVEN ESTABLISHING TERRITORY IN CATTAILS. COLONY SIZE 0.75 ACRE.

**Ecological:** NARROW STRIP OF CATTAIL IN RIPARIAN STREAM BOTTOM/GRAVEL PIT AREA SURROUNDED BY NONIRRIGATED ROLLING HILLS PASTURE.

**General:**

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	86	<b>Map Index:</b> 13082	<b>EO Index:</b> 24735	<b>Element Last Seen:</b>	1936-06-04
<b>Occ. Rank:</b>	None		<b>Presence:</b> Possibly Extirpated	<b>Site Last Seen:</b>	1936-06-04
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1991-07-25

**Quad Summary:** Turlock Lake (3712055), Montpelier (3712056), Cooperstown (3712065), Paulsell (3712066)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.63464 / -120.63797	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4167903 E708419	<b>Elevation (ft):</b>	120
<b>PLSS:</b>	T03S, R12E, Sec. 34 (M)	<b>Acres:</b>	0.0

**Location:** MARSH NEAR ROBERTS FERRY, APPROX 6 MI E OF WATERFORD.

**Detailed Location:** COLONY OF APPROX 1500 OBS BY NEFF IN CATTAIL/WILLOW MARSH.

**Ecological:**

**General:** PRESUMED EXTIRPATED ACC TO BEEDY 1991.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	372	<b>Map Index:</b> 52418	<b>EO Index:</b> 52418	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2003-09-10

**Quad Summary:** Keystone (3712075)

**County Summary:** Stanislaus, Tuolumne

<b>Lat/Long:</b>	37.76302 / -120.56027	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4182325 E714905	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T02S, R13E, Sec. 17, NE (M)	<b>Acres:</b>	0.0

**Location:** VICINITY OF THE CLAY PITS JUST NORTHWEST OF ROCK RIVER ROAD ON THE TUOLOMNE / STANISLAUS COUNTY LINE.

**Detailed Location:** SITE NAME GIVEN AS "ROCK R. RD, KNIGHT'S FERRY"

**Ecological:**

**General:** 550 BIRDS OBSERVED AT ACTIVE BREEDING COLONY.

**Owner/Manager:** UNKNOWN



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***Entosphenus hubbsi***

**Element Code:** AFBAA02040

Kern brook lamprey

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G1G2
	<b>State:</b> None		<b>State:</b> S1S2
	<b>Other:</b> AFS_TH-Threatened, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> SAN JOAQUIN RIVER SYSTEM AND KERN RIVER.		
	<b>Micro:</b> GRAVEL-BOTTOMED AREAS FOR SPAWNING AND MUDDY-BOTTOMED AREAS WHERE AMMOCOETES CAN BURROW AND FEED.		

<b>Occurrence No.</b>	2	<b>Map Index:</b>	13676	<b>EO Index:</b>	28658	<b>Element Last Seen:</b>	1977-03-00
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1977-03-00	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2000-09-20	

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.51858 / -120.33489	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4155740 E735532	<b>Elevation (ft):</b>	345
<b>PLSS:</b>	T05S, R15E, Sec. 09, SW (M)	<b>Acres:</b>	62.7

**Location:** MERCED RIVER NEAR MERCED FALLS.

**Detailed Location:** MAY ALSO BE FOUND IN THE SACRAMENTO RIVER; HOWEVER, AT PRESENT THE SAN JOAQUIN RIVER SYSTEM SHOULD BE CONSIDERED AS THE TYPICAL HABITAT FOR THIS SPECIES.

**Ecological:**

**General:** 1 AMMOCOETE, 8 METAMORPHOSING AND 119 METAMORPHOSED INDIVIDUALS COLLECTED BY R.R. MENCHEN, DFG.

**Owner/Manager:** UNKNOWN



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<b><i>Oncorhynchus mykiss irideus</i></b>		<b>Element Code:</b> AFCHA0209K	
steelhead - Central Valley DPS			
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5T2Q
	<b>State:</b> None		<b>State:</b> S2
	<b>Other:</b> AFS_TH-Threatened		
<b>Habitat:</b>	<b>General:</b> POPULATIONS IN THE SACRAMENTO AND SAN JOAQUIN RIVERS AND THEIR TRIBUTARIES.		
	<b>Micro:</b> <input type="checkbox"/>		

<b>Occurrence No.</b>	21	<b>Map Index:</b>	91324	<b>EO Index:</b>	92424	<b>Element Last Seen:</b>	2013-05-31
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2013-05-31	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-01-28	
<b>Quad Summary:</b>	Stevinson (3712037), Gustine (3712038), Yosemite Lake (3712044), Winton (3712045), Cressey (3712046), Turlock (3712047), Merced Falls (3712053), Snelling (3712054)						
<b>County Summary:</b>	Merced, Stanislaus						
<b>Lat/Long:</b>	37.46963 / -120.56460		<b>Accuracy:</b>	nonspecific area			
<b>UTM:</b>	Zone-10 N4149757 E715368		<b>Elevation (ft):</b>				
<b>PLSS:</b>	T05S, R13E, Sec. 29 (M)		<b>Acres:</b>	6101.0			
<b>Location:</b>	MERCED RIVER, FROM ITS MOUTH IN THE SAN JOAQUIN TO THE CROCKER HUFFMAN DAM (=SNELLING DIVERSION DAM, RM 52).						
<b>Detailed Location:</b>	MAPPED TO RIVER REACH CURRENTLY NAVIGABLE BY STEELHEAD (SH). CROCKER HUFFMAN DAM (CHD) BUILT 1910, ITS FISH LADDER BLOCKED BY CDFW IN 1970S. RSTS NEAR HOPETON (RM37, LATER RM37.5) & NEAR STEVINSON (RM2, LATER RM4.8). VIDEO WEIR AT RM 4.6.						
<b>Ecological:</b>	STEELHEAD PRESENT BUT NOT A VIABLE POPULATION; SPORADIC SPAWNERS BETWEEN CHD & HWY J59 (RM42). 2008 OTOLITH STUDY FOUND 1 OUT OF 23 SAMPLED WAS STEELHEAD PROGENY. RESTORATION UNDERWAY BUT FURTHER GRAVEL & FLOW AUGMENTATION NEEDED.						
<b>General:</b>	ADULTS W/SH MARKINGS CAUGHT 1997-2001. RST CAUGHT 1 IN 1998, 9 IN 2001. YRLY RST CATCH 2005-2013: 11, 23, 0, 0, 9, 383, 4. LOW #S AT STEVINSON SITE MAY REFLECT POOR TRAPPING CONDITIONS, NOT LACK OF EMIGRATION. 1 AD PAST VIDEO WEIR NOV 2012.						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Occurrence No.</b>	22	<b>Map Index:</b>	91459	<b>EO Index:</b>	92517	<b>Element Last Seen:</b>	2014-01-19
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2014-01-19	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-03-28	
<b>Quad Summary:</b>	Denair (3712057), Ceres (3712058), La Grange (3712064), Cooperstown (3712065), Paulsell (3712066), Waterford (3712067), Riverbank (3712068), Brush Lake (3712151), Westley (3712152)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.66641 / -120.47058		<b>Accuracy:</b>	nonspecific area			
<b>UTM:</b>	Zone-10 N4171814 E723096		<b>Elevation (ft):</b>				
<b>PLSS:</b>	T03S, R14E, Sec. 19 (M)		<b>Acres:</b>	6353.0			
<b>Location:</b>	LOWER TUOLUMNE RIVER, FROM ITS MOUTH IN THE SAN JOAQUIN RIVER TO LA GRANGE DAM (RM52).						
<b>Detailed Location:</b>	MAPPED TO LA GRANGE DAM (BUILT 1893), UPSTREAM LIMIT TO ANADROMY. RSTS AT SHILOH 1995-98 (RM3.4), GRAYSON SINCE '99 (RM5.2), WATERFORD SINCE 2006 (RM29.8). SNORKEL SURVEYS FROM DAM TO ~RM31.5. SEINES FROM MOUTH TO DAM. VIDEO WEIR AT RM24.5.						
<b>Ecological:</b>	SPAWNING IN 20 MI BELOW DAM. IN 2008 OTOLITH STUDY, 10 OF 147 TROUT (6.8%) WERE SH PROGENY; 1 WAS A SH. INCREASE IN SUMMER POPS AFTER BASE FLOW AUGMENTATION STARTING 1995. SPIKE IN 2011 #S MAY BE HATCHERY TROUT ESCAPED FROM U/S RESERVOIRS.						
<b>General:</b>	0-51 SEINED, 1983-2012. SNORKEL INDEX: ONLY 1 OBS 1987-94; AVG 420, 2001-2012 (HIGH 1,327 IN 2011). POP ESTS SINCE '08: FROM 109 (MAR '10) TO 56,973 (SEP '11). SOME MIGRATION INDICATED: RST #S FROM 0-11, 2000-12; WEIR #S FROM 0-16, 2009-14.						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Element Code:</b> AFCJB19021							
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***Lavinia symmetricus ssp. 1***

San Joaquin roach

**Listing Status:** **Federal:** None **CNDDDB Element Ranks:** **Global:** G4T3Q  
**State:** None **State:** S3  
**Other:** CDFW\_SSC-Species of Special Concern  
**Habitat:** **General:** TRIBUTARIES TO THE SAN JOAQUIN RIVER FROM THE COSUMNES RIVER SOUTH.  
**Micro:**

**Occurrence No.** 4 **Map Index:** 42628 **EO Index:** 42628 **Element Last Seen:** 1999-06-17  
**Occ. Rank:** Fair **Presence:** Presumed Extant **Site Last Seen:** 1999-06-17  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2000-03-27

**Quad Summary:** Penon Blanco Peak (3712063), Moccasin (3712073)

**County Summary:** Tuolumne

**Lat/Long:** 37.74935 / -120.32688 **Accuracy:** specific area  
**UTM:** Zone-10 N4181370 E735510 **Elevation (ft):** 900  
**PLSS:** T02S, R15E, Sec. 21, NW (M) **Acres:** 14.5

**Location:** FIRST CREEK, UPSTREAM OF THE MARSH FLAT ROAD CROSSING, 1.2 MILES NORTH OF BLANCHARD, EAST OF DON PEDRO RESERVOIR.

**Detailed Location:** SURROUNDING LAND USE IS PASTURE.

**Ecological:** MEDIUM COBBLES, LARGE POOLS BUT LOW WATER FLOWS, POOLS 1 TO 3 FEET DEEP.

**General:** 5 ADULTS CAPTURED, FIN CLIPPED, AND RELEASED; FIN CLIPS AT UCSC, #WJLS44.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 5 **Map Index:** 42629 **EO Index:** 42629 **Element Last Seen:** 1999-06-17  
**Occ. Rank:** Poor **Presence:** Presumed Extant **Site Last Seen:** 1999-06-17  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2000-03-27

**Quad Summary:** Moccasin (3712073)

**County Summary:** Tuolumne

**Lat/Long:** 37.75712 / -120.32595 **Accuracy:** specific area  
**UTM:** Zone-10 N4182234 E735568 **Elevation (ft):** 1100  
**PLSS:** T02S, R15E, Sec. 16, SW (M) **Acres:** 29.0

**Location:** HATCH & SECOND CREEKS, UPSTREAM OF CONFLUENCE NEAR MARSH FLAT RD, 2 MILES SOUTH OF DOMINGO PEAK, 4 MI SSW OF MOCCASIN.

**Detailed Location:** SURROUNDING LAND USE IS PASTURE (SECOND CREEK) AND HORSE FARM (HATCH CREEK).

**Ecological:** SECOND CREEK: POOL ABOVE CULVERT, MEDIUM COBBLES, LARGE POOL, WATER 1-4 FEET DEEP. HATCH CREEK: MEDIUM COBBLE, ISOLATED POOLS, WATER 1-2 FEET DEEP.

**General:** 10 ADULTS CAPTURED, FIN CLIPPED, AND RELEASED, 5 FROM EACH CREEK; FIN CLIPS AT UCSC, #WJLS42 (HATCH CR), #WJLS43 (SECOND CR).

**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	6	<b>Map Index:</b> 42631	<b>EO Index:</b> 42631	<b>Element Last Seen:</b> 1999-06-17
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-06-17
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2000-03-27

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.77861 / -120.27184	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4184757 E740266	<b>Elevation (ft):</b>	1200
<b>PLSS:</b>	T02S, R15E, Sec. 12, NW (M)	<b>Acres:</b>	11.0

**Location:** BIG JACKASS CREEK, AT HIGHWAY 49 CROSSING, ABOUT 3 MILES SE OF MOCCASIN.  
**Detailed Location:**  
**Ecological:** LARGE COBBLES, ISOLATED POOLS, GOOD WATER FLOW, WATER 1 TO 3 FEET DEEP.  
**General:** 5 BREEDING ADULTS CAPTURED, FIN CLIPPED, AND RELEASED; FIN CLIPS AT UCSC MUSEUM, #WJLS41.  
**Owner/Manager:** UNKNOWN

<b><i>Lavinia symmetricus ssp. 3</i></b>		<b>Element Code:</b> AFCJB19028
Red Hills roach		
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b> <b>Global:</b> G4T1
	<b>State:</b> None	<b>State:</b> S1
	<b>Other:</b> AFS_VU-Vulnerable, BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	
<b>Habitat:</b>	<b>General:</b> SMALL STREAMS NEAR SONORA.	
	<b>Micro:</b> FOUND IN AREAS WITH SERPENTINE SOIL.	

<b>Occurrence No.</b>	1	<b>Map Index:</b> 41331	<b>EO Index:</b> 41331	<b>Element Last Seen:</b> 1999-06-17
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-06-17
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2000-03-23

**Quad Summary:** Chinese Camp (3712074)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.85097 / -120.46501	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4192308 E723033	<b>Elevation (ft):</b>	1200
<b>PLSS:</b>	T01S, R14E, Sec. 17 (M)	<b>Acres:</b>	59.9

**Location:** HORTON CREEK, 2.2 MILES SW OF CHINESE CAMP AND 1.4 MILES NNE OF CRIMEA HOUSE, RED HILLS.  
**Detailed Location:** SURROUNDING LAND USE IS A RANCH, BLM LAND. SITE QUALITY GOOD IN THE MIDDLE SECTION, ABOVE AND BELOW IS FAIR.  
**Ecological:** LARGE COBBLES, ISOLATED POOLS, WATER 1 TO 2 FEET DEEP.  
**General:** 5 ADULTS CAPTURED IN 1998 & 10 CAPTURED IN 1999, ALL WERE FIN CLIPPED & RELEASED. FIN CLIPS SENT TO UCSC (#S: WJLS12, WJLS36, WJLS45).  
**Owner/Manager:** UNKNOWN





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<b>Occurrence No.</b>	2	<b>Map Index:</b> 41336	<b>EO Index:</b> 41336	<b>Element Last Seen:</b>	1998-11-20
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1998-11-20
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1999-07-01

**Quad Summary:** Chinese Camp (3712074)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.84474 / -120.47098	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4191603 E722526	<b>Elevation (ft):</b>	1200
<b>PLSS:</b>	T01S, R14E, Sec. 18, SE (M)	<b>Acres:</b>	18.7

**Location:** ROACH CREEK (CREEK IS ACTUALLY UNNAMED), ABOUT 3 MILES SW OF CHINESE CAMP AND 1 MILE NNE OF CRIMEA HOUSE, RED HILLS.

**Detailed Location:** SURROUNDING LAND USE IS A RANCH.

**Ecological:**

**General:** 5 ADULTS CAPTURED, FIN CLIPPED, AND RELEASED. FIN CLIPS SENT TO UCSC.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	3	<b>Map Index:</b> 41337	<b>EO Index:</b> 41337	<b>Element Last Seen:</b>	2000-07-10
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2000-07-10
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2003-06-13

**Quad Summary:** Chinese Camp (3712074)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.84126 / -120.48346	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4191187 E721438	<b>Elevation (ft):</b>	1300
<b>PLSS:</b>	T01S, R13E, Sec. 24, NE (M)	<b>Acres:</b>	19.1

**Location:** AMBER CREEK, ABOUT 3.5 MILES SW OF CHINESE CAMP AND 0.7 MILE NNW OF CRIMEA HOUSE, RED HILLS.

**Detailed Location:** 2000 FIELD SURVEY FORM CALLS THIS CREEK "ROACH CR", BUT THE MAP ATTACHED TO THE FORM SHOWS THIS AS THE SAME LOCATION AS THE 1998 RECORD WHICH CALLS THIS AMBER CREEK.

**Ecological:** SMALL STREAM WITH FEW PLANTS/SHRUBS. FEW, ISOLATED POOLS WITH RED HILLS ROACH. SURROUNDING LAND USE IS A RANCH, PASTURE & MINING.

**General:** 10 JUL 2000: 5 ADULTS CAPTURED, FIN CLIPPED & RELEASED. 20 NOV 1998: 5 ADULTS CAPTURED, FIN CLIPPED, AND RELEASED. FIN CLIPS SENT TO UCSC.

**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	4	<b>Map Index:</b> 42611	<b>EO Index:</b> 42611	<b>Element Last Seen:</b>	1999-06-15
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-06-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2000-03-23

**Quad Summary:** Chinese Camp (3712074)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.82414 / -120.40995	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4189464 E727960	<b>Elevation (ft):</b>	880
<b>PLSS:</b>	T01S, R14E, Sec. 26, NW (M)	<b>Acres:</b>	20.9

**Location:** POOR MANS GULCH, ~1 MILE SOUTH OF HUNGRY HILL, 4 MILES ESE OF CRIMEA HOUSE, 2 MI SW HWY 120 CROSSING OF DON PEDRO RES.  
**Detailed Location:** POOR MANS GULCH, RED HILLS.  
**Ecological:** LARGE COBBLES, CONNECTED POOLS; WATER 1 TO 3 FEET DEEP.  
**General:** 5 JUVENILES, BUT NO ADULTS OBSERVED, 1999 (FIN CLIP ONLY, #WJLS38 SENT TO UCSC).  
**Owner/Manager:** BLM

<b>Occurrence No.</b>	5	<b>Map Index:</b> 42613	<b>EO Index:</b> 42613	<b>Element Last Seen:</b>	1999-06-15
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-06-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2000-03-23

**Quad Summary:** Chinese Camp (3712074)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.83506 / -120.43347	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4190619 E725856	<b>Elevation (ft):</b>	920
<b>PLSS:</b>	T01S, R14E, Sec. 21, NE (M)	<b>Acres:</b>	31.1

**Location:** MINNOW AND SIX BIT GULCHES, 1 MILE WSW OF HUNGRY HILL, 2.5 MILES SOUTH OF CHINESE CAMP, RED HILLS.  
**Detailed Location:** LOWER END OF MINNOW GULCH CREEK AND DOWNSTREAM OF CONFLUENCE WITH SIX BIT GULCH CREEK. ONCORYHNCHUS MYKISS, CATOSTOMUS OCCIDENTALIS OBSERVED IN SIX BIT.  
**Ecological:** MINNOW: LARGE COBBLE, ISOLATED POOLS IN INTERMITTENT STREAM. SIX BIT: LARGE COBBLES, ISOLATED POOLS, WATER 1 TO 3 FEET DEEP.  
**General:** 8 FISH COLLECTED AND FIN CLIPPED, 4 ADULTS & 4 JUVENILE; THE 3 JUVENILES FROM MINNOW GULCH WERE KEPT (INCIDENTAL DEATH), 1999. FIN CLIPIS #WJLS34 & 35 SENT TO UCSC.  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	6	<b>Map Index:</b> 42624	<b>EO Index:</b> 42624	<b>Element Last Seen:</b>	1999-06-15
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-06-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2005-07-12

**Quad Summary:** Keystone (3712075), New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.87406 / -120.50774	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4194770 E719204	<b>Elevation (ft):</b>	1030
<b>PLSS:</b>	T01S, R13E, Sec. 02, SE (M)	<b>Acres:</b>	18.7

**Location:** ANDREW CREEK, AT THE CROSSING OF HIGHWAY 108/120, 2.7 MILES NORTH OF KEYSTONE, RED HILLS.

**Detailed Location:** CREEK IN CULVERT BELOW HIGHWAY 108.

**Ecological:** FINE ROCK, ALGAE, FISH ABUNDANT IN POOLS 1 TO 3 FEET DEEP. SURROUNDING LAND USE PASTURE/COWS.

**General:** 17 APR 1999: "MANY" OBSERVED. 15 JUN 1999: 5 ADULTS COLLECTED, FIN CLIPS TAKEN AND FISH RELEASED; UCSC MUSEUM #WJLS37.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	8	<b>Map Index:</b> 51536	<b>EO Index:</b> 51536	<b>Element Last Seen:</b>	2000-07-10
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2000-07-10
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2003-06-13

**Quad Summary:** Chinese Camp (3712074)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.83631 / -120.47426	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4190659 E722263	<b>Elevation (ft):</b>	1250
<b>PLSS:</b>	T01S, R14E, Sec. 19 (M)	<b>Acres:</b>	21.4

**Location:** AMBER CREEK. NORTH OF RED HILL SIMS ROAD. ABOUT 0.25 MI NE OF CRIMEA HOUSE.

**Detailed Location:**

**Ecological:** HEAVY UNDERBRUSH NEXT TO SMALL CREEK, FEW ISOLATED POOLS CONTAINING RED HILLS ROACH. SURROUNDING AREA IS PASTURE AND MINING.

**General:** 4 COLLECTED, FIN CLIPPED AND RELEASED.

**Owner/Manager:** UNKNOWN



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<b><i>Mylopharodon conocephalus</i></b>		<b>Element Code:</b> AFCJB25010	
hardhead			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G3
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> CDFW_SSC-Species of Special Concern, USFS_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> LOW TO MID-ELEVATION STREAMS IN THE SACRAMENTO-SAN JOAQUIN DRAINAGE. ALSO PRESENT IN THE RUSSIAN RIVER.		
	<b>Micro:</b> CLEAR, DEEP POOLS WITH SAND-GRAVEL-BOULDER BOTTOMS & SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.		
<b>Occurrence No.</b>	30	<b>Map Index:</b> 73945	<b>EO Index:</b> 74954
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b> Presumed Extant	<b>Element Last Seen:</b> 2007-07-20
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Site Last Seen:</b> 2007-07-20
			<b>Record Last Updated:</b> 2009-03-16
<b>Quad Summary:</b>	Snelling (3712054)		
<b>County Summary:</b>	Merced		
<b>Lat/Long:</b>	37.51823 / -120.41662	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4155499 E728309	<b>Elevation (ft):</b>	260
<b>PLSS:</b>	T05S, R14E, Sec. 10, NE (M)	<b>Acres:</b>	0.0
<b>Location:</b>	MERCED RIVER AT HENDERSON PARK, ABOUT 1.2 MI EAST OF SNELLING.		
<b>Detailed Location:</b>	MAPPED TO PROVIDED COORDINATES.		
<b>Ecological:</b>			
<b>General:</b>	3 INDIVIDUALS CAPTURED VIA BACKPACK E-FISHING, THEN RELEASED, ON 20 JUL 2007.		
<b>Owner/Manager:</b>	MER COUNTY		



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<b><i>Myotis yumanensis</i></b>		<b>Element Code:</b> AMACC01020	
Yuma myotis			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S4
	<b>Other:</b> BLM_S-Sensitive, IUCN_LC-Least Concern, WBWG_LM-Low-Medium Priority		
<b>Habitat:</b>	<b>General:</b> OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.		
	<b>Micro:</b> DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.		

<b>Occurrence No.</b>	140	<b>Map Index:</b> 68798	<b>EO Index:</b> 69309	<b>Element Last Seen:</b>	1999-09-16
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-09-16
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-23
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.80993 / -120.29944		<b>Accuracy:</b>	1/10 mile	
<b>UTM:</b>	Zone-10 N4188162 E737733		<b>Elevation (ft):</b>	850	
<b>PLSS:</b>	T01S, R15E, Sec. 34, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	SE OF MOCCASIN, ADJACENT TO HWY 49, MOCCASIN CREEK.				
<b>Detailed Location:</b>	BRIDGE NIGHT ROOST. MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY 2004 REPORT ON LASIURUS BLOSSEVILLII. LOCALITY GIVEN AS "MOCCASIN CREEK, HWY 120."				
<b>Ecological:</b>					
<b>General:</b>	BATS DETECTED ACOUSTICALLY AND ABOUT 100 BATS OBSERVED AND/OR CAPTURED ON 17 JUN, ABOUT 300 BATS ON 14 JUL, 300+ BATS ON 15 AUG AND ABOUT 50 BATS ON 16 SEP, 1999. BAT(S) DETECTED ACOUSTICALLY ON 22 OCT 1999.				
<b>Owner/Manager:</b>	UNKNOWN				

<b>Occurrence No.</b>	141	<b>Map Index:</b> 68800	<b>EO Index:</b> 69311	<b>Element Last Seen:</b>	1999-09-15
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-09-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-03
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.83423 / -120.34292		<b>Accuracy:</b>	1 mile	
<b>UTM:</b>	Zone-10 N4190750 E733829		<b>Elevation (ft):</b>	850	
<b>PLSS:</b>	T01S, R15E, Sec. 20 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	VICINITY OF DON PEDRO RESERVOIR, NEAR INTERSECTION OF HWY 120 AND JACKSONVILLE RD.				
<b>Detailed Location:</b>	BRIDGE ROOST. EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCATION ONLY AS "JACKSONVILLE RD." MAPPED IN THE GENERAL VICINITY OF HIGHWAY 120 AND JACKSONVILLE RD. INCLUDES LOCALITY "DON PEDRO."				
<b>Ecological:</b>					
<b>General:</b>	NIGHT ROOST. BAT(S) DETECTED ACOUSTICALLY 4 JUN 1998. 1 BAT CAPTURED OR OBS 17 JUN & 15 AUG 1999 AT "DON PEDRO." ABOUT 200 BATS CAPTURED AND/OR OBSERVED ON 15 AUG & ABOUT 25 BATS CAPTURED AND/OR OBSERVED ON 16 SEP 1999 AT "JACKSONVILLE RD."				
<b>Owner/Manager:</b>	UNKNOWN				



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<b><i>Myotis volans</i></b>		<b>Element Code:</b> AMACC01110	
long-legged myotis			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> IUCN_LC-Least Concern, WBWG_H-High Priority		
<b>Habitat:</b>	<b>General:</b> MOST COMMON IN WOODLAND & FOREST HABITATS ABOVE 4000 FT. TREES ARE IMPORTANT DAY ROOSTS; CAVES & MINES ARE NIGHT ROOSTS.		
	<b>Micro:</b> NURSERY COLONIES USUALLY UNDER BARK OR IN HOLLOW TREES, BUT OCCASIONALLY IN CREVICES OR BUILDINGS.		

<b>Occurrence No.</b>	101	<b>Map Index:</b>	68800	<b>EO Index:</b>	69356	<b>Element Last Seen:</b>	1998-06-04
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1998-06-04	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-04-04	

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.83423 / -120.34292	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4190750 E733829	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T01S, R15E, Sec. 20 (M)	<b>Acres:</b>	0.0

**Location:** VICINITY OF DON PEDRO RESERVOIR, NEAR INTERSECTION OF HWY 120 AND JACKSONVILLE RD.  
**Detailed Location:** EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCATION ONLY AS "HWY 120, MOCCASIN CREEK, LAKE DON PEDRO." MAPPED AS BEST ESTIMATE.  
**Ecological:**  
**General:** INDIVIDUAL(S) DETECTED IN AN ACOUSTIC SURVEY ON 4 JUN 1998.  
**Owner/Manager:** UNKNOWN

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

<b>Occurrence No.</b>	72	<b>Map Index:</b>	66546	<b>EO Index:</b>	68832	<b>Element Last Seen:</b>	1916-04-15
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1916-04-15	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-03-16	

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.52083 / -120.43925	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4155733 E726301	<b>Elevation (ft):</b>	260
<b>PLSS:</b>	T05S, R14E, Sec. 09, N (M)	<b>Acres:</b>	0.0

**Location:** SNELLING.  
**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 402.336 M.  
**Ecological:**  
**General:** MVZ #23899 COLLECTED BY C.A. GALLO AND HARRY S. SWARTH ON 15 APR 1916.  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	159	<b>Map Index:</b> 68800	<b>EO Index:</b> 69354	<b>Element Last Seen:</b> 1998-06-04
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1998-06-04
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-04-04

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.83423 / -120.34292	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4190750 E733829	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T01S, R15E, Sec. 20 (M)	<b>Acres:</b>	0.0

**Location:** VICINITY OF DON PEDRO RESERVOIR, NEAR INTERSECTION OF HWY 120 AND JACKSONVILLE RD.  
**Detailed Location:** EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCATION ONLY AS "HWY 120, MOCCASIN CREEK, LAKE DON PEDRO." MAPPED AS BEST ESTIMATE.  
**Ecological:**  
**General:** INDIVIDUAL(S) DETECTED IN AN ACOUSTIC SURVEY ON 4 JUN 1998.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	160	<b>Map Index:</b> 68798	<b>EO Index:</b> 69355	<b>Element Last Seen:</b> 1999-10-22
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-10-22
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-04-23

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.80993 / -120.29944	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4188162 E737733	<b>Elevation (ft):</b>	850
<b>PLSS:</b>	T01S, R15E, Sec. 34, NE (M)	<b>Acres:</b>	0.0

**Location:** SE OF MOCCASIN, ADJACENT TO HWY 49, MOCCASIN CREEK.  
**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY 2004 REPORT ON LASIURUS BLOSSEVILLII. LOCALITY GIVEN AS "MOCCASIN CREEK, HWY 120."  
**Ecological:**  
**General:** INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 17 JUN, AND 22 OCT 1999.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	211	<b>Map Index:</b> 69006	<b>EO Index:</b> 69735	<b>Element Last Seen:</b> 1999-08-05
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-08-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-04-19

**Quad Summary:** Merced Falls (3712053), Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.51607 / -120.37534	<b>Accuracy:</b>	3/5 mile
<b>UTM:</b>	Zone-10 N4155361 E731965	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T05S, R14E, Sec. 12 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 3.5 MILES EAST OF SNELLING, MERCED HATCHERY.  
**Detailed Location:** EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "MERCED RIVER, FISH HATCHERY." MAPPED IN GENERAL VICINITY OF MERCED HATCHERY.  
**Ecological:**  
**General:** BAT(S) DETECTED ON 5 AUG 1999.  
**Owner/Manager:** UNKNOWN





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<b><i>Lasiurus blossevillii</i></b>		<b>Element Code:</b> AMACC05060	
western red bat			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, WBWG_H-High Priority		
<b>Habitat:</b>	<b>General:</b> ROOSTS PRIMARILY IN TREES, 2-40 FT ABOVE GROUND, FROM SEA LEVEL UP THROUGH MIXED CONIFER FORESTS.		
	<b>Micro:</b> PREFERS HABITAT EDGES & MOSAICS WITH TREES THAT ARE PROTECTED FROM ABOVE & OPEN BELOW WITH OPEN AREAS FOR FORAGING.		

<b>Occurrence No.</b>	21	<b>Map Index:</b> 68798	<b>EO Index:</b> 69353	<b>Element Last Seen:</b> 1999-09-16
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-09-16
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-04-23

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.80993 / -120.29944	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4188162 E737733	<b>Elevation (ft):</b>	850
<b>PLSS:</b>	T01S, R15E, Sec. 34, NE (M)	<b>Acres:</b>	0.0

**Location:** SE OF MOCCASIN, ADJACENT TO HWY 49, MOCCASIN CREEK.  
**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY 2004 REPORT. LOCALITY GIVEN AS "MOCCASIN CREEK, HWY 120."  
**Ecological:**  
**General:** INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 17 JUN (MAXIMUM # OF DETECTIOND OBTAINED BY A SINGLE DETECTOR WAS 1) AND 16 SEP (MAXIMUM 5) 1999.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	76	<b>Map Index:</b> 69006	<b>EO Index:</b> 69734	<b>Element Last Seen:</b> 1999-08-05
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-08-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-04-19

**Quad Summary:** Merced Falls (3712053), Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.51607 / -120.37534	<b>Accuracy:</b>	3/5 mile
<b>UTM:</b>	Zone-10 N4155361 E731965	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T05S, R14E, Sec. 12 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 3.5 MILES EAST OF SNELLING, MERCED HATCHERY.  
**Detailed Location:** EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "MERCED RIVER, FISH HATCHERY." MAPPED IN GENERAL VICINITY OF MERCED HATCHERY.  
**Ecological:**  
**General:** BAT(S) DETECTED ON 7 JUL AND 5 AUG 1999.  
**Owner/Manager:** UNKNOWN



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<b><i>Corynorhinus townsendii</i></b>		<b>Element Code:</b> AMACC08010	
Townsend's big-eared bat			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G3G4
	<b>State:</b> Candidate Threatened		<b>State:</b> S2
<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
<b>Habitat:</b>	<b>General:</b> THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.		
	<b>Micro:</b> ROOSTS IN THE OPEN, HANGING FROM WALLS & CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.		

<b>Occurrence No.</b>	409	<b>Map Index:</b>	13392	<b>EO Index:</b>	93463	<b>Element Last Seen:</b>	1968-12-23
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1968-12-23	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-05-12	
<b>Quad Summary:</b>	La Grange (3712064)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.66465 / -120.46270		<b>Accuracy:</b>	1 mile			
<b>UTM:</b>	Zone-10 N4171637 E723797		<b>Elevation (ft):</b>	350			
<b>PLSS:</b>	T03S, R14E, Sec. 20 (M)		<b>Acres:</b>	0.0			
<b>Location:</b>	VICINITY OF LA GRANGE, ABOUT 1.9 MI NNE OF DAWSON LAKE DAM.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN. MAPPED GENERALLY TO PROVIDED LOCALITY OF LA GRANGE.						
<b>Ecological:</b>	<b>General:</b> 1 MALE COLLECTED ON 23 DEC 1968 BY A. BECK (MVZ #174739).						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Occurrence No.</b>	560	<b>Map Index:</b>	93113	<b>EO Index:</b>	94260	<b>Element Last Seen:</b>	2010-10-20
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2010-10-20	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-08-22	
<b>Quad Summary:</b>	Merced Falls (3712053)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.52420 / -120.32709		<b>Accuracy:</b>	80 meters			
<b>UTM:</b>	Zone-10 N4156383 E736204		<b>Elevation (ft):</b>	360			
<b>PLSS:</b>	T05S, R15E, Sec. 04, SE (M)		<b>Acres:</b>	0.0			
<b>Location:</b>	ABOUT 0.2 MI NE OF MERCED FALLS DIVERSION DAM AND ABOUT 0.3 MI WSW OF HORNITOS ROAD AT LAKE MCCLURE ROAD.						
<b>Detailed Location:</b>	MAPPED TO PROVIDED LOCATION ON MAP. DETAILED LOCALITY OF MILL RUINS.						
<b>Ecological:</b>	HABITAT CONSISTED OF BUILDING RUINS ADJACENT TO A DAMMED RIVER.						
<b>General:</b>	1 BAT OBSERVED ROOSTING DURING A STUDY CONDUCTED ON 20 OCT 2010.						
<b>Owner/Manager:</b>	UNKNOWN						

<b><i>Antrozous pallidus</i></b>		<b>Element Code:</b> AMACC10010	
pallid bat			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S3
<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
<b>Habitat:</b>	<b>General:</b> DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.		



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**Micro:** ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

<b>Occurrence No.</b>	210	<b>Map Index:</b>	66546	<b>EO Index:</b>	66673	<b>Element Last Seen:</b>	1915-05-26
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1915-05-26	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2006-10-03	

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.52083 / -120.43925	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4155733 E726301	<b>Elevation (ft):</b>	260
<b>PLSS:</b>	T05S, R14E, Sec. 09 (M)	<b>Acres:</b>	0.0

**Location:** SNELLING.  
**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 402.336 M.  
**Ecological:**  
**General:** 5 FEMALES COLLECTED BY JOSEPH GRINNELL, GORDON FERRIS & TRACEY STORER MVZ #22088-22090, 22099, 22091, 14 FEMALES, 1 MALE & 13 UNKNOWNNS COLLECTED BY CHARLES CAMP, MVZ #22092-22945, 184761-184773, ON 26 MAY 1915.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	356	<b>Map Index:</b>	68800	<b>EO Index:</b>	69314	<b>Element Last Seen:</b>	1999-09-15
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1999-09-15	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-04-03	

**Quad Summary:** Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.83423 / -120.34292	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4190750 E733829	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T01S, R15E, Sec. 20 (M)	<b>Acres:</b>	0.0

**Location:** VICINITY OF DON PEDRO RESERVOIR, NEAR INTERSECTION OF HWY 120 AND JACKSONVILLE RD.  
**Detailed Location:** BRIDGE ROOST. EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCATION ONLY AS "JACKSONVILLE RD." MAPPED IN THE GENERAL VICINITY OF HIGHWAY 120 AND JACKSONVILLE RD. INCLUDES LOCALITIES "DON PEDRO" & "MOCCASIN CREEK, LAKE DON PEDRO."  
**Ecological:**  
**General:** NIGHT ROOST. BAT(S) DETECTED ACOUSTICALLY AT "MOCCASIN CREEK, LAKE DON PEDRO" ON 4 JUN 1998. 1 CAPTURED OR OBSERVED AT "DON PEDRO" AND BATS PRESENT AT "JACKSONVILLE RD" ON 15 AUG 1999.  
**Owner/Manager:** UNKNOWN



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<b>Occurrence No.</b>	363	<b>Map Index:</b> 68798	<b>EO Index:</b> 69350	<b>Element Last Seen:</b>	1999-07-14
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-07-14
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-23
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.80993 / -120.29944		<b>Accuracy:</b>	1/10 mile	
<b>UTM:</b>	Zone-10 N4188162 E737733		<b>Elevation (ft):</b>	850	
<b>PLSS:</b>	T01S, R15E, Sec. 34, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	SE OF MOCCASIN, ADJACENT TO HWY 49, MOCCASIN CREEK.				
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY 2004 REPORT ON LASIURUS BLOSSEVILLII. LOCALITY GIVEN AS "MOCCASIN CREEK, HWY 120."				
<b>Ecological:</b>					
<b>General:</b>	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 14 JUL 1999.				
<b>Owner/Manager:</b>	UNKNOWN				

<b>Occurrence No.</b>	391	<b>Map Index:</b> 69006	<b>EO Index:</b> 69736	<b>Element Last Seen:</b>	1999-08-05
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-08-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-19
<b>Quad Summary:</b>	Merced Falls (3712053), Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.51607 / -120.37534		<b>Accuracy:</b>	3/5 mile	
<b>UTM:</b>	Zone-10 N4155361 E731965		<b>Elevation (ft):</b>	300	
<b>PLSS:</b>	T05S, R14E, Sec. 12 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	ABOUT 3.5 MILES EAST OF SNELLING, MERCED HATCHERY.				
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "MERCED RIVER, FISH HATCHERY." MAPPED IN GENERAL VICINITY OF MERCED HATCHERY.				
<b>Ecological:</b>					
<b>General:</b>	BAT(S) DETECTED ON 5 AUG 1999.				
<b>Owner/Manager:</b>	UNKNOWN				

<b><i>Eumops perotis californicus</i></b>			<b>Element Code:</b> AMACD02011		
western mastiff bat					
<b>Listing Status:</b>	<b>Federal:</b> None		<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5T4	
	<b>State:</b> None			<b>State:</b> S3S4	
	<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, WBWG_H-High Priority			
<b>Habitat:</b>	<b>General:</b>	MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER & DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL ETC			
	<b>Micro:</b>	ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES & TUNNELS.			



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<b>Occurrence No.</b>	18	<b>Map Index:</b> 31659	<b>EO Index:</b> 2316	<b>Element Last Seen:</b>	1995-02-24
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1995-02-24
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2006-09-27
<b>Quad Summary:</b>	Keystone (3712075), Knights Ferry (3712076)				
<b>County Summary:</b>	Calaveras, Tuolumne				
<b>Lat/Long:</b>	37.86230 / -120.62991		<b>Accuracy:</b>	nonspecific area	
<b>UTM:</b>	Zone-10 N4193184 E708490		<b>Elevation (ft):</b>	600	
<b>PLSS:</b>	T01S, R12E, Sec. 10, E (M)		<b>Acres:</b>	107.0	
<b>Location:</b>	VICINITY OF TABLE MOUNTAIN, BOTH SIDES OF STANISLAUS RIVER.				
<b>Detailed Location:</b>	LOCATED IN THE BASALT CLIFFS OVER GOODWIN RESERVOIR AND GOODWIN DAM. MAPPED AS THREE POLYGONS ALONG THE STANISLAUS RIVER IN THE W1/2 SEC 11 AND THE E1/2 SEC 10.				
<b>Ecological:</b>	HABITAT SURROUNDING BASALT CLIFFS CONSISTS OF BLUE OAK WOODLAND AND ANNUAL GRASSLAND.				
<b>General:</b>	MULTIPLE INDIVIDUALS DETECTED 3 & 13 OCT 1994. ROOST LOCATED 20 NOV 1994. SEASON OF USE & NUMBERS OF INDIVIDUALS UNKNOWN; PROBABLY MULTIPLE ROOSTS PRESENT 24 FEB 1995.				
<b>Owner/Manager:</b>	PVT				
<b>Occurrence No.</b>	217	<b>Map Index:</b> 68798	<b>EO Index:</b> 69351	<b>Element Last Seen:</b>	1999-09-16
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-09-16
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-23
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.80993 / -120.29944		<b>Accuracy:</b>	1/10 mile	
<b>UTM:</b>	Zone-10 N4188162 E737733		<b>Elevation (ft):</b>	850	
<b>PLSS:</b>	T01S, R15E, Sec. 34, NE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	SE OF MOCCASIN, ADJACENT TO HWY 49, MOCCASIN CREEK.				
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY 2004 REPORT ON LASIURUS BLOSSEVILLII. LOCALITY GIVEN AS "MOCCASIN CREEK, HWY 120."				
<b>Ecological:</b>					
<b>General:</b>	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 14 JUL, 14 AUG AND 16 SEP 1999.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	218	<b>Map Index:</b> 68800	<b>EO Index:</b> 69352	<b>Element Last Seen:</b>	1998-06-04
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1998-06-04
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-04
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.83423 / -120.34292		<b>Accuracy:</b>	1 mile	
<b>UTM:</b>	Zone-10 N4190750 E733829		<b>Elevation (ft):</b>		
<b>PLSS:</b>	T01S, R15E, Sec. 20 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	VICINITY OF DON PEDRO RESERVOIR, NEAR INTERSECTION OF HWY 120 AND JACKSONVILLE RD.				
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCATION ONLY AS "HWY 120, MOCCASIN CREEK, LAKE DON PEDRO." MAPPED AS BEST ESTIMATE.				
<b>Ecological:</b>					
<b>General:</b>	INDIVIDUAL(S) DETECTED IN AN ACOUSTIC SURVEY ON 4 JUN 1998.				
<b>Owner/Manager:</b>	UNKNOWN				



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<b><i>Perognathus inornatus</i></b>		<b>Element Code:</b> AMAFD01060	
San Joaquin Pocket Mouse			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3
	<b>State:</b> None		<b>State:</b> S2S3
	<b>Other:</b> BLM_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> GRASSLAND, OAK SAVANNA AND ARID SCRUBLAND IN THE SOUTHERN SACRAMENTO VALLEY, SALINAS VALLEY, SAN JOAQUIN VALLEY AND ADJACENT FOOTHILLS, SOUTH TO THE MOJAVE DESERT.		
	<b>Micro:</b> ASSOCIATED WITH FINE-TEXTURED, SANDY, FRIABLE SOILS.		

<b>Occurrence No.</b>	38	<b>Map Index:</b> 13445	<b>EO Index:</b> 23927	<b>Element Last Seen:</b> 1915-05-29
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1915-05-29	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 1989-08-10	

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.52021 / -120.43852	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4155666 E726367	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T05S, R14E, Sec. 09 (M)	<b>Acres:</b>	0.0

**Location:** SNELLING.  
**Detailed Location:**  
**Ecological:**  
**General:** MVZ #22535.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	98	<b>Map Index:</b> 47687	<b>EO Index:</b> 47687	<b>Element Last Seen:</b> 2001-05-18
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 2001-05-18	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-02-02	

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.55824 / -120.39492	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159992 E730104	<b>Elevation (ft):</b>	340
<b>PLSS:</b>	T04S, R14E, Sec. 26, NE (M)	<b>Acres:</b>	0.0

**Location:** 3.6 MILES NE OF SNELLING.  
**Detailed Location:** SITE RIT05.  
**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND. SOIL TYPE: IONE. MERCED K-RAT ALSO CAPTURED AT THIS SITE.  
**General:** ONE ADULT FEMALE CAPTURED ON 18 MAY 2001. THE LARGE TRACTS OF SUITABLE UNFRAGMENTED HABITAT IN EASTERN MERCED COUNTY ARE CONSIDERED VALUABLE FOR THIS SPECIES.  
**Owner/Manager:** PVT-RICHARDS RANCH

<b><i>Dipodomys heermanni dixonii</i></b>		<b>Element Code:</b> AMAFD03062	
Merced kangaroo rat			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3G4T2T3
	<b>State:</b> None		<b>State:</b> S2S3
	<b>Other:</b>		
<b>Habitat:</b>	<b>General:</b> GRASSLAND AND SAVANNA COMMUNITIES IN EASTERN MERCED & STANISLAUS COUNTIES.		
	<b>Micro:</b> NEEDS FINE, DEEP, WELL-DRAINED SOIL FOR BURROWING. GRANIVOROUS, BUT ALSO EATS FORBS & GREEN GRASSES.		



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<b>Occurrence No.</b>	5	<b>Map Index:</b> 13445	<b>EO Index:</b> 23914	<b>Element Last Seen:</b> 1915-01-09
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1915-01-09
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-05-09

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.52021 / -120.43852	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4155666 E726367	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T05S, R14E, Sec. 09, N (M)	<b>Acres:</b>	0.0

**Location:** SNELLING.

**Detailed Location:**

**Ecological:**

**General:** 5 MALE AND 3 FEMALE SPECIMENS (MVZ #21839, 21841-21847) COLLECTED BY CHARLES L. CAMP ON 6-7 & 9 JAN 1915.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	6	<b>Map Index:</b> 13392	<b>EO Index:</b> 5627	<b>Element Last Seen:</b> 1915-12-19
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1915-12-19
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-05-09

**Quad Summary:** La Grange (3712064)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.66465 / -120.46270	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4171637 E723797	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T03S, R14E, Sec. 20, NW (M)	<b>Acres:</b>	0.0

**Location:** LA GRANGE.

**Detailed Location:**

**Ecological:**

**General:** 2 MALE SPECIMENS (MVZ #23611-23612) COLLECTED BY JOSEPH S. DIXON ON 16 & 19 DEC 1915. 1 MALE SPECIMEN (MVZ #23613) COLLECTED BY F.H. HOLDEN AND JOSEPH S. DIXON ON 18 DEC 1915.

**Owner/Manager:** UNKNOWN





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<b>Occurrence No.</b>	18	<b>Map Index:</b> 47715	<b>EO Index:</b> 47715	<b>Element Last Seen:</b>	2004-05-06
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2004-05-06
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-05-09

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54685 / -120.36103	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4158812 E733134	<b>Elevation (ft):</b>	375
<b>PLSS:</b>	T04S, R15E, Sec. 31, NE (M)	<b>Acres:</b>	0.0

**Location:** 0.2 MILE NW OF KELSEY RESERVOIR, 2.3 MILES NW OF MERCED FALLS.

**Detailed Location:** SITE KET03. MAPPED ON W EDGE OF NE 1/4 SECT 31. LOCATION FROM FIELD SURVEY FORM LIES APPROX 120 M EAST OF LOCATION FROM DIGITAL DATA. STATED AS ALONG ROAD AND SO MAPPED ACCORDING TO FIELD SURVEY FORM. INCLUDES LAT/LONG COORDS FROM MANIS.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND. SOIL TYPE: MARIPOSA.

**General:** 3 ADULT FEMALES & 7 ADULT MALES CAPTURED ALONG DIRT ROAD 15 MAY 2001. THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS CRITICAL TO THE CONSERVATION OF THIS SPECIES. 2 MALE AND 5 FEMALE SPECIMENS (MVZ #207397-207403) COLLECTED 5-6 MAY 2004.

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	19	<b>Map Index:</b> 47687	<b>EO Index:</b> 47716	<b>Element Last Seen:</b>	2001-05-18
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-05-18
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55824 / -120.39492	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159992 E730104	<b>Elevation (ft):</b>	340
<b>PLSS:</b>	T04S, R14E, Sec. 26, NE (M)	<b>Acres:</b>	0.0

**Location:** 3.6 MILES NE OF SNELLING.

**Detailed Location:** SITE RIT05.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND. SOIL TYPE: IONE. SAN JOAQUIN POCKET MOUSE ALSO CAPTURED AT THIS SITE.

**General:** ONE ADULT FEMALE CAPTURED ON 18 MAY 2001. THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS CRITICAL TO THE CONSERVATION OF THIS SPECIES.

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	20	<b>Map Index:</b> 47717	<b>EO Index:</b> 47717	<b>Element Last Seen:</b>	2001-05-22
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-05-22
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-06
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.54121 / -120.37404		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4158154 E732002		<b>Elevation (ft):</b>	415	
<b>PLSS:</b>	T04S, R14E, Sec. 36, SE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	0.8 MILE WEST OF KELSEY RESERVOIR, 2.7 MILES ENE OF MERCED FALLS.				
<b>Detailed Location:</b>	SITE KET12. LOCATION MAPPED IN THE NE 1/4 OF THE SE 1/4 SECTION 36.				
<b>Ecological:</b>	HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND. SOIL TYPE: IONE.				
<b>General:</b>	ONE ADULT FEMALE AND ONE ADULT MALE CAPTURED ALONG DIRT ROAD ON 22 MAY 2001. THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS CRITICAL TO THE CONSERVATION OF THIS SPECIES.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	21	<b>Map Index:</b> 47718	<b>EO Index:</b> 47718	<b>Element Last Seen:</b>	2001-05-22
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-05-22
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-02
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.55683 / -120.34731		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4159954 E734315		<b>Elevation (ft):</b>	414	
<b>PLSS:</b>	T04S, R15E, Sec. 29, SW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	0.9 MILE NNE OF KELSEY RESERVOIR, 2.5 MILES NNE OF MERCED FALLS.				
<b>Detailed Location:</b>	SITE KET09.				
<b>Ecological:</b>	HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND. SOIL TYPE: MARIPOSA.				
<b>General:</b>	3 ADULT FEMALES, 2 ADULT MALES, AND 1 JUVENILE CAPTURED ALONG A DIRT ROAD ON 22 MAY 2001. THE EASTERN MERCED COUNTY REGIONAL STUDY AREA IS CRITICAL TO THE CONSERVATION OF THIS SPECIES.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	22	<b>Map Index:</b> 69702	<b>EO Index:</b> 68268	<b>Element Last Seen:</b>	2006-03-31
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2006-03-31
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-01
<b>Quad Summary:</b>	La Grange (3712064)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.66809 / -120.40554		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4172157 E728829		<b>Elevation (ft):</b>	600	
<b>PLSS:</b>	T03S, R14E, Sec. 14, SE (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	GASBURG CREEK BANK. ALONG DUNN CREEK, 3 MILES DIRECTLY EAST OF LA GRANGE.				
<b>Detailed Location:</b>	LOCATION MAPPED USING GPS COORDINATES GIVEN.				
<b>Ecological:</b>	HABITAT CONSISTS OF A RIPARIAN PLANT COMMUNITY.				
<b>General:</b>	IDENTIFIED BY SCAT, TRACKS, AND BURROW ON 31 MAR 2006. SWAINSON'S HAWK ALSO SEEN ON SITE.				
<b>Owner/Manager:</b>	UNKNOWN				



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<b>Occurrence No.</b>	23	<b>Map Index:</b> 69213	<b>EO Index:</b> 69992	<b>Element Last Seen:</b> 1915-05-28
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1915-05-28
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-05-09

**Quad Summary:** Haystack Mtn. (3712043), Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.50196 / -120.32945	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-10 N4153909 E736065	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T05S, R15E, Sec. 16 (M)	<b>Acres:</b>	0.0

**Location:** SSW OF INTERSECTION OF MERCED RIVER AND MARIPOSA/MERCED COUNTY LINE, 1.5 MILES SOUTH OF MERCED FALLS.

**Detailed Location:** MAPPED ACCORDING TO LOCATION DESCRIPTION AND LAT/LONG COORDINATES WITH UNCERTAINTY OF 4828.032 M (3 MI) PROVIDED BY MANIS.

**Ecological:**

**General:** 1 FEMALE SPECIMEN (MVZ #22541) COLLECTED BY CHARLES L. CAMP ON 28 MAY 1915.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	24	<b>Map Index:</b> 43378	<b>EO Index:</b> 69993	<b>Element Last Seen:</b> 1915-01-09
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1915-01-09
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2007-05-09

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.59165 / -120.43838	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4163594 E726164	<b>Elevation (ft):</b>	320
<b>PLSS:</b>	T04S, R14E, Sec. 16 (M)	<b>Acres:</b>	0.0

**Location:** 5 MILES NORTH OF SNELLING.

**Detailed Location:** MAPPED ACCORDING TO LOCATION DESCRIPTION AND LAT/LONG COORDINATES WITH UNCERTAINTY OF 2011.68 M (1.25 MI) PROVIDED BY MANIS.

**Ecological:**

**General:** 1 MALE AND 3 FEMALE SPECIMENS (MVZ #21840, 21848-21850) COLLECTED BY CHARLES L. CAMP AND JOSEPH GRINNELL ON 7 AND 9 JAN 1915.

**Owner/Manager:** UNKNOWN



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***Vulpes macrotis mutica***

**Element Code:** AMAJA03041

San Joaquin kit fox

<b>Listing Status:</b>	<b>Federal:</b> Endangered	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4T2
	<b>State:</b> Threatened		<b>State:</b> S2
	<b>Other:</b>		

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

<b>Occurrence No.</b>	192	<b>Map Index:</b>	55676	<b>EO Index:</b>	55676	<b>Element Last Seen:</b>	1973-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1973-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-08-22	

**Quad Summary:** La Grange (3712064)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.65603 / -120.46715	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4170670 E723430	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T03S, R14E, Sec. 19, SE (M)	<b>Acres:</b>	160.9

**Location:** ABOUT 0.75 MI SOUTH OF LA GRANGE. SOUTH OF SR 132. NORTHEAST OF DAWSON LAKE. COUNTY OHV RECREATION SITE.

**Detailed Location:** THIS SIGHTING WAS PUBLISHED IN AN APPENDIX LETTER FOR COUNTY TRANSPORTATION PLAN - EIR IN 1974 OR 1975.

**Ecological:** MOSTLY ANNUAL GRASSES AND FORBS, SITE WAS DREDGED IN PAST AND BOULDERS AND GRAVEL WERE HAULED OFF TO CONSTRUCTION SITES. THE SITE WAS USED FOR CATTLE GRAZING WHEN THE SIGHTING OCCURRED IN 1972, NOW AN OHV SITE.

**General:** 8/9/1972: ONE INDIVIDUAL OF UNKNOWN AGE SIGHTED. TWO SIGHTED IN 1973 BY DAN WILLIAMS.

**Owner/Manager:** UNKNOWN



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<b><i>Taxidea taxus</i></b>		<b>Element Code:</b> AMAJF04010	
American badger			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern		
<b>Habitat:</b>	<b>General:</b> MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.		
	<b>Micro:</b> NEEDS SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.		

<b>Occurrence No.</b>	324	<b>Map Index:</b>	57690	<b>EO Index:</b>	57706	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			XXXX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2004-10-26

**Quad Summary:** Snelling (3712054), La Grange (3712064)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.63479 / -120.46217	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4168325 E723933	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T03S, R14E, Sec. 32 (M)	<b>Acres:</b>	0.0

**Location:** 2 MILES SOUTH OF LA GRANGE.  
**Detailed Location:** LOCATION MAPPED IN VICINITY OF EVANS CREEK, SE OF DAWSON LAKE.  
**Ecological:**  
**General:** 1 COLLECTED, CSCS (CALIF STATE UNIV, STANISLAUS).  
**Owner/Manager:** UNKNOWN

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



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<b>Occurrence No.</b>	52	<b>Map Index:</b> 32808	<b>EO Index:</b> 12429	<b>Element Last Seen:</b>	1988-08-14
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1988-08-14
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1996-02-22
<b>Quad Summary:</b>	Moccasin (3712073)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.78990 / -120.27962		<b>Accuracy:</b>	1/5 mile	
<b>UTM:</b>	Zone-10 N4185990 E739544		<b>Elevation (ft):</b>	1060	
<b>PLSS:</b>	T02S, R15E, Sec. 02 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	MOCCASIN CREEK, 2.5 MILES SOUTH OF HIGHWAY 120 ON HIGHWAY 49.				
<b>Detailed Location:</b>					
<b>Ecological:</b>					
<b>General:</b>	14 CAPTURED, 11 RELEASED & 3 RETAINED BY D.C. HOLLAND ON 14 AUGUST 1988.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	54	<b>Map Index:</b> 32810	<b>EO Index:</b> 1894	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	XXXX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1996-02-23
<b>Quad Summary:</b>	Penon Blanco Peak (3712063)				
<b>County Summary:</b>	Mariposa				
<b>Lat/Long:</b>	37.71025 / -120.33322		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4177015 E735075		<b>Elevation (ft):</b>	1110	
<b>PLSS:</b>	T03S, R15E, Sec. 04 (M)		<b>Acres:</b>	338.2	
<b>Location:</b>	PINEY CREEK, NORTH OF LAKE MCCLURE AND EAST OF DON PEDRO RESERVOIR.				
<b>Detailed Location:</b>					
<b>Ecological:</b>					
<b>General:</b>	DFG COLLECTED TURTLES NORTH AND SOUTH OF HIGHWAY 132 ON PINEY CREEK. DATE UNKNOWN.				
<b>Owner/Manager:</b>	UNKNOWN				
<b>Occurrence No.</b>	197	<b>Map Index:</b> 47876	<b>EO Index:</b> 47876	<b>Element Last Seen:</b>	2001-05-02
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-05-02
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-15
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.58182 / -120.36564		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4162682 E732617		<b>Elevation (ft):</b>	400	
<b>PLSS:</b>	T04S, R15E, Sec. 18, SW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	DRY CREEK, 5 MILES WEST OF LAKE MCCLURE.				
<b>Detailed Location:</b>	SITE ID: KELA04. LOCATION MAPPED IN THE SE 1/4 OF THE SW 1/4 SECTION 18. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A SHALLOW, SLOW-MOVING CREEK WITH SMALL POOLS. THIS SITE HAS MUCH VEGETATION COVERAGE AND SOME BASKING SITES. SURROUNDING AREA IS GRAZED BY CATTLE.				
<b>General:</b>	1 SUBADULT (3" CARAPACE) OBSERVED ON 2 MAY 2001.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				



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<b>Occurrence No.</b>	198	<b>Map Index:</b> 47878	<b>EO Index:</b> 47878	<b>Element Last Seen:</b>	2001-05-02
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-05-02
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-15
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.55562 / -120.36864		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4159766 E732433		<b>Elevation (ft):</b>	460	
<b>PLSS:</b>	T04S, R15E, Sec. 30, SW (M)		<b>Acres:</b>	16.0	
<b>Location:</b>	SOUTH FORK DRY CREEK, 5 MILES WEST OF LAKE MCCLURE.				
<b>Detailed Location:</b>	SITE ID: KELA03. LOCATION MAPPED IN THE NW 1/4 OF THE SW 1/4 SECTION 30. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A SHALLOW, SLOW-MOVING CREEK WITH SMALL POOLS. THERE IS AN ABUNDANCE OF COVER AND BASKING SITES AT THIS LOCATION. SURROUNDING AREA IS GRAZED BY CATTLE.				
<b>General:</b>	2 ADULTS (6" CARAPACE) OBSERVED ON 2 MAY 2001.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	324	<b>Map Index:</b> 67880	<b>EO Index:</b> 68029	<b>Element Last Seen:</b>	2001-06-13
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-06-13
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-02-15
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.52870 / -120.35170		<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4156821 E734015		<b>Elevation (ft):</b>	376	
<b>PLSS:</b>	T05S, R15E, Sec. 05, NW (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	0.6 MILE SOUTH OF THE SOUTH END OF KELSEY RESERVOIR, 1.2 MILES WNW OF MERCED FALLS, NORTHEASTERN MERCED COUNTY.				
<b>Detailed Location:</b>	SITE ID: KELA13. LOCATION MAPPED IN THE SE 1/4 OF THE NW 1/4 SECTION 5. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A SERIES OF POOLS ALONG A DRAINAGE. THERE ARE MODERATE AMOUNTS OF COVER AND BASKING SITES AT THIS LOCATION.				
<b>General:</b>	UNKNOWN NUMBER OBSERVED ON 13 JUNE DURING THE 2001 AQUATIC REPTILE STREAM SURVEYS.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				





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<b>Occurrence No.</b>	505	<b>Map Index:</b>	38604	<b>EO Index:</b>	33611	<b>Element Last Seen:</b>	1997-06-12
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1997-06-12	<b>Record Last Updated:</b>	1998-04-13
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown				
<b>Quad Summary:</b>	Keystone (3712075)						
<b>County Summary:</b>	Tuolumne						
<b>Lat/Long:</b>	37.86506 / -120.53549			<b>Accuracy:</b>	specific area		
<b>UTM:</b>	Zone-10 N4193706 E716789			<b>Elevation (ft):</b>	600		
<b>PLSS:</b>	T01S, R13E, Sec. 10, NW (M)			<b>Acres:</b>	24.7		
<b>Location:</b>	GREEN SPRING RUN, 0.5 MILE UPSTREAM FROM THE MOUNTAIN PASS CREEK CONFLUENCE, SW OF SONORA.						
<b>Detailed Location:</b>							
<b>Ecological:</b>	HABITAT CONSISTS OF GRAZED RIPARIAN. RIPARIAN IN POOR CONDITION; VEGETATION IS SCANT AND DOMINATED BY WOODY SPECIES/NON-NATIVES. STREAM RUNS DRY IN SECTIONS DUE TO LACK OF RIPARIAN VEGETATION.						
<b>General:</b>	1 ADULT POND TURTLE OBSERVED ON 12 JUNE 1997.						
<b>Owner/Manager:</b>	BLM						

<b><i>Branchinecta lynchi</i></b>		<b>Element Code:</b> ICBRA03030					
vernal pool fairy shrimp							
<b>Listing Status:</b>	<b>Federal:</b>	Threatened	<b>CNDDDB Element Ranks:</b>	<b>Global:</b>	G3		
	<b>State:</b>	None		<b>State:</b>	S3		
	<b>Other:</b>	IUCN_VU-Vulnerable					
<b>Habitat:</b>	<b>General:</b>	ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.					
	<b>Micro:</b>	INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.					

<b>Occurrence No.</b>	174	<b>Map Index:</b>	33704	<b>EO Index:</b>	30643	<b>Element Last Seen:</b>	1986-10-05
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1986-10-05	<b>Record Last Updated:</b>	1997-03-11
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown				
<b>Quad Summary:</b>	Turlock Lake (3712055), Montpelier (3712056)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.58734 / -120.63655			<b>Accuracy:</b>	3/5 mile		
<b>UTM:</b>	Zone-10 N4162657 E708677			<b>Elevation (ft):</b>	200		
<b>PLSS:</b>	T04S, R12E, Sec. 15 (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 2.5 MILES NNE OF THE INTERSECTION OF KEYES ROAD AND HAWKINS ROAD, JUST SOUTH OF THE HICKMAN VERNAL POOLS.						
<b>Detailed Location:</b>	SEASONAL WETLANDS LOCATED SOMEWHERE IN SECTION 15.						
<b>Ecological:</b>	NATURAL SEASONAL WETLANDS.						
<b>General:</b>	B. LYNCHI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #6. LEPIDURUS PACKARDI ALSO OBSERVED.						
<b>Owner/Manager:</b>	UNKNOWN						



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<b>Occurrence No.</b>	233	<b>Map Index:</b> 42544	<b>EO Index:</b> 42544	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-04-04

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54552 / -120.35862	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4158670 E733351	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T04S, R15E, Sec. 31, N (M)	<b>Acres:</b>	21.0

**Location:** NORTH TO NORTHWEST OF KELSEY RESERVOIR, 2.3 MILES NW OF MERCED FALLS.

**Detailed Location:** 1999, 2000: VERNAL POOL LOCATED AT SW INTERSECTION OF 2 DIRT ROADS AT EXTREME NW CORNER OF KELSEY RESERVOIR. 2001: POOL ID: KEL18.1, KEL18.2, KEL18.3, KEL24.1, KEL24.2. MAPPED PRIMARILY IN THE NE PORTION OF SECTION 31. DIGITAL DATA USED.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS.

**General:** OBSERVED DURING SAMPLING ON MARCH 10, 1999. 20 ADULTS OBSERVED APRIL 5, 2000. OBSERVED DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	285	<b>Map Index:</b> 43745	<b>EO Index:</b> 43745	<b>Element Last Seen:</b>	2000-04-02
<b>Occ. Rank:</b>	Good		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2000-04-02
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2000-09-14

**Quad Summary:** Merced Falls (3712053), Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55253 / -120.37545	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159406 E731842	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 25, SE (M)	<b>Acres:</b>	0.0

**Location:** KELSEY RANCH, 1 MILE WNW OF KELSEY RESERVOIR, 2.6 MILES NORTH OF SNELLING DIVERSION DAM.

**Detailed Location:** 40' X 20' VERNAL POOL 50' NORTH OF DIRT ROAD JUST EAST OF FENCE LINE.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL; SURROUNDING LAND USE IS GRAZING (SURVEYORS NOTE THAT LAND APPEARS WELL MANAGED).

**General:** OBSERVED 5 ADULTS WHILE DIPNETTING POOL ON 2 APR 2000.

**Owner/Manager:** PVT



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<b>Occurrence No.</b>	430	<b>Map Index:</b> 68754	<b>EO Index:</b> 69237	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56150 / -120.41799	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160298 E728055	<b>Elevation (ft):</b>	290
<b>PLSS:</b>	T04S, R14E, Sec. 27, NW (M)	<b>Acres:</b>	0.0

**Location:** 0.5 MILE SOUTHEAST THE INTERSECTION OF HIGHWAY 59 AND FIELDS ROAD, 3 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC02.3. MAPPED CENTRALLY WITHIN THE EAST PART OF THE NORTHWEST PORTION OF SECTION 27. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN 1 VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	431	<b>Map Index:</b> 68755	<b>EO Index:</b> 69238	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56126 / -120.40913	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4160293 E728839	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T04S, R14E, Sec. 27, NE (M)	<b>Acres:</b>	6.0

**Location:** 0.9 MILE EAST OF HIGHWAY 59 AND 0.25 MILE SOUTH OF FIELDS ROAD, 3.2 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC03.2, RIC03.3. MAPPED CENTRALLY WITHIN THE NORTHEAST PORTION OF SECTION 27. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	432	<b>Map Index:</b> 68756	<b>EO Index:</b> 69239	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56493 / -120.40507	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160710 E729186	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 26, N (M)	<b>Acres:</b>	0.0

**Location:** ALONG FIELDS ROAD, 1.1 MILES EAST OF HIGHWAY 59, 3.5 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC05.4. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	433	<b>Map Index:</b> 68757	<b>EO Index:</b> 69240	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56346 / -120.39869	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160562 E729754	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 26, N (M)	<b>Acres:</b>	0.0

**Location:** 1.4 MILES EAST OF HIGHWAY 59 AND 0.1 MILE SOUTH OF FIELDS ROAD, 3.6 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC04.1. MAPPED CENTRALLY IN THE NORTH PART OF THE NORTH PORTION OF SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	434	<b>Map Index:</b>	68758	<b>EO Index:</b>	69241	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-06-20	

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56358 / -120.39171	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4160593 E730371	<b>Elevation (ft):</b>	373
<b>PLSS:</b>	T04S, R14E, Sec. 26, NE (M)	<b>Acres:</b>	0.0

**Location:** 1.9 MILES EAST OF HIGHWAY 59 AND 0.1 MILE SOUTH OF FIELDS ROAD, 3.8 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC06.3. MAPPED IN THE NE 1/4 OF THE NE 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	435	<b>Map Index:</b>	68761	<b>EO Index:</b>	69242	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-06-20	

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56068 / -120.38201	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4160295 E731236	<b>Elevation (ft):</b>	330
<b>PLSS:</b>	T04S, R14E, Sec. 25, NW (M)	<b>Acres:</b>	21.0

**Location:** 2.4 MILES EAST OF HIGHWAY 59 AND 0.3 - 0.7 MILE SOUTHEAST END OF FIELDS ROAD, 4 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: RIC08.1, RIC08.3, RIC08.4, KEL08.2, KEL08.3, KEL08.4, KEL 09.2, KEL09.3, KEL09.4. MAPPED ALONG CREEK - PRIMARILY IN THE NORTHWEST 1/4 SECTION 25. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS & KELSEY RANCH



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<b>Occurrence No.</b>	436	<b>Map Index:</b> 68762	<b>EO Index:</b> 69246	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55494 / -120.37029	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4159688 E732290	<b>Elevation (ft):</b>	360
<b>PLSS:</b>	T04S, R15E, Sec. 30, SW (M)	<b>Acres:</b>	12.0

**Location:** 3.1 MILES EAST OF HIGHWAY 59 AND 1.2 - 1.35 MILE SOUTHEAST END OF FIELDS ROAD, 4.4 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: KEL11.1, KEL11.2, KEL11.3, KEL11.4. MAPPED PRIMARILY IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 SECTION 30. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	437	<b>Map Index:</b> 68763	<b>EO Index:</b> 69248	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Merced Falls (3712053), Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54857 / -120.37626	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4158965 E731783	<b>Elevation (ft):</b>	370
<b>PLSS:</b>	T04S, R14E, Sec. 36, NE (M)	<b>Acres:</b>	0.0

**Location:** 2.7 MILES EAST OF HIGHWAY 59 AND 1.3 MILES SSE THE END OF FIELDS ROAD, 3.8 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: KEL20.4. MAPPED IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 SECTION 36. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL.

**General:** SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Occurrence No.</b>	438	<b>Map Index:</b> 69711	<b>EO Index:</b> 69247	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-29
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.55146 / -120.38155		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4159273 E731306		<b>Elevation (ft):</b>	365	
<b>PLSS:</b>	T04S, R14E, Sec. 25, SW (M)		<b>Acres:</b>	7.0	
<b>Location:</b>	2.4 MILES EAST OF HIGHWAY 59 AND 1 MILE SSE THE END OF FIELDS ROAD, 3.7 MILES NORTHEAST OF SNELLING.				
<b>Detailed Location:</b>	POOL ID: KEL21.4. MAPPED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 SECTION 25. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	439	<b>Map Index:</b> 68793	<b>EO Index:</b> 69249	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.55213 / -120.39464		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4159316 E730147		<b>Elevation (ft):</b>	330	
<b>PLSS:</b>	T04S, R14E, Sec. 26, SE (M)		<b>Acres:</b>	9.0	
<b>Location:</b>	1.7 MILES EAST OF HIGHWAY 59 AND 0.9 MILE SOUTH OF FIELDS ROAD, 3.2 MILES NE OF SNELLING.				
<b>Detailed Location:</b>	POOL ID: RIC18.1 & RIC18.4. MAPPED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF VERNAL POOLS.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-RICHARDS RANCH				



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<b>Occurrence No.</b>	440	<b>Map Index:</b> 68795	<b>EO Index:</b> 69304	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.54748 / -120.39354		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4158802 E730259		<b>Elevation (ft):</b>	350	
<b>PLSS:</b>	T04S, R14E, Sec. 35, NE (M)		<b>Acres:</b>	12.0	
<b>Location:</b>	1.8 MILES EAST OF HIGHWAY 59 AND 1.2 MILES SOUTH OF FIELDS ROAD, 3 MILES NE OF SNELLING.				
<b>Detailed Location:</b>	POOL IDS: RIC20.2, RIC20.3, RIC20.4 & RIC21.2. MAPPED PRIMARILY IN THE NE 1/4 OF THE NE 1/4 SECTION 35. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-RICHARDS RANCH				
<b>Occurrence No.</b>	441	<b>Map Index:</b> 68796	<b>EO Index:</b> 69306	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.54906 / -120.40049		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4158961 E729640		<b>Elevation (ft):</b>	320	
<b>PLSS:</b>	T04S, R14E, Sec. 35, NW (M)		<b>Acres:</b>	7.0	
<b>Location:</b>	1.4 MILES EAST OF HIGHWAY 59 AND 1.1 MILES SOUTH OF FIELDS ROAD, 2.8 MILES NE OF SNELLING.				
<b>Detailed Location:</b>	POOL IDS: RIC19.1, RIC19.2 & RIC19.3. MAPPED IN THE NE 1/4 OF THE NW 1/4 SECTION 35. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF VERNAL POOLS.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-RICHARDS RANCH				





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<b>Occurrence No.</b>	442	<b>Map Index:</b> 68797	<b>EO Index:</b> 69307	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55474 / -120.40365	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4159583 E729344	<b>Elevation (ft):</b>	320
<b>PLSS:</b>	T04S, R14E, Sec. 26, SW (M)	<b>Acres:</b>	18.0

**Location:** 1.2 MILES EAST OF HIGHWAY 59 AND 0.7 MILE SOUTH OF FIELDS ROAD, 3 MILES NE OF SNELLING.

**Detailed Location:** POOL IDS: RIC16.1, RIC16.3, RIC17.1, RIC17.2 & RIC17.4. MAPPED IN THE NORTH PORTION OF THE SW 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	443	<b>Map Index:</b> 68799	<b>EO Index:</b> 69310	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-06-20

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54480 / -120.41263	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4158458 E728581	<b>Elevation (ft):</b>	312
<b>PLSS:</b>	T04S, R14E, Sec. 34, E (M)	<b>Acres:</b>	13.0

**Location:** 0.75 MILE EAST OF HIGHWAY 59 AND 1.5 MILES SOUTH OF FIELDS ROAD, 2.1 MILES NE OF SNELLING.

**Detailed Location:** POOL IDS: RIC11.3, RIC11.4, RIC12.1 & RIC12.2. MAPPED IN THE SW 1/4 OF THE NE 1/4 AND THE NW 1/4 OF THE SE 1/4 SECTION 34. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	444	<b>Map Index:</b>	68803	<b>EO Index:</b>	69315	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-06-20	
<b>Quad Summary:</b>	Snelling (3712054)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.53046 / -120.38352	<b>Accuracy:</b>	specific area				
<b>UTM:</b>	Zone-10 N4156938 E731197	<b>Elevation (ft):</b>	343				
<b>PLSS:</b>	T05S, R14E, Sec. 01, NE (M)	<b>Acres:</b>	7.0				
<b>Location:</b>	1.3 MILES NNW OF THE SNELLING DIVERSION DAM AND 1.6 MILES WSW OF KELSEY RESERVOIR, 3 MILES ENE OF SNELLING.						
<b>Detailed Location:</b>	POOL IDS: KEL41.1, KEL41.2 & KEL41.4. MAPPED IN THE SW 1/4 OF THE NE 1/4 SECTION 1. LOCATION MAPPED USING DIGITAL DATA.						
<b>Ecological:</b>	HABITAT CONSISTS OF VERNAL POOLS.						
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.						
<b>Owner/Manager:</b>	PVT-KELSEY RANCH						
<b>Occurrence No.</b>	445	<b>Map Index:</b>	68808	<b>EO Index:</b>	69323	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-06-20	
<b>Quad Summary:</b>	Snelling (3712054)						
<b>County Summary:</b>	Merced						
<b>Lat/Long:</b>	37.53940 / -120.38078	<b>Accuracy:</b>	specific area				
<b>UTM:</b>	Zone-10 N4157937 E731412	<b>Elevation (ft):</b>	450				
<b>PLSS:</b>	T04S, R14E, Sec. 36, SW (M)	<b>Acres:</b>	13.0				
<b>Location:</b>	1.8 MILES NNW OF THE SNELLING DIVERSION DAM AND 1.5 MILES WEST OF KELSEY RESERVOIR, 3.3 MILES ENE OF SNELLING.						
<b>Detailed Location:</b>	POOL IDS: KEL35.1, KEL35.2, KEL37.1, KEL37.2, KEL37.3 & KEL37.4. MAPPED PRIMARILY IN THE SW 1/4 OF SECTION 36. LOCATION MAPPED USING DIGITAL DATA.						
<b>Ecological:</b>	HABITAT CONSISTS OF VERNAL POOLS.						
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.						
<b>Owner/Manager:</b>	PVT-KELSEY RANCH						



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<b>Occurrence No.</b>	446	<b>Map Index:</b> 69712	<b>EO Index:</b> 69329	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-29
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.53902 / -120.36934		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4157923 E732423		<b>Elevation (ft):</b>	380	
<b>PLSS:</b>	T04S, R15E, Sec. 31, SW (M)		<b>Acres:</b>	7.0	
<b>Location:</b>	1.7 MILES NORTH OF THE SNELLING DIVERSION DAM AND 0.7 MILE WEST OF KELSEY RESERVOIR, 3.9 MILES ENE OF SNELLING.				
<b>Detailed Location:</b>	POOL ID: KEL34.4. MAPPED IN THE SW 1/4 OF THE SW 1/4 SECTION 31. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				
<b>Occurrence No.</b>	447	<b>Map Index:</b> 69713	<b>EO Index:</b> 69326	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Excellent		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-29
<b>Quad Summary:</b>	Merced Falls (3712053)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.54159 / -120.36487		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4158219 E732810		<b>Elevation (ft):</b>	400	
<b>PLSS:</b>	T04S, R15E, Sec. 31, SW (M)		<b>Acres:</b>	7.0	
<b>Location:</b>	1.9 MILES NORTH OF THE SNELLING DIVERSION DAM AND 0.4 MILE WEST OF KELSEY RESERVOIR, 4.2 MILES ENE OF SNELLING.				
<b>Detailed Location:</b>	POOL ID: KEL33.3. MAPPED IN THE NE 1/4 OF THE SW 1/4 SECTION 31. LOCATION MAPPED USING DIGITAL DATA.				
<b>Ecological:</b>	HABITAT CONSISTS OF A VERNAL POOL.				
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOL DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY STUDY AREA PROVIDES EXCELLENT HABITAT FOR THE SPECIES. HABITAT DIVERSE DUE TO THE VARIED FORMATIONS AND LANDFORMS. FEW AREAS LIKE THIS LEFT IN CALIFORNIA.				
<b>Owner/Manager:</b>	PVT-KELSEY RANCH				



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<b>Occurrence No.</b>	798	<b>Map Index:</b> 93981	<b>EO Index:</b> 95118	<b>Element Last Seen:</b>	2009-03-10
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2009-03-10
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2014-09-29
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.60691 / -120.46031		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4165235 E724181		<b>Elevation (ft):</b>	320	
<b>PLSS:</b>	T04S, R14E, Sec. 08, NW (M)		<b>Acres:</b>	10.0	
<b>Location:</b>	0.6 MILE WSW OF LA GRANGE ROAD (ROAD J-59) AT THE STANISLAUS/MERCED COUNTY LINE, SOUTH OF LA GRANGE.				
<b>Detailed Location:</b>	MAPPED TO POOL LOCATIONS FROM PROVIDED SHAPEFILE.				
<b>Ecological:</b>	TWO NATURAL VERNAL POOLS 10 AND 11 INCHES DEEP AT TIME OF SURVEY. CALIFORNIA TIGER SALAMANDER CO-OCCURRED IN BOTH POOLS.				
<b>General:</b>	DETECTED IN 1 POOL ON 5 MAR 2008. DETECTED IN 1 POOL ON 10 MAR 2009.				
<b>Owner/Manager:</b>	PVT				
<b>Occurrence No.</b>	801	<b>Map Index:</b> 94011	<b>EO Index:</b> 95144	<b>Element Last Seen:</b>	2009-03-10
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2009-03-10
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2014-09-30
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.58936 / -120.45493		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4163301 E724708		<b>Elevation (ft):</b>	300	
<b>PLSS:</b>	T04S, R14E, Sec. 17 (M)		<b>Acres:</b>	66.0	
<b>Location:</b>	0.8 TO 1.9 MILES SOUTH OF LA GRANGE RD AT THE STANISLAUS/MERCED COUNTY LINE, SOUTH OF LA GRANGE.				
<b>Detailed Location:</b>	MAPPED TO PROVIDED SHAPEFILE.				
<b>Ecological:</b>	1 ENHANCED AND 11 NATURAL VERNAL POOLS, FROM 5 TO 8 INCHES DEEP AT THE TIME OF SURVEY.				
<b>General:</b>	FOUND IN 1 POOL ON 5 MAR 2008. FOUND IN 2 POOLS ON 4 MAR AND 9 POOLS ON 10 MAR 2009.				
<b>Owner/Manager:</b>	PVT				
<b>Occurrence No.</b>	802	<b>Map Index:</b> 94012	<b>EO Index:</b> 95145	<b>Element Last Seen:</b>	2008-03-05
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2008-03-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2014-09-30
<b>Quad Summary:</b>	Snelling (3712054)				
<b>County Summary:</b>	Merced				
<b>Lat/Long:</b>	37.59217 / -120.42129		<b>Accuracy:</b>	specific area	
<b>UTM:</b>	Zone-10 N4163694 E727670		<b>Elevation (ft):</b>	300	
<b>PLSS:</b>	T04S, R14E, Sec. 15, NW (M)		<b>Acres:</b>	17.0	
<b>Location:</b>	0.9 MILE NNE OF LA GRANGE RD AT DRY CREEK & 2 MILES SE OF LA GRANGE RD AT STANISLAUS/MERCED COUNTY LINE, S OF LA GRANGE.				
<b>Detailed Location:</b>	MAPPED TO PROVIDED SHAPEFILE.				
<b>Ecological:</b>	NATURAL VERNAL POOLS, FROM 8 TO 15 INCHES DEEP AT TIME OF SURVEY, WITH 11-50% VEGETATIVE COVER.				
<b>General:</b>	DETECTED IN 5 POOLS ON 5 MAR 2008.				
<b>Owner/Manager:</b>	PVT				



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

<b>Occurrence No.</b>	270	<b>Map Index:</b> 69704	<b>EO Index:</b> 70489	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-01

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.55730 / -120.41527	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4159839 E728309	<b>Elevation (ft):</b>	320
<b>PLSS:</b>	T04S, R14E, Sec. 27, SE (M)	<b>Acres:</b>	0.0

**Location:** 0.75 MILE SOUTHEAST OF THE INTERSECTION OF FIELDS ROAD AND HIGHWAY 59, 2.8 MILES NNE OF SNELLING.  
**Detailed Location:** POOL ID: RIC01.1. MAPPED IN THE NE 1/4 OF THE SE 1/4 SECTION 27. LOCATION MAPPED USING DIGITAL DATA.  
**Ecological:** HABITAT CONSISTS OF A POOL.  
**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."  
**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	271	<b>Map Index:</b> 69705	<b>EO Index:</b> 70490	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)  
**County Summary:** Merced

<b>Lat/Long:</b>	37.54504 / -120.41218	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4158486 E728619	<b>Elevation (ft):</b>	300
<b>PLSS:</b>	T04S, R14E, Sec. 34, NE (M)	<b>Acres:</b>	5.0

**Location:** 0.75 MILE EAST OF HIGHWAY 59 AND 1.5 MILES SOUTH OF FIELDS ROAD, 2.1 MILES NE OF SNELLING.  
**Detailed Location:** POOL ID: RIC11.3. MAPPED CENTRALLY IN THE SOUTH 1/2 OF THE NE 1/4 SECTION 34. LOCATION MAPPED USING DIGITAL DATA.  
**Ecological:** HABITAT CONSISTS OF A POOL.  
**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."  
**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	272	<b>Map Index:</b> 69706	<b>EO Index:</b> 70491	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54708 / -120.39300	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4158758 E730308	<b>Elevation (ft):</b>	350
<b>PLSS:</b>	T04S, R14E, Sec. 35, NE (M)	<b>Acres:</b>	12.0

**Location:** 1.6-1.8 MILES EAST OF HIGHWAY 59 AND 1.2 MILES SOUTH OF FIELDS ROAD, 3 MILES NE OF SNELLING.

**Detailed Location:** POOL ID: RIC20.1, RIC21.2, RIC21.3. MAPPED IN THE NW 1/4 OF THE NE 1/4 AND CENTRALLY IN THE NE 1/4 SECTION 35. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	273	<b>Map Index:</b> 69707	<b>EO Index:</b> 70492	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55557 / -120.40104	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4159682 E729571	<b>Elevation (ft):</b>	310
<b>PLSS:</b>	T04S, R14E, Sec. 26, SW (M)	<b>Acres:</b>	5.0

**Location:** 1.4 MILES EAST OF HIGHWAY 59 AND 0.7 MILE SOUTH OF FIELDS ROAD, 3 MILES NE OF SNELLING.

**Detailed Location:** POOL ID: RIC17.4. MAPPED IN THE NE 1/4 OF THE SW 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A POOL.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	274	<b>Map Index:</b> 69708	<b>EO Index:</b> 70493	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56489 / -120.40425	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4160707 E729259	<b>Elevation (ft):</b>	355
<b>PLSS:</b>	T04S, R14E, Sec. 26, NW (M)	<b>Acres:</b>	14.0

**Location:** ALONG FIELDS ROAD, 1.2 MILES EAST OF HIGHWAY 59, 3.5 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC05.1, RIC05.2, RIC05.3, RIC05.4. MAPPED IN THE NW 1/4 OF THE NW 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-RICHARDS RANCH

<b>Occurrence No.</b>	275	<b>Map Index:</b> 69709	<b>EO Index:</b> 70494	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.56397 / -120.39183	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4160636 E730359	<b>Elevation (ft):</b>	370
<b>PLSS:</b>	T04S, R14E, Sec. 26, NE (M)	<b>Acres:</b>	15.0

**Location:** ALONG SOUTH SIDE OF FIELDS ROAD, 1.9 MILES EAST OF HIGHWAY 59, 3.8 MILES NNE OF SNELLING.

**Detailed Location:** POOL ID: RIC06.2, RIC06.3, RIC06.4. MAPPED IN THE NE 1/4 OF THE NE 1/4 SECTION 26. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-RICHARDS RANCH



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<b>Occurrence No.</b>	276	<b>Map Index:</b> 68761	<b>EO Index:</b> 70495	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

**Lat/Long:** 37.56068 / -120.38201 **Accuracy:** specific area

**UTM:** Zone-10 N4160295 E731236 **Elevation (ft):** 330

**PLSS:** T04S, R14E, Sec. 25, NW (M) **Acres:** 21.0

**Location:** 2.4 MILES EAST OF HIGHWAY 59 AND 0.3 - 0.7 MILE SOUTHEAST OF THE END OF FIELDS ROAD, 4 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: RIC08.1, RIC08.2, RIC08.3, RIC08.4, KEL08.4, KEL09.4. MAPPED ALONG CREEK - PRIMARILY IN THE NORTHWEST 1/4 SECTION 25. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-RICHARDS & KELSEY RANCH

<b>Occurrence No.</b>	277	<b>Map Index:</b> 69711	<b>EO Index:</b> 70496	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

**Lat/Long:** 37.55146 / -120.38155 **Accuracy:** specific area

**UTM:** Zone-10 N4159273 E731306 **Elevation (ft):** 365

**PLSS:** T04S, R14E, Sec. 25, SW (M) **Acres:** 7.0

**Location:** 2.4 MILES EAST OF HIGHWAY 59 AND 1 MILE SSE OF THE END OF FIELDS ROAD, 3.7 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: KEL21.3, KEL21.4. MAPPED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 SECTION 25. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH





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<b>Occurrence No.</b>	278	<b>Map Index:</b> 69710	<b>EO Index:</b> 70497	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.55516 / -120.37022	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4159711 E732296	<b>Elevation (ft):</b>	360
<b>PLSS:</b>	T04S, R15E, Sec. 30, SW (M)	<b>Acres:</b>	7.0

**Location:** 3.1 MILES EAST OF HIGHWAY 59 AND 1.2 MILES SOUTHEAST END OF FIELDS ROAD, 4.4 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: KEL11.1, KEL11.2. MAPPED IN THE NW 1/4 OF THE SW 1/4 SECTION 30. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	279	<b>Map Index:</b> 68763	<b>EO Index:</b> 70498	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Merced Falls (3712053), Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54857 / -120.37626	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4158965 E731783	<b>Elevation (ft):</b>	370
<b>PLSS:</b>	T04S, R14E, Sec. 36, NE (M)	<b>Acres:</b>	0.0

**Location:** 2.7 MILES EAST OF HIGHWAY 59 AND 1.3 MILES SSE OF THE END OF FIELDS ROAD, 3.8 MILES NORTHEAST OF SNELLING.

**Detailed Location:** POOL ID: KEL20.4. MAPPED IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 SECTION 36. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Occurrence No.</b>	280	<b>Map Index:</b> 69712	<b>EO Index:</b> 70499	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.53902 / -120.36934	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4157923 E732423	<b>Elevation (ft):</b>	380
<b>PLSS:</b>	T04S, R15E, Sec. 31, SW (M)	<b>Acres:</b>	7.0

**Location:** 1.7 MILES NORTH OF THE SNELLING DIVERSION DAM AND 0.7 MILE WEST OF KELSEY RESERVOIR, 3.9 MILES ENE OF SNELLING.

**Detailed Location:** POOL ID: KEL34.4, KEL39.2. MAPPED IN THE SW 1/4 OF THE SW 1/4 SECTION 31. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	281	<b>Map Index:</b> 69713	<b>EO Index:</b> 70500	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.54159 / -120.36487	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4158219 E732810	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T04S, R15E, Sec. 31, SW (M)	<b>Acres:</b>	7.0

**Location:** 1.9 MILES NORTH OF THE SNELLING DIVERSION DAM AND 0.4 MILE WEST OF KELSEY RESERVOIR, 4.2 MILES ENE OF SNELLING.

**Detailed Location:** POOL ID: KEL33.2, KEL33.3. MAPPED IN THE NE 1/4 OF THE SW 1/4 SECTION 31. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF POOLS.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Occurrence No.</b>	282	<b>Map Index:</b> 69714	<b>EO Index:</b> 70501	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Merced Falls (3712053)

**County Summary:** Merced

<b>Lat/Long:</b>	37.53193 / -120.35330	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4157176 E733863	<b>Elevation (ft):</b>	400
<b>PLSS:</b>	T05S, R15E, Sec. 05, NW (M)	<b>Acres:</b>	0.0

**Location:** 0.4 MILE SOUTH OF THE SOUTH END OF KELSEY RESERVOIR, 1.3 MILES NW OF MERCED FALLS, NORTHEASTERN MERCED COUNTY.

**Detailed Location:** POOL ID: KEL43.3. MAPPED IN THE CENTRAL PORTION OF THE NW 1/4 SECTION 5. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A POOL.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH

<b>Occurrence No.</b>	283	<b>Map Index:</b> 68803	<b>EO Index:</b> 70502	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2001-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2007-08-02

**Quad Summary:** Snelling (3712054)

**County Summary:** Merced

<b>Lat/Long:</b>	37.53046 / -120.38352	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4156938 E731197	<b>Elevation (ft):</b>	346
<b>PLSS:</b>	T05S, R14E, Sec. 01, NE (M)	<b>Acres:</b>	7.0

**Location:** 1.3 MILES NNW OF THE SNELLING DIVERSION DAM, 3 MILES ENE OF SNELLING.

**Detailed Location:** POOL ID: KEL41.1, KEL41.2, KEL41.4. MAPPED IN THE SW 1/4 OF THE NE 1/4 SECTION 1. LOCATION MAPPED USING DIGITAL DATA.

**Ecological:** HABITAT CONSISTS OF A POOL.

**General:** SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."

**Owner/Manager:** PVT-KELSEY RANCH



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<b>Occurrence No.</b>	284	<b>Map Index:</b>	69716	<b>EO Index:</b>	70503	<b>Element Last Seen:</b>	2001-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-08-02	

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<b>Quad Summary:</b>	Snelling (3712054)		
<b>County Summary:</b>	Merced		

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<b>Lat/Long:</b>	37.53025 / -120.39010	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4156899 E730616	<b>Elevation (ft):</b>	340
<b>PLSS:</b>	T05S, R14E, Sec. 01, NW (M)	<b>Acres:</b>	10.0

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<b>Location:</b>	1.5 MILES NORTHWEST OF THE SNELLING DIVERSION DAM, 2.7 MILES ENE OF SNELLING.
<b>Detailed Location:</b>	POOL ID: KEL40.1, KEL40.2, KEL40.3, KEL40.4. MAPPED IN THE SW 1/4 OF THE NW 1/4 SECTION 1. LOCATION MAPPED USING DIGITAL DATA.
<b>Ecological:</b>	HABITAT CONSISTS OF A POOL.
<b>General:</b>	SPECIES OBSERVED IN VERNAL POOLS DURING THE 2001 CRUSTACEAN SURVEYS. MERCED COUNTY "STUDY AREA OFFERS HIGH QUALITY AND QUANTITY OF HABITAT."
<b>Owner/Manager:</b>	PVT-KELSEY RANCH

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<b><i>Lepidurus packardii</i></b>		<b>Element Code:</b> ICBRA10010	
vernal pool tadpole shrimp			
<b>Listing Status:</b>	<b>Federal:</b> Endangered	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4
	<b>State:</b> None		<b>State:</b> S3S4
	<b>Other:</b> IUCN_EN-Endangered		
<b>Habitat:</b>	<b>General:</b> INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.		
	<b>Micro:</b> POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.		

<b>Occurrence No.</b>	100	<b>Map Index:</b> 33704	<b>EO Index:</b> 30642	<b>Element Last Seen:</b> 1986-10-05
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1986-10-05
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2014-12-11

**Quad Summary:** Turlock Lake (3712055), Montpelier (3712056)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.58734 / -120.63655	<b>Accuracy:</b>	3/5 mile
<b>UTM:</b>	Zone-10 N4162657 E708677	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T04S, R12E, Sec. 15 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 2.5 MILES NNE OF THE INTERSECTION OF KEYES ROAD AND HAWKINS ROAD, JUST SOUTH OF THE HICKMAN VERNAL POOLS.  
**Detailed Location:** SEASONAL WETLANDS LOCATED SOMEWHERE IN SECTION 15. COORDINATES GIVEN IN FUGATE THESIS ARE APPROXIMATE. MAPPED GENERALLY.  
**Ecological:** NATURAL SEASONAL WETLANDS. BRANCHINECTA LYNCHI AND LINDERIELLA OCCIDENTALIS ALSO OBSERVED.  
**General:** OBSERVED IN 1 OF 1 FEATURES INSPECTED (SUGNET ID#109); OBSERVED/COLLECTED BY S. MOREY ON 5 OCT 1986.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	215	<b>Map Index:</b> 31446	<b>EO Index:</b> 59231	<b>Element Last Seen:</b> 19XX-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 19XX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2008-01-15

**Quad Summary:** Turlock Lake (3712055), Montpelier (3712056)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.60206 / -120.62764	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4164310 E709422	<b>Elevation (ft):</b>	195
<b>PLSS:</b>	T04S, R12E, Sec. 10 (M)	<b>Acres:</b>	692.0

**Location:** HICKMAN VERNAL POOL; WSW OF TURLOCK LAKE; SOUTHEAST OF THE INTERSECTION BETWEEN LAKE ROAD & HAWKINS ROAD.  
**Detailed Location:**  
**Ecological:** CLAYPAN VERNAL POOL SURROUNDED BY NATIVE GRASSES WHILE INTRODUCED WEEDS HAVE INVADDED THE LARGEST POOL CENTER; SURROUNDED BY VINEYARDS, RICE FIELDS, ORCHARDS, AND PLANT NURSERIES.  
**General:** 6 INDIVIDUALS FROM TWO COLLECTIONS, COLLECTING DATES NOT GIVEN.  
**Owner/Manager:** PVT-ROBINSON RANCH



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<b><i>Stygobromus harai</i></b>		<b>Element Code:</b> ICMAL05470	
Hara's Cave amphipod			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G1G2
	<b>State:</b> None		<b>State:</b> S1S2
	<b>Other:</b> IUCN_VU-Vulnerable		
<b>Habitat:</b>	<b>General:</b> CENTRAL CALIFORNIA FOOTHILLS.		
	<b>Micro:</b> MOSTLY FOUND IN CAVES & MINE TUNNELS. ALSO TAKEN FROM A SPRING		

<b>Occurrence No.</b>	2	<b>Map Index:</b> 59595	<b>EO Index:</b> 59631	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	XXXX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2005-01-25

**Quad Summary:** Groveland (3712072), Moccasin (3712073)  
**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.86181 / -120.25434	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4194037 E741535	<b>Elevation (ft):</b>	2350
<b>PLSS:</b>	T01S, R16E, Sec. 07 (M)	<b>Acres:</b>	1114.7

**Location:** 9 MILES SOUTHEAST OF SONORA.  
**Detailed Location:** MAPPED 9 AIR MILES SOUTHEAST OF SONORA ALONG MAIN ROAD IN AREA.  
**Ecological:** TAKEN AT A SPRING.  
**General:** NO ADDITIONAL COLLECTING DATA GIVEN.  
**Owner/Manager:** UNKNOWN

<b><i>Bombus morrisoni</i></b>		<b>Element Code:</b> IIHYM24460	
Morrison bumble bee			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G4G5
	<b>State:</b> None		<b>State:</b> S1S2
	<b>Other:</b> IUCN_VU-Vulnerable		
<b>Habitat:</b>	<b>General:</b> FROM THE SIERRA-CASCADES RANGES EASTWARD ACROSS THE INTERMOUNTAIN WEST.		
	<b>Micro:</b> FOOD PLANT GENERA INCLUDE CIRSIUM, CLEOME, HELIANTHUS, LUPINUS, CHRYSOTHAMNUS, AND MELILOTUS.		

<b>Occurrence No.</b>	38	<b>Map Index:</b> 13392	<b>EO Index:</b> 98358	<b>Element Last Seen:</b>	1968-06-30
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1968-06-30
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2015-08-04

**Quad Summary:** La Grange (3712064)  
**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.66465 / -120.46270	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4171637 E723797	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T03S, R14E, Sec. 20 (M)	<b>Acres:</b>	0.0

**Location:** LA GRANGE.  
**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE GENERAL VICINITY OF LA GRANGE.  
**Ecological:**  
**General:** COLLECTED 30 JUN 1968.  
**Owner/Manager:** UNKNOWN



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<b><i>Bombus crotchii</i></b>		<b>Element Code:</b> IIHYM24480	
Crotch bumble bee			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3G4
	<b>State:</b> None		<b>State:</b> S1S2
	<b>Other:</b>		
<b>Habitat:</b>	<b>General:</b> COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.		
	<b>Micro:</b> FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.		

<b>Occurrence No.</b>	30	<b>Map Index:</b> 97367	<b>EO Index:</b> 98647	<b>Element Last Seen:</b> 1956-07-02
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1956-07-02	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2015-08-28	
<b>Quad Summary:</b>	Merced Falls (3712053)			
<b>County Summary:</b>	Mariposa, Merced			
<b>Lat/Long:</b>	37.58603 / -120.34040	<b>Accuracy:</b>	1 mile	
<b>UTM:</b>	Zone-10 N4163211 E734833	<b>Elevation (ft):</b>	500	
<b>PLSS:</b>	T04S, R15E, Sec. 17 (M)	<b>Acres:</b>	0.0	
<b>Location:</b>	4 MILES WEST OF EXCHEQUER DAM.			
<b>Detailed Location:</b>	MAPPED BY CNDDB 4 AIR MILES WEST OF EXCHEQUER DAM, EAST OF MODESTO.			
<b>Ecological:</b>				
<b>General:</b>	COLLECTED 2 JUL 1956.			
<b>Owner/Manager:</b>	UNKNOWN			

<b><i>Anodonta californiensis</i></b>		<b>Element Code:</b> IMBIV04020	
California floater			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3Q
	<b>State:</b> None		<b>State:</b> S2?
	<b>Other:</b> USFS_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> FRESHWATER LAKES AND SLOW-MOVING STREAMS AND RIVERS. TAXONOMY UNDER REVIEW BY SPECIALISTS.		
	<b>Micro:</b> GENERALLY IN SHALLOW WATER.		

<b>Occurrence No.</b>	1	<b>Map Index:</b> 47242	<b>EO Index:</b> 47242	<b>Element Last Seen:</b> 1999-01-20
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b> 1999-01-20	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Record Last Updated:</b> 2002-02-19	
<b>Quad Summary:</b>	Keystone (3712075), New Melones Dam (3712085)			
<b>County Summary:</b>	Calaveras, Tuolumne			
<b>Lat/Long:</b>	37.89725 / -120.57003	<b>Accuracy:</b>	nonspecific area	
<b>UTM:</b>	Zone-10 N4197199 E713658	<b>Elevation (ft):</b>	505	
<b>PLSS:</b>	T01N, R13E, Sec. 32 (M)	<b>Acres:</b>	992.1	
<b>Location:</b>	TULLOCK LAKE.			
<b>Detailed Location:</b>	FOUND AROUND THE MARGINS OF THE LAKE DURING DRAWDOWN. FOUND ON THE ROCK AND SAND/SILT BOTTOM.			
<b>Ecological:</b>	LAKE USED FOR RECREATION AND AGRICULTURAL AND DOMESTIC WATER SUPPLY.			
<b>General:</b>	EACH WINTER THE LAKE IS DRAWN DOWN FROM 509 FT TO 500 FT EXPOSING THE MUSSELS. THREE SPECIMENS TO BE DEPOSITED IN CAS.			
<b>Owner/Manager:</b>	PVT			



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<b><i>Monadenia mormonum hirsuta</i></b>		<b>Element Code:</b> IMGASC7072	
hirsute Sierra sideband			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2T1
	<b>State:</b> None		<b>State:</b> S1
	<b>Other:</b> BLM_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> KNOWN ONLY FROM A FEW BASALTIC OUTCROPS IN TUOLUMNE COUNTY.		
	<b>Micro:</b> <input type="checkbox"/>		
<b>Occurrence No.</b>	3	<b>Map Index:</b> 59804	<b>EO Index:</b> 59840
<b>Occ. Rank:</b>	Good	<b>Presence:</b> Presumed Extant	<b>Element Last Seen:</b> 2001-02-07
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b> Unknown	<b>Site Last Seen:</b> 2001-02-07
			<b>Record Last Updated:</b> 2006-07-07
<b>Quad Summary:</b>	Chinese Camp (3712074), Keystone (3712075), Sonora (3712084), New Melones Dam (3712085)		
<b>County Summary:</b>	Tuolumne		
<b>Lat/Long:</b>	37.87726 / -120.50258	<b>Accuracy:</b>	nonspecific area
<b>UTM:</b>	Zone-10 N4195137 E719648	<b>Elevation (ft):</b>	1300
<b>PLSS:</b>	T01S, R13E, Sec. 02, SE (M)	<b>Acres:</b>	70.6
<b>Location:</b>	TABLE MOUNTAIN, ABOVE ANDREW CREEK, ON THE EAST SIDE OF HIGHWAY 120/108, SE OF NEW MELONES RESERVOIR.		
<b>Detailed Location:</b>	LOCATED IN RUBBLE BY CLIFF ABOVE ANDREW CREEK; IN YOSEMITE ESTATES SUBDIVISION.		
<b>Ecological:</b>	HABITAT CONSISTS OF ROCK RUBBLE AT THE BASE OF TABLE MOUNTAIN.		
<b>General:</b>	SEVERAL ADULTS OBSERVED ON 7 FEB 2001. THREE ADULTS AND FIVE EMPTY SHELLS FROM JUVENILE TO SUBADULT, IN POOR TO FAIR CONDITION, COLLECTED BY BRIAN QUELVOG, ID BY BARRY ROTH; DATE NOT GIVEN.		
<b>Owner/Manager:</b>	PVT		