
APPENDIX B

Biological Resource Record Searches



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



Query Criteria: Imported file selection

<i>Rana draytonii</i>		Element Code: AAABH01022	
California red-legged frog			
Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G2G3
	State: None		State: S2S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable		
Habitat:	General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.		
	Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.		

Occurrence No.	77	Map Index: 24983	EO Index: 6246	Element Last Seen:	1993-10-26
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1993-10-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-04-23
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.16030 / -122.17998		Accuracy:	2/5 mile	
UTM:	Zone-10 N4223918 E571839		Elevation (ft):	500	
PLSS:	T04N, R03W, Sec. 27, SE (M)		Acres:	0.0	
Location:	PAGE FLAT AREA, AT THE NORTH END OF SKY VALLEY, 1 MILE SE OF THE AMERICAN CANYON EXIT FROM I-80.				
Detailed Location:	FOUND IN 3 FRAGMENTED PORTIONS OF HISTORIC HABITAT: ARTIFICIAL POND IN GOLF COURSE, STORMWATER RETENTION POND, AND A SPRING-FED POOL IN GRASSLAND/OPEN SPACE.				
Ecological:	BOTH THE GOLF COURSE POND AND THE STORMWATER RETENTION POND ARE SURROUNDED BY GOLF COURSE TURF AND ROUGH; SPRING-FED POOL IS VEGETATED BY EMERGENT VEGETATION.				
General:	3 ADULTS AND APPROXIMATELY 20 JUVENILES OBSERVED IN 1993.				
Owner/Manager:	CITY OF VALLEJO, PVT				

Occurrence No.	228	Map Index: 37436	EO Index: 32438	Element Last Seen:	2015-08-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-08-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-03-09
Quad Summary:	Cordelia (3812222)				
County Summary:	Napa				
Lat/Long:	38.17202 / -122.22719		Accuracy:	specific area	
UTM:	Zone-10 N4225183 E567691		Elevation (ft):	220	
PLSS:	T04N, R03W, Sec. 19, SE (M)		Acres:	29.0	
Location:	TRIBUTARY TO AMERICAN CANYON CREEK, ON THE NORTH SIDE OF AMERICAN CANYON ROAD, JUST EAST OF FLOSDEN ROAD, NE OF VALLEJO.				
Detailed Location:	FROGS PERSIST IN THE UPPER REACHES OF THIS DRAINAGE DUE TO THE PRESENCE OF PERENNIAL SPRINGS/SEEPS AND A BRICK CISTERN. BREEDING WAS FIRST CONFIRMED ONSITE ON 22 JUN 1998. 317-ACRE CRLF HABITAT PRESERVE OWNED BY NAPA VALLEY USD.				
Ecological:	EPHEMERAL DRAINAGE IN GRAZED ANNUAL GRASSLAND. 1998: RIPARIAN VEGETATION ABSENT, PROBABLY DUE TO YEARS OF CATTLE GRAZING. BOX SPRING & MUD PROVIDE REFUGE IN SUMMER MONTHS. 2015: VEGETATED DRAINAGE HEAVILY USED BY CATTLE.				
General:	1 ADULT OBSERVED, MAR 1996. 3 ADULTS OBS, 23 APR; 2 ADULTS OBS, 8 OCT 1996. 9 ADULT & 3 JUVENILES OBS, 15 APR; 2 ADULTS & 20+ LARVAE OBS, 22 JUN 1998. 35 ADULTS & 10 LARVAE OBS 21 JUN 2007. 4 ADULTS OBS 4 MAY 2014. 2 ADULTS OBS 5 AUG 2015.				
Owner/Manager:	NAPA VALLEY UNIFIED SCH DIST				



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Occurrence No.	237	Map Index: 33757	EO Index: 33214	Element Last Seen:	1998-06-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1998-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1999-01-12
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.16133 / -122.13229		Accuracy:	specific area	
UTM:	Zone-10 N4224071 E576015		Elevation (ft):	100	
PLSS:	T04N, R02W, Sec. 30, SW (M)		Acres:	36.7	
Location:	OLD PASEO CREEK, WEST OF I-680, 3 MILES SOUTH OF CORDELIA.				
Detailed Location:	FROGS ARE FOUND IN THE 3 SCATTERED PLUNGE POOLS. STREAM PROBABLY DRIES DURING SUMMER, LEAVING THESE POOLS AS THE ONLY HABITAT. STOCK PONDS ARE FOUND NEARBY ON ADJACENT PG&E PROPERTY.				
Ecological:	HABITAT CONSISTS OF A PERENNIAL CREEK, WITH PLUNGE POOLS; LITTLE EMERGENT VEGETATION, EXCEPT WHERE CREEK IS INACCESSIBLE TO CATTLE. COVER PROVIDED BY OVER-HANGING BANKS AND SHORE VEGETATION. UPLAND VEGETATION IS GRAZED NON-NATIVE GRASSLAND.				
General:	3 INDIVIDUALS OBSERVED IN POOLS ALONG CREEK ON 22 APRIL 1997. JUN 22 1998: 2 ADULTS AND 5 SUBADULTS CAPTURED; CAS #207120 (MRJ #1386), FEMALE SUBADULT, SVL 91 MM, 88.7 GM.				
Owner/Manager:	PVT				
Occurrence No.	290	Map Index: 40897	EO Index: 40897	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1999-02-24
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.16559 / -122.18962		Accuracy:	80 meters	
UTM:	Zone-10 N4224498 E570989		Elevation (ft):	650	
PLSS:	T04N, R03W, Sec. 27, NW (M)		Acres:	0.0	
Location:	0.5 MILE NW OF PAGE FLAT, EAST OF I-80, VALLEJO.				
Detailed Location:	SITE IS LOCATED ON PG&E'S SWETT RANCH.				
Ecological:	HABITAT CONSISTS OF A STOCK POND.				
General:	DURING 1998, ONE ADULT AND ONE JUVENILE WERE RELOCATED TO THIS LOCATION FROM A PROJECT SITE 2 MILES TO THE SW.				
Owner/Manager:	PVT-PGE				



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Occurrence No.	306	Map Index: 41245	EO Index: 41245	Element Last Seen:	2005-07-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-06-11
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.15774 / -122.12135		Accuracy:	80 meters	
UTM:	Zone-10 N4223681 E576977		Elevation (ft):	145	
PLSS:	T04N, R02W, Sec. 30, SE (M)		Acres:	0.0	
Location:	0.85 MILE NNW OF THE INTERSECTION OF MARSHVIEW ROAD AND I-680, 6 MILES SW OF FAIRFIELD.				
Detailed Location:					
Ecological:	HABITAT CONSISTS OF A PERMANENT STOCK POND; VEGETATED BY GRAZED NATIVE AND INTRODUCED GRASSES AND A FEW STUNTED WILLOW TREES. SITE CONSISTS OF AN OLD QUARRY AREA, SURROUNDED BY SEVERAL PITS FILLED WITH WATER.				
General:	1 JUVENILE COLLECTED (MRJ 1463) ON 9 APR 1999 AND DEPOSITED AT CAS. 1 ADULT OBSERVED ON 14 JUL 2005.				
Owner/Manager:	SOLANO LAND TRUST				
Occurrence No.	402	Map Index: 43489	EO Index: 43489	Element Last Seen:	2000-07-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2000-07-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-08-17
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.18421 / -122.18183		Accuracy:	1/5 mile	
UTM:	Zone-10 N4226570 E571653		Elevation (ft):	400	
PLSS:	T04N, R03W, Sec. 22, NW (M)		Acres:	0.0	
Location:	ADJACENT TO MCGARY ROAD (A FRONTAGE ROAD TO I-80), 0.1 MILE SW OF THE LYNCH CANYON ROAD INTERSECTION, NE OF VALLEJO.				
Detailed Location:	SITE IS LOCATED BELOW THE CULVERT FOR THE DRIVEWAY TO THE CITY OF VALLEJO PUMP STATION ON THE CREEK, ALMOST IMMEDIATELY ADJACENT TO MCGARY ROAD.				
Ecological:	HABITAT CONSISTS OF A PERENNIAL POOL IN A CREEK, SURROUNDED BY RIPARIAN TREE SPECIES.				
General:	1 ADULT OBSERVED NEXT TO THE PLUNGE POOL ON 31 JUL 2000.				
Owner/Manager:	PVT				



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Occurrence No.	403	Map Index: 43495	EO Index: 43495	Element Last Seen:	2000-07-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2000-07-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-08-17

Quad Summary: Cordelia (3812222)

County Summary: Solano

Lat/Long:	38.17247 / -122.19286	Accuracy:	1/10 mile
UTM:	Zone-10 N4225259 E570698	Elevation (ft):	400
PLSS:	T04N, R03W, Sec. 21, SE (M)	Acres:	0.0

Location: ADJACENT TO MCGARY ROAD (A FRONTAGE ROAD TO I-80), 0.25 MILE NE OF THE AMERICAN CANYON ROAD INTERSECTION, NE OF VALLEJO.

Detailed Location:

Ecological: HABITAT CONSISTS OF A POOLED PORTION OF THE CREEK, SURROUNDED BY A WILLOW THICKET.

General: 2 ADULTS OBSERVED NEXT TO THE POOLED PART OF THE CREEK ON 31 JUL 2000.

Owner/Manager: PVT

Occurrence No.	416	Map Index: 44670	EO Index: 44670	Element Last Seen:	2000-04-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2000-04-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-12-28

Quad Summary: Cordelia (3812222)

County Summary: Solano

Lat/Long:	38.16705 / -122.13802	Accuracy:	80 meters
UTM:	Zone-10 N4224701 E575507	Elevation (ft):	100
PLSS:	T04N, R03W, Sec. 25, NE (M)	Acres:	0.0

Location: NORTH OF GARIBALDI CREEK, WEST OF I-680, 3 MILES SOUTH OF CORDELIA.

Detailed Location: SOUTHBROOK MITIGATION SITE 3.

Ecological: PRIOR TO GRADING, HABITAT ON SITE CONSISTED OF GRAZED OPEN SPACE.

General: 1 ADULT OBSERVED IN APRIL 2000; PRESUMABLY, THIS ADULT FROG WAS DISPERSING FROM THE PG&E POND ADJACENT TO THE GARIBALDI PROJECT TO THE SOUTH.

Owner/Manager: PVT



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Occurrence No.	660	Map Index: 52090	EO Index: 52090	Element Last Seen:	2013-09-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-09-17
Occ. Type:	Natural/Native occurrence		Trend: Stable	Record Last Updated:	2015-03-27
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.21018 / -122.15490		Accuracy:	specific area	
UTM:	Zone-10 N4229473 E573985		Elevation (ft):	150	
PLSS:	T04N, R03W, Sec. 11, NE (M)		Acres:	22.0	
Location:	JUST NW OF HWY 12 INTERCHANGE WITH I-80, 1 MILE WEST OF CORDELIA, EAST OF JAMESON CANYON.				
Detailed Location:	4 PART MULTI-FEATURE REPRESENTS A LARGE POND AND 3 ADDITIONAL LOCATIONS WHERE FROGS HAVE BEEN DETECTED IN THE VACINITY. MAPPED TO COORDINATES AND DESCRIPTIONS.				
Ecological:	GENERALLY, THERE IS ONE MAIN POND AND SEVERAL SMALLER PONDS, HEAVILY SHADED AND COVERED WITH VEGETATION, SURROUNDED BY GRASSLAND.				
General:	1 ADULT OBSERVED ON 27 MAY 2003 IN PLUNGE POOL WEST OF POND. 7 LARVAE FOUND IN POND ON 6 MAY 2004. 3 DETECTED TRANSITING GRASSLAND NE OF POND ON 23 & 29 OCT 2011 DURING RAIN EVENT. 5 JUVENILES WERE DETECTED DURING SURVEYS IN SEP 2013.				
Owner/Manager:	PVT				
Occurrence No.	896	Map Index: 66084	EO Index: 66163	Element Last Seen:	2006-07-26
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2006-08-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-27
Quad Summary:	Cordelia (3812222)				
County Summary:	Napa				
Lat/Long:	38.18066 / -122.24837		Accuracy:	80 meters	
UTM:	Zone-10 N4226127 E565829		Elevation (ft):	85	
PLSS:	T04N, R04W, Sec. 24, NE (M)		Acres:	0.0	
Location:	1 MILE NNE OF THE INTERSECTION OF AMERICAN CANYON ROAD AND HIGHWAY 29, SOUTH OF NAPA.				
Detailed Location:	A LARGE QUARRY POND, MEASURING 729' X 243' ALSO OCCURS ON-SITE.				
Ecological:	HABITAT CONSISTS OF A MAN-MADE CEMENT TANK, HISTORICALLY USED IN A QUARRY OPERATION; TANK MEASURES 7' X 50' X 14'. CATTAILS AND SOME WILLOWS LINE THE BOTTOM OF THE TANK; HIMALAYAN BLACKBERRIES AND WILLOWS OCCUR ALONG THE OUT EDGES.				
General:	1 ADULT OBSERVED ON 10 JUL AND 1 ADULT OBSERVED ON 26 JUL 2006; BY 21 AUG 2006, WATER IN THE TANK WAS GONE AND RACCOON PRINTS WERE OBSERVED.				
Owner/Manager:	PVT				



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Occurrence No.	1062	Map Index: 74844	EO Index: 75844	Element Last Seen:	2008-08-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2008-08-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-24
Quad Summary:	Cordelia (3812222)				
County Summary:	Napa				
Lat/Long:	38.19710 / -122.24773		Accuracy:	80 meters	
UTM:	Zone-10 N4227951 E565870		Elevation (ft):	110	
PLSS:	T04N, R04W, Sec. 13, NE (M)		Acres:	0.0	
Location:	NORTH SLOUGH CREEK, ABOUT 0.68 AIR MI NNE OF NAPA JUNCTION.				
Detailed Location:	FROG OBSERVED DURING A NATURAL GAS PIPELINE REPLACEMENT PROJECT FOR PG & E THAT CROSSES A SECTION OF NORTH SLOUGH CREEK, ABOUT 40 M DOWNSTREAM OF FROG LOCALITY.				
Ecological:	ISOLATED SIDE POOL (2 X 2 M) WITHIN NORTH SLOUGH CREEK CONTAINING EMERGENT TYPHA LATIFOLIA AND DENSE MYRIOPHYLLUM SP; 60 CM MAX DEPTH; 17.5 C WATER TEMP.				
General:	1 ADULT (SVL= 130 MM) WAS OBSERVED ON 4 AUG 2008. POND LOCATED UPSTREAM OF THIS LOCALITY CONTAINS GOOD QUALITY BREEDING HABITAT.				
Owner/Manager:	PVT				
Occurrence No.	1395	Map Index: 95768	EO Index: 96905	Element Last Seen:	2012-07-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-07-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-03-27
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.20631 / -122.15274		Accuracy:	80 meters	
UTM:	Zone-10 N4229045 E574178		Elevation (ft):	80	
PLSS:	T04N, R03W, Sec. 12, SW (M)		Acres:	0.0	
Location:	ALONG UNNAMED DRAINAGE FLOWING EAST FROM JAMESON CANYON JUST WEST OF I-80, ABOUT 1 MILE WEST OF CORDELIA.				
Detailed Location:	AT BM 87. MAPPED TO PROVIDED COORDINATES. LOCATION DESCRIBED AS WESTBOUND SIDE OF I-80 AT A PONDED AREA OF CREEK A THE CULVERT INLET OF JAMESON CANYON CREEK, BETWEEN SR 12 AND I-80.				
Ecological:	CREEK AND CULVERT AREA CONTAINED POOLS THAT WERE GREATER THAN 3 FEET DEEP WITH MANY AREAS TO HIDE WITHIN LARGE PILE OF PARTIALLY SUBMERGED WOODY DEBRIS.				
General:	ONE ADULT WAS SEEN SITTING AT THE EDGE OF A PONDED AREA OF THE CREEK ON 17 JUL 2012.				
Owner/Manager:	CALTRANS				



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Rana boylei		Element Code: AAABH01050	
foothill yellow-legged frog			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive		
Habitat:	General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.		
	Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.		

Occurrence No.	388	Map Index:	49273	EO Index:	53138	Element Last Seen:	2002-09-30
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:			2002-09-30
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2003-11-04

Quad Summary:	Fairfield North (3812231)
County Summary:	Solano

Lat/Long:	38.28615 / -122.08603	Accuracy:	80 meters
UTM:	Zone-10 N4237960 E579932	Elevation (ft):	160
PLSS:	T05N, R02W, Sec. 16 (M)	Acres:	0.0

Location:	UNNAMED TRIBUTARY OF LEDGEWOOD CREEK, 1.8 KM EAST OF MANKAS CORNER, NW OF FAIRFIELD.
Detailed Location:	POOL WITH FROGS IS IN THE BOTTOM OF A NARROW RAVINE, INCISED 3 METERS BELOW TERRACE VEGETATED WITH GRASSLAND.
Ecological:	HABITAT CONSISTS OF A SMALL, DEEP, POOL BELOW A GOLF COURSE OUTFALL. STREAM WAS FORMERLY EPHEMERAL, BUT IS NOW PERENNIAL BECAUSE OF GOLF COURSE TAILWATER. CREEK LACKS WOODY RIPARIAN VEGETATION; ONLY RIPARIAN PLANTS ARE SPARSE WETLAND WEEDS.
General:	2 ADULTS OBSERVED ON 30 SEP 2002.
Owner/Manager:	PVT



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<i>Elanus leucurus</i>		Element Code: ABNKC06010	
white-tailed kite			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3S4
	Other: BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern		
Habitat:	General: ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.		
	Micro: OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.		

Occurrence No.	75	Map Index: 53684	EO Index: 53684	Element Last Seen:	2003-06-16
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-06-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-12-23
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.16480 / -122.13858		Accuracy:	1/10 mile	
UTM:	Zone-10 N4224451 E575460		Elevation (ft):	140	
PLSS:	T04N, R03W, Sec. 25, NE (M)		Acres:	0.0	
Location:	NORTH SIDE OF FREEBORN CREEK, 0.8 MILE WEST OF I-680, 6 MILES NE OF VALLEJO.				
Detailed Location:					
Ecological:	NEST TREE IS AN OAK, SURROUNDED BY OPEN, HILLY, NON-NATIVE GRASSLAND.				
General:	2 ADULTS AND 1 JUVENILE OBSERVED AT THE NEST ON 16 JUN 2003.				
Owner/Manager:	PVT				

Occurrence No.	97	Map Index: 65931	EO Index: 66010	Element Last Seen:	2004-05-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-08-21
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.22624 / -122.10698		Accuracy:	1/10 mile	
UTM:	Zone-10 N4231295 E578163		Elevation (ft):	20	
PLSS:	T04N, R02W, Sec. 05 (M)		Acres:	0.0	
Location:	JUST EAST OF SUISIN CREEK, ABOUT 0.5 MI SOUTH OF I-80.				
Detailed Location:	NEST IS LOCATED AT THE TOP OF A LIVE OAK TREE.				
Ecological:	LIVE OAK WOODLAND ADJACENT TO RR TRACKS.				
General:	2 ADULTS AND 2 JUVENILES OBSERVED IN MAY 2004.				
Owner/Manager:	PVT				

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



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Occurrence No.	1372	Map Index:	57005	EO Index:	57021	Element Last Seen:	2004-05-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2004-05-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2004-09-27

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.20933 / -122.12513	Accuracy:	80 meters
UTM:	Zone-10 N4229403 E576592	Elevation (ft):	3
PLSS:	T04N, R02W, Sec. 07 (M)	Acres:	0.0

Location: ALONG CORDELIA SLOUGH, 0.8 MILE SE OF THE JUNCTION OF I-80 AND I-680, EAST OF CORDELIA.

Detailed Location:

Ecological: NEST TREE IS LOCATED WITHIN THE RIPARIAN AREA ALONG CORDELIA SLOUGH; SURROUNDED BY GRAZED ANNUAL GRASSLAND.

General: 2 ADULTS AND 1 JUVENILE OBSERVED AT THE NEST DURING MAY 2004.

Owner/Manager: PVT

Occurrence No.	1619	Map Index:	64468	EO Index:	64547	Element Last Seen:	2012-07-XX
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:			2012-07-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2013-10-29

Quad Summary: Cuttings Wharf (3812223)

County Summary: Napa

Lat/Long:	38.23876 / -122.26966	Accuracy:	specific area
UTM:	Zone-10 N4232559 E563913	Elevation (ft):	60
PLSS:	T05N, R04W, Sec. 35, NE (M)	Acres:	10.0

Location: ALONG SUSCOL CREEK, ABOUT 0.05-0.1 MILE DOWNSTREAM (SW) OF DEVLIN ROAD, SOUTH NAPA.

Detailed Location: EAST POLYGON: MAPPED TO COORDINATES GIVEN FOR 2005 NEST TREE. WEST POLYGON: MAPPED TO COORDINATES GIVEN FOR 2012 NEST SITE.

Ecological: 2005 NEST IN VALLEY OAK. 2012 NEST IN OAK. IN RIPARIAN WOODLAND DOMINATED BY VALLEY & LIVE OAK, WILLOW, HIMALAYAN BLACKBERRY, & EUCALYPTUS. INACTIVE RANCH, SANITATION DISTRICT SPRAY FIELDS & STORAGE FACILITY SURROUNDING.

General: NESTING SUSPECTED IN 2003 BUT NO NEST FOUND. 1 PAIR NESTED, A 2ND PAIR MAY HAVE NESTED NEARBY IN 2005; NEST-BUILDING, COPULATION, & COURTSHIP DISPLAY OBSERVED, 1-14 MAY 2005. NEST FLEDGED 3 YOUNG IN 2012.

Owner/Manager: UNKNOWN



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Occurrence No.	1718	Map Index:	78882	EO Index:	79863	Element Last Seen:	2008-05-11
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-05-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-05-19	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.23300 / -122.26857			Accuracy:	1/10 mile		
UTM:	Zone-10 N4231921 E564014			Elevation (ft):	26		
PLSS:	T05N, R04W, Sec. 35, SE (M)			Acres:	0.0		
Location:	JUST NORTH OF UNNAMED DRAINAGE ON THE EAST SIDE OF THE WASTEWATER TREATMENT PLANT, NORTH OF THE NAPA COUNTY AIRPORT.						
Detailed Location:	MAPPED TO WHAT APPEARS TO BE A EUCALYPTUS GROVE (AERIAL IMAGERY). LOCATION ON PROVIDED MAP IS ABOUT 270 METERS ENE OF MAPPED LOCATION.						
Ecological:	HABITAT CONSISTS OF A EUCALYPTUS GROVE IN A GRASSLAND. SURROUNDING LAND COMPRISED OF TREATED WASTEWATER SPRAY FIELDS.						
General:	2 ADULTS OBSERVED ON 11 MAY 2008. NEST IS LOCATED IN A EUCALYPTUS TREE. NEST BUILDING ALSO OBSERVED.						
Owner/Manager:	NAPA SANITATION DISTRICT						
Occurrence No.	1719	Map Index:	78883	EO Index:	79864	Element Last Seen:	2007-08-18
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2007-08-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-10-14	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.23227 / -122.25976			Accuracy:	80 meters		
UTM:	Zone-10 N4231846 E564785			Elevation (ft):	60		
PLSS:	T05N, R04W, Sec. 36, SW (M)			Acres:	0.0		
Location:	ALONG SR 29, ABOUT 0.3 MILE NORTH OF SHEEHY CREEK, NORTH OF THE NAPA COUNTY AIRPORT.						
Detailed Location:	MAPPED TO 2007 NEST PER LOCATION ON PROVIDED MAP. 2012 SUSPECTED NEST SITE LESS THAN 80 M NORTHWEST OF 2005 SITE.						
Ecological:	HABITAT CONSISTED OF A EUCALYPTUS GROVE WITHIN RIGHT OF WAY OF SR 29. 2012 SUSPECTED NEST IN EUCALYPTUS. SURROUNDING LAND COMPRISED OF ROADS, LIGHT INDUSTRIAL, AND GRASSLAND.						
General:	A NEST WITH 1 FEATHERED NESTLING WAS OBSERVED ON 24 JUN 2007. A JUVENILE WAS OBSERVED IN THE AREA ON 18 AUG 2007, 2 ADULTS WERE ALSO OBSERVED AT THIS SITE. ABANDONED NEST WITH SWHA FEATHERS & PELLETS FOUND LATE IN 2012.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	2621	Map Index:	90608	EO Index:	91741	Element Last Seen:	2012-07-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2012-07-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-10-14	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.24301 / -122.26587			Accuracy:	80 meters		
UTM:	Zone-10 N4233032 E564241			Elevation (ft):	100		
PLSS:	T05N, R04W, Sec. 35, NE (M)			Acres:	0.0		
Location:	SUSCOL CREEK, ABOUT 0.2 MILE NE OF THE HWY 29/12 CROSSING AND 0.6 MILES SSE OF HWY 221 AT ANDERSON RD.						
Detailed Location:	MAPPED TO COORDINATES FROM TABLE OF 2012 SURVEY DATA.						
Ecological:	NEST IN COTTONWOOD. RED-TAILED HAWKS BELIEVED TO HAVE NESTED NEARBY.						
General:	NESTING PAIR PRESENT EARLY IN 2012 SEASON, BEGAN INCUBATION EARLY; SUCCESS UNKNOWN.						
Owner/Manager:	UNKNOWN						

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

Occurrence No.	28	Map Index:	66020	EO Index:	66099	Element Last Seen:	1988-02-26
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1988-02-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-08-23	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.22849 / -122.26858			Accuracy:	nonspecific area		
UTM:	Zone-10 N4231419 E564017			Elevation (ft):	30		
PLSS:	T04N, R04W, Sec. 02 (M)			Acres:	1070.3		
Location:	ABOUT 5 MI SSE OF NAPA, AREA SOUTH OF SUSCOL CREEK, EAST OF SP RR TRACKS, WEST OF RTE 29 & NORTH OF FAGAN CREEK.						
Detailed Location:							
Ecological:	GRAZED AND CULTIVATED (HAY) GRASSLAND, FEW INDIVIDUAL QUERCUS LOBATA IN NORTH PART OF AREA.						
General:	WINTERING SITE. 1 ADULT OBSERVED ON 26 FEB 1988. THE NUMBER IS SAME COMPARED TO LAST VISIT. 2-3 INDIVIDUALS WINTER AT THIS SITE ANNUALLY.						
Owner/Manager:	PVT, NAPA SANITATION DISTRICT						



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Aquila chrysaetos		Element Code: ABNKC22010	
golden eagle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3
Other:	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: ROLLING FOOTHILLS, MOUNTAIN AREAS, SAGE-JUNIPER FLATS, & DESERT.		
	Micro: CLIFF-WALLED CANYONS PROVIDE NESTING HABITAT IN MOST PARTS OF RANGE; ALSO, LARGE TREES IN OPEN AREAS.		

Occurrence No.	40	Map Index:	17290	EO Index:	11972	Element Last Seen:	1991-03-19
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	1991-03-19	Record Last Updated:	1991-08-08
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Cordelia (3812222)						
County Summary:	Solano						
Lat/Long:	38.14871 / -122.20289		Accuracy:	1/5 mile			
UTM:	Zone-10 N4222615 E569843		Elevation (ft):	1000			
PLSS:	T04N, R03W, Sec. 33, SW (M)		Acres:	0.0			
Location:	SULPHUR SPRINGS MOUNTAIN, ONE MI NE OF I-80 AND HWY 37, NEAR VALLEJO.						
Detailed Location:	TWO ADULTS AND A JUVENILE OBSERVED AT THIS CRAGGY CLIFF SITE, IN 1989.						
Ecological:	HIGH CLIFFS. CURRENT ZONING DOESN'T ALLOW DEVELOPMENT. SURROUNDING LAND IS CURRENTLY OPERATED AS A CATTLE RANCH.						
General:	A PAIR NESTED HERE IN 1988, 1989 AND 1991.						
Owner/Manager:	PVT						

Occurrence No.	142	Map Index:	73822	EO Index:	74814	Element Last Seen:	2005-02-04
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	2005-02-04	Record Last Updated:	2009-03-09
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.15787 / -122.12281		Accuracy:	80 meters			
UTM:	Zone-10 N4223694 E576849		Elevation (ft):	145			
PLSS:	T04N, R02W, Sec. 30, SE (M)		Acres:	0.0			
Location:	0.85 MILE NNW OF THE INTERSECTION OF MARSHVIEW ROAD & I-680, 6 MILES SW OF FAIRFIELD.						
Detailed Location:							
Ecological:	ANNUAL GRASSLAND ON ROLLING HILLS AND VALLEYS.						
General:	OBSERVED EAGLES TAKING DOWN A RABBIT ON AN ACTIVE UNDERGROUND RESERVOIR CONSTRUCTION SITE. LAND IS PART OF SOLANO TRUST, AND WILL BE RESTORED ONCE CONSTRUCTION IS COMPLETED.						
Owner/Manager:	SOLANO LAND TRUST						



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<i>Laterallus jamaicensis coturniculus</i>		Element Code: ABNME03041	
California black rail			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3G4T1
	State: Threatened		State: S1
Other:	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_NT-Near Threatened, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: INHABITS FRESHWATER MARSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.		
	Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DO NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.		

Occurrence No.	129	Map Index:	76037	EO Index:	63294	Element Last Seen:	2008-06-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2008-06-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-09-28	

Quad Summary:	Fairfield South (3812221)		
County Summary:	Solano		
Lat/Long:	38.20119 / -122.06421	Accuracy:	nonspecific area
UTM:	Zone-10 N4228552 E581935	Elevation (ft):	9
PLSS:	T04N, R02W, Sec. 11, SW (M)	Acres:	95.0
Location:	VICINITY OF BOYNTON SLOUGH BETWEEN LEVEE & RAILROAD, ABOUT 2.5 TO 3 MI SSW SUISUN CITY, GRIZZLY ISLAND WILDLIFE AREA.		
Detailed Location:	IN GREY GOOSE (GGF) UNIT / FRAGMENT. GENERAL SITE (MAP) FOR 2001 DATA. 7 STATIONS IN 2005 (MAP); DETECTIONS WITHIN 100 M OF STATIONS. 4 LOCS (MAP) IN 2008. MAPPED 2005 SITES TO 150 M (BOTH FEATURES) & 2008 SITES TO 80 M (ALL IN NE FEATURE).		
Ecological:	TIDAL/BRACKISH MARSH DOMINATED BY SCHOENOPLECTUS AMERICANUS. ASSOCIATES INCLUDE S. VIRGINICA, G. STRICTA, C. BARBARAE, A. ACTUS & T. ANGUSTIFOLIA. SURROUNDING LAND USED FOR FOWL HUNTING, & RAILROAD. SITE QUALITY MARKED AS GOOD & EXCELLENT.		
General:	MODERATE ABUNDANCE (0.6 - 2.12 RAILS/HA) IN 2001. 3 DETECTIONS ON 30 MAR 2005. 4 DETECTIONS ON 20 JUN 2008; ALSO HEARD REPEATEDLY DURING A WEEK OF SALT MARSH HARVEST MOUSE TRAPPING. SALT MARSH HARVEST MICE ALSO OBS IN 2008.		
Owner/Manager:	DFG-GRIZZLY ISLAND WA		

Occurrence No.	199	Map Index:	76259	EO Index:	77237	Element Last Seen:	1910-10-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1910-10-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-08-13	

Quad Summary:	Fairfield South (3812221)		
County Summary:	Solano		
Lat/Long:	38.18058 / -122.11731	Accuracy:	1/5 mile
UTM:	Zone-10 N4226219 E577307	Elevation (ft):	6
PLSS:	T04N, R02W, Sec. 19, NE (M)	Acres:	0.0
Location:	VICINITY OF CORDELIA CLUB ALONG CORDELIA SLOUGH, ABOUT 1.1 MI EAST OF GOLD HILL RD AT LOPES RD (FAIRFIELD).		
Detailed Location:	MVZ LOCATION DESCRIBED AS "CORDELIA SHOOTING CLUB, SUISUN MARSH." MAPPED TO THE CORDELIA CLUB'S GNIS POINT.		
Ecological:			
General:	MVZ #24901 COLLECTED BY E.H. CUTHBERT ON 19 OCT 1910.		
Owner/Manager:	UNKNOWN		

<i>Athene cunicularia</i>		Element Code: ABNSB10010	
burrowing owl			



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

Occurrence No.	70	Map Index:	09716	EO Index:	25452	Element Last Seen:	1987-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1987-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Increasing	Record Last Updated:		1989-08-10	

Quad Summary: Fairfield South (3812221)
County Summary: Solano

Lat/Long:	38.23018 / -122.06359	Accuracy:	1/5 mile
UTM:	Zone-10 N4231769 E581957	Elevation (ft):	10
PLSS:	T05N, R02W, Sec. 35 (M)	Acres:	0.0

Location: CORDELIA ROAD JCT W/ OREHR RD, APPROX 1.5 MI S OF HWY 12 JCT W/I-80, FAIRFIELD.
Detailed Location:
Ecological:
General: BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE QUALITY EXCELLENT, ACCORING TO LEONG.
Owner/Manager: UNKNOWN

Occurrence No.	556	Map Index:	50573	EO Index:	50573	Element Last Seen:	2002-12-10
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2002-12-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2003-03-12	

Quad Summary: Fairfield South (3812221)
County Summary: Solano

Lat/Long:	38.15599 / -122.11612	Accuracy:	80 meters
UTM:	Zone-10 N4223492 E577438	Elevation (ft):	132
PLSS:	T04N, R02W, Sec. 32, NW (M)	Acres:	0.0

Location: AT INTERSECTION OF LOPES RD & GATED ACCESS ROAD, 0.2 MILE N OF MARSH VIEW RD CROSSING OVER I-680, 7 MI SSW OF FAIRFIELD.
Detailed Location:
Ecological: HABITAT CONSISTS OF AN AREA OF LOW-GROWING MIXED HERBACEOUS PLANTS CONTAINING 100+ POTENTIAL BURROWS, SOME WITH BUOW WHITEWASH AND PELLETS. SURROUNDING AREA DOMINATED BY CATTLE GRAZING.
General: 2 INDIVIDUALS OBSERVED IN NOV-DEC 2002.
Owner/Manager: SOLANO LAND TRUST



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Occurrence No.	935	Map Index:	69306	EO Index:	70088	Element Last Seen:	2006-10-31
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2006-10-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-07-13	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.22804 / -122.26173		Accuracy:	80 meters			
UTM:	Zone-10 N4231374 E564616		Elevation (ft):	50			
PLSS:	T04N, R04W, Sec. 01, NW (M)		Acres:	0.0			
Location:	NE OF NAPA COUNTY AIRPORT, ABOUT 0.4 MILE NW OF INTERSECTION OF HWYS 12 AND 29.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE. OBSERVED ON SHOULDER OF DEVLIN RD NEAR WEST SIDE PULLOUT APPROXIMATELY 100 M NORTH OF SHEEHY CT.						
Ecological:	FLAT, RUDERAL SHOULDER OF DEVLIN RD. LACTUCA SERRIOLA, BRASSICA NIGRA, PICHRS ESCHIODES. SHOULDER BANKS TO THE WEST ABOVE A MOWED ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM AND HORDEUM SP.						
General:	WINTERING SITE. 1 ADULT OBSERVED ON 31 OCT 2006. NO BURROW OR WHITEWASH OBSERVED; OWL MAY HAVE FLUSHED FROM CONCRETE UTILITY BOX PARTLY COVERED WITH PLYWOOD.						
Owner/Manager:	UNKNOWN						

<i>Geothlypis trichas sinuosa</i>		Element Code: ABPBX1201A	
saltmarsh common yellowthroat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T3
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: RESIDENT OF THE SAN FRANCISCO BAY REGION, IN FRESH AND SALT WATER MARSHES.		
	Micro: REQUIRES THICK, CONTINUOUS COVER DOWN TO WATER SURFACE FOR FORAGING; TALL GRASSES, TULE PATCHES, WILLOWS FOR NESTING.		

Occurrence No.	90	Map Index:	59862	EO Index:	59898	Element Last Seen:	2004-06-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-02-04	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.20185 / -122.06517		Accuracy:	nonspecific area			
UTM:	Zone-10 N4228624 E581850		Elevation (ft):	9			
PLSS:	T04N, R02W, Sec. 10 (M)		Acres:	45.6			
Location:	FROM JUST NORTH OF, TO 0.5 MILE SW OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFIELD.						
Detailed Location:	LOCATION MAPPED ACCORDING TO UTM COORDINATES. A PORTION OF THIS SITE IS PARALLEL TO THE WEST SIDE OF THE RAILROAD TRACKS.						
Ecological:	HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP. CURRENT/SURROUNDING LAND USE: AGRICULTURE.						
General:	4-11 DETECTED AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.						
Owner/Manager:	DFG-GRIZZLY ISLAND WA, UNK						

<i>Melospiza melodia maxillaris</i>		Element Code: ABPBXA301K	
Suisun song sparrow			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T3
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.		



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Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No.	23	Map Index:	59862	EO Index:	60432	Element Last Seen:	2004-06-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-03-08	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.20185 / -122.06517			Accuracy:	nonspecific area		
UTM:	Zone-10 N4228624 E581850			Elevation (ft):	9		
PLSS:	T04N, R02W, Sec. 10 (M)			Acres:	45.6		
Location:	FROM JUST NORTH OF, TO 0.5 MILE SW OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFIELD.						
Detailed Location:	LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN. A PORTION OF THIS SITE IS PARALLEL TO THE WEST SIDE OF THE RAILROAD TRACKS.						
Ecological:	HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP. CURRENT/SURROUNDING LAND USE: AGRICULTURE.						
General:	5-11 DETECTIONS AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.						
Owner/Manager:	DFG-GRIZZLY ISLAND WA, UNK						

Occurrence No.	35	Map Index:	09538	EO Index:	60891	Element Last Seen:	1947-04-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1947-04-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-04-05	
Quad Summary:	Fairfield South (3812221), Cordelia (3812222)						
County Summary:	Solano						
Lat/Long:	38.21157 / -122.12692			Accuracy:	1 mile		
UTM:	Zone-10 N4229650 E576433			Elevation (ft):			
PLSS:	T04N, R02W, Sec. 07 (M)			Acres:	0.0		
Location:	CORDELIA.						
Detailed Location:	1910, 1940: LOCATION GIVEN AS "CORDELIA". 1947: LOCATION GIVEN AS "0.7 MI E CORDELIA".						
Ecological:							
General:	1 COLLECTED (MVZ #17284) ON 1 DEC 1910. 5 COLLECTED (MVZ #86757-86761) ON 8 JUL 1940. 4 COLLECTED (MVZ #96791-96794) ON 27 APR 1947.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	36	Map Index:	60856	EO Index:	60892	Element Last Seen:	1946-09-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1946-09-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-04-05	
Quad Summary:	Fairfield South (3812221), Cordelia (3812222)						
County Summary:	Solano						
Lat/Long:	38.18013 / -122.12220			Accuracy:	1 mile		
UTM:	Zone-10 N4226165 E576879			Elevation (ft):			
PLSS:	T04N, R02W, Sec. 19 (M)			Acres:	0.0		
Location:	AREA 3.5 MILES SSE OF CORDELIA.						
Detailed Location:	1909, 1946: COLLECTIONS OCCURRED ALONG UNSPECIFIED PORTION(S) OF CORDELIA SLOUGH. 1940: AREA MAPPED TO INCLUDE THE LOCATION GIVEN AS "3 MI SE CORDELIA" AND THE UTM COORDINATES PROVIDED BY MVZ.						
Ecological:							
General:	19 COLLECTED (MVZ #10579-10597) 5, 6 NOV 1909. 6 COLLECTED (MVZ #86751-86756) ON 13 MAY 1940. 12 COLLECTED (MVZ #96510-96521) ON 15, 22 SEP 1946.						
Owner/Manager:	DFG-GRIZZLY ISLAND WA, UNK						

<i>Agelaius tricolor</i>	Element Code: ABPBXB0020						
tricolored blackbird							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2G3		
	State:	None		State:	S1S2		
Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern						
Habitat:	General:	HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.					
	Micro:	REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.					

Occurrence No.	194	Map Index:	21516	EO Index:	20714	Element Last Seen:	1992-04-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1992-05-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1992-06-08	
Quad Summary:	Cuttings Wharf (3812223)						
County Summary:	Napa						
Lat/Long:	38.21921 / -122.26052			Accuracy:	specific area		
UTM:	Zone-10 N4230396 E564731			Elevation (ft):	75		
PLSS:	T04N, R04W, Sec. 01, SW (M)			Acres:	4.1		
Location:	JUST SOUTHWEST OF THE JUNCTION OF AVIATION WAY AND HWY 29, 0.8 MI EAST OF THE NAPA AIRPORT.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF AN ARTIFICIAL POND, FORMED DURING THE EXCAVATION FOR THE GAS WELL ON THE SOUTH SIDE OF THE ROAD, SURROUNDED BY TULE, WILLOWS, OAK, AND VETCH. COMMON MOORHEN ALSO NESTED HERE IN 1991 AND 1992.						
General:	THIS COLONY SITE HAS BEEN VISITED FOR AT LEAST THE LAST 5 YEARS; NESTING TRICOLOREDS WERE FIRST FOUND HERE ON 2 JUNE 1991. 100+ ADULT BIRDS WERE OBSERVED NEST-BUILDING ON 22 MARCH AND 24 APRIL 1992; BIRDS HAD ABANDONED THE SITE BY 18 MAY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	243	Map Index:	23964	EO Index:	7153	Element Last Seen:	1993-05-13
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1993-05-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1993-08-17	

Quad Summary: Cuttings Wharf (3812223)

County Summary: Napa

Lat/Long:	38.20446 / -122.25746	Accuracy:	80 meters
UTM:	Zone-10 N4228761 E565011	Elevation (ft):	60
PLSS:	T04N, R04W, Sec. 12, SW (M)	Acres:	0.0

Location: WEST SIDE OF HWY 29, 1 MILE SOUTH OF AVIATION WAY/HWY 29 JUNCTION, SOUTH OF NAPA.
Detailed Location: PONDS ARE LOCATED ALONG HWY 29, BEHIND AN AUTO DISMANTLER.
Ecological: HABITAT CONSISTS OF TWO FRESHWATER PONDS SUPPORTING CATTAILS, WILLOWS, AND BULRUSH.
General: 250 ADULTS OBSERVED NESTING.
Owner/Manager: PVT

Occurrence No.	244	Map Index:	23963	EO Index:	7154	Element Last Seen:	1993-06-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1993-06-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1993-08-17	

Quad Summary: Cuttings Wharf (3812223), Napa (3812233)

County Summary: Napa

Lat/Long:	38.24707 / -122.27947	Accuracy:	2/5 mile
UTM:	Zone-10 N4233474 E563047	Elevation (ft):	15
PLSS:	T05N, R04W, Sec. 26 (M)	Acres:	0.0

Location: EAST SIDE OF NAPA RIVER, JUST NORTH OF THE HWY 29 BRIDGE, SOUTH OF NAPA.
Detailed Location:
Ecological: HABITAT IS A FRESHWATER MARSH CREATED AS A BORROW DURING CONSTRUCTION OF THE BRIDGE.
General: 100 ADULTS OBSERVED NESTING IN 1993.
Owner/Manager: UNKNOWN



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<i>Spirinchus thaleichthys</i>		Element Code: AFCHB03010	
longfin smelt			
Listing Status:	Federal: Candidate	CNDDDB Element Ranks:	Global: G5
	State: Threatened		State: S1
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: EURYHALINE, NEKTONIC & ANADROMOUS. FOUND IN OPEN WATERS OF ESTUARIES, MOSTLY IN MIDDLE OR BOTTOM OF WATER COLUMN.		
	Micro: PREFER SALINITIES OF 15-30 PPT, BUT CAN BE FOUND IN COMPLETELY FRESHWATER TO ALMOST PURE SEAWATER.		

Occurrence No.	30	Map Index: 89747	EO Index: 90754	Element Last Seen: 2008-12-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2008-12-XX
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated: 2013-07-26
Quad Summary:	Fairfield South (3812221)			
County Summary:	Solano			
Lat/Long:	38.21031 / -122.03495		Accuracy:	nonspecific area
UTM:	Zone-10 N4229590 E584487		Elevation (ft):	0
PLSS:	T04N, R02W, Sec. 12 (M)		Acres:	1709.0
Location:	UPPER SUISUN SLOUGH AND TRIBUTARIES (FROM N: PEYTONIA, BOYNTON, CUTOFF, & SPRING BRANCH SLOUGHS), S OF FAIRFIELD.			
Detailed Location:	10 STATIONS IN 5 SLOUGHS, SAMPLED BY OTTER TRAWL MONTHLY FROM 1980-2008 (ADDITIONAL BEACH SEINES AND MIDWATER TRAWLS IN SUISUN SLOUGH).			
Ecological:	REARING/SPAWNING HABITAT. SALINITY GRADIENT, DECREASES TO N. LOW DO IN SHALLOWER TRIBS. CPUE INFLUENCED BY DELTA OUTFLOW. YOY CATCH PEAKED MAR-APR WITH SALTWATER INTRUSION FROM SUISUN BAY. ADULTS CAUGHT IN FALL, MIGRATING UPSTREAM TO SPAWN.			
General:	LONGFIN SMELT CPUE WAS HIGH IN THE EARLY 1980S, LOW THROUGH DRY YEARS OF LATE 80S AND EARLY 90S, INCREASED IN LATE 90S - EARLY 2000S, AND DECLINED AGAIN TO LOW LEVELS BEGINNING IN 2005.			
Owner/Manager:	STATE, DFG, UNKNOWN			



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Sorex ornatus sinuosus		Element Code: AMABA01103	
Suisun shrew			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T1T2Q
	State: None		State: S1S2
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: TIDAL MARSHES OF THE NORTHERN SHORES OF SAN PABLO AND SUISUN BAYS.		
	Micro: REQUIRE DENSE LOW-LYING COVER AND DRIFTWEED AND OTHER LITTER ABOVE THE MEAN HIGHTIDE LINE FOR NESTING AND FORAGING.		

Occurrence No.	5	Map Index: 09762	EO Index: 6957	Element Last Seen:	1952-02-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1952-02-08
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10

Quad Summary: Fairfield South (3812221), Fairfield North (3812231)
County Summary: Solano

Lat/Long:	38.23699 / -122.05303	Accuracy:	1 mile
UTM:	Zone-10 N4232534 E582873	Elevation (ft):	5
PLSS:	T05N, R02W, Sec. 35 (M)	Acres:	0.0

Location: SUISUN CITY SALT MARSH, ADJ TO CORDELIA ST.
Detailed Location:
Ecological:
General: MVZ #115592-115595.
Owner/Manager: PVT

Occurrence No.	6	Map Index: 09538	EO Index: 24368	Element Last Seen:	1952-02-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1952-02-08
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10

Quad Summary: Fairfield South (3812221), Cordelia (3812222)
County Summary: Solano

Lat/Long:	38.21157 / -122.12692	Accuracy:	1 mile
UTM:	Zone-10 N4229650 E576433	Elevation (ft):	20
PLSS:	T04N, R02W, Sec. 07 (M)	Acres:	0.0

Location: 0.5 MI NE OF CORDELIA SALT MARSH.
Detailed Location:
Ecological:
General: FIVE MVZ SPECIMENS FROM 1951 & 1952. MVZ #115558 - 115561 & 115587. ALSO UCLA #E547.
Owner/Manager: UNKNOWN



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<i>Reithrodontomys raviventris</i>		Element Code: AMAFF02040	
salt-marsh harvest mouse			
Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G1G2
	State: Endangered		State: S1S2
	Other: CDFW_FP-Fully Protected, IUCN_EN-Endangered		
Habitat:	General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.		
	Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.		

Occurrence No.	143	Map Index:	37620	EO Index:	32622	Element Last Seen:	1990-05-04
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1990-05-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-11-13	
Quad Summary:	Cordelia (3812222)						
County Summary:	Solano						
Lat/Long:	38.17873 / -122.12931			Accuracy:	nonspecific area		
UTM:	Zone-10 N4226004 E576259			Elevation (ft):	1		
PLSS:	T04N, R02W, Sec. 19, NW (M)			Acres:	17.2		
Location:	EAST OF HIGHWAY 680, SE OF GOLD HILLS ROAD OVERCROSSING, 2.2 MILES SOUTH OF CORDELIA.						
Detailed Location:	TIDALLY INFLUENCED BRACKISH MARSH/DRAINAGE DITCH WEST OF THE GOLDEN GATE CLUB.						
Ecological:	BRACKISH MARSH - ALKALI BULRUSH, CALIFORNIA TULE, OLNEY'S BULRUSH AND CATTAIL, PICKLEWEED AND SEDGE UNDERSTORY.						
General:	3 CAPTURED 1989. 3 CAPTURED 1990 (0.6 MICE PER 100 TRAPNIGHTS).						
Owner/Manager:	PVT						

Occurrence No.	198	Map Index:	93545	EO Index:	94680	Element Last Seen:	2008-06-27
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2008-06-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-12-03	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.20322 / -122.06394			Accuracy:	specific area		
UTM:	Zone-10 N4228777 E581956			Elevation (ft):	10		
PLSS:	T04N, R02W, Sec. 11 (M)			Acres:	22.0		
Location:	1.1 MI NE OF JACKSNIPE RD AT CHADBOURNE RD, 2.5 MI WSW OF SUISUN HILL, 4 MI ESE OF CORDELIA, GRIZZLY ISLAND WA.						
Detailed Location:	GREY GOOSE UNIT OF GRIZZLY ISLAND WA. MAPPED TO PROVIDED COORDINATES AND GRIDS GIVEN ON MAP.						
Ecological:	HABITAT CONSISTED OF A TIDAL WETLAND AND DFG MITIGATION AREA. DOMINANT VEGETATION: SCHOENOPLECTUS AMERICANUS, SALICORNIA VIGINICA, TRIGLOCHIN MARITIMA AND DISTICHLIS SPICATA.						
General:	58 (52 ADULTS, 6 JUVENILES) CAPTURED (+ 67 RECAPTURES) DURING 400 TRAP NIGHTS BETWEEN 24-27 JUN 2008.						
Owner/Manager:	DFG-GRIZZLY ISLAND WA						

<i>Emys marmorata</i>		Element Code: ARAAD02030	
western pond turtle			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3G4
	State: None		State: S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive		
Habitat:	General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.		



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Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Occurrence No.	538	Map Index:	46551	EO Index:	46551	Element Last Seen:	2001-04-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-04-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-12-12	
Quad Summary:	Cordelia (3812222)						
County Summary:	Napa						
Lat/Long:	38.23294 / -122.20774			Accuracy:	nonspecific area		
UTM:	Zone-10 N4231957 E569338			Elevation (ft):	840		
PLSS:	T05N, R03W, Sec. 33, SW (M)			Acres:	7.7		
Location:	0.7 MILE WEST OF ELKHORN POINT, NORTH OF VALLEJO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF AN AGRICULTURAL RESERVOIR/CATTLE POND; SURROUNDED BY GRASSLANDS, WIND-BREAK EXOTIC TREES, AND OAK WOODLANDS. SITE IS PROPOSED FOR EXPANSION FROM 49 TO 75 ACRE-FEET FOR VINEYARD IRRIGATION.						
General:	15+ INDIVIDUALS OBSERVED ON 2 APR 2001.						
Owner/Manager:	PVT						

Occurrence No.	600	Map Index:	54936	EO Index:	54936	Element Last Seen:	2004-03-24
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2004-03-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-03-29	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.18311 / -122.08119			Accuracy:	80 meters		
UTM:	Zone-10 N4226530 E580468			Elevation (ft):	0		
PLSS:	T04N, R02W, Sec. 22 (M)			Acres:	0.0		
Location:	VICINITY OF CHADBOURNE SLOUGH, 4 MILES SSW OF FAIRFIELD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DRAINAGE WATER (WHICH IS PUMPED INTO CHADBOURNE SLOUGH) FROM DUCK CLUBS; CHANNEL LINED WITH TYPHA SP. AND DISTICHLIS SPICATA.						
General:	1 ADULT OBSERVED ON 24 MAR 2004.						
Owner/Manager:	PVT						



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Occurrence No.	625	Map Index:	57975	EO Index:	57991	Element Last Seen:	2004-08-26
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2004-08-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-11-08	

Quad Summary: Cordelia (3812222)

County Summary: Solano

Lat/Long:	38.21014 / -122.15479	Accuracy:	specific area
UTM:	Zone-10 N4229469 E573995	Elevation (ft):	100
PLSS:	T04N, R03W, Sec. 11, NE (M)	Acres:	4.0

Location: 0.25 MILE WNW OF THE JUNCTION OF HIGHWAY 12 AND I-80, SW OF CORDELIA JUNCTION.

Detailed Location:

Ecological: HABITAT CONSISTS OF A LARGE POND/FRESHWATER MARSH; DOMINATED BY A DENSE STAND OF CATTAILS, WITH SOME OPEN WATER, AND PLANTS ALONG THE PERIMETER INCLUDE SALIX, QUERCUS AGRIFOLIA, DIPSACUS FOLLONUM, ELEOCHARIS MACROSTACHYA, JUNCUS XIPHIODES.

General: 5-20 INDIVIDUALS OF VARIOUS AGES OBSERVED DURING 5 VISITS BETWEEN 6 MAY-26 AUG 2004.

Owner/Manager: PVT

Desmocerus californicus dimorphus **Element Code:** IICOL48011

valley elderberry longhorn beetle

Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G3T2
	State: None		State: S2
	Other:		

Habitat: **General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).
Micro: PREFERS TO LAY EGGS IN ELDERBERRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No.	92	Map Index:	33024	EO Index:	3709	Element Last Seen:	1991-06-18
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1991-06-18	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-08-11	

Quad Summary: Fairfield North (3812231)

County Summary: Solano

Lat/Long:	38.29252 / -122.09877	Accuracy:	80 meters
UTM:	Zone-10 N4238655 E578811	Elevation (ft):	140
PLSS:	T05N, R02W, Sec. 08 (M)	Acres:	0.0

Location: UNNAMED TRIBUTARY TO LEDGEWOOD CREEK, ALONG CLAYTON ROAD, 0.5 MILE NE OF GORDON VALLEY ROAD, 3 MILES NW OF FAIRFIELD.

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

Ecological: HABITAT CONSISTS OF ELDERBERRIES GROWING ALONG A CREEK IN AN ORCHARD.

General: 4-5 CLUMPS OF ELDERBERRY; 1 OLD HOLE IN DEAD WOOD OBSERVED.

Owner/Manager: PVT



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Occurrence No.	93	Map Index: 26483	EO Index: 3517	Element Last Seen:	1991-06-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1998-08-11
Quad Summary:	Fairfield North (3812231)				
County Summary:	Solano				
Lat/Long:	38.30257 / -122.10662		Accuracy:	specific area	
UTM:	Zone-10 N4239764 E578113		Elevation (ft):	145	
PLSS:	T05N, R02W, Sec. 05 (M)		Acres:	13.9	
Location:	GORDON VALLEY CREEK, IN THE VICINITY OF THE BRIDGE ON GORDON VALLEY ROAD (#B174), 4 MILES NW OF FAIRFIELD.				
Detailed Location:	REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.				
Ecological:	HABITAT CONSISTS OF ONE RATHER LARGE, RELATIVELY YOUNG, ELDERBERRY CLUMP WITH MANY TRUNKS, AND 1 SMALL CLUMP ACROSS THE CREEK; SURROUNDED BY ORCHARDS AND FARMLAND.				
General:	POSSIBLE OLD EXIT HOLES IN DEAD WOOD OBSERVED.				
Owner/Manager:	PVT				
Occurrence No.	211	Map Index: 65054	EO Index: 65133	Element Last Seen:	2004-05-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2004-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-07-10
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.23286 / -122.11258		Accuracy:	80 meters	
UTM:	Zone-10 N4232024 E577666		Elevation (ft):	40	
PLSS:	T05N, R02W, Sec. 32, SW (M)		Acres:	0.0	
Location:	ALONG SUISUN CREEK, ABOUT 0.1 MI NORTH OF I-80.				
Detailed Location:	RIPARIAN AREA ALONG BIKE TRAIL.				
Ecological:	RIPARIAN HABITAT ALONG SUISUN CREEK; CANOPY DOMINATED BY QUERCUS AND JUGLANS SP. HOST PLANT (SAMBUCUS MEXICANA) FORMS A DISCONTINUOUS UNDERSTORY, OR IN SOME PLACES, COLONIES.				
General:	PRESENCE OF BORE HOLES FOUND IN A NUMBER OF DEAD BRANCHES/TRUNKS OF BLUE ELDERBERRY ALONG RIPARIAN CORRIDOR.				
Owner/Manager:	FAIRFIELD-SUISUN SEWER DIST				



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Occurrence No.	230	Map Index: 94737	EO Index: 95848	Element Last Seen:	2013-04-10
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2013-04-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-12-18
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.20269 / -122.10169		Accuracy:	80 meters	
UTM:	Zone-10 N4228686 E578651		Elevation (ft):	1	
PLSS:	T04N, R02W, Sec. 08, SE (M)		Acres:	0.0	
Location:	ABOUT 1.3 MI NW OF CHADBOURNE RD AT JACKSNIPE RD, 1.5 MI SSE OF CORDELIA RD & THOMASSON LN JCT, JUST W OF SUISUN CK.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. PROVIDED LOCATION DESCRIPTION OF "SUISUN CREEK, ABOUT 2.1 MILES SOUTH OF HIGHWAY I-80." SHRUB LOCATED ON S SIDE OF SW-NE ORIENTED CANAL.				
Ecological:	RIPARIAN HABITAT. CANOPY DOMINATED BY SALIX LAEVIGATA, SALIX EXIGUA, JUGLANS CALIFORNIA, AND SAMBUCUS MEXICANA. HOST PLANT (S. MEXICANA) OCCURRED IN PATCHES ALONG THE CREEK. SURROUNDING LAND USED WAS AGRICULTURE AND SEASONAL WETLANDS.				
General:	UNKNOWN NUMBER OF BORE HOLES FOUND IN SEVERAL DEAD BRANCHES/TRUNKS ON 10 APR 2013.				
Owner/Manager:	UNKNOWN				
Occurrence No.	299	Map Index: 95303	EO Index: 96433	Element Last Seen:	2004-XX-XX
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	2004-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-02-26
Quad Summary:	Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.23229 / -122.13219		Accuracy:	1/5 mile	
UTM:	Zone-10 N4231945 E575950		Elevation (ft):	50	
PLSS:	T05N, R02W, Sec. 31, SW (M)		Acres:	0.0	
Location:	GENERAL AREA N OF WESTAMERICA DR, ABOUT 0.6 MI NNW OF I-80 & SUISUN VALLEY RD INTERSECTION, 1.1 MI NE OF CORDELIA JCT.				
Detailed Location:	MAPPED ACCORDING TO ORIGINAL LOCATION OF ELDERBERRY SHRUBS, PRIOR TO BEING TRANSPLANTED. SHRUBS TRANSPLANTED ABOUT 1 MI SW TO GREEN VALLEY CREEK RESTORATION SITE (GVCRS), JUST NW OF GREEN VALLEY CREEK & MANGELS BLVD INTERSECTION.				
Ecological:	APPROXIMATE LOCATION OF TRANSPLANTS AT GVCRS WAS -122.1482, 38.221 (NAD83). PLANTS WERE SUCCESSFULLY TRANSPLANTED, HOWEVER, DATA IS LACKING AS TO THE SUCCESS OF VELB TRANSLOCATION AT NEW LOCATION ALONG GREEN VALLEY CREEK.				
General:	1 ELDERBERRY W/ 5 EXIT HOLES WAS OBSERVED IN 2004. THIS SHRUB & 1 ADDITIONAL SHRUB WERE TRANSPLANTED DUE TO CONSTRUCTION ACTIVITIES AT THIS AREA. NO VELB OR EXIT HOLES OBS AT NEW LOCATION IN 2005-06. FURTHER MONITORING REQUIRED AT NEW SITE.				
Owner/Manager:	PVT				



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<i>Bombus occidentalis</i>		Element Code: IIHYM24250	
western bumble bee			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2G3
	State: None		State: S1
	Other: USFS_S-Sensitive, XERCES_IM-Imperiled		
Habitat:	General: ONCE COMMON & WIDESPREAD, SPECIES HAS DECLINED PRECIPITOUSLY FROM CENTRAL CA TO SOUTHERN B.C., PERHAPS FROM DISEASE.		
	Micro: <input type="checkbox"/>		

Occurrence No.	179	Map Index:	98510	EO Index:	99945	Element Last Seen:	1962-08-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1962-08-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-12-15		

Quad Summary: Cordelia (3812222)
County Summary: Napa, Solano

Lat/Long:	38.15173 / -122.21651	Accuracy:	1 mile
UTM:	Zone-10 N4222940 E568646	Elevation (ft):	400
PLSS:	T04N, R03W, Sec. 32 (M)	Acres:	0.0

Location: HILLS NORTHEAST OF VALLEJO.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS A BEST GUESS IN THE HILLS BETWEEN VALLEJO AND AMERICAN CANYON CREEK.
Ecological:
General: COLLECTED 16 AUG 1962.
Owner/Manager: UNKNOWN



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<i>Speyeria callippe callippe</i>		Element Code: IILEPJ6091	
callippe silverspot butterfly			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G5T1
	State: None		State: S1
	Other: XERCES_CI-Critically Imperiled		
Habitat:	General: RESTRICTED TO THE NORTHERN COASTAL SCRUB OF THE SAN FRANCISCO PENINSULA.		
	Micro: HOSTPLANT IS VIOLA PEDUNCULATA. MOST ADULTS FOUND ON E-FACING SLOPES; MALES CONGREGATE ON HILLTOPS IN SEARCH OF FEMALES.		

Occurrence No.	14	Map Index:	90485	EO Index:	91604	Element Last Seen:	2009-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-09-26	
Quad Summary:	Vine Hill (3812211), Benicia (3812212), Mare Island (3812213), Fairfield South (3812221), Cordelia (3812222), Cuttings Wharf (3812223)						
County Summary:	Napa, Solano						
Lat/Long:	38.14249 / -122.16399		Accuracy:	5 miles			
UTM:	Zone-10 N4221955 E573257		Elevation (ft):				
PLSS:	T04N, R03W, Sec. 35 (M)		Acres:	0.0			
Location:	CORDELIA HILLS, BETWEEN VALLEJO AND CORDELIA.						
Detailed Location:	EXACT LOCATIONS UNKNOWN; OBSERVED AND PHOTOGRAPHED AT "KING/SWETT RANCH, ALONG ST JOHN'S MINE ROAD, AT HUNTER HILL, AND AROUND LAKE HERMAN."						
Ecological:	ONE OF 2 EXTANT POPULATIONS OF CALLIPPE SILVERSPOT BUTTERFLIES THAT THE FISH AND WILDLIFE SERVICE RECOGNIZES (FWS 2009).						
General:	POPULATIONS FOUND NEAR SAINT JOHN MINE & KING RANCH IN MAY AND JUNE 1980. OBSERVED DURING 2006 SURVEY. OBSERVED AT KING & SWETT RANCH AREA SPRING 2009.						
Owner/Manager:	UNKNOWN						



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<i>Danaus plexippus pop. 1</i>		Element Code: IILEPP2012	
monarch - California overwintering population			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4T2T3
	State: None		State: S2S3
	Other: USFS_S-Sensitive		
Habitat:	General: WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.		
	Micro: ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.		
Occurrence No.	23	Map Index: 09717	EO Index: 12915
Occ. Rank:	Unknown	Presence: Presumed Extant	Element Last Seen: 1979-XX-XX
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 1979-XX-XX
			Record Last Updated: 2016-01-07
Quad Summary:	Fairfield South (3812221), Fairfield North (3812231)		
County Summary:	Solano		
Lat/Long:	38.24546 / -122.06330	Accuracy:	1 mile
UTM:	Zone-10 N4233464 E581965	Elevation (ft):	20
PLSS:	T05N, R02W, Sec. 26 (M)	Acres:	0.0
Location:	WEST SIDE OF FAIRFIELD.		
Detailed Location:	XERCES SITE #3116.		
Ecological:	HABITAT WAS A LONG ROW OF EUCALYPTUS RUNNING N-S ALONG THE WEST SIDE OF THE CITY. A UNIQUE OCCURRENCE BECAUSE IT IS EXTREMELY FAR INLAND (APPROXIMATELY 50 MILES FROM THE OCEAN). EVIDENCE OF PREDATION OBSERVED IN 1976 & 1977-78.		
General:	SUCCESSFUL OVERWINTERING OBSERVED EACH YEAR FROM 1974 TO 1979. APPROXIMATELY 50 INDIVIDUALS OBSERVED 6 NOV, DOWN TO 3 ON 24 DEC 1976. NUMBERS ROOSTING WERE LOWER IN WINTER 1977-78.		
Owner/Manager:	UNKNOWN		



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<i>Cicuta maculata var. bolanderi</i>		Element Code: PDAPI0M051	
Bolander's water-hemlock			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T4
	State: None		State: S2
	Other: Rare Plant Rank - 2B.1		
Habitat:	General: MARSHES AND SWAMPS, FRESH OR BRACKISH WATER.		
	Micro: 0-200 M.		

Occurrence No.	12	Map Index: 74893	EO Index: 75891	Element Last Seen:	1961-08-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1961-08-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-28
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.15506 / -122.09082		Accuracy:	1 mile	
UTM:	Zone-10 N4223410 E579655		Elevation (ft):	1	
PLSS:	T04N, R02W, Sec. 33 (M)		Acres:	0.0	
Location:	CORDELIA SLOUGH IN SUISUN MARSH.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS IN GENERAL VICINITY OF CORDELIA SLOUGH.				
Ecological:					
General:	1961 COLLECTION BY TUCKER "IN LOW-LYING MARSH, CA. 5 MILES SOUTHWEST OF FAIRFIELD" ALSO ATTRIBUTED TO THIS OCCURRENCE.				
Owner/Manager:	UNKNOWN				

<i>Lilaeopsis masonii</i>		Element Code: PDAPI19030	
Mason's lilaeopsis			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: Rare		State: S2
	Other: Rare Plant Rank - 1B.1		
Habitat:	General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.		
	Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10 M.		

Occurrence No.	148	Map Index: 43687	EO Index: 43687	Element Last Seen:	1992-06-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-06-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-09-01
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.19300 / -122.10269		Accuracy:	specific area	
UTM:	Zone-10 N4227609 E578575		Elevation (ft):	5	
PLSS:	T04N, R02W, Sec. 17, E (M)		Acres:	3.2	
Location:	SUISUN CREEK, ALONG MOUTH OF CREEK AS IT ENTERS MARSH, SUISUN MARSH.				
Detailed Location:	MAPPED 1.9 MILES WEST OF JACKSNIPE STATION ALONG SPRR.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.				
Owner/Manager:	UNKNOWN				



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<i>Balsamorhiza macrolepis</i>		Element Code: PDAST11061	
big-scale balsamroot			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive		
Habitat:	General: CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.		
	Micro: SOMETIMES ON SERPENTINE. 90-1555 M.		

Occurrence No.	6	Map Index: 32046	EO Index: 3881	Element Last Seen:	1988-04-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1988-04-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-05-24
Quad Summary:	Cordelia (3812222)				
County Summary:	Napa				
Lat/Long:	38.15996 / -122.22887		Accuracy:	specific area	
UTM:	Zone-10 N4223844 E567556		Elevation (ft):	350	
PLSS:	T04N, R03W, Sec. 30, SE (M)		Acres:	1.4	
Location:	1.1 AIR MILES NORTHEAST OF CHABOT TERRACE.				
Detailed Location:	2 COLONIES MAPPED ON NORTH-FACING SLOPE 1/4 MILE SOUTH OF AMERICAN CANYON ROAD AND AMERICAN CANYON CREEK, AND 0.5 MILE EAST OF FLOSDEN ROAD.				
Ecological:	"BALD HILLS PRAIRIE" (SERPENTINE GRASSLAND?) ASSOCIATED WITH AVENA BARBATA, SISYRINCHIUM BELLUM, AND LUPINUS FORMOSUS. GROWING ON NORTH-FACING SLOPE ON SERPENTINE SOIL.				
General:	ACCORDING TO RUYGT (1988), SITE IS EXCEPTIONAL ASSEMBLAGE OF NATIVE GRASSES AND FORBS. PLANTS NOT COUNTED IN 1988.				
Owner/Manager:	UNKNOWN				

Occurrence No.	7	Map Index: 32047	EO Index: 3882	Element Last Seen:	2011-05-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-05-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-09-20
Quad Summary:	Cordelia (3812222)				
County Summary:	Napa, Solano				
Lat/Long:	38.17763 / -122.21382		Accuracy:	specific area	
UTM:	Zone-10 N4225815 E568857		Elevation (ft):	800	
PLSS:	T04N, R03W, Sec. 20 (M)		Acres:	31.0	
Location:	ROUGHLY 1 AIR MILE WEST AND NW OF THE JUNCTION OF INTERSTATE 80 AND AMERICAN CANYON ROAD, NE OF VALLEJO.				
Detailed Location:	MAPPED BY CNDDDB AS 6 POLYGONS IN THE EAST HALF AND SOUTH HALF OF SECTION 20 AND THE NE 1/4 OF THE NW 1/4 OF SECTION 29.				
Ecological:	GRASSLAND WITH NASELLA PULCHRA, WYETHIA ANGUSTIFOLIA, SYMPHORICARPOS ALBUS, TRIFOLIUM HIRTUM, T. DUBIUM, T. GRACILENTUM, T. ANGUSTIFOLIA, AVENA FATUA, HETEROTHECA, SISYRICHIMUM BELLUM, ERODIUM CICUTARIUM, BELLARDIA TRIXAGO, BROMUS DIANDRUS.				
General:	POPULATIONS IN POLYGONS GOING FROM N TO S: FIRST 90 PLANTS OBSERVED IN 2011; NEXT 33 IN 2011; NEXT 372 IN 2011; NEXT UNKNOWN SIZE IN 1988 & 77 IN 2011; NEXT UNKNOWN IN 1988; LAST UNKNOWN SIZE AND OBSERVATION DATE. INCLUDES FORMER OCC #40.				
Owner/Manager:	SOLANO LAND TRUST, PVT				



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Occurrence No.	15	Map Index: 37778	EO Index: 32785	Element Last Seen:	2010-03-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-03-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-08-13

Quad Summary: Cordelia (3812222)

County Summary: Solano

Lat/Long:	38.22040 / -122.16131	Accuracy:	specific area
UTM:	Zone-10 N4230602 E573413	Elevation (ft):	150
PLSS:	T04N, R03W, Sec. 02, SE (M)	Acres:	1.0

Location: WEST SIDE OF TERMINAL RESERVOIR IN GREEN VALLEY, APPROXIMATELY 1.2 AIR MILES WNW OF CORDELIA JUNCTION.

Detailed Location: POPULATION CONTINUES TO SOUTH ALONG FENCE. MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 2 ACCORDING TO 2010 DIGITAL DATA FROM VOLLMAR CONSULTING.

Ecological: THIN SOIL ON ROCK OUTCROP. ASSOCIATED WITH DICHELOSTEMMA CAPITATUM, VIOLA PEDUNCULATA, VULPIA SPP., SANICULA BIPINNATIFIDA, AND CHLOROGALUM POMERIDIANUM. E-FACING SLOPE.

General: 150 PLANTS OBSERVED IN 2010. A 1933 COLLECTION BY ROSE FROM "ROCKY HILLSLOPES 8 MILES WEST OF FAIRFIELD" IS ALSO ATTRIBUTED TO THIS OCCURRENCE.

Owner/Manager: PVT

Erigeron greenei

Element Code: PDAST3M5G0

Greene's narrow-leaved daisy

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3
	State: None		State: S3
	Other: Rare Plant Rank - 1B.2		

Habitat: **General:** CHAPARRAL.

Micro: SERPENTINE AND VOLCANIC SUBSTRATES, GENERALLY IN SHRUBBY VEGETATION. 90-835 M.

Occurrence No.	16	Map Index: 98100	EO Index: 99510	Element Last Seen:	2009-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-11-05

Quad Summary: Mt. George (3812232), Napa (3812233)

County Summary: Napa

Lat/Long:	38.26801 / -122.23582	Accuracy:	nonspecific area
UTM:	Zone-10 N4235828 E566849	Elevation (ft):	
PLSS:	T05N, R03W, Sec. 19 (M)	Acres:	990.0

Location: SKYLINE WILDERNESS PARK, SOUTHEAST OF NAPA.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB TO ENCOMPASS THE ENTIRE PARK.

Ecological:

General: BASED ON AN AREA CHECKLIST; OBSERVED SOMETIME IN 2007, 2008, AND/OR 2009. NEEDS FIELDWORK.

Owner/Manager: SKYLINE CITIZENS ASSOCIATION

Centromadia parryi ssp. parryi

Element Code: PDAST4R0P2

pappose tarplant

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive		

Habitat: **General:** CHAPARRAL, COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.



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Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420 M.					
Occurrence No.	5	Map Index: 56466	EO Index: 56482	Element Last Seen:	2007-XX-XX
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2007-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-11-27
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.23425 / -122.06256		Accuracy:	1/10 mile	
UTM:	Zone-10 N4232222 E582042		Elevation (ft):	20	
PLSS:	T05N, R02W, Sec. 35, SW (M)		Acres:	0.0	
Location:	APPROXIMATELY 1.4 MILES SW OF SUISUN CITY, NORTH OF CORDELIA ROAD AND SOUTH OF HIGHWAY 12.				
Detailed Location:	IN WEEDY GRASSLAND/RUDERAL AREA; ALONG ROADS. MAPPED ACCORDING TO THE LOCATION ON A BUXTON MAP. A 1907 WALKER COLLECTION FROM "SUISUN" AND A 1933 KECK COLLECTION FROM "1.6 MILES WEST OF SUISUN" ALSO ATTRIBUTED TO THIS SITE.				
Ecological:	DOMINANT SPECIES IN SPRING: LOLIUM MULTIFLORUM AND HORDEUM MARINUM. ASSOCIATED SPECIES: FOENICULUM VULGARE, CENTAUREA SOLSTITIALIS, LEPIDIUM LATIFOLIUM, SOME FRANKENIA SALINA. SITE IS FLAT; HABITAT MILDLY ALKALINE.				
General:	1-2000 PLANTS SEEN IN 2005. REVISITED IN 2007- MOST OF POPULATION EXTIRPATED ACCORDING TO BUXTON. MAIN SOURCE OF INFORMATION IS A 2005 BUXTON FIELD SURVEY FORM. INCLUDES FORMER EO #4.				
Owner/Manager:	PVT-SHELDON OIL				
Occurrence No.	8	Map Index: 09538	EO Index: 56485	Element Last Seen:	1933-10-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1933-10-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-07-26
Quad Summary:	Fairfield South (3812221), Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.21157 / -122.12692		Accuracy:	1 mile	
UTM:	Zone-10 N4229650 E576433		Elevation (ft):	20	
PLSS:	T04N, R02W, Sec. 07 (M)		Acres:	0.0	
Location:	CORDELIA.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF CORDELIA, SOUTH OF CORDELIA JUNCTION.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1933 COLLECTION BY KECK. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	32	Map Index:	83631	EO Index:	87608	Element Last Seen:	2012-08-03
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2012-08-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-07-26	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.22744 / -122.08810			Accuracy:	specific area		
UTM:	Zone-10 N4231444 E579814			Elevation (ft):	25		
PLSS:	T04N, R02W, Sec. 04, SE (M)			Acres:	10.0		
Location:	EITHER SIDE OF CORDELIA ROAD JUST WEST OF INTERSECTION WITH CHADBORNE ROAD, BETWEEN CORDELIA AND SUISUN CITY.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2011 BRONNY COORDINATES AND 2012 HUGHES COORDINATES.						
Ecological:	N POLYGON: ALONG EDGE OF DISKED FIELD AND ACCESS ROAD IN FAR EASTERN PORTION OF PROPERTY. S POLYGON: ALONG EDGE OF A PLOWED FIELD, CENTROMADIA PUNGENS MORE COMMON ALONG THE EDGE OF ROAD.						
General:	N POLYGON: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2010, 4 PLANTS OBSERVED IN 2011. 2 PLANTS OBSERVED IN S POLYGON IN 2012. PREVIOUSLY IDENTIFIED AS C. PARRYI SSP. CONGDONII (FORMER CNDDDB OCCURRENCE #99).						
Owner/Manager:	PVT, UNKNOWN						

Occurrence No.	33	Map Index:	89783	EO Index:	90791	Element Last Seen:	2012-08-30
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2012-08-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-07-26	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.18639 / -122.09054			Accuracy:	80 meters		
UTM:	Zone-10 N4226887 E579645			Elevation (ft):	6		
PLSS:	T04N, R02W, Sec. 16, SE (M)			Acres:	0.0		
Location:	BETWEEN PELTIER SLOUGH AND CHADBOURNE SLOUGH, APPROXIMATELY 1.3 AIR MILES WSW OF JACKSNIPE.						
Detailed Location:	MAPPED ACCORDING TO 2012 COORDINATES FROM BRONNY.						
Ecological:	HERBACEOUS-DOMINATED RUDERAL HABITAT CONSISTING OF HORDEUM MURINUM, FESTUCA PERENNIS, CONVULVULUS ARVENSIS, BROMUS HORDEACEUS, LACTUCA SPP., AND LEPIDIUM LATIFOLIUM.						
General:	APPROXIMATELY 10 PLANTS OBSERVED IN 2012.						
Owner/Manager:	PVT						

<i>Lasthenia conjugens</i>		Element Code: PDAST5L040	
Contra Costa goldfields			
Listing Status:	Federal: Endangered	CNDDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other: Rare Plant Rank - 1B.1, SB_UCBBG-UC Berkeley Botanical Garden		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, ALKALINE PLAYAS, CISMONTANE WOODLAND.		
	Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-470 M.		



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Occurrence No.	1	Map Index: 12185	EO Index: 9584	Element Last Seen: 2005-05-01
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 2005-05-01
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated: 2011-08-31

Quad Summary: Cuttings Wharf (3812223)
County Summary: Napa

Lat/Long:	38.24444 / -122.26556	Accuracy:	specific area
UTM:	Zone-10 N4233192 E564267	Elevation (ft):	100
PLSS:	T05N, R04W, Sec. 26, SE (M)	Acres:	21.0

Location: SUSCOL RIDGE, JUST NORTH OF SUSCOL CREEK, 4 MILES SOUTH OF NAPA, ABOUT 1 MILE EAST OF HISTORICAL SETTLEMENT OF SUSCOL.

Detailed Location: EAST SIDE OF HWY 221 (HWYS 12 AND 29). MAPPED BY CNDDDB TO ENCOMPASS POOLS SHOWN ON A 1993 MAP BY RUYGT. WITHIN THE SW 1/4 OF SW 1/4 OF SECTION 25, THE SE 1/4 OF SE 1/4 OF SECTION 26, AND THE NE 1/4 OF NE 1/4 OF SECTION 35.

Ecological: IN VOLCANIC VERNAL POOLS ASSOCIATED WITH LEGENERE LIMOSA, PSILOCARPUS, LASTHENIA, AND PLEUROPOGON CALIFORNICUS. REMNANT OF VALLEY GRASSLAND/WILDFLOWER FIELD.

General: 10,000+ PLANTS SEEN IN 1983, <1000 IN 1987 AND <100 IN '88 (LOW RAINFALL), NONE SEEN IN 1990 (TOO DRY), MORE THAN 10,000 IN 1991 AND 1993, 18,000+ IN 1995. 1000+ IN 2005 IN ONE POOL, UNABLE TO ACCESS SMALLER POOLS.

Owner/Manager: PVT-RICHLAND CORP

Occurrence No.	3	Map Index: 09732	EO Index: 16733	Element Last Seen: 2005-04-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2005-04-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2013-06-24

Quad Summary: Fairfield South (3812221)
County Summary: Solano

Lat/Long:	38.23502 / -122.05851	Accuracy:	specific area
UTM:	Zone-10 N4232311 E582396	Elevation (ft):	10
PLSS:	T05N, R02W, Sec. 35 (M)	Acres:	72.0

Location: VICINITY OF CORDELIA ROAD CROSSING OF LEDGEWOOD CREEK, SOUTH OF STATE ROUTE 12 AND WEST OF SUISUN CITY.

Detailed Location: SEVERAL POLYGONS MAPPED ACCORDING TO MAPS FROM 1985, 1991, & 1994 AND 2007 DIGITAL DATA FROM VOLLMAR CONSULTING. MAPPED WITHIN THE NE 1/4 AND THE WEST HALF OF SECTION 35, AND THE NW 1/4 OF THE NW 1/4 OF SECTION 2.

Ecological: DISTURBED GRASSLAND AND SWALES. IN VERNAL DRAINAGE IN PASTURE WITH VERNAL POOL. WITH HORDEUM GENICULATUM, LOLIUM MULTIFLORUM, LASTHENIA GLABERRIMA, COTULA CORONOPIFOLIA, FRANKENIA, ERYNGIUM, PSILOCARPUS BREVISSIMUS, AND BRODIAEA CORONARIA.

General: POPULATION NUMBERS ARE FOR PARTS OF OCCURRENCE: >100 PLANTS SEEN IN 1981, ~1,000 PLANTS IN 1985, <100 IN 1988, ~75 IN 1991, 1,000S IN 1993, ~1,500 IN 1994, 6,500 IN 1999. 10,000 IN 2002, 1,120 IN 2005. INCLUDES FORMER EO#S 9 & 19.

Owner/Manager: PVT



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Occurrence No.	33	Map Index:	42506	EO Index:	42506	Element Last Seen:	1998-05-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1998-05-08	Record Last Updated:	2000-03-07
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.21325 / -122.11662	Accuracy:	1/10 mile				
UTM:	Zone-10 N4229844 E577333	Elevation (ft):	10				
PLSS:	T04N, R02W, Sec. 07 (M)	Acres:	0.0				
Location:	CORDELIA, ALONG CORDELIA ROAD ABOUT 0.7 MILE EAST OF PITMAN ROAD, SOUTHWEST OF FAIRFIELD.						
Detailed Location:	SITE IS 30 METERS SOUTH OF CORDELIA ROAD AND 0.7 MILE EAST OF JUNCTION WITH PITMAN ROAD. MAPPED AT BEND IN ROAD BETWEEN CORDELIA ROAD AND RAILROAD TRACKS.						
Ecological:	GROWING IN GRASSY CAUSEWAY AND ALONG BANKS OF A POND.						
General:	CHAN PROVIDES SITE DESCRIPTION "STRAY INDIVIDUALS GROWING ON GRASSY CAUSEWAY; DISPERSED FROM DENSE PATCHES GROWING ALONG SHARED POND OF ADJACENT PROPERTY." OBSERVED IN 1996 AND 1998.						
Owner/Manager:	PVT						

<i>Symphotrichum lentum</i>		Element Code: PDASTE8470					
Suisun Marsh aster							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2		
	State:	None		State:	S2		
	Other:	Rare Plant Rank - 1B.2, SB_RSABG-Rancho Santa Ana Botanic Garden, SB_USDA-US Dept of Agriculture					
Habitat:	General:	MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).					
	Micro:	MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3 M.					

Occurrence No.	9	Map Index:	09843	EO Index:	17227	Element Last Seen:	2012-07-27
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2012-07-27	Record Last Updated:	2013-08-09
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Denverton (3812128), Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.22335 / -122.03362	Accuracy:	specific area				
UTM:	Zone-10 N4231038 E584588	Elevation (ft):	0				
PLSS:	T04N, R02W, Sec. 01 (M)	Acres:	1561.0				
Location:	NORTH END OF SUISUN SLOUGH INCLUDING SIDE CREEKS AND SLOUGHS, FROM SUISUN CITY SOUTH TO CUTOFF SLOUGH.						
Detailed Location:	NUMEROUS COLONIES MAPPED ALONG MUCH OF HILL SLOUGH, PEYTONIA SLOUGH, BOYNTON SLOUGH, AND SHELDRAKE SLOUGH.						
Ecological:	BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.						
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM DWR REPORT (1994). INCLUDES NUMEROUS COLLECTIONS AND OBSERVATIONS FROM 1904 THROUGH 2012. INCLUDES FORMER OCCURRENCES #10, 11, 22, 99, & 100.						
Owner/Manager:	DFG, TNC, PVT, OTHERS						



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Occurrence No.	56	Map Index:	37565	EO Index:	32567	Element Last Seen:	1989-08-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1989-08-XX	Record Last Updated:	1998-09-03
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Cordelia (3812222)						
County Summary:	Solano						
Lat/Long:	38.18045 / -122.13159		Accuracy:	80 meters			
UTM:	Zone-10 N4226193 E576057		Elevation (ft):	10			
PLSS:	T04N, R02W, Sec. 19, NW (M)		Acres:	0.0			
Location:	EAST SIDE OF I-680 JUST SOUTH OF THE GOLD HILL ROAD INTERCHANGE, ABOUT 2 MILES SOUTH OF CORDELIA.						
Detailed Location:	ON AN EMBANKMENT ON THE HIGHWAY AT MILE POST SOL 9.7 TO 9.8. MAPPED ABOUT 1100' SOUTH OF JUNCTION OF I-680 AND GOLD HILL ROAD AND 275' EAST OF CENTERLINE OF I-680.						
Ecological:	NORTHERN COASTAL SALT MARSH WITHIN THE SUISUN MARSH. GROWING ALONG MARSH EDGE SURROUNDING RUDERAL GRASSLAND WITH POCKETS OF SEASONAL WETLANDS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1989.						
Owner/Manager:	UNKNOWN						

Occurrence No.	104	Map Index:	37621	EO Index:	32623	Element Last Seen:	1993-10-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1993-10-XX	Record Last Updated:	2013-08-02
Occ. Type:	Natural/Native occurrence		Trend:	Unknown			
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.17253 / -122.10282		Accuracy:	specific area			
UTM:	Zone-10 N4225338 E578585		Elevation (ft):	0			
PLSS:	T04N, R02W, Sec. 20 (M)		Acres:	1278.0			
Location:	WEST SIDE OF SUISUN MARSH; ALONG CORDELIA SLOUGH, FRANK HORAN SLOUGH, CHADBORNE SLOUGH AND SUISUN CREEK.						
Detailed Location:	NUMEROUS COLONIES MAPPED ALONG SLOUGHS AND CHANNELS; OCCURRENCE MAPPED MOSTLY BETWEEN I-680 AND ABOUT 1 MILE DOWNSTREAM OF CYGNUS.						
Ecological:	BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.						
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY 1994 DWR REPORT. A 1925 HOWELL COLLECTION FROM "GREEN VALLEY NEAR CORDELIA" IS ALSO ATTRIBUTED TO THIS OCCURRENCE. INCLUDES FORMER EO #105.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	108	Map Index: 41561	EO Index: 41561	Element Last Seen:	1991-07-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-07-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1999-09-03

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.21205 / -122.07268	Accuracy:	specific area
UTM:	Zone-10 N4229749 E581182	Elevation (ft):	3
PLSS:	T04N, R02W, Sec. 10, N (M)	Acres:	2.8

Location: ABOUT 1.2 AIR MILES SSE OF SUBEET RR STOP, ABOUT 3 AIR MILES SOUTHWEST OF FAIRFIELD.

Detailed Location: JUST NORTH OF LEVEE ROAD. TWO COLONIES MAPPED.

Ecological:

General: ONLY SOURCE FOR THIS INFORMATION IS MAP FROM 1991 SURVEY BY ALLEN.

Owner/Manager: UNKNOWN

Occurrence No.	203	Map Index: 89872	EO Index: 90882	Element Last Seen:	1941-09-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1941-09-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-08-02

Quad Summary: Fairfield South (3812221), Fairfield North (3812231)

County Summary: Solano

Lat/Long:	38.24603 / -122.09699	Accuracy:	1 mile
UTM:	Zone-10 N4233498 E579016	Elevation (ft):	50
PLSS:	T05N, R02W, Sec. 28 (M)	Acres:	0.0

Location: 3 MILES WEST OF FAIRFIELD.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND 3 MILES WEST OF FARFIELD, IN VICINITY OF GIVEN ELEVATION OF 50 FT.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1941 COLLECTION BY ROSE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Downingia pusilla		Element Code: PDCAM060C0	
dwarf downingia			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: GU
	State: None		State: S2
	Other: Rare Plant Rank - 2B.2		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.		
	Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.		

Occurrence No.	69	Map Index:	26035	EO Index:	5220	Element Last Seen:	1990-04-23
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1990-04-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1994-07-15	

Quad Summary:	Mt. George (3812232)
County Summary:	Solano

Lat/Long:	38.31314 / -122.19887	Accuracy:	80 meters
UTM:	Zone-10 N4240863 E570037	Elevation (ft):	1405
PLSS:	T05N, R03W, Sec. 04, NW (M)	Acres:	0.0

Location:	WEST SIDE OF ROAD ALONG THE WEST ARM OF LAKE MADIGAN, WILD HORSE VALLEY.
Detailed Location:	MAPPED ABOUT 0.4 AIR MILES ESE OF THE NW CORNER OF SOLANO COUNTY. WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 4.
Ecological:	VERNAL POOL WITHIN OPENING IN CHAPARRAL. ASSOCIATED WITH PSILOCARPHUS BREVISSIMUS, MIMULUS TRICOLOR, CUSCUTA HOWELLIANA, ERYNGIUM ARISTULATUM, AND GRATIOLA EBRACTEATA.
General:	500+ PLANTS SEEN IN 1990. SITE IS RELATIVELY UNDISTURBED, NOT GRAZED. SURROUNDING LANDS HAVE BEEN STUDIED AS A POTENTIAL PARK.
Owner/Manager:	CITY OF VALLEJO

Occurrence No.	108	Map Index:	46118	EO Index:	46118	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-10-11	

Quad Summary:	Cuttings Wharf (3812223)
County Summary:	Napa

Lat/Long:	38.23683 / -122.26364	Accuracy:	1/5 mile
UTM:	Zone-10 N4232349 E564442	Elevation (ft):	
PLSS:	T05N, R04W, Sec. 36, SW (M)	Acres:	0.0

Location:	APPROX 1.2 MILES ESE OF SUSCOL, & 1.8 MILES NNE OF NAPA COUNTY AIRPORT. ALONG HWY 12/29, BETWEEN SUSCOL & SHEEHY CREEKS.
Detailed Location:	
Ecological:	
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED SHAPEFILE FROM NAPA COUNTY CNPS.
Owner/Manager:	UNKNOWN



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Legenere limosa		Element Code: PDCAM0C010	
legenere			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive		
Habitat:	General: VERNAL POOLS.		
	Micro: IN BEDS OF VERNAL POOLS. 1-880 M.		
Occurrence No.	7	Map Index: 14182	EO Index: 9587
Occ. Rank:	Fair	Presence: Presumed Extant	Element Last Seen: 1987-05-02
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 1990-05-26
			Record Last Updated: 2006-12-29
Quad Summary:	Cuttings Wharf (3812223)		
County Summary:	Napa		
Lat/Long:	38.24503 / -122.26547	Accuracy:	nonspecific area
UTM:	Zone-10 N4233257 E564274	Elevation (ft):	40
PLSS:	T05N, R04W, Sec. 26, SE (M)	Acres:	63.1
Location:	VERNAL POOL 2.4 MILES SOUTH OF NAPA STATE HOSPITAL, EAST SIDE OF HIGHWAY 29, SUSCOL RIDGE.		
Detailed Location:	BENEATH EAST-WEST TRENDING POWERLINE.		
Ecological:	VERNAL POOLS ALONG INTERMITTENT STREAM.		
General:	SEEN HERE IN 1973 BY ORNDUFF. 100+ PLANTS SEEN IN 1983. ONLY ONE PLANT SEEN IN 1987 (DRY YEAR). NO PLANTS SEEN IN 1988 AND 1990 SURVEYS, PROBABLY DUE TO LOW RAINFALL.		
Owner/Manager:	PVT		



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<i>Extriplex joaquinana</i>		Element Code: PDCHE041F3	
San Joaquin spearscale			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_RSABG-Rancho Santa Ana Botanic Garden		
Habitat:	General: CHENOPOD SCRUB, ALKALI MEADOW, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-835 M.		

Occurrence No.	57	Map Index:	46075	EO Index:	46075	Element Last Seen:	1991-07-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1991-07-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-10-09	

Quad Summary:	Fairfield South (3812221)
County Summary:	Solano

Lat/Long:	38.19806 / -122.09572	Accuracy:	specific area
UTM:	Zone-10 N4228177 E579180	Elevation (ft):	2
PLSS:	T04N, R02W, Sec. 16, NW (M)	Acres:	17.3

Location:	NORTH OF PELTIER SLOUGH, ABOUT 1.5 MILES WNW OF JACKSNIPE, SUISUN MARSH, SOUTHWEST OF FAIRFIELD.
Detailed Location:	
Ecological:	
General:	PLANTS VERY SPARSE IN 1991. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1991 MAP FROM ALLEN; NEEDS FIELDWORK.
Owner/Manager:	UNKNOWN



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<i>Atriplex persistens</i>		Element Code: PDCHE042P0	
vernal pool smallscale			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: VERNAL POOLS.		
	Micro: ALKALINE VERNAL POOLS. 10-115 M.		

Occurrence No.	38	Map Index:	82741	EO Index:	83774	Element Last Seen:	2002-04-16
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2002-04-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2011-06-02	

Quad Summary: Fairfield South (3812221)
County Summary: Solano

Lat/Long:	38.23067 / -122.06193	Accuracy:	specific area
UTM:	Zone-10 N4231825 E582101	Elevation (ft):	10
PLSS:	T05N, R02W, Sec. 35, SW (M)	Acres:	7.0

Location: SOUTH SIDE OF CORDELIA ROAD BETWEEN SUISUN AND SUBEET, ABOUT 1.1 AIR MILES SOUTH OF WEST TEXAS STREET PARK.
Detailed Location: MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 35 ACCORDING TO 2002 COORDINATES FROM THE VERNAL POOL TEAM.
Ecological: VERNAL POOL. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, H. DEPRESSUM, PARAPHOLIS INCURVA, FRANKENIA SALINA, LEPIDIUM OXYCARPUM, LOLIUM MULTIFLORUM, SALICORNIA VIRGINICA, COTULA CORONOPIFOLIA, DISTICHLIS SPICATA, JUNCUS BUFONIUS, ETC.
General: 200 PLANTS OBSERVED IN 2002.
Owner/Manager: PVT



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***Viburnum ellipticum***

Element Code: PDCPR07080

oval-leaved viburnum

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4G5
State: None **State:** S3?
Other: Rare Plant Rank - 2B.3
Habitat: **General:** CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.
Micro: 215-1400 M.

Occurrence No. 7 **Map Index:** 49959 **EO Index:** 49959 **Element Last Seen:** 2012-11-04
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2012-11-04
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-05-20

Quad Summary: Mt. George (3812232)
County Summary: Napa

Lat/Long: 38.26537 / -122.23494 **Accuracy:** 80 meters
UTM: Zone-10 N4235535 E566927 **Elevation (ft):** 600
PLSS: T05N, R03W, Sec. 19, SE (M) **Acres:** 0.0

Location: SKYLINE PARK, ABOUT 0.5 MILE NORTHWEST OF LAKE MARIE.
Detailed Location: UP MAIN HIKING ROAD, AT GATE/ENTRANCE OFF OF IMOLA AVE. MAPPED IN THE SE 1/4 OF SEC 19 BASED ON 2012 KEELAN COORDINATES. UNDATED CNPS DIGITAL DATA SHOWS POINT ABOUT 0.25 MI TO THE SOUTH; ACCURACY OF THIS INFO UNK.
Ecological: DRY, SUNNY, ROCKY, ROADSIDE/SLOPE. FOOTHILL WOODLAND COMMUNITY ON VOLCANIC SUBSTRATE.
General: ONE MATURE SHRUB SEEN IN 1986. 3 PLANTS SEEN IN 1999. UNKNOWN NUMBER SEEN IN 2005 AND 2012. IN 2003, CALLIZO REPORTS THAT THERE ARE SEVERAL PLANTS AT THIS SITE (YEAR PLANTS SEEN UNKNOWN); UNCLEAR WHETHER OR NOT PLANTS ARE NATURALIZED.
Owner/Manager: SKYLINE CITIZENS ASSOCIATION

Occurrence No. 35 **Map Index:** 96181 **EO Index:** 97351 **Element Last Seen:** 2012-05-11
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2012-05-11
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-05-21

Quad Summary: Mt. George (3812232)
County Summary: Solano

Lat/Long: 38.26595 / -122.14711 **Accuracy:** nonspecific area
UTM: Zone-10 N4235667 E574610 **Elevation (ft):**
PLSS: T05N, R03W, Sec. 24 (M) **Acres:** 1574.0

Location: ROCKVILLE TRAILS, SOLANO LAND TRUST.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB TO ENCOMPASS ROCKVILLE TRAILS ESTATES ACQ, OWNED BY SOLANO LAND TRUST.
Ecological: OAK WOODLANDS.
General: SITE IS BASED ON 2012 WIRTZ PHOTOS IN CALPHOTOS. NEEDS MAP DETAIL.
Owner/Manager: SOLANO LAND TRUST

Astragalus tener var. tener

Element Code: PDFAB0F8R1

alkali milk-vetch

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2T2
State: None **State:** S2
Other: Rare Plant Rank - 1B.2
Habitat: **General:** ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.



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Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 0-168 M.

Occurrence No.	38	Map Index:	34144	EO Index:	6955	Element Last Seen:	2005-04-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-04-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-07-02	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.23782 / -122.05739			Accuracy:	specific area		
UTM:	Zone-10 N4232622 E582491			Elevation (ft):	10		
PLSS:	T05N, R02W, Sec. 35, W (M)			Acres:	5.0		
Location:	WEST OF SUISUN, BETWEEN LEDGEWOOD CREEK AND PENNSYLVANIA AVE/CORDELIA RD, BOTH SIDES OF RAILROAD TRACKS.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDDB AS 4 POLYGONS IN THE SE 1/4 OF THE NW 1/4 OF SECTION 35 AND THE NE 1/4 OF THE SW 1/4 OF SECTION 35.						
Ecological:	SEASONALLY WET ANNUAL GRASSLAND, ON SILTY CLAY SOIL.						
General:	10 PLANTS OBSERVED AT THE NORTHERN END OF THE OCCURRENCE IN 2002. POPULATION NUMBERS FOR POLYGONS FROM NORTH TO SOUTH: 4, 2, 3, AND 3 PLANTS OBSERVED IN 2005. AN 1886 GREENE COLLECTION FROM "NEAR SUISUN" IS ALSO ATTRIBUTED HERE.						
Owner/Manager:	PVT						

Occurrence No.	41	Map Index:	24734	EO Index:	5219	Element Last Seen:	1982-03-28
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1983-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-01-02	
Quad Summary:	Cuttings Wharf (3812223), Napa (3812233)						
County Summary:	Napa						
Lat/Long:	38.25024 / -122.27326			Accuracy:	80 meters		
UTM:	Zone-10 N4233830 E563588			Elevation (ft):	15		
PLSS:	T05N, R04W, Sec. 26, SW (M)			Acres:	0.0		
Location:	NAPA, APPROX. 2.5 KM (1.5 MI) SOUTH OF NAPA COLLEGE.						
Detailed Location:	0.8 KM (0.5 MI) SOUTH OF KAISER RD, BETWEEN HWY 221 AND THE RIVER.						
Ecological:	OPEN GRASSLAND WITH VERNAL POOLS, SUBALKALINE FLATS, ROCK OUTCROPS. ASSOCIATES INCLUDE DOWNINGIA PUSILLA, PSILOCARPUS OREGANUS, MYOSURUS MINIMUS (NOW EXTINCT IN NAPA CO.) LAYIA CHRYSANTHEMOIDES, ORTHOCARPUS DENSIFLORUS, BROMUS, & ERODIUM.						
General:	APPROX. 50 PLANTS OBSERVED IN 1982. ACCORDING TO RUYGT'S FIELD SURVEY FORM (FIELD WORK CONDUCTED IN 1982), SITE WAS DESTROYED IN 1983 DUE TO CONSTRUCTION OF CORPORATE PARK. ASSOCIATED MYOSURUS MINIMUS IS NOW EXTIRPATED IN NAPA COUNTY.						
Owner/Manager:	PVT						



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Occurrence No.	65	Map Index: 51709	EO Index: 51709	Element Last Seen:	2005-04-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-04-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-07-09

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.23006 / -122.06200	Accuracy:	specific area
UTM:	Zone-10 N4231757 E582096	Elevation (ft):	7
PLSS:	T05N, R02W, Sec. 35, SW (M)	Acres:	1.0

Location: WEST OF LEDGEWOOD CREEK, ABOUT 0.55 MILE SW OF JUNCTION OF PENNSYLVANIA AVE AND CORDELIA ROAD, SOUTH OF FAIRFIELD.

Detailed Location: WEST OF SUISUN CITY. MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 35 ACCORDING TO 2007 DIGITAL DATA FROM VOLLMAR CONSULTING.

Ecological: SEASONALLY WET ANNUAL GRASSLAND, SILTY CLAY SOIL, LEVEL. FOUND ON MARGINS OF SLOWLY SLOPING ALKALI POOL. DOMINANT SPECIES WERE BROMUS HORDEACEUS, HORDEUM MARINUM GUSSONEANUM, TRIFOLIUM VARIEGATUM, & LASTHENIA CONJUGENS.

General: 200 PLANTS OBSERVED ON APRIL 16 2002, MORE THAN 300 PLANTS OBSERVED ON APRIL 25 2002. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2005. THE RARE LASTHENIA CONJUGENS IS FOUND 100 FT TO THE NW OF THIS SITE. CATTLE GRAZING PRESENT ON SITE.

Owner/Manager: PVT-GENTRY CO

Lathyrus jepsonii var. jepsonii **Element Code:** PDFAB250D2

Delta tule pea

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, SB_BerrySB-Berry Seed Bank, SB_RSABG-Rancho Santa Ana Botanic Garden		

Habitat: **General:** FRESHWATER AND BRACKISH MARSHES.

Micro: OFTEN FOUND WITH TYPHA, ASTER LENTUS, ROSA CALIFORNICA, JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES. 0-5 M.

Occurrence No.	6	Map Index: 09671	EO Index: 19246	Element Last Seen:	2009-07-31
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2009-07-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-06-08

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.17025 / -122.09322	Accuracy:	specific area
UTM:	Zone-10 N4225093 E579429	Elevation (ft):	1
PLSS:	T04N, R02W, Sec. 28, N (M)	Acres:	119.0

Location: VICINITY OF FRANK HORAN SLOUGH AND TEAL, BETWEEN CORDELIA SLOUGH AND SUISUN SLOUGH, SE OF CORDELIA.

Detailed Location: MAPPED BY CNDDDB AS 15 POLYGONS IN THE SE 1/4 OF SECTION 20, THE SOUTH HALF OF SECTION 21, THE SW 1/4 OF SECTION 22, THE NE 1/4 OF SECTION 29, THE NORTH HALF OF SECTION 28, AND THE NW 1/4 OF SECTION 27.

Ecological: TIDAL MARSH ZONES. ASSOCIATED WITH RUBUS DISCOLOR AND ROSA CALIFORNICA.

General: MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1994 MAP BY THE DEPARTMENT OF WATER RESOURCES. 25 PLANTS OBSERVED IN THE 2 POLYGONS FARTHEST TO THE SE IN 2009. INCLUDES FORMER OCCURRENCE #111.

Owner/Manager: PVT



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Occurrence No.	7	Map Index:	09790	EO Index:	6370	Element Last Seen:	2009-07-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2009-07-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-06-25	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.22151 / -122.04225		Accuracy:	specific area			
UTM:	Zone-10 N4230827 E583835		Elevation (ft):	1			
PLSS:	T04N, R02W, Sec. 02 (M)		Acres:	246.0			
Location:	SUISUN MARSH, FROM SOUTHERN END OF SUISUN CITY TO 1.6 MILES SOUTH OF CITY.						
Detailed Location:	ALONG PETONIA, SUISUN, HILL, AND BOYNTON SLOUGHS IN SECTIONS 1, 2, 6, 12, AND 36. SEVERAL POLYGONS MAPPED BY CNDDDB ACCORDING TO A 1994 DWR MAP AND 2007 DIGITAL DATA FROM VOLLMAR NATURAL LANDS CONSULTING.						
Ecological:	COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, SYMPHYOTRICHUM LENTUM, AND TYPHA.						
General:	APPROXIMATELY 200 PLANTS OBSERVED IN A SMALL PORTION OF THE OCCURRENCE IN 1987. MAPPED BASED PRIMARILY ON 1994 MAPS AND 2007 DIGITAL DATA WHERE POPULATION SIZES WERE NOT PROVIDED. INCLUDES FORMER OCCURRENCES #98-100.						
Owner/Manager:	DFG, TNC, SOLANO LAND TRUST						
Occurrence No.	102	Map Index:	37711	EO Index:	32713	Element Last Seen:	1992-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1992-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-12-15	
Quad Summary:	Fairfield South (3812221)						
County Summary:	Solano						
Lat/Long:	38.20558 / -122.06125		Accuracy:	specific area			
UTM:	Zone-10 N4229041 E582190		Elevation (ft):	5			
PLSS:	T04N, R02W, Sec. 11 (M)		Acres:	28.7			
Location:	UPPER BOYNTON SLOUGH ALONG BOTH SIDES OF RAILROAD TRACKS, SUISUN MARSH.						
Detailed Location:	MAPPED BY CNDDDB AS TWO POLYGONS.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994."						
Owner/Manager:	UNKNOWN						



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Occurrence No.	108	Map Index: 37718	EO Index: 32720	Element Last Seen:	2012-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-06-25
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.18632 / -122.09350		Accuracy:	specific area	
UTM:	Zone-10 N4226876 E579386		Elevation (ft):	1	
PLSS:	T04N, R02W, Sec. 16 (M)		Acres:	67.0	
Location:	CHADBOURNE SLOUGH, ABOUT 1-2 MILES WEST OF CONFLUENCE WITH WELLS SLOUGH, SUISUN MARSH.				
Detailed Location:	7 POLYGONS MAPPED BY CNDDDB ACCORDING TO A 1991 ALLEN MAP, A 1994 DWR MAP, AND 2012 COORDINATES FROM BRONNY.				
Ecological:	NARROW BAND OF EMERGENT MARSH BETWEEN SLOUGH AND LEVEE CROWN/ACCESS ROAD.				
General:	72 PLANTS SEEN IN THE TWO SMALL NORTHWESTERN POLYGONS IN 1991. ~60 PLANTS SEEN IN THE SOUTHEASTERN POLYGON IN 2012. OTHER POLYGONS ARE BASED ON A 1994 DWR MAP WHERE POPULATION SIZES WERE NOT PROVIDED.				
Owner/Manager:	PVT, UNKNOWN				
Occurrence No.	109	Map Index: 37719	EO Index: 32721	Element Last Seen:	1992-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1997-12-15
Quad Summary:	Fairfield South (3812221)				
County Summary:	Solano				
Lat/Long:	38.19733 / -122.12030		Accuracy:	specific area	
UTM:	Zone-10 N4228075 E577028		Elevation (ft):	5	
PLSS:	T04N, R02W, Sec. 18 (M)		Acres:	18.7	
Location:	UPPER CORDELIA SLOUGH, ABOUT 1.5 MILES SSW OF THE SPRR AT THOMASSON, SUISUN MARSH.				
Detailed Location:	MAPPED BY CNDDDB AS TWO POLYGONS.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994."				
Owner/Manager:	UNKNOWN				



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Occurrence No.	110	Map Index: 37720	EO Index: 32722	Element Last Seen:	1992-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1997-12-15

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.18561 / -122.11740	Accuracy:	specific area
UTM:	Zone-10 N4226777 E577294	Elevation (ft):	5
PLSS:	T04N, R02W, Sec. 17 (M)	Acres:	137.2

Location: CORDELIA SLOUGH, ABOUT 1.5-2.5 MILES SOUTH OF THE SPRR AT THOMASSON, SUISUN MARSH.

Detailed Location: SEVERAL COLONIES MAPPED IN 1992.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994."

Owner/Manager: UNKNOWN

Occurrence No.	112	Map Index: 37722	EO Index: 32724	Element Last Seen:	1992-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1997-12-15

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long:	38.15710 / -122.09983	Accuracy:	specific area
UTM:	Zone-10 N4223628 E578864	Elevation (ft):	5
PLSS:	T04N, R02W, Sec. 32 (M)	Acres:	194.6

Location: CORDELIA SLOUGH, FROM 0.3 MILE NW OF IBIS CUT TO 0.2 MILE EAST OF CYGNUS (SPRR), SUISUN MARSH.

Detailed Location:

Ecological:

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994." CUNEO VISITED PART OF SITE IN 1989. 172 PLANTS SEEN IN 1991.

Owner/Manager: UNKNOWN



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<i>Trifolium amoenum</i>		Element Code: PDFAB40040	
two-fork clover			
Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other: Rare Plant Rank - 1B.1, SB_RSABG-Rancho Santa Ana Botanic Garden, SB_USDA-US Dept of Agriculture		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND, COASTAL BLUFF SCRUB.		
	Micro: SOMETIMES ON SERPENTINE SOIL, OPEN SUNNY SITES, SWALES. MOST RECENTLY CITED ON ROADSIDE AND ERODING CLIFF FACE. 5-310 M.		

Occurrence No.	23	Map Index:	09303	EO Index:	19156	Element Last Seen:	1952-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1952-XX-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1989-08-11

Quad Summary: Cordelia (3812222), Cuttings Wharf (3812223)
County Summary: Napa

Lat/Long:	38.18769 / -122.25247	Accuracy:	1/5 mile
UTM:	Zone-10 N4226904 E565463	Elevation (ft):	65
PLSS:	T04N, R04W, Sec. 13, SE (M)	Acres:	0.0

Location: NAPA JUNCTION.
Detailed Location: MAPPED ACCORDING TO CNPS DIGITAL DATA.
Ecological:
General: SITE BASED ON MICHENER 1891 COLLECTION AND SITE NAME CITED IN CALLIZO NAPA FLORA REPORT FROM 1979. REPORT STATES P. RAVEN OBSERVED PLANT BETWEEN 1951-1952.
Owner/Manager: UNKNOWN

<i>Trifolium hydrophilum</i>		Element Code: PDFAB400R5	
saline clover			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.		
	Micro: MESIC, ALKALINE SITES. 0-300 M.		



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Occurrence No.	13	Map Index: 49398	EO Index: 49398	Element Last Seen:	1982-04-29
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1982-04-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-19
Quad Summary:	Cuttings Wharf (3812223), Napa (3812233)				
County Summary:	Napa				
Lat/Long:	38.25070 / -122.27588		Accuracy:	nonspecific area	
UTM:	Zone-10 N4233879 E563358		Elevation (ft):	10	
PLSS:	T05N, R04W, Sec. 26 (M)		Acres:	385.0	
Location:	SUSCOL PLAIN, BETWEEN ROCKTRAM & HIGHWAY 29, SOUTH OF NAPA.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ON WEST SIDE OF HIGHWAY 29 (HWY 221) WITHIN TRS GIVEN IN RUYGT COLLECTION.				
Ecological:	VALLEY GRASSLAND. IN ROCK[Y] VOLCANIC SUBSTRATE AMONG RUSHES ON MARSHY GROUND. AT EDGE OF VERNAL POOL AND LOW DRAINS.				
General:	BASED ON TWO 1982 COLLECTIONS BY RUYGT. EXTIRPATED BY DEVELOPMENT OF INDUSTRIAL PARK (RUYGT 1999).				
Owner/Manager:	UNKNOWN				

Occurrence No.	32	Map Index: 83558	EO Index: 84590	Element Last Seen:	1928-05-11
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1928-05-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-09-08
Quad Summary:	Vine Hill (3812211), Benicia (3812212), Fairfield South (3812221), Cordelia (3812222)				
County Summary:	Solano				
Lat/Long:	38.13511 / -122.10984		Accuracy:	nonspecific area	
UTM:	Zone-10 N4221180 E578010		Elevation (ft):		
PLSS:	T03N, R02W, Sec. 05 (M)		Acres:	755.0	
Location:	BENICIA TO CORDELIA HIGHWAY.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG HIGHWAY 680 BETWEEN BENICIA AND CORDELIA.				
Ecological:	WET ADOBE.				
General:	PLANTS NOTED AS "ABUNDANT" IN 1928. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1928 COLLECTION BY KENNEDY. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	33	Map Index: 83559	EO Index: 84591	Element Last Seen:	2009-04-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-19

Quad Summary: Cordelia (3812222)

County Summary: Napa, Solano

Lat/Long:	38.15558 / -122.22115	Accuracy:	1/5 mile
UTM:	Zone-10 N4223364 E568236	Elevation (ft):	
PLSS:	T04N, R03W, Sec. 32, NW (M)	Acres:	0.0

Location: SULFUR SPRINGS RIDGE NW OF I-80, ABOUT 0.5 KM NW OF REST STOP PARKING LOT, NEAR THE NAPA / SOLANO COUNTY LINE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY ~0.5 AIR KM NW OF PARKING LOT (VISIBLE ON AERIAL IMAGERY), JUST NORTHEAST OF BORGES SUMMIT RESERVOIR.

Ecological: IN GRASSLAND OVER SILICATE SUBSTRATE. IN CLAY ABOVE SPRING WITH LASTHENIA CALIFORNICA, PLATYSTEMON CALIFORNICUS, AND T. VARIEGATUM.

General: PLANTS NOTED AS "COMMON" IN 2009. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2009 COLLECTION BY KELCH. NEEDS MAP DETAIL.

Owner/Manager: UNKNOWN

Occurrence No.	34	Map Index: 83560	EO Index: 84592	Element Last Seen:	2009-04-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-04-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-19

Quad Summary: Cordelia (3812222)

County Summary: Napa, Solano

Lat/Long:	38.14852 / -122.19397	Accuracy:	1 mile
UTM:	Zone-10 N4222601 E570624	Elevation (ft):	
PLSS:	T04N, R03W, Sec. 33 (M)	Acres:	0.0

Location: SULFUR SPRINGS RIDGE, VALLEJO, N COLUMBUS PARKWAY.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF SULFUR SPRINGS RIDGE ON NORTH SIDE OF COLUMBUS PARKWAY AND SE SIDE OF I-80.

Ecological: IN GRASSLAND OVER SILICATE SUBSTRATE. IN WET SOIL AT EDGE OF SEASONAL POND.

General: PLANTS NOTED AS "LOCALLY COMMON" IN 2009. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2009 COLLECTION BY KELCH. NEEDS MAP DETAIL.

Owner/Manager: UNKNOWN



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Occurrence No.	35	Map Index: 83561	EO Index: 84594	Element Last Seen:	1993-05-11
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-05-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-08-19

Quad Summary: Cuttings Wharf (3812223)
County Summary: Napa

Lat/Long:	38.24350 / -122.25836	Accuracy:	nonspecific area
UTM:	Zone-10 N4233093 E564897	Elevation (ft):	160
PLSS:	T05N, R04W, Sec. 36, NW (M)	Acres:	38.0

Location: SUSCOL CREEK, EAST SIDE OF HIGHWAY 221.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG SUSCOL CREEK IN VICINITY OF GIVEN ELEVATION OF 160 FT. WITHIN THE NORTH HALF OF THE NW 1/4 OF SECTION 36.
Ecological: VALLEY GRASSLAND COMMUNITY ON VOLCANIC ROCK.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1993 COLLECTION BY CLIFTON. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No.	47	Map Index: 89967	EO Index: 90980	Element Last Seen:	2005-04-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-04-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2013-08-08

Quad Summary: Fairfield South (3812221)
County Summary: Solano

Lat/Long:	38.23445 / -122.05678	Accuracy:	specific area
UTM:	Zone-10 N4232249 E582547	Elevation (ft):	10
PLSS:	T05N, R02W, Sec. 35 (M)	Acres:	95.0

Location: NORTHERN END OF SUISUN MARSH, JUST WEST OF SUISUN CITY.
Detailed Location: SEVERAL POLYGONS MAPPED ACCORDING TO 2005 AND 2007 DIGITAL DATA FROM VOLLMAR CONSULTING.
Ecological:
General: AT LEAST 135 PLANTS OBSERVED IN 2005.
Owner/Manager: PVT



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Trichostema ruygtii

Element Code: PDLAM220H0

Napa bluecurls

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1G2
	State: None		State: S1S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: CISMONTANE WOODLAND, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, LOWER MONTANE CONIFEROUS FOREST.		
	Micro: OFTEN IN OPEN, SUNNY AREAS. ALSO HAS BEEN FOUND IN VERNAL POOLS. 30-680 M.		

Occurrence No.	2	Map Index: 76737	EO Index: 77666	Element Last Seen: 2004-08-07
Occ. Rank:	Unknown	Presence: Presumed Extant	Site Last Seen: 2004-08-07	
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Record Last Updated: 2009-09-29	

Quad Summary: Mt. George (3812232)

County Summary: Napa, Solano

Lat/Long:	38.27730 / -122.19174	Accuracy:	1/10 mile
UTM:	Zone-10 N4236892 E570695	Elevation (ft):	1040
PLSS:	T05N, R03W, Sec. 16, SE (M)	Acres:	0.0

Location: GREEN VALLEY RANCH; E END OF GREEN VALLEY RD AND 0.55 MI W OF WILD HORSE FALLS, NEAR SOLANO COUNTY LINE.

Detailed Location: MAPPED BY CNDDDB AS BEST GUESS E OF END OF GREEN VALLEY RD AND 0.55 MI W OF WILD HORSE FALLS, NEAR SOLANO COUNTY LINE AT 1040 FT. (T6N R4W S16).

Ecological: COAST LIVE OAK WOODLAND; ROCKY MEADOW; GRADUAL SLOPE TO FLAT W/RAINPOOLS; VOLCANIC, HAMBRIGHT SOIL. ASSOCIATES INCLUDE QUERCUS KELLOGII AND ARCTOSTAPHYLOS MANZANITA.

General: POPULATION ESTIMATED AT 700 INDIVIDUALS IN AN ESTIMATED AREA OF 10 ACRES IN 2004.

Owner/Manager: UNKNOWN



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<i>Hesperolinon breweri</i>		Element Code: PDLIN01030	
Brewer's western flax			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2?
	State: None		State: S2?
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: OFTEN IN ROCKY SERPENTINE SOIL IN SERPENTINE CHAPARRAL AND SERPENTINE GRASSLAND. 195-885 M.		

Occurrence No.	20	Map Index: 42825	EO Index: 42825	Element Last Seen:	1891-06-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1891-06-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2000-04-25

Quad Summary: Fairfield North (3812231), Mt. George (3812232)
County Summary: Napa, Solano

Lat/Long:	38.32267 / -122.13485	Accuracy:	1 mile
UTM:	Zone-10 N4241971 E575624	Elevation (ft):	
PLSS:	T06N, R03W, Sec. 36 (M)	Acres:	0.0

Location: UPPER SUISUN VALLEY.
Detailed Location: UPPER VALLEY, ON HILLS. MAPPED AS BEST GUESS BY CNDDDB.
Ecological:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IN 1891 COLLECTION BY JEPSON. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

<i>Ceanothus purpureus</i>		Element Code: PDRHA04160	
holly-leaved ceanothus			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND.		
	Micro: ROCKY, VOLCANIC SLOPES. 145-780 M.		

Occurrence No.	8	Map Index: 49161	EO Index: 49161	Element Last Seen:	1978-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1978-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29

Quad Summary: Mt. George (3812232)
County Summary: Napa, Solano

Lat/Long:	38.29874 / -122.20345	Accuracy:	nonspecific area
UTM:	Zone-10 N4239262 E569650	Elevation (ft):	
PLSS:	T05N, R03W, Sec. 09, NW (M)	Acres:	42.4

Location: WILD HORSE VALLEY ROAD, JUST SOUTH OF LAKE MADIGAN.
Detailed Location: IN THE NW 1/4 OF SECTION 9.
Ecological:
General: A 1982 CALLIZO REPORT MENTIONS THAT THIS SPECIES WAS OBSERVED BY "PAULINE KOEN IN 1978" IN NW 1/4 SEC 9. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN



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Occurrence No.	9	Map Index: 49162	EO Index: 49162	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29
Quad Summary:	Mt. George (3812232)				
County Summary:	Napa				
Lat/Long:	38.29050 / -122.20891		Accuracy:	1/10 mile	
UTM:	Zone-10 N4238343 E569181		Elevation (ft):	1000	
PLSS:	T05N, R03W, Sec. 08, SE (M)		Acres:	0.0	
Location:	ABOUT 1 MILE WEST OF LAKE FREY.				
Detailed Location:					
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; SITE DATE UNKNOWN. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	10	Map Index: 49163	EO Index: 49163	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29
Quad Summary:	Mt. George (3812232)				
County Summary:	Napa, Solano				
Lat/Long:	38.28884 / -122.20069		Accuracy:	1/10 mile	
UTM:	Zone-10 N4238165 E569901		Elevation (ft):	1200	
PLSS:	T05N, R03W, Sec. 09, SW (M)		Acres:	0.0	
Location:	ABOUT 0.5 MILE WEST OF LAKE FREY.				
Detailed Location:					
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; SITE DATE UNKNOWN. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	11	Map Index: 49164	EO Index: 49164	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29
Quad Summary:	Mt. George (3812232)				
County Summary:	Napa				
Lat/Long:	38.28295 / -122.20700		Accuracy:	specific area	
UTM:	Zone-10 N4237507 E569355		Elevation (ft):	1100	
PLSS:	T05N, R03W, Sec. 16, NW (M)		Acres:	12.8	
Location:	ABOUT 1.4 MILES NORTHWEST OF GREEN VALLEY FALLS.				
Detailed Location:					
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; SITE DATE UNKNOWN. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	12	Map Index: 49165	EO Index: 49165	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29

Quad Summary: Mt. George (3812232)

County Summary: Napa

Lat/Long:	38.27764 / -122.19420	Accuracy:	specific area
UTM:	Zone-10 N4236927 E570480	Elevation (ft):	1050
PLSS:	T05N, R03W, Sec. 16, SE (M)	Acres:	6.9

Location: ABOUT 0.5 MILE WEST OF GREEN VALLEY FALLS.

Detailed Location:

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; SITE DATE UNKNOWN. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No.	13	Map Index: 49166	EO Index: 49166	Element Last Seen:	1979-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1979-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-01-12

Quad Summary: Mt. George (3812232)

County Summary: Napa

Lat/Long:	38.27453 / -122.23252	Accuracy:	1/10 mile
UTM:	Zone-10 N4236554 E567131	Elevation (ft):	700
PLSS:	T05N, R03W, Sec. 18, SE (M)	Acres:	0.0

Location: ABOUT 1 MILE NORTHWEST OF SUGARLOAF SUMMIT.

Detailed Location: SITE REFERRED TO AS "SKYLINE PARK" IN CALLIZO'S 1982 REPORT; HOWEVER POPULATION IS LOCATED OUTSIDE OF THE BOUNDARIES OF SKYLINE WILDERNESS PARK.

Ecological:

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA CO CNPS. A 1982 CALLIZO REPORT MENTIONS THAT THIS SPECIES WAS OBSERVED BY "WESTON IN 1979" IN SE 1/4 SEC 18. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Occurrence No.	14	Map Index: 49167	EO Index: 49167	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-10-29

Quad Summary: Mt. George (3812232)

County Summary: Napa

Lat/Long: 38.26879 / -122.21885 **Accuracy:** 1/10 mile

UTM: Zone-10 N4235927 E568332 **Elevation (ft):** 1300

PLSS: T05N, R03W, Sec. 20, NW (M) **Acres:** 0.0

Location: ABOUT 1/4 MILE NORTH OF SUGARLOAF SUMMIT.

Detailed Location:

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; SITE DATE UNKNOWN. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No.	45	Map Index: 81338	EO Index: 82319	Element Last Seen:	1985-10-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1985-10-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-01-13

Quad Summary: Mt. George (3812232)

County Summary: Solano

Lat/Long: 38.30674 / -122.17172 **Accuracy:** 1/10 mile

UTM: Zone-10 N4240174 E572416 **Elevation (ft):** 2200

PLSS: T05N, R03W, Sec. 03, SE (M) **Acres:** 0.0

Location: TWIN SISTERS; NEAR SUMMIT OF MAIN PEAK, NORTH OF FAIRFIELD.

Detailed Location: MAPPED BY CNDDDB AROUND PEAK 2259 AND TO ENCOMPASS 2200 FEET IN ELEVATION.

Ecological: OPEN AND DENSE CHAPARRAL, MOST ALL EXPOSURES. IN DISTURBED FIRE-BREAK. SANDSTONE SUBSTRATE.

General: MENTIONED AS "ABUNDANT; LESS FREQUENT IN ESTABLISHED CHAPARRAL" IN 1985.

Owner/Manager: UNKNOWN

Occurrence No.	47	Map Index: 81356	EO Index: 82325	Element Last Seen:	2008-01-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2008-01-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-01-18

Quad Summary: Mt. George (3812232)

County Summary: Napa

Lat/Long: 38.26582 / -122.23186 **Accuracy:** nonspecific area

UTM: Zone-10 N4235588 E567196 **Elevation (ft):**

PLSS: T05N, R03W, Sec. 19 (M) **Acres:** 65.0

Location: SKYLINE WILDERNESS PARK, ALONG RIM ROCK TRAIL.

Detailed Location: MAPPED BY CNDDDB AS BEST GUESS ALONG THE PORTION OF THATCHER RIM ROCK TRAIL WEST OF SUGARLOAF PEAK AS THE OBSERVATION WAS MADE ALONG THE TRAIL BEFORE REACHING THE "SUMMIT AREA".

Ecological:

General: OBSERVED IN 2008. NEED BETTER MAP DETAIL, POPULATION AND HABITAT INFORMATION.

Owner/Manager: NAP COUNTY



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Occurrence No.	49	Map Index:	97176	EO Index:	98440	Element Last Seen:	2011-05-16
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2011-05-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-08-11	

Quad Summary: Mt. George (3812232)

County Summary: Solano

Lat/Long:	38.26625 / -122.19296	Accuracy:	80 meters
UTM:	Zone-10 N4235665 E570599	Elevation (ft):	1200
PLSS:	T05N, R03W, Sec. 21, NE (M)	Acres:	0.0

Location: NEAR HEADWATERS OF DUG ROAD CREEK, ABOUT 1.5 AIR MILES EAST OF SUGARLOAF, VALLEJO WATERSHED LAND.
Detailed Location: MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 21 ACCORDING TO 2011 BARTOSH COORDINATES.
Ecological: ON EDGE OF COAST LIVE OAK WOODLAND WITH QUERCUS DURATA VAR. DURATA AND ADENOSTOMA FASCICULATUM.
General: 15 PLANTS OBSERVED IN 2011.
Owner/Manager: CITY OF VALLEJO

Castilleja affinis var. neglecta **Element Code:** PDSCR0D013

Tiburon paintbrush

Listing Status:	Federal: Endangered	CNDDB Element Ranks:	Global: G4G5T1T2
	State: Threatened		State: S1S2
	Other: Rare Plant Rank - 1B.2, SB_UCBBG-UC Berkeley Botanical Garden		

Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND.
Micro: ROCKY SERPENTINE SITES. 75-400 M.

Occurrence No.	5	Map Index:	07000	EO Index:	24006	Element Last Seen:	1998-05-04
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1998-05-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-07-08	

Quad Summary: Cordelia (3812222)

County Summary: Napa

Lat/Long:	38.17227 / -122.22061	Accuracy:	specific area
UTM:	Zone-10 N4225216 E568268	Elevation (ft):	550
PLSS:	T04N, R03W, Sec. 20, SW (M)	Acres:	27.9

Location: AMERICAN CANYON, WEST OF I-80, ABOUT 2 MILES SOUTHEAST OF NAPA JUNCTION, SOUTHWEST OF CORDELIA.
Detailed Location: ABOVE ABANDONED QUARRY. 4 COLONIES (MAPPED AS ONE POLYGON BY CNDDDB) ON 4 SLOPES ABOUT 0.3-0.67 MILE NORTH OF AMERICAN CANYON ROAD. MAPPED WITHIN THE S 1/2 SW 1/4 SECTION 20 AND NE 1/4 NW 1/4 SECTION 29.
Ecological: SERPENTINE GRASSLAND ON NW AND SW ASPECTS WITH 30% SLOPES. WITH NASSELLA PULCHRA, AVENA BARBATA, BROMUS MOLLIS, ESCHSCHOLZIA CALIFORNICA, CLARKIA GRACILIS ET AL.
General: SLOPES WHERE SPECIES OCCURS ARE IN GOOD CONDITION. MORE THAN 186 PLANTS IN 1986, 588 PLANTS SEEN IN 1988. SITE VISITED BY RUYGT IN 1990; UNKNOWN HOW MANY PLANTS SEEN. NOT COUNTED IN 1998.
Owner/Manager: PVT



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



Chloropyron molle ssp. molle

Element Code: PDSCROJ0D2

soft salty bird's-beak

Listing Status: Federal: Endangered

CNDDB Element Ranks: Global: G2T1

State: Rare

State: S1

Other: Rare Plant Rank - 1B.2

Habitat: General: COASTAL SALT MARSH.

Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3 M.

Occurrence No. 31 **Map Index:** 89373 **EO Index:** 90364 **Element Last Seen:** 1904-09-21

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1904-09-21

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2013-06-07

Quad Summary: Fairfield South (3812221)

County Summary: Solano

Lat/Long: 38.22206 / -122.05291 **Accuracy:** nonspecific area

UTM: Zone-10 N4230877 E582901 **Elevation (ft):**

PLSS: T04N, R02W, Sec. 02 (M) **Acres:** 135.0

Location: SUISUN MARSH, ALONG THE RAILROAD NEAR SUISUN.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG RAILROAD THROUGH SUISUN MARSH JUST SOUTH OF SUISUN.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1904 COLLECTION BY HELLER. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Brodiaea leptandra

Element Code: PMLIL0C022

narrow-anthered brodiaea

Listing Status: Federal: None

CNDDB Element Ranks: Global: G3?

State: None

State: S3?

Other: Rare Plant Rank - 1B.2

Habitat: General: BROADLEAFED UPLAND FOREST, CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST, VALLEY AND FOOTHILL GRASSLAND.

Micro: VOLCANIC SUBSTRATES. 30-590 M.

Occurrence No. 30 **Map Index:** 98100 **EO Index:** 100863 **Element Last Seen:** 2009-XX-XX

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2009-XX-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-02-29

Quad Summary: Mt. George (3812232), Napa (3812233)

County Summary: Napa

Lat/Long: 38.26801 / -122.23582 **Accuracy:** nonspecific area

UTM: Zone-10 N4235828 E566849 **Elevation (ft):**

PLSS: T05N, R03W, Sec. 19 (M) **Acres:** 990.0

Location: SKYLINE WILDERNESS PARK, SOUTHEAST OF NAPA.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB TO ENCOMPASS THE ENTIRE PARK.

Ecological:

General: BASED ON AN AREA CHECKLIST; OBSERVED SOMETIME IN 2007, 2008, AND/OR 2009. NEEDS FIELDWORK.

Owner/Manager: SKYLINE CITIZENS ASSOCIATION

Plant List

65 matches found. Click on scientific name for details

Search Criteria
 Found in 9 Quads around 38122B2

Modify Search Criteria Export to Excel Modify Columns Modify Sort Display Photos

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
Agrostis hendersonii	Henderson's bent grass	Poaceae	annual herb	3.2	S2	G20
Amorpha californica var. napensis	Napa false indigo	Fabaceae	perennial deciduous shrub	1B.2	S2	G4T2
Arabis modesta	modest rockcress	Brassicaceae	perennial herb	4.3	S3	G3
Astragalus tener var. tener	alkali milk-vetch	Fabaceae	annual herb	1B.2	S2	G2T2
Atriplex coronata var. coronata	crownscale	Chenopodiaceae	annual herb	4.2	S3	G4T3
Atriplex persistens	vernal pool smallscale	Chenopodiaceae	annual herb	1D.2	S2	G2
Baisamorrhiza macrolepis	big-scale balsamroot	Asteraceae	perennial herb	1B.2	S2	G2
Riepharionia plumosa	big tarplant	Asteraceae	annual herb	1B.1	S2	G2
Brodiaea leptandra	narrow-anthered brodiaea	Themidaceae	perennial bulbiferous herb	1B.2	S3?	G3?
Calandrinia breweri	Brewer's calandrinia	Montiaceae	annual herb	4.2	S4	G4
Calochortus pulchellus	Mt. Diablo fairy lantern	Liliaceae	perennial bulbiferous herb	1B.2	S2	G2
Carex lyngbyei	Lyngbye's sedge	Cyperaceae	perennial rhizomatous herb	2B.2	S3	G5
Castilleja affinis var. neglecta	Tiburon paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	1B.2	S1S2	G4G5T1T2
Castilleja ambigua var.			annual herb			

b Slice Gallery  Google Maps

Ceanothus purpureus	holly-leaved ceanothus	Rhamnaceae	perennial evergreen shrub	1B.2	S2	G2
Centromadia parryi ssp. congdonii	Congdon's tarplant	Asteraceae	annual herb	1B.1	S2	G3T2
Centromadia parryi ssp. parryi	pappose tarplant	Asteraceae	annual herb	1B.2	S2	G3T2
Centromadia parryi ssp. rudis	Parry's rough tarplant	Asteraceae	annual herb	4.2	S3	G3T3
Chloropyron molle ssp. molle	soft bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.2	S1	G2T1
Cicuta maculata var. bolanderi	Bolander's water-hemlock	Apiaceae	perennial herb	2B.1	S2	G5T4
Cirsium hydrophilum var. hydrophilum	Suisun thistle	Asteraceae	perennial herb	1B.1	S1	G2T1
Clarkia gracilis ssp. tracyi	Tracy's clarkia	Onagraceae	annual herb	4.2	S3	G5T3
Dirca occidentalis	western leatherwood	Thymelaeaceae	perennial deciduous shrub	1B.2	S2	G2
Downingia pusilla	dwarf downingia	Campanulaceae	annual herb	2B.2	S2	GU
Eleocharis parvula	small spikerush	Cyperaceae	perennial herb	4.3	S4	G5
Erigeron biolettii	streamside daisy	Asteraceae	perennial herb	3	S3?	G3?
Erigeron greenei	Greene's narrow-leaved daisy	Asteraceae	perennial herb	1B.2	S3	G3
Eriogonum luteolum var. caninum	Tiburon buckwheat	Polygonaceae	annual herb	1B.2	S2	G5T2
Eriogonum truncatum	Mt. Diablo buckwheat	Polygonaceae	annual herb	1B.1	S2	G2
Extriplex joaquinana	San Joaquin spearscale	Chenopodiaceae	annual herb	1B.2	S2	G2
Fritillaria liliacea	fragrant fritillary	Liliaceae	perennial bulbiferous herb	1B.2	S2	G2
Gilia capitata ssp. tomentosa	woolly-headed gilia	Polemoniaceae	annual herb	1B.1	S2	G5T2
Harmonia nutans	nodding harmonia	Asteraceae	annual herb	4.3	S3	G3
Helianthella castanea	Diablo helianthella	Asteraceae	perennial herb	1B.2	S2	G2
Hesperolinon breweri	Brewer's western flax	Linaceae	annual herb	1B.2	S2?	G2?
Holocarpha macradenia	Santa Cruz tarplant	Asteraceae	annual herb	1B.1	S1	G1
Iris longipetala	coast iris	Iridaceae	perennial rhizomatous herb	4.2	S3	G3



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national wetlands inventory

es Vision 7.1 Web Slice Gallery Google Maps

Isocoma arguta	Carquinez goldenbush	Asteraceae	perennial shrub	1B.1	S1	G1
Juglans hindsii	Northern California black walnut	Juglandaceae	perennial deciduous tree	1B.1	S1	G1
Lasthenia conjugens	Contra Costa goldfields	Asteraceae	annual herb	1B.1	S1	G1
Lasthenia ferrisiae	Ferris' goldfields	Asteraceae	annual herb	4.2	S3	G3
Lathyrus jepsonii var. jepsonii	Delta tule pea	Fabaceae	perennial herb	1B.2	S2	G5T2
Legenere limosa	legenere	Campanulaceae	annual herb	1B.1	S2	G2
Leptosiphon jepsonii	Jepson's leptosiphon	Polemoniaceae	annual herb	1B.2	S3	G3
Lessingia hololeuca	woolly-headed lessingia	Asteraceae	annual herb	3	S3?	G3?
Lilaeopsis masonii	Mason's lilaeopsis	Apiaceae	perennial rhizomatous herb	1B.1	S2	G2
Lilium rubescens	redwood lily	Liliaceae	perennial bulbiferous herb	4.2	S3	G3
Limosella australis	Delta mudwort	Scrophulariaceae	perennial stoloniferous herb	2B.1	S2	G4G5
Lomatium repostum	Napa lomatium	Apiaceae	perennial herb	4.3	S3	G3
Micropus amphibolus	Mt. Diablo cottonweed	Asteraceae	annual herb	3.2	S3S4	G3G4
Monardella viridis	green monardella	Lamiaceae	perennial rhizomatous herb	4.3	S4	G4
Polygonum marinense	Marin knotweed	Polygonaceae	annual herb	3.1	S2	G2Q
Puccinellia simplex	California alkali grass	Poaceae	annual herb	1B.2	S2	G3
Ranunculus lobbii	Lobb's aquatic buttercup	Ranunculaceae	annual herb	4.2	S3	G4
Rhynchospora californica	California beaked-rush	Cyperaceae	perennial rhizomatous herb	1B.1	S1	G1
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	2B.2	S2	G3



Polygonum marinense	Marin knotweed	Polygonaceae	annual herb	3.1	S2	G2Q
Puccinellia simplex	California alkali grass	Poaceae	annual herb	1B.2	S2	G3
Ranunculus lobbii	Lobb's aquatic buttercup	Ranunculaceae	annual herb	4.2	S3	G4
Rhynchospora californica	California beaked-rush	Cyperaceae	perennial rhizomatous herb	1B.1	S1	G1
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	2B.2	S2	G3
Sidalcea hickmanii ssp. napensis	Napa checkerbloom	Malvaceae	perennial herb	1B.1	S1	G3T1
Sidalcea hickmanii ssp. viridis	Marin checkerbloom	Malvaceae	perennial herb	1B.3	S1S2	G3T1T2
Stuckenia filiformis ssp. alpina	slender-leaved pondweed	Potamogetonaceae	perennial rhizomatous herb	2B.2	S3	G5T5
Symphyotrichum lentum	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	1B.2	S2	G2
Trichostema ruygtii	Napa bluecurls	Lamiaceae	annual herb	1B.2	S1S2	G1G2
Trifolium amoenum	two-fork clover	Fabaceae	annual herb	1B.1	S1	G1
Trifolium hydrophilum	saline clover	Fabaceae	annual herb	1B.2	S2	G2
Triteleia lugens	dark-mouthed triteleia	Themidaceae	perennial bulbiferous herb	4.3	S4?	G4?
Viburnum ellipticum	oval-leaved viburnum	Adoxaceae	perennial deciduous shrub	2B.3	S3?	G4G5

Suggested Citation

CNPS, Rare Plant Program. 2016. Inventory of Rare and Endangered Plants (online edition, v8-02). California Native Plant Society, Sacramento, CA. Website <http://www.rareplants.cnps.org> [accessed 24 May 2016].

Middle Green Valley Specific Plan

IPaC Trust Resources Report

Generated May 24, 2016 02:58 PM MDT, IPaC v3.0.7

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.

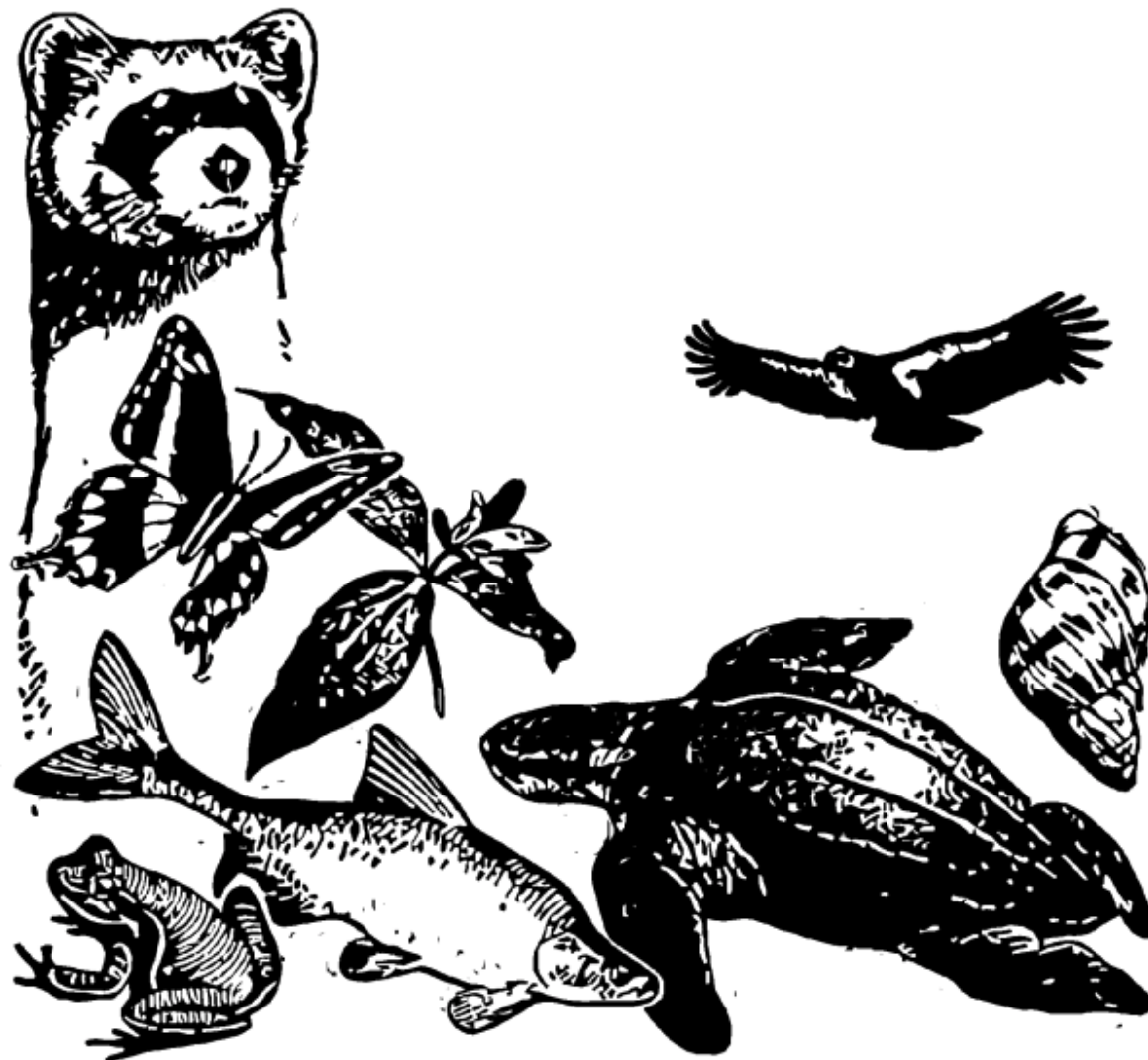


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

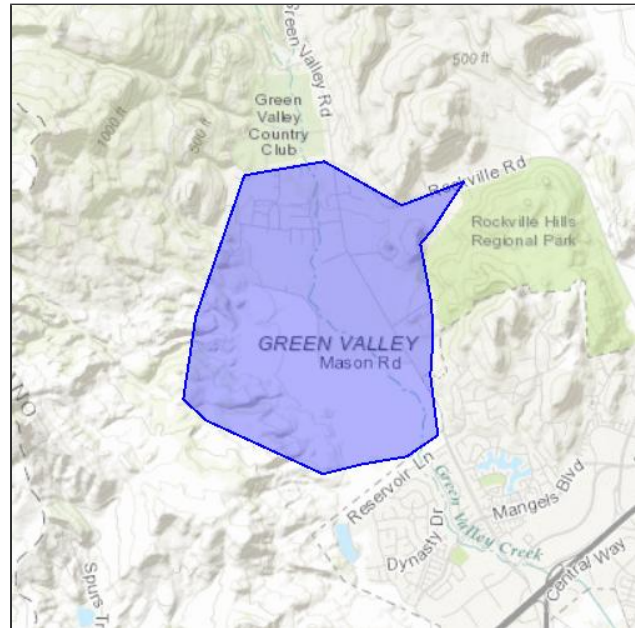
Middle Green Valley Specific Plan

LOCATION

Solano County, California

IPAC LINK

<https://ecos.fws.gov/ipac/project/KPWKU-Y5BJB-AOJBI-LHIB6-W6JXAM>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[Section 7](#) of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Amphibians

California Red-legged Frog *Rana draytonii* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=D02D

California Tiger Salamander *Ambystoma californiense* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=D01T

Birds

California Clapper Rail *Rallus longirostris obsoletus* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B04A

California Least Tern *Sterna antillarum browni* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B03X

Northern Spotted Owl *Strix occidentalis caurina* Threatened

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B08B

Western Snowy Plover *Charadrius alexandrinus nivosus* Threatened

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B07C

Crustaceans

California Freshwater Shrimp *Syncaris pacifica* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K01W

Vernal Pool Fairy Shrimp *Branchinecta lynchi* Threatened

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K03G

Fishes

Delta Smelt *Hypomesus transpacificus* Threatened

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=E070

Steelhead *Oncorhynchus (=Salmo) mykiss* Threatened

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=E08D

Flowering Plants

Showy Indian Clover *Trifolium amoenum* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q238

Tiburon Paintbrush *Castilleja affinis* ssp. *neglecta* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q26R

Insects

Callippe Silverspot Butterfly *Speyeria callippe callippe* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I019

San Bruno Elfin Butterfly *Callophrys mossii bayensis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I00Q

Mammals

Salt Marsh Harvest Mouse *Reithrodontomys raviventris* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A03Y

Reptiles

Giant Garter Snake *Thamnophis gigas* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C057

Critical Habitats

This location overlaps all or part of the critical habitat for the following species:

California Red-legged Frog *Rana draytonii*

Final designated critical habitat

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D02D#crithab

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
<http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

Allen's Hummingbird <i>Selasphorus sasin</i>	Bird of conservation concern
Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0LI	
Bald Eagle <i>Haliaeetus leucocephalus</i>	Bird of conservation concern
Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008	
Bell's Sparrow <i>Amphispiza belli</i>	Bird of conservation concern
Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0HE	
Black Oystercatcher <i>Haematopus bachmani</i>	Bird of conservation concern
Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0KJ	

Black Rail <i>Laterallus jamaicensis</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B09A	Bird of conservation concern
Burrowing Owl <i>Athene cunicularia</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0NC	Bird of conservation concern
Common Yellowthroat <i>Geothlypis trichas sinuosa</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B080	Bird of conservation concern
Fox Sparrow <i>Passerella iliaca</i> Season: Wintering	Bird of conservation concern
Lawrence's Goldfinch <i>Carduelis lawrencei</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0J8	Bird of conservation concern
Least Bittern <i>Ixobrychus exilis</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B092	
Lesser Yellowlegs <i>Tringa flavipes</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0MD	Bird of conservation concern
Lewis's Woodpecker <i>Melanerpes lewis</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HQ	Bird of conservation concern
Loggerhead Shrike <i>Lanius ludovicianus</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0FY	Bird of conservation concern
Long-billed Curlew <i>Numenius americanus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B06S	Bird of conservation concern
Marbled Godwit <i>Limosa fedoa</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0JL	Bird of conservation concern
Mountain Plover <i>Charadrius montanus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B078	Bird of conservation concern
Nuttall's Woodpecker <i>Picoides nuttallii</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HT	Bird of conservation concern

Oak Titmouse <i>Baeolophus inornatus</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MJ	Bird of conservation concern
Peregrine Falcon <i>Falco peregrinus</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU	Bird of conservation concern
Rufous-crowned Sparrow <i>Aimophila ruficeps</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MX	Bird of conservation concern
Short-billed Dowitcher <i>Limnodromus griseus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JK	Bird of conservation concern
Short-eared Owl <i>Asio flammeus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD	Bird of conservation concern
Snowy Plover <i>Charadrius alexandrinus</i> Season: Breeding	Bird of conservation concern
Swainson's Hawk <i>Buteo swainsoni</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B070	Bird of conservation concern
Tricolored Blackbird <i>Agelaius tricolor</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06P	Bird of conservation concern
Western Grebe <i>aechmophorus occidentalis</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EA	Bird of conservation concern
Yellow Rail <i>Coturnicops noveboracensis</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JG	Bird of conservation concern
Yellow-billed Magpie <i>Pica nuttalli</i> Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0N8	Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1B](#)

[PEM1Ch](#)

Freshwater Pond

[PUBHh](#)

[PUBHx](#)

Riverine

[R3UBH](#)

[R4SBA](#)

[R4SBAX](#)

[R4SBC](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>