



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 34038  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 384

**EO Index:** 12605  
**Element Code:** AAAAAA01180  
**Occurrence Last Updated:** 1996-07-09

**Scientific Name:** *Ambystoma californiense*

**Common Name:** California tiger salamander

**Listing Status:**       **Federal:** Threatened  
                               **State:**       Threatened  
**CNDDB Element Ranks:** **Global:** G2G3  
                                   **State:**       S2S3

**Rare Plant Rank:**  
**Other Lists:**       CDFW\_SSC-Species of Special Concern  
                               IUCN\_VU-Vulnerable

**General Habitat:**

CENTRAL VALLEY DPS FEDERALLY LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS FEDERALLY LISTED AS ENDANGERED.

**Micro Habitat:**

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

**Last Date Observed:** 1993-01-31  
**Last Survey Date:** 1993-01-31  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 SOUTH WEST CORNER OF COVELL BLVD AND LAKE BLVD, IN THE CITY OF DAVIS.

**Detailed Location:**  
 FOUND IN THE PARKING LOT AT THE WILLOWS APARTMENTS.

**Ecological:**  
**Threats:**  
 URBAN DEVELOPMENT, AGRICULTURAL FIELDS AND TWO VERY BUSY ROADS.

**General:**  
 APARTMENT COMPLEX PARKING LOT LOCATED ACROSS LAKE BLVD FROM "WET POND" A CITY OWNED WILDLIFE HABITAT AREA MANAGED BY THE YOLO AUDUBON SOCIETY.

<b>PLSS:</b> T08N, R02E, Sec. 07 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268740 E605722	<b>Latitude/Longitude:</b> 38.56082 / -121.78655	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**  
 COO93F0010 COOK, R. - FIELD SURVEY FORM FOR AMBYSTOMA CALIFORNIENSE (CALIFORNIA TIGER SALAMANDER) 1993-01-31



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 24954  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 44

**EO Index:** 9820  
**Element Code:** ABNKC06010  
**Occurrence Last Updated:** 1994-01-27

**Scientific Name:** *Elanus leucurus*

**Common Name:** white-tailed kite

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3S4

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_FP-Fully Protected  
                               IUCN\_LC-Least Concern

**General Habitat:**

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

**Micro Habitat:**

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

**Last Date Observed:** 1993-08-01  
**Last Survey Date:** 1993-08-01  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 0.5 MILE WEST OF COUNTY ROAD 113 AND 0.5 MILE NORTH OF COUNTY ROAD 31, NW OF DAVIS.

**Detailed Location:**

**Ecological:**

NEST SITE IS LOCATED WITHIN A SMALL LINE OF WALNUTS SURROUNDED BY NATIVE VEGETATION AND AGRICULTURAL FIELDS. BURROWING OWLS WERE ALSO FOUND IN THE VICINITY UNTIL DEVELOPMENT OF A NEW HOSPITAL IN APRIL 1993 DESTROYED THEIR BURROW SITE.

**Threats:**

THREATENED BY CONSTRUCTION OF A NEW HOSPITAL ADJACENT TO NEST SITE.

**General:**

2 ADULTS FLEDGED 1 YOUNG IN 1993.

**PLSS:** T08N, R02E, Sec. 05 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4269608 E606531

**Latitude/Longitude:** 38.56855 / -121.77714

**Elevation (feet):** 50

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**

ERI93F0002    ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-08-01



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	24956	<b>EO Index:</b>	12107
<b>Key Quad:</b>	Davis (3812156)	<b>Element Code:</b>	ABNKC06010
<b>Occurrence Number:</b>	45	<b>Occurrence Last Updated:</b>	1994-02-03

<b>Scientific Name:</b>	<i>Elanus leucurus</i>	<b>Common Name:</b>	white-tailed kite
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5 <b>State:</b> S3S4	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

<b>Last Date Observed:</b>	1993-06-15	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-06-15	<b>Occurrence Rank:</b>	Poor
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
0.2 MILE WEST OF EL MACERO ROAD, 0.7 MILE SOUTH OF I-80, SE OF DAVIS.

**Detailed Location:**  
NEST SITE LOCATED WITHIN A RIPARIAN STRIP THAT IS 0.25 MILE LONG AND 100 M WIDE.

**Ecological:**  
HABITAT CONSISTS OF A SMALL RIPARIAN STRIP, DOMINATED BY OAKS, POPLARS, AND SOME WALNUT; ADJACENT AREA ON NORTH, EAST, AND WEST IS MADE UP OF HOUSES, AREA TO THE SOUTH IS A TOMATO FIELD.

**Threats:**  
THREATENED BY DEVELOPMENT AND ASSOCIATED HUMAN DISTURBANCES.

**General:**  
2 ADULTS FLEDGED 1 YOUNG IN 1993, DESPITE SEVERE INTERSPECIES AGGRESSION DUE TO THE PROXIMITY OF A SWAINSON'S HAWK NEST, LOCATED 200 M EAST.

<b>PLSS:</b> T08N, R02E, Sec. 13 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266853 E613498	<b>Latitude/Longitude:</b> 38.54286 / -121.69763	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
ER193F0003 ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-06-15



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 24955  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 46

**EO Index:** 11921  
**Element Code:** ABNKC06010  
**Occurrence Last Updated:** 2000-03-29

**Scientific Name:** *Elanus leucurus*

**Common Name:** white-tailed kite

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3S4

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_FP-Fully Protected  
                               IUCN\_LC-Least Concern

**General Habitat:**

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

**Micro Habitat:**

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

**Last Date Observed:** 1999-06-21

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 1999-11-21

**Occurrence Rank:** None

**Owner/Manager:** UNKNOWN

**Trend:** Decreasing

**Presence:** Possibly Extirpated

**Location:**

JUST NORTH OF COUNTY ROAD 30B, 0.5 MILE NE OF COVELL BLVD, EAST OF DAVIS.

**Detailed Location:**

NEST SITE IS LOCATED AT AN ABANDONED RANCH AT 44288 ROAD 30B, AT THE END OF AN OLIVE TREE-LINED, OVERGROWN DRIVEWAY.

**Ecological:**

NEST TREE WAS A CEDRUS SP IN 1993; IN 1999, THE NEST TREE WAS AN OLIVE. SURROUNDING FORAGING AREA CONSISTS OF AGRICULTURAL FIELDS OF WHEAT, ALFALFA, AND SAFFLOWER.

**Threats:**

POSSIBLE THREAT OF CONVERSION TO AGRICULTURE; HOUSE WAS REMOVED, AND LATER ALL TREES, IN 1999.

**General:**

2 YOUNG FLEDGED IN 1993. DEVELOPMENT 1.6 KM TO THE SE DURING 1993 SEASON. 3 YOUNG FLEDGED IN 1999. DURING FALL OF 1999, ALL TREES AT THIS SITE WERE REMOVED.

**PLSS:** T08N, R03E, Sec. 06 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4269782 E614305

**Latitude/Longitude:** 38.56915 / -121.68790

**Elevation (feet):** 25

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- ERI93F0004    ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-06-10
- RES99F0029    RESSEGUIE, L. - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1999-06-21
- RES99U0001    RESSEGUIE, L. - EMAIL CORRESPONDENCE REGARDING ELANUS LEUCURUS (NEST SITE) AT UTM 0614401/4269589 1999-11-21



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	25470	<b>EO Index:</b>	11806
<b>Key Quad:</b>	Saxon (3812146)	<b>Element Code:</b>	ABNKC06010
<b>Occurrence Number:</b>	49	<b>Occurrence Last Updated:</b>	1995-11-02

<b>Scientific Name:</b>	<i>Elanus leucurus</i>	<b>Common Name:</b>	white-tailed kite
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5 <b>State:</b> S3S4	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

<b>Last Date Observed:</b>	1993-04-25	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-04-25	<b>Occurrence Rank:</b>	Good
<b>Owner/Manager:</b>	YOLO COUNTY	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
EAST SIDE OF ROAD 104, SOUTH OF THE INTERSECTION OF TREMONT ROAD, YOLO COUNTY PARK.

**Detailed Location:**

**Ecological:**  
NEST TREE IS A EUCALYPTUS WITHIN A HEDGEROW; FORAGING HABITAT CONSISTS OF "MANAGED" NATIVE VEGETATION, BORDERED BY AGRICULTURAL FIELDS TO THE NORTH, WEST, AND SOUTH.

**Threats:**  
**General:**  
2 ADULTS FLEDGED 3 YOUNG IN 1993; NESTING SWAINSON'S HAWK NEARBY SOMETIMES OBSERVED IN CONFLICT WITH THE KITES (ALWAYS THE KITES PURSUING THE HAWKS).

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261307 E613992	<b>Latitude/Longitude:</b> 38.49283 / -121.69287	<b>Elevation (feet):</b> 30

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Saxon (3812146)

**Sources:**  
ERI93F0007 ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-04-25



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	24957	<b>EO Index:</b>	11790
<b>Key Quad:</b>	Merritt (3812157)	<b>Element Code:</b>	ABNKC06010
<b>Occurrence Number:</b>	50	<b>Occurrence Last Updated:</b>	1994-01-31

<b>Scientific Name:</b>	<i>Elanus leucurus</i>	<b>Common Name:</b>	white-tailed kite
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5 <b>State:</b> S3S4	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

<b>Last Date Observed:</b>	1993-08-19	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-08-19	<b>Occurrence Rank:</b>	Good
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ALONG SOUTH BANK OF PUTAH CREEK, 0.5 MILE SOUTH OF UCD AIRPORT.

**Detailed Location:**  
 NEST SITE LOCATED ON THE SOUTH BANK OF PUTAH CREEK.

**Ecological:**  
 HABITAT CONSISTS OF RIPARIAN, DOMINATED BY OAKS AND POPLARS, WITH A FEW PINES BORDERING THE ADJACENT FALLOW FIELD.

**Threats:**  
 THREATENED BY DEVELOPMENT, PREDATION BY FOXES, AND HUMAN ACTIVITIES.

**General:**  
 2 ADULTS FLEDGED 1 YOUNG, ON 10 SEP 93 (THE LAST NEST IN THE AREA TO FLEDGE). BOTH MALE AND FEMALE AT THIS SITE WERE FITTED WITH RADIO TRANSMITTERS. SEVERAL OTHER KITE NESTS IN THE VICINITY FAILED.

<b>PLSS:</b> T08N, R02E, Sec. 19 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4264884 E605046	<b>Latitude/Longitude:</b> 38.52616 / -121.79489	<b>Elevation (feet):</b> 65

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 ERI93F0008 ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-08-19



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51556  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 64

**EO Index:** 51556  
**Element Code:** ABNKC06010  
**Occurrence Last Updated:** 2003-06-17

**Scientific Name:** *Elanus leucurus*

**Common Name:** white-tailed kite

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3S4

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_FP-Fully Protected  
                               IUCN\_LC-Least Concern

**General Habitat:**

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

**Micro Habitat:**

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

**Last Date Observed:** 2003-06-09  
**Last Survey Date:** 2003-06-09  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 EAST SIDE OF THE WEST ARM OF (U-SHAPED) CAMPHOR LANE, NORTH OF LOYOLA, EAST DAVIS.

**Detailed Location:**  
 NEST IS LOCATED AT THE 95% HEIGHT OF THE NEST TREE, IN THE FRONT YARD OF 1314 CAMPHOR LANE.

**Ecological:**  
 NEST TREE IS A PINE; THE KITES FREQUENTLY FORAGE IN THE PARK SITE BETWEEN 5TH STREET, LOYOLA DRIVE, AND ALHAMBRA DRIVE. PARK SITE IS NOW RUDERAL.

**Threats:**  
 THREATENED BY SURROUNDING DEVELOPMENT, WHICH WILL GREATLY REDUCE NEARBY FORAGING AREAS.

**General:**  
 BIRDS OBSERVED NESTING ON 22 MAY AND 9 JUN 2003; 2 ADULTS AND 1 FLEDGLING OBSERVED.

<b>PLSS:</b> T08N, R02E, Sec. 11 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268497 E611971	<b>Latitude/Longitude:</b> 38.55787 / -121.71489	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 RES03F0001    RESSEGUIE, L. - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 2003-05-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10814  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 28

**EO Index:** 8082  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-06-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1988-XX-XX  
**Last Survey Date:** 1988-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 ABOUT 0.2 MILES SOUTH OF I-80, BETWEEN COWELL BOULEVARD AND DRUMMOND STREET IN DAVIS.

**Detailed Location:**  
 TERRITORIES #YO002 & YO004 FROM CDFW 1994 SWHA DATABASE (#SO029 IN 1992 VERSION). EXACT LOCATIONS UNKNOWN; TRS GIVEN AS NE 1/4 SEC 14.

**Ecological:**  
 1979 & 1982 NESTS IN FARMYARD OAKS. 1988 NEST IN VALLEY OAK; SURROUNDED BY FARMLAND. AREA HAS BEEN DEVELOPED INTO URBAN RESIDENTIAL; NESTING & FORAGING HABITAT LOST TO NORTH.

**Threats:**  
 DEVELOPMENT HAS REDUCED OR ELIMINATED HISTORICAL NESTING AND FORAGING HABITAT IN NE1/4 OF T8N R2E SEC14.

**General:**  
 NESTING OBSERVED IN 1979 AND 1982, UNSUCCESSFUL (BIRDS FOUND DEAD IN 1979). INCIDENTAL OBSERVATIONS IN 1980 & 1984. NESTING OBSERVED IN 1988, SUCCESS UNKNOWN. FORAGING SWHA OBSERVED IN 1991.

<b>PLSS:</b> T08N, R02E, Sec. 14 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266905 E611929	<b>Latitude/Longitude:</b> 38.54353 / -121.71562	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG84U0003 CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST88F0065 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
  - SCO91F0021 SCOONOVER, R - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-07-18



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10852  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 35

**EO Index:** 10018  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1994-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 SOUTH SIDE OF MONTGOMERY ROAD, ABOUT 0.5 MILES WEST OF MACE BLVD IN SOUTHEAST DAVIS.

**Detailed Location:**  
 TERRITORIES #YO014 & YO158 (PART- SEE ALSO OCC #407), YO165, AND YO218 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE.

**Ecological:**  
 1988 NESTS IN SMALL GROVE OF VALLEY OAKS NEXT TO WILLOWBANK RD AND IN OAK TREE SURROUNDED BY AGRICULTURE. NEW NEST IN 1994, IN LONE OAK TREE BEHIND BARN.

**Threats:**  
**General:**  
 NONE SEEN IN 1980. 2 ACTIVE NESTS OBSERVED IN 1988; FATE UNKNOWN. NEST WITH PAIR AND 2 YOUNG OBSERVED IN 1994.

<b>PLSS:</b> T08N, R02E, Sec. 13 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266084 E612995	<b>Latitude/Longitude:</b> 38.53599 / -121.70352	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG84U0003 CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST88F0004 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10861  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 36

**EO Index:** 24265  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-05-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-04-23  
**Last Survey Date:** 2009-04-23  
**Owner/Manager:** CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

SOUTH FORK OF PUTAH CREEK AT MACE BOULEVARD (COUNTY RD 104), SE OF DAVIS.

**Detailed Location:**

7 NEST SITES IN SW SEC 19, NW SEC 30, NE SEC 25, AND SE SEC 24. INCLUDES ESTEP'S SITES YO-170, YO-111, YO-166, AND YO-171; CDFW SITES YO255, YO244; AND RESSEGUIE'S DAVIS 30, DAVIS 11, AND DAVIS 45.

**Ecological:**

NESTS WERE IN RIPARIAN COTTONWOODS AND BLACK WALNUT ALONG PUTAH CREEK, TREE ROW PINES EAST OF COUNTY ROAD 104, AND LONE COTTONWOOD AND LONE VALLEY OAK WEST OF COUNTY RD 104 IN AGRICULTURE FIELD.

**Threats:**

THREATENED BY DEVELOPMENT AND LOSS OF NEST TREES (2004).

**General:**

OBSERVED IN AREA IN 1979-1980. 1 OR MORE ACTIVE NESTS IN THIS AREA IN 1986, 1987, 1988, 1990, 1991, 1992, 1994, 2000, 2001, 2002, 2004 (4 CONCURRENTLY ACTIVE NESTS), 2005, 2007(4 CONCURRENTLY ACTIVE NESTS), AND 2009.

**PLSS:** T08N, R03E, Sec. 19 (M)  
**UTM:** Zone-10 N4264250 E613812

**Accuracy:** specific area  
**Latitude/Longitude:** 38.51936 / -121.69444

**Area (acres):** 35  
**Elevation (feet):** 35

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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BUR00F0005	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-04-28
BUR00F0006	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-04-28
DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG09D0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0001	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0002	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0064	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
RES01F0073	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0027	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0067	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12
RES04F0356	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12
RES05F0014	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-07-29
RES05F0210	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-19
RES05F0226	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10676  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 90

**EO Index:** 7907  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 DRY SLOUGH, ABOUT 0.25 MILE WEST OF COUNTY ROAD 99 CROSSING, NNW OF DAVIS.

**Detailed Location:**  
 1979-94: TERRITORY #YO013 FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS; ALONG SLOUGH NEAR RD 99. 1999-2004: MAPPED TO UTMS GIVEN FOR RESSEGUIE SITES MERRITT 6 (N) & 7 (S). 2007: MAPPED TO SITE YO-226 FROM 2008 ESTEP REPORT.

**Ecological:**  
 1979 NEST IN 40' OAK. 1991, '94 NESTS IN COTTONWOODS IN RIPARIAN SURROUNDED BY GRAIN/ROW CROPS USED FOR FORAGING. 2 CONCURRENTLY ACTIVE NESTS IN 1999-04; BOTH IN LARGE COTTONWOODS. HABITAT INCLUDED WALNUT ORCHARD, CROPS, RUDERAL LAND.

**Threats:**  
**General:**  
 2 FLEDGED, 1979. INACTIVE UNTIL 1991; 2 FLEDGED. N NEST ACTIVE/0 YOUNG, 1999. S NEST ACTIVE/0 YOUNG 1999, 2000. INACTIVE, 2001. ADULTS SEEN AT BOTH NESTS '04, WARNING CRIES HEARD, POSSIBLE FLEDGLING. NEST W/1 YOUNG OBS DURING 2007 SURVEY.

**PLSS:** T09N, R02E, Sec. 30 (M)      **Accuracy:** specific area      **Area (acres):** 17  
**UTM:** Zone-10 N4272398 E605496      **Latitude/Longitude:** 38.59381 / -121.78859      **Elevation (feet):** 60

**County Summary:** Yolo  
**Quad Summary:** Merritt (3812157)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST91F0032	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
RES01U0001	RESSEGUIE, L. - CORRECTIONS TO CNDDDB FOR SWAINSON'S HAWK OCCURRENCES ON THE DIXON, DOZIER, AND MERRITT QUADS. 2001-03-26
RES01U0002	RESSEGUIE, L. - MEMO DESCRIBING UNOCCUPIED SWHA NEST SITES FOR 2001 AND MAPS SHOWING RESSEGUIE'S SEARCH AREAS. 2001-01-11
RES04F0361	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-08
RES04F0434	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-14
RES99F0036	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-06-21
RES99F0037	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-04-10
SCO91F0011	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-06-08



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10637	<b>EO Index:</b> 27489	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 91	<b>Occurrence Last Updated:</b> 2013-02-26	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
VICINITY OF PLAINFIELD STATION, ALONG DRY SLOUGH NEAR ROAD 98 CROSSING, 3 MILES NW OF DAVIS.

**Detailed Location:**  
NEST SITES ON BOTH SIDES OF RD 98 & AT PLAINFIELD STATION. E SIDE: TERRITORY #YO012 FROM CDFW SWHA DATABASE (1979-88); RESSEGUIE SITE MERRITT 52 (2004); ESTEP YO-227 ('07). W SIDE: #YO143 (1994); MERRITT 8 ('99-2002); YO-228 ('07).

**Ecological:**  
1988: NEST IN COTTONWOOD (CW). 1991: NEST IN CW WITHIN HIGHLY DEGRADED RIPARIAN HABITAT; CULTIVATED LAND TO N & S. 1994: NEST IN FARMYARD EUCALYPTUS. 1999: PRODUCTIVE NEST IN CW. 2001: PAIR DEFENDED A BLACK WALNUT. '02-07 NESTS IN CWS.

**Threats:**  
**General:**  
YEAR(#YOUNG): 1979(?), '80(2), '81(1), SWHA BUT NO NEST '82-85, '86(1), '87(0), '88(3), '91(?), '94(2), '99(1 FLEDGED/3 ATTEMPTS), 2 FAILED ATTEMPTS 2000, DEFENSIVE PAIR '01, NEST-BUILDING '02, '04(1), '07(1 YOUNG/2 NESTS).

<b>PLSS:</b> T09N, R02E, Sec. 30 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 57
<b>UTM:</b> Zone-10 N4272065 E604370	<b>Latitude/Longitude:</b> 38.59093 / -121.80156	<b>Elevation (feet):</b> 65

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0019	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
EST91F0025	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
RES00F0122	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-04-08
RES01F0096	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0228	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0449	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-24
RES04F0476	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2004-07-21
RES99F0027	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-07-15



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10793  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 98

**EO Index:** 25030  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-08-19

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2013-XX-XX  
**Last Survey Date:** 2013-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 DAVIS CEMETERY, JUST NORTH OF EIGHTH STREET AT N DIAMETER DRIVE IN EAST DAVIS.

**Detailed Location:**  
 VICINITY OF TERRITORY YO209 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE 1979-1994 (PART OF YO003 IN EARLIER VERSIONS). MAPPED TO COORDINATES FOR CDFW NEST RECORD FROM 2003 AND 2007 & 2013 FIELD SURVEY FORMS, FROM WEST TO EAST.

**Ecological:**  
 1987 NEST IN LONE OAK. 1988 NEST IN WALNUT BEHIND OLD HOMESTEAD E OF CEMETERY. 2003 & 2007 NESTS IN COTTONWOOD (HEAVILY INFESTED W/MISTLETOE, '07). 2013 NEST IN LARGE VALLEY OAK. PROPERTY INCLUDES 10 AC FALLOW LAND. IN RESIDENTIAL AREA.

**Threats:**  
 SINCE 1987, HOUSING DEVELOPMENTS HAVE REDUCED NESTING AND FORAGING HABITAT IN VICINITY. TREE REMOVAL (2013).

**General:**  
 3 FLEDGED IN 1987. 2 FLEDGED IN 1988. NEST WITH 1 DOWNY YOUNG OBSERVED ON 12 MAY 2003. NESTING PAIR OBSERVED 4 MAY 2007, NEST SUCCESS UNKNOWN. 1-2 YOUNG PRODUCED IN 2013, NO HAWKS OBS ON 14 AUG; FLEDGING SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 11 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 14
<b>UTM:</b> Zone-10 N4268131 E611274	<b>Latitude/Longitude:</b> 38.55466 / -121.72293	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- BUS13F0001 BUSH, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2013-08-14
  - DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG84U0003 CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST88F0006 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
  - MCN07F0002 MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2007-05-04



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10683  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 106

**EO Index:** 27198  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-18

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UC-DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

ALONG PUTAH CREEK ON EITHER SIDE OF HIGHWAY 113, JUST NORTH OF I-80 JUNCTION, AT UC DAVIS.

**Detailed Location:**

TERRITORIES #YO029 (W SIDE HWY) & #YO240 (E SIDE) FROM CDFW SWHA DATABASE 1979-94. OTHER DETECTIONS ATTRIBUTED TO YO029 AT EO#446. 2003-07 SITE ON W SIDE OF HWY 113, FROM CDFW DATABASE OF NEST RECORDS 2000-04 & SITE YO-269 FROM ESTEP '08.

**Ecological:**

1994: NEST IN VALLEY OAK IN RIPARIAN CORRIDOR ALONG PUTAH CREEK (YO240); & NEST IN COTTONWOOD ON W SIDE OF HWY (YO029). 2003: NEST IN 30' COTTONWOOD ADJACENT TO UCD SHEEP BARN, SURROUNDED BYCROPLANDS. 2007: NEST IN SAME/ADJACENT COTTONWOOD.

**Threats:**

**General:**

1994: 2 ACTIVE NESTS; PAIR WITH 1 YOUNG AT YO240, PAIR WITH 3 YOUNG AT YO029. NEST WITH 1 DOWNY YOUNG OBSERVED ON 3 JUN 2003. ACTIVE NEST OBSERVED IN 2007; OUTCOME UNKNOWN.

**PLSS:** T08N, R02E, Sec. 20 (M)  
**UTM:** Zone-10 N4265338 E607288

**Accuracy:** nonspecific area  
**Latitude/Longitude:** 38.52998 / -121.76910

**Area (acres):** 11  
**Elevation (feet):** 65

**County Summary:**

Solano, Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10749	<b>EO Index:</b> 7862
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 108	<b>Occurrence Last Updated:</b> 2013-01-17

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 1992-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1992-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UC-DAVIS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF OLD DAVIS ROAD, 300 FEET WEST OF THE CAMPUS INFORMATION BOOTH, UNIVERSITY OF CALIFORNIA, DAVIS.

**Detailed Location:**  
TERRITORY #YQ211 FROM CDFW DATABASE OF 1979-1994 SWAINSON'S HAWK OBSERVATIONS (#SO030 IN 1992 VERSION).

**Ecological:**  
NEST TREE IS A CONIFER.

**Threats:**  
**General:**  
ONE ADULT OBSERVED SOARING IN THIS AREA IN 1981, BUT NO NEST WAS FOUND. NESTING WAS OBSERVED DURING ENGLAND'S 1990-92 SURVEY AND AGAIN IN 1992 BY ESTEP.

<b>PLSS:</b> T08N, R02E, Sec. 16 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265640 E608577	<b>Latitude/Longitude:</b> 38.53255 / -121.75428	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Solano, Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG81U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK & PRAIRIE FALCON NEST RECORDS FROM FILES AT DFG NONGAME WILDLIFE INVESTIGATIONS (WILDLIFE BRANCH); NOT AT CNDDB. 1981-XX-XX
DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0008	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
EST92F0017	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10891  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 111

**EO Index:** 24262  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-10-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2013-07-23  
**Last Survey Date:** 2013-07-23  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ALONG I-80 FROM JUST W OF CO RD 105 TO JUST EAST OF CO RD 105D, EAST OF DAVIS.

**Detailed Location:**  
 MAPPED TO PROVIDED COORDINATES. 4 POLYGONS ALONG I-80 FROM W TO E; 1: CDFW SITE YO021 & ESTEP SITE YO-266. 2: 2002 NEST FROM CDFW RECORDS. 3: 2003-04 NESTS FROM CDFW RECORDS, ESTEP'S YO-160 (2009), 2013 NEST. 4: RESSEGUIE'S SITE DAVIS 27.

**Ecological:**  
 1: 1987-88 NEST TREE IN CALFIRE NURSERY/EQUIP YARD. 2000 NEST IN PINE, S SIDE CHILES RD; '03/'07 IN PINE. 2: NEST IN WILLOW. 3: 2002-03/'07/'09 NEST IN WALNUT. 4: '02 NEST IN WILLOW N OF RR TRACK. '05 IN CHINESE ELM. SURROUNDED BY CROPLAND.

**Threats:**  
**General:**  
 FLYOVERS IN 1981 & '87. 1988: BREEDING PAIR. 2000: ACTIVE NEST. '02: 2 NESTS, AT LEAST 1 YOUNG. '03: 2 NESTS, 3 YOUNG TOTAL. '04: 2 YOUNG. '05: 1 FLEDGED. '07: 2 NESTS, AT LEAST 2 FLEDGED. '09: INCUBATING. '11: 1 SWHA. '13: 1 FLEDGED.

<b>PLSS:</b> T08N, R03E, Sec. 07 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 28
<b>UTM:</b> Zone-10 N4268393 E615325	<b>Latitude/Longitude:</b> 38.55649 / -121.67642	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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BUR00F0007	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-04-28
DEI13F0001	DEICHSEL, S. (URS CORPORATION) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2013-07-23
DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG09D0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0007	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
MCB11F0014	MCBRIDE, E. (U.S. FISH AND WILDLIFE SERVICE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2011-05-01
RES05F0034	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10844  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 206

**EO Index:** 27096  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 1989-08-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1984-05-15  
**Last Survey Date:** 1984-05-15  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 0.5 MILE SOUTH OF WILLOW SLOUGH BYPASS, BETWEEN ROADS 103 AND 104.

**Detailed Location:**  
**Ecological:**  
 HABITAT CONSISTS OF AGRICULTURE WITH SOME SOLITARY OAKS.

**Threats:**  
**General:**  
 DFG SWHA #YO049. 2 ADULTS OBSERVED SOARING WITH 2 RED-TAILS; NEST NOT FOUND.

<b>PLSS:</b> T09N, R02E, Sec. 36 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4271228 E612628	<b>Latitude/Longitude:</b> 38.58239 / -121.70691	<b>Elevation (feet):</b> 30

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 DFG84U0003 CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10635  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 213

**EO Index:** 27088  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-02-06

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT, UC-DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

ALONG PUTAH CREEK, NEAR PEDRICK ROAD (RD 98) CROSSING, ABOUT 0.5 MILE SW OF UC DAVIS AIRPORT.

**Detailed Location:**

1982-94: TERRITORIES YO153, YO234, SL012, YO164, YO166, SO028, & YO209 FROM CDFW SWHA DATABASE. 2002-03: CDFW NEST RECORDS. '04-05: RESSEGUIE SITE MERRITT 83. 2007: SITES YO-238 TO 241, 245 & 248 FROM ESTEP REPORT.

**Ecological:**

MANY NEST SITES; NEST TREES WERE EUCALYPTUS, VALLEY OAK, COTTONWOOD, WILLOW IN RIPARIAN CORRIDOR SURROUNDED BY AGRICULTURE. 2002-03 NEST IN 40' EUC ON W SIDE RD 98. 2004-05 NEST IN VALLEY OAK AT KIDWELL RANCH, 0.4 MI W OF N FORK CONFLUENCE.

**Threats:**

**General:**

YEAR(#ACTIVE NESTS/#YOUNG): 1982(1-2/1-2) '87(1/1) '88(1/?) 1990-92(UP TO 6/?) '93(1/1 FLEDGED) '94(3-4/5-7 FLEDGED) 2002(1/1) '03(1 ABANDONED NEST) '04(1/1) '05(1 INACTIVE NEST) '07(6/3; 3 OF THE NESTS W/UNKNOWN SUCCESS).

**PLSS:** T08N, R01E, Sec. 24 (M)      **Accuracy:** nonspecific area      **Area (acres):** 123  
**UTM:** Zone-10 N4265034 E604265      **Latitude/Longitude:** 38.52760 / -121.80383      **Elevation (feet):** 70

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0015	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0016	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0017	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0018	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0019	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0020	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92U0002	ENGLAND, S. - 1992 NESTING DATA FROM A STUDY AREA IN THE VICINITY OF DAVIS, CALIFORNIA 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0021	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
LEO87F0010	LEONG, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1987-07-05
RES04F0032	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
RES05F0124	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01
SCO91F0012	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-06-08



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10716	<b>EO Index:</b> 27085	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 216	<b>Occurrence Last Updated:</b> 2013-02-06	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 1984-06-04	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1986-XX-XX	<b>Occurrence Rank:</b> Poor
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH DAVIS FARMS, JUST EAST OF HWY 113 APPROXIMATELY 0.5 MILES NORTH OF COVELL BLVD.

**Detailed Location:**  
TERRITORY #Y0045 FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS.

**Ecological:**  
NEST TREE WAS A WALNUT.

**Threats:**  
SITE WAS DEVELOPED INTO RESIDENTIAL AREA BEFORE 1993.

**General:**  
FEMALE OBSERVED INCUBATING ON NEST IN 1984; 1 FLEDGLING OBSERVED LATER. INACTIVE IN 1985 & 1986.

<b>PLSS:</b> T08N, R02E, Sec. 04 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269649 E607544	<b>Latitude/Longitude:</b> 38.56879 / -121.76551	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
RES01U0001	RESSEGUIE, L. - CORRECTIONS TO CNDDDB FOR SWAINSON'S HAWK OCCURRENCES ON THE DIXON, DOZIER, AND MERRITT QUADS. 2001-03-26



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10626  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 286

**EO Index:** 27026  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 1999-08-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1988-05-40  
**Last Survey Date:** 1988-05-30  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ALONG PEDRICK ROAD, 1 MILE SOUTH OF PUTAH CREEK, SW OF DAVIS.

**Detailed Location:**  
 NEST IN AN ISOLATED WALNUT TREE ON ROADSIDE.

**Ecological:**  
 NEST TREE IS AN ISOLATED, ROADSIDE WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURE.

**Threats:**  
 NEST TREE POTENTIALLY THREATENED BY DITCH EXCAVATION.

**General:**  
 DFG SWHA #SO010. 2 ADULTS OBSERVED NESTING; NESTING SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 30 (X)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263315 E604357	<b>Latitude/Longitude:</b> 38.51210 / -121.80303	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 SAN88F0001 SANDERS, S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-03-05



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 17301  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 309

**EO Index:** 11962  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2006-05-11  
**Last Survey Date:** 2006-05-11  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**

VICINITY OF PRINCETON PLACE & NE CORNER OF K SREET AT E 8TH STREET IN DAVIS.

**Detailed Location:**

1898-1990: TERRITORY YO081 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE, MAPPED TO LOCATION DESCRIBED ON 1989/90 FIELD SURVEY FORMS. 2006: MAPPED TO COORDINATES FROM FIELD SURVEY FORM.

**Ecological:**

1989 NEST IN NON-NATIVE PINE IN BACKYARD OF 1128 OR 1122 PRINCETON PLACE. 1990 PRESUMED NEST TREE WAS A TALL EUCALYPTUS. NESTING HABITAT WAS A SUBURBAN NEIGHBORHOOD.

**Threats:**

MAIN THREAT/DISTURBANCE APPEARS TO BE HARRASSMENT FROM LOCAL JAYS, CROWS, AND MOCKINGBIRDS.

**General:**

NEST AND 2 FLEDGLINGS CONFIRMED IN 1989 IN THE VICINITY OF PRINCETON PLACE. 2 ADULTS AND 1 JUVENILE OBSERVED IN FLIGHT NEAR THEIR PRESUMED NEST IN 1990. 2 ADULTS OBSERVED NESTING ON 11 MAY 2006.

**PLSS:** T08N, R02E, Sec. 10 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4267953 E610155

**Latitude/Longitude:** 38.55319 / -121.73581

**Elevation (feet):** 45

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- HOS06F0001 HOSHOVSKY, M. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2006-05-11
- SHA89F0001 SHAW, C. & M. HOSHOVSKY (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1989-06-XX
- SHA90F0001 SHAW, C. - FIELD SURVEY FORM FOR SWAINSON'S HAWK NEST SITE. 1990-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 21236  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 389

**EO Index:** 14112  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-06-11

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                              **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                      IUCN\_LC-Least Concern  
                      USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1992-05-19  
**Last Survey Date:** 2000-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
0.25 MILES SOUTH OF THE JUNCTION OF PEDRICK ROAD AND I-80, 2.75 MILES NNE OF DIXON.

**Detailed Location:**  
TERRITORY #SL002 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE, MAPPED TO "FIRST FARM RESIDENCE AREA SOUTH OF I-80 AND EAST OF PEDRICK ROAD."

**Ecological:**  
1992 NEST IN AN ALMOND TREE ON THE NORTH SIDE OF A FARM RESIDENCE AREA; SURROUNDING HABITAT WAS IRRIGATED AGRICULTURE, INCLUDING ALFALFA AND OTHER CROPS.

**Threats:**  
POSSIBLY THREATENED BY DEVELOPMENT AND TREE REMOVAL.

**General:**  
NESTING OBSERVED ON 19 MAY 1992; BOTH BIRDS WERE INTERMEDIATE PHASE IN COLORATION. SURVEYOR STATED THAT TREES AND BUILDINGS AT THIS FARMSTEAD WERE REMOVED PRIOR TO THE 2000 BREEDING SEASON; 2012 AERIALS SHOW NEW TREES IN AREA.

<b>PLSS:</b> T07N, R02E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260264 E604377	<b>Latitude/Longitude:</b> 38.48461 / -121.80326	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

- Sources:**
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - RES01U0001 RESSEGUIE, L. - CORRECTIONS TO CNDDDB FOR SWAINSON'S HAWK OCCURRENCES ON THE DIXON, DOZIER, AND MERRITT QUADS. 2001-03-26
  - SCO92F0010 SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-05-19



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 21827  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 405

**EO Index:** 17511  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-10-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2012-07-XX  
**Last Survey Date:** 2012-07-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

WILLOW SLOUGH, ONE MILE SOUTH OF COUNTY ROAD 27, 2 MILES NORTH OF DAVIS.

**Detailed Location:**

SOUTH SITE: VICINITY OF TERRITORY YO071 FROM CDFW SWHA OBSERVATIONS DATABASE, ACTIVE 1987-94; MAPPED TO COORDINATES GIVEN FOR SITE YO-258 IN 2008 ESTEP REPORT & 2012 SITE. NORTH SITE: 1992 NEST IN VICINITY; MAPPED TO YO-259 (ESTEP, 2008).

**Ecological:**

NEST TREES WERE VALLEY OAKS IN RIPARIAN HABITAT; NEARBY HAY/GRAIN/ALFALFA/ROW CROPS USED FOR FORAGING.

**Threats:**

**General:**

SOUTH SITE: ACTIVE NEST, 0 YOUNG OBSERVED IN 1987; ACTIVE NEST OBSERVED, SUCCESS UNKNOWN IN 1988 & 1991; NEST PRODUCED 3 YOUNG IN 1994 AND 1 IN 2007; 2 FLEDGLINGS IN 2012. NORTH SITE: ACTIVE NEST OBSERVED, SUCCESS UNKNOWN IN 1992 & 2007.

<b>PLSS:</b> T09N, R02E, Sec. 27 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4273425 E609280	<b>Latitude/Longitude:</b> 38.60260 / -121.74499	<b>Elevation (feet):</b> 50

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
- EST88F0028 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
- EST91F0006 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
- EST92F0005 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
- LEN12D0001 LENIHAN, C. - SAN DIEGO BURROWING OWL NEST LOCATIONS & RAPTOR 2012 REPORT 2012-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 21828  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 406

**EO Index:** 17509  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2001-04-11  
**Last Survey Date:** 2005-07-09  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 0.25 MILE EAST OF COUNTY ROAD 102 AND 1.5 MILES NORTH OF COVELL, DAVIS.

**Detailed Location:**  
 TERRITORY #Y0092 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. MAPPED TO UTMS GIVEN FOR RESSEGUIE'S DAVIS 16 SITE. 2001 NEST WAS AT THE 75% HEIGHT OF THE TALLEST BLACK WALNUT IN THE WESTERN-MOST GROUP.

**Ecological:**  
 1989 NEST IN COTTONWOOD. 2001 NEST TREE WAS A BLACK WALNUT, LOCATED IN REMNANT RIPARIAN HABITAT; SURROUNDING FORAGING HABITAT CONSISTED OF WHEAT TO THE NORTH, RUDERAL TO THE SW, AND ALFALFA TO THE SE.

**Threats:**  
**General:**  
 3 FLEDGED IN 1989. SITE INACTIVE IN 1991 & 1994. NEST MONITORED 11 APR-15 AUG 2001; MALE SEEN FEEDING FEMALE ON 11 APR 2001. INACTIVE IN 2002. SWHA OBSERVED IN EASTERN-MOST TREE ON 4 JUN 2004. SINGLE ADULT OBSERVED ON 26 APR 2005.

<b>PLSS:</b> T09N, R02E, Sec. 35 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4271299 E610903	<b>Latitude/Longitude:</b> 38.58325 / -121.72669	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

- DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- EST89F0002 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1989-XX-XX
- EST91F0007 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
- RES01F0070 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES04F0327 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
- RES05F0229 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-09



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21830	<b>EO Index:</b> 14535	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 407	<b>Occurrence Last Updated:</b> 2013-04-10	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2011-06-21	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2011-06-21	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH FORK PUTAH CREEK, FROM ABOUT 0.3 MILES TO 0.7 MILES WEST OF MACE BLVD IN DAVIS.

**Detailed Location:**  
VICINITY OF TERRITORY #YO158 (PART - SEE ALSO OCC#35) FROM CDFW SWHA DATABASE, 1979-94. MAPPED TO COORDINATES FOR 2003 NEST, FROM CDFW NEST RECORDS (W SITE); 2007 NEST, SITE YO-267 IN 2008 ESTEP REPORT (MIDDLE SITE); & 2011 NEST (E).

**Ecological:**  
1988 NEST IN A EUCALYPTUS SURROUNDED BY AG/RESIDENTIAL. 1994 NEST IN VALLEY OAK. 2003 NEST IN 60' COTTONWOOD BY BIKE PATH. 2007 NEST IN VO IN URBANIZED AREA. 2011 NEST IN BACKYARD REDWOOD.

**Threats:**  
SINCE 1988, RESIDENTIAL DEVELOPMENT HAS DECREASED THE AVAILABLE NESTING AND FORAGING HABITAT.

**General:**  
1979: ADULTS OBSERVED, NO NEST FOUND. NESTING PAIR OBS 1988, SUCCESS UNKNOWN. ACTIVE NEST WITH 2 YOUNG OBS IN 1994. NEST WAS ABANDONED IN 2003. NEST WITH 2 YOUNG OBS IN 2007. NEST WITH 1 DOWNY YOUNG OBS 21 JUN 2011.

<b>PLSS:</b> T08N, R02E, Sec. 13 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 15
<b>UTM:</b> Zone-10 N4266879 E613061	<b>Latitude/Longitude:</b> 38.54315 / -121.70264	<b>Elevation (feet):</b> 35

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST88F0005 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
  - WHI11F0001 WHISLER, E. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2011-06-21



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 21829  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 408

**EO Index:** 18653  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1991-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 JUST SOUTH OF DAVIS HIGH SCHOOL, IN A RESIDENTIAL AREA, DAVIS.

**Detailed Location:**  
 MAPPED TO LOCATIONS GIVEN ON 1991 FIELD SURVEY FORM AND FOR TERRITORY YO146 IN CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE: "JUST SOUTH" OR "0.25 MI SOUTH" OF DAVIS HIGH SCHOOL.

**Ecological:**  
 NEST TREE IS LOCATED IN A RESIDENTIAL AREA; FORAGING AREA UNKNOWN.

**Threats:**  
**General:**  
 2 ADULTS OBSERVED NESTING IN 1991; NEST SUCCESS UNKNOWN. IN 1994, "URBAN CONIFER SITE" WAS INACTIVE.

<b>PLSS:</b> T08N, R02E, Sec. 09 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268130 E608850	<b>Latitude/Longitude:</b> 38.55494 / -121.75075	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156), Merritt (3812157)

**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST91F0008	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21831	<b>EO Index:</b> 24263	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 409	<b>Occurrence Last Updated:</b> 2013-01-30	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 1988-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1994-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
AT THE SWINGLE HOMESTEAD SITE, 0.25 MILE NORTH OF I-80, 0.5 MILE EAST OF MACE ROAD, EAST OF DAVIS.

**Detailed Location:**  
TERRITORY #YO077 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE, 1979-1994.

**Ecological:**  
NEST TREE WAS A EUCALYPTUS TREE SURROUNDED BY FARM HOUSES.

**Threats:**  
**General:**  
2 ADULTS OBSERVED NESTING IN 1987; SUCCESS UNKNOWN. 2 ADULTS OBSERVED NESTING IN 1988; SUCCESS UNKNOWN. SITE INACTIVE IN 1994.

<b>PLSS:</b> T08N, R03E, Sec. 07 (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268681 E614646	<b>Latitude/Longitude:</b> 38.55918 / -121.68416	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST88F0008	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 21832  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 410

**EO Index:** 14534  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-09

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 EL MACERO GOLF COURSE, FROM REDBUD DR AT MACE BLVD NE TO MIDDLE GOLF DR; EAST OF DAVIS.

**Detailed Location:**  
 VICINITY OF TERRITORIES YO159, YO220 & YO253 FROM CDFW DATABASE. 4 SITES FROM W: 1)MAPPED PER 1993 FIELD SURVEY FORM; 2) FROM CDFW NEST RECORDS & RESSEGUIE'S SITE DAVIS 20 (2003-2005); 3) ESTEP'S 2007 SITE YO-303; 4) FROM CDFW RECORD, 2003.

**Ecological:**  
 1988 NEST IN GOLF COURSE COTTONWOOD. 1993 NEST IN RIPARIAN STRIP. 1994: IN GOLF COURSE CONIFER. 2002: NEST IN PINE. 2003: POLY 2 NESTS IN CEDAR (ABANDONED) & LOCUST; POLY 4 NEST IN "OTHER EXOTIC" TREE (ABANDONED). 2007 NEST IN COTTONWOOD.

**Threats:**  
**General:**  
 2 ADULTS OBSERVED NESTING IN 1988. ACTIVE NEST 1993, WHITE-TAILED KITE NESTED NEARBY. 2 NESTS PRODUCED 5 YOUNG IN 1994. 2 FLEDGED, 2002. 0 FLEDGED, 2003. POSSIBLY INACTIVE, 2004-05 (INADEQUATE OBSERVATION), ACTIVE NEST IN 2007.

**PLSS:** T08N, R03E, Sec. 18 (M)      **Accuracy:** nonspecific area      **Area (acres):** 30  
**UTM:** Zone-10 N4266958 E614319      **Latitude/Longitude:** 38.54370 / -121.68820      **Elevation (feet):** 30

**County Summary:** Yolo  
**Quad Summary:** Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - ERI93F0003 ERICHSEN, A.L. (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR ELANUS LEUCURUS (NEST SITE) 1993-06-15
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST88F0009 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
  - RES02F0033 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES03F0028 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2003-XX-XX
  - RES04F0472 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-11
  - RES05F0214 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-31



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21833	<b>EO Index:</b> 25681
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 411	<b>Occurrence Last Updated:</b> 2013-01-18

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT, CITY OF DAVIS, UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK OF PUTAH CREEK, FROM ABOUT 0.4 TO 1 MILE EAST OF MACE BLVD (COUNTY RD 104), ESE OF DAVIS.

**Detailed Location:**  
TERRITORIES #YO256, YO261, YO262 FROM CDFW DATABASE OF SWHA OBSERVATIONS. MAPPED TO COORDINATES FROM CDFW DATABASE OF NEST RECORDS 2000-04 AND SITES YO-162, 163, 164 & 165 FROM ESTEP, 2008.

**Ecological:**  
1988 NEST IN COTTONWOOD. 2007: 4 NEST IN WILLOWS, WALNUT, & COTTONWOOD. IN COTTONWOOD-DOMINANT RIPARIAN FOREST.

**Threats:**  
**General:**  
ACTIVE NEST OBSERVED IN 1988. 3 ACTIVE NESTS/2 PRODUCTIVE/3 FLEDGED IN 1992. 3 NESTS/7 YOUNG IN 1994. 1 NEST/1 YOUNG IN 2002. 2 NESTS/0 YOUNG OBS IN 2004. 4 NESTS/3 PRODUCTIVE/5 YOUNG IN 2007.

<b>PLSS:</b> T08N, R03E, Sec. 19 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 30
<b>UTM:</b> Zone-10 N4264181 E614512	<b>Latitude/Longitude:</b> 38.51865 / -121.68644	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	Davis (3812156)
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- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST88F0010 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
  - EST92F0008 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
  - EST92F0009 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
  - EST92F0010 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 21834  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 412

**EO Index:** 12758  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 SOUTH FORK OF PUTAH CREEK, ABOUT 1.5 MILES EAST OF MACE BOULEVARD (COUNTY ROAD 104), SE OF DAVIS.

**Detailed Location:**  
 TERRITORIES #YO163 AND YO260 FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS. MAPPED TO COORDINATES FROM CDFW DATABASE OF NEST RECORDS, 2000-2004, AND COORDINATES GIVEN FOR ESTEP'S YO-256 SITE FROM 2007.

**Ecological:**  
 1988, 1992: NESTS IN COTTONWOOD. 1994: 1 NEST IN WILLOW & 1 IN COTTONWOOD. 2002: 2 NESTS IN COTTONWOODS. 2004: 2-3 NESTS IN COTTONWOODS (UNCERTAIN # DUE TO MULTIPLE OBSERVERS), 2007 NEST IN WILLOW. SURROUNDING HABITAT RIPARIAN, CROPLAND.

**Threats:**  
**General:**  
 2 ADULTS OBSERVED NESTING & FORAGING IN 1988. 1 FLEDGED IN 1992. 2 ACTIVE NESTS/5 YOUNG OBS 1994. 2 ACTIVE NESTS/2 YOUNG OBS 2002. 2-3 ACTIVE NESTS/2-3 YOUNG OBS JUL 2004. 1 NEST FLEDGED 1 IN 2007.

<b>PLSS:</b> T08N, R03E, Sec. 29 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 26
<b>UTM:</b> Zone-10 N4263614 E616376	<b>Latitude/Longitude:</b> 38.51331 / -121.66515	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST88F0011 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
  - EST92F0011 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
  - LU-04F0001 LU, C. (URS CORPORATION) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21837	<b>EO Index:</b> 17508	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 415	<b>Occurrence Last Updated:</b> 2013-06-18	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH SIDE OF CO RD 29 (& WILLOW SLOUGH BYPASS CHANNEL) ACROSS FROM THE YOLO COUNTY CENTRAL LANDFILL, NE OF DAVIS.

**Detailed Location:**  
TERRITORY #YO076 FROM CDFW SWHA DATABASE. RESSEGUIE'S SITES DAVIS 13 & 14. SITE YO-222 FROM 2008 ESTEP REPORT. MULTIPLE NESTS WITHIN 250 M IN ROW OF COTTONWOODS AND WILLOWS ON THE SOUTH EMBANKMENT OF RD 29.

**Ecological:**  
1988, 1994 NESTS IN COTTONWOODS. 1998 NEST OCCUPIED BY GREAT HORNED OWL 1999-2001, DESTROYED IN '01. 2001 NEST IN WILLOW. 2002 NEST IN COTTONWOOD, OCCUPIED BY GREAT HORNED OWL IN 2004, INACTIVE BY 2005. 2004 & 2007 NEST IN COTTONWOOD.

**Threats:**

**General:**

2 ADULTS, 2 FLEDGLINGS JUL 1987. ACTIVE 1988. 3 FLEDGED 1990. NEST & 2 FLEDGLINGS IN 1994. 1 FLEDGED 1998. INACTIVE 2000. 1 FLEDGED 2001. ACTIVE NEST, 0 FLEDGED 2002. 2 FLEDGED 2004. 1 FLEDGED 2005. NEST WITH 2 YOUNG 2007.

<b>PLSS:</b> T09N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 16
<b>UTM:</b> Zone-10 N4272029 E614324	<b>Latitude/Longitude:</b> 38.58938 / -121.68731	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0014	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1988-XX-XX
EST90F0001	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1990-XX-XX
RES01F0071	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0029	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0066	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
RES04F0153	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
RES05F0211	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-15
RES05F0228	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-06-04
ROC00F0004	ROCCO, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-06-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21865	<b>EO Index:</b> 14011	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 433	<b>Occurrence Last Updated:</b> 2013-01-22	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WEST SIDE OF COUNTY ROAD 98, 0.2-0.5 MILES NORTH OF COUNTY ROAD 30, 2.5 MILES NW OF DAVIS.

**Detailed Location:**  
TERRITORIES YO265, YO066 & YO086 (SEE ALSO EO#432) FROM CDFW 1979-94 SWHA DATABASE; W SIDE RD 98/0.5 MI N OF RD 30. MAPPED TO RESSEGUE SITE MERRITT 12 & ESTEP '08 SITEYO-229 (S POLYGON) & CDFW 2000-04 DATABASE OF NEST RECORDS (N POLYGON).

**Ecological:**  
1986 NEST IN LONE TREE. 1987-2007 NEST TREES WERE BLACK WALNUTS ALONG RD 98, SOME WITH PROMINENT DEAD TOPS USED FOR PERCHING. SURROUNDED BY AGRICULTURE. THE ROADSIDE TREES REPRESENTED BY THE S POLYGON APPEAR TO HAVE BEEN REMOVED 2009-10.

**Threats:**  
TREE REMOVAL CITED AS POSSIBLE THREAT IN 2009 SEEMS TO HAVE TAKEN PLACE (PER AERIAL PHOTOS).

**General:**  
NEST W/1 YOUNG OBS IN 1986. ACTIVE, 1987 & '88. 2 FLEDGED, 1991. 1 FLEDGED, 1994 & '99. 2 FLEDGED, 2000. ACTIVE/0 YOUNG IN 2001. NEST FAILED, SWHA FOUND DEAD ON ROAD NEAR N NEST SITE, JUN 2002. 1 FLEDGED, 2004. NEST W/1 YOUNG OBS IN 2007.

<b>PLSS:</b> T09N, R01E, Sec. 36 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 17
<b>UTM:</b> Zone-10 N4271204 E604151	<b>Latitude/Longitude:</b> 38.58321 / -121.80421	<b>Elevation (feet):</b> 65

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST91F0027 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
  - RES00F0103 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-08-02
  - RES01F0097 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0231 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0365 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-11
  - RES99F0024 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-07-13



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22036	<b>EO Index:</b> 27498	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 436	<b>Occurrence Last Updated:</b> 1999-08-31	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 1988-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1988-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF COUNTY ROAD 30, 0.2 MILE EAST OF COUNTY ROAD 98, 2 MILES NW OF DAVIS.

**Detailed Location:**  
**Ecological:**  
NEST TREE IS A WALNUT.

**Threats:**  
**General:**  
DFG SWHA #YO066. BIRDS NESTED IN 1986, FLEDGING ONE. BIRDS NESTED IN 1987; NO YOUNG PRODUCED. BIRDS NESTED IN 1988; RESULTS UNKNOWN.

<b>PLSS:</b> T09N, R02E, Sec. 31 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4270446 E604494	<b>Latitude/Longitude:</b> 38.57634 / -121.80039	<b>Elevation (feet):</b> 60

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**  
DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24  
EST88F0020 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22035	<b>EO Index:</b> 27663
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 437	<b>Occurrence Last Updated:</b> 2013-10-29

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2012-07-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2012-07-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WILLOW SLOUGH, ABOUT 0.5 MILE EAST OF HWY 113 CROSSING, AND 2 MILES NNW OF DAVIS.

**Detailed Location:**  
1991 DETECTION ALONG WILLOW SLOUGH ABOUT 0.5 MI E OF HWY 113 (PART OF TERRITORY #YO046 IN CDFW SWHA DATABASE, SEE ALSO EO#458). MAPPED TO COORDINATES GIVEN FOR SITE YO-224 FROM 2008 ESTEP REPORT (SE POLYGON) & 2012 NEST SITE (NW POLYGON).

**Ecological:**  
1991 NEST IN VALLEY OAK IN OAK RIPARIAN HABITAT; SURROUNDING FORAGING AREA CONSISTED OF HAY, GRAIN, AND ROW CROPS. 2007 NEST IN RIPARIAN WILLOW SURROUNDED BY IRRIGATED CROPS. SUSPECTED NEST TREE AN OAK IN 2012.

**Threats:**  
**General:**  
TWO ADULTS FLEDGED TWO YOUNG IN 1991. NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY. MORE THAN ONE FLEDGLING HEARD, ACTIVE PAIR OBSERVED DURING SURVEYS MAY-JUL 2012 BUT NEST NOT FOUND.

<b>PLSS:</b> T09N, R02E, Sec. 28 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4273136 E608208	<b>Latitude/Longitude:</b> 38.60013 / -121.75735	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**

DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST91F0030	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
LEN12D0001	LENIHAN, C. - SAN DIEGO BURROWING OWL NEST LOCATIONS & RAPTOR 2012 REPORT 2012-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22112	<b>EO Index:</b> 7908	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 443	<b>Occurrence Last Updated:</b> 2013-02-26	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2009-04-29	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2009-04-29	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT, UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ALONG HWY 113, ABOUT 1-1.25 MILES NORTH OF COVELL BOULEVARD, NW OF DAVIS.

**Detailed Location:**  
TERRITORY #YO059 FROM CDFW SWHA DATABASE; PAIR AT EO#461 1985-87 MOVED HERE IN 1988. 2 POLYGONS: W- RESSEGUIE'S SITE MERRITT 51, ACTIVE 1999-2004, AT #39938 SHARON AVE; & ESTEP'S YO-274 SITE FROM 2007. E- 2009 SITE FROM CDFW NEST RECORDS.

**Ecological:**  
1988-2004: NEST IN ORNAMENTAL CONIFER (PINE) IN RESIDENTIAL SETTING. HABITAT INCLUDED GRAIN/ROW CROPS, SAFFLOWER, TOMATOES, URBAN TO S. 2007 NEST IN EUCALYPTUS IN TREE ROW. 2009 NEST IN LARGE TREE (SP. UNKNOWN) SURROUNDED BY ALFALFA FIELDS.

**Threats:**  
"CHRONIC CROW PROBLEMS" AT SITE ON E SIDE OF HIGHWAY (2004); CROWS MAY HAVE DESTROYED NEST IN 2000.

**General:**  
2 FLEDGED, 1988. ACTIVE NEST/SUCCESS UNKNOWN, 1991. ACTIVE/0 FLEDGED, 1994. NEST WITH 2 YOUNG OBSERVED, 1999. NEST FAILED, 2000. ACTIVE/0 YOUNG OBS, 2001-02. PAIR DEFENDING AGAINST CROWS, 26 APR 2004. ACTIVE/SUCCESS UNKNOWN IN 2007 & 2009.

<b>PLSS:</b> T09N, R02E, Sec. 33 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 14
<b>UTM:</b> Zone-10 N4270814 E607544	<b>Latitude/Longitude:</b> 38.57929 / -121.76532	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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- Sources:**
- DFG09D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - EST88F0022 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
  - EST91F0034 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
  - RES00F0113 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-29
  - RES01F0099 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0250 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0377 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-08



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22114	<b>EO Index:</b> 20869
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 444	<b>Occurrence Last Updated:</b> 2013-01-23

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF RUSSELL BOULEVARD, 0.4 MILE EAST OF COUNTY ROAD 98, WEST OF DAVIS.

**Detailed Location:**  
TERRITORY #YO094 FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS. MAPPED TO COORDINATES GIVEN FOR SITE YO-243 FROM 2008 ESTEP REPORT.

**Ecological:**  
1991: NEST TREE WAS VALLEY OAK IN RIPARIAN HABITAT; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURAL FIELDS. 1993-94 NEST IN WALNUT WITHIN A GROVE OF WALNUT TREES. 2007 NEST TREE IN ROW OF WALNUTS. ADJACENT TO URBAN AREA.

**Threats:**  
**General:**  
ONE ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY. TWO ADULTS OBSERVED NESTING IN 1991. NESTING PAIR WITH 3 YOUNG OBS 1993. NESTING PAIR WITH 2 YOUNG OBS 1994. ACTIVE NEST OBS DURING 2007 SURVEY, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 07 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267184 E604963	<b>Latitude/Longitude:</b> 38.54689 / -121.79549	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0021	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST91F0036	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22113	<b>EO Index:</b> 7909
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 445	<b>Occurrence Last Updated:</b> 2013-02-11

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Stable
<b>Presence:</b> Presumed Extant	

**Location:**  
EAST SIDE OF COUNTY ROAD 98, 0.3 MILE NORTH OF COUNTY ROAD 31, WNW OF DAVIS.

**Detailed Location:**  
1985-94: TERRITORY #YO050 FROM CDFW DATABASE OF SWHA OBSERVATIONS. 1999-2005: MAPPED TO UTMS GIVEN FOR RESSEGUIE SITES MERRITT 15 (SOUTH POLYGON) & 64 (N POLYGON, ACTIVE ONLY IN 2001). 2007: ESTEP SITE YO-283 (AT N END OF S POLYGON).

**Ecological:**  
NEST TREES WERE BLACK WALNUTS; SURROUNDING FORAGING HABITAT INCLUDED SAFFLOWER TO THE EAST AND SUDAN GRASS TO THE WEST, ACROSS THE ROAD. CROPS VARIED FROM YEAR TO YEAR.

**Threats:**  
**General:**  
ACTIVE 1985. 1 FLEDGED 1986, 87, & 88. INACTIVE, 1991 & 1994. 3 YOUNG/1 FLEDGED 1999. 1 FLEDGED IN 2000. NESTS AT N AND S SITE EACH FLEDGED 1 IN 2001. 0 FLEDGED IN 2002. 1 FLEDGED IN 2004. 1 FLEDGED IN 2005. NEST FAILED, 2007.

<b>PLSS:</b> T08N, R01E, Sec. 01 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 18
<b>UTM:</b> Zone-10 N4269285 E604263	<b>Latitude/Longitude:</b> 38.56590 / -121.80321	<b>Elevation (feet):</b> 60

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0023	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
EST91F0037	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
RES00F0106	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-12
RES01F0081	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES01F0212	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0234	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES02F0256	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0155	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
RES04F0380	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-21
RES05F0150	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-25
RES99F0025	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-07-13



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22115	<b>EO Index:</b> 16654
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 446	<b>Occurrence Last Updated:</b> 2013-01-28

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UC-DAVIS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH FORK OF PUTAH CREEK JUST EAST OF THE UC DAVIS AIRPORT AND ADJACENT TO THE UCD SHEEP BARN, SW OF DAVIS.

**Detailed Location:**  
1981-94: 2-3 SIMULTANEOUSLY ACTIVE NESTING TERRITORIES: #YO029, YO157, SO034 IN CDFW DATABASE OF SWHA OBSERVATIONS ('94 NEST ATTRIBUTED TO YO029 AT EO#106). 2006-07: MAPPED TO COORDINATES FOR RESSEGUIE SITE MERRITT 94 & ESTEP SITE YO-235.

**Ecological:**  
YO029: NESTS IN VALLEY OAKS; YO157: NESTS IN OAKS; SO034: TREE SP. NOT RECORDED; SURROUNDING HABITAT IS "DEGRADED" (1994) RIPARIAN NEXT TO CROPLAND INCL. BARLEY & WHEAT USED FOR FORAGING. 2006: NEST IN LARGE OAK. '07: NEST IN VALLEY OAK.

**Threats:**  
**General:**  
YO029: ACTIVE, PRODUCTIVE 1981-82. PAIR W/1 YOUNG, '84. YO157: ACTIVE '88 & 1990-92. NEST W/1 YOUNG, '93. 2 YOUNG, '94. SO034: 1 ADULT NESTING 1990-92 (ENGLAND). 2006: MONITORED MAR-AUG; 1 NESTING ADULT OBS. '07: ACTIVE NEST/SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 20 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 8
<b>UTM:</b> Zone-10 N4265231 E606351	<b>Latitude/Longitude:</b> 38.52913 / -121.77987	<b>Elevation (feet):</b> 60

<b>County Summary:</b> Solano, Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0012	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0013	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0024	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
RES06F0049	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-22
SCO91F0014	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-07-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 22120  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 450

**EO Index:** 21852  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-03-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1991-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 NORTHWEST CORNER OF E COVELL BLVD AT POLE LINE RD (RD 102), ON THE NORTH SIDE OF DAVIS.

**Detailed Location:**  
 TERRITORY Y0058 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. THE PAIR SWITCHED NEST TREES FROM YEAR TO YEAR, BUT PRODUCED YOUNG MOST YEARS.

**Ecological:**  
 NESTS IN LONE OAK TREES IN FIELD; URBAN/RESIDENTIAL TO E/W/S. 1991: NEST TREE IN POOR CONDITION, NEARBY NESTING HABITAT LIMITED. PROPOSED "CROSSROADS" DEVELOPMENT (LATER CALLED COVELL VILLAGE) WOULD HAVE ELIMINATED HABITAT; VOTED DOWN 2005.

**Threats:**  
 PROPOSED DEVELOPMENT WOULD REDUCE NESTING AND FORAGING HABITAT.

**General:**  
 FORAGING GROUP OBSERVED IN 1982. ACTIVE NEST PRODUCED 2 YOUNG, FLEDGED 1 IN 1985. 3 FLEDGED IN 1986. ACTIVE NEST PRODUCED 1 YOUNG IN 1987 & 1988. NESTING PAIR OBSERVED IN 1991, SUCCESS UNKNOWN. SITE INACTIVE IN 1994.

<b>PLSS:</b> T08N, R02E, Sec. 03 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269100 E610129	<b>Latitude/Longitude:</b> 38.56353 / -121.73592	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST91F0042 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 23000  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 458

**EO Index:** 7817  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-10-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

EAST BANK OF DRY SLOUGH, NEAR JUNCTION WITH WILLOW SLOUGH, 0.7 MILE NORTH OF ROAD 29, 3 MILES NNW OF DAVIS.

**Detailed Location:**

TERRITORY #YO046 (PART) FROM CDFW SWHA DATABASE (SEE ALSO EO#437). NEST WAS IN TREE ON E SIDE OF HWY 113, UNTIL IT BLEW DOWN IN 1985. LATER DETECTIONS ON W SIDE OF HWY 113 (RESSEGUIE SITE MERRITT 39; SITE YO-275 FROM ESTEP 2008, 2012 PAIR).

**Ecological:**

1987-2007: NEST IN VALLEY OAK ALONG DRY SLOUGH; SURROUNDING FORAGING HABITAT CONSISTED OF IRRIGATED ROW CROPS, ALFALFA, AND HORSE PASTURES.

**Threats:**

**General:**  
 2 FLEDGED, 1984. INACTIVE '85-86. 2 FLEDGED, '87. ACTIVE NEST, '88. 1 ADULT & 2 YOUNG, '92. PAIR (1 BANDED) W/ 2 YOUNG, '94. 1 FLEDGED 2000. PRESUMED ACTIVE '01-02 (NO ACCESS). 1 FLEDGED '04. ACTIVE NEST '07. ACTIVE PAIR, NO NEST FOUND '13.

**PLSS:** T09N, R02E, Sec. 29 (M)  
**UTM:** Zone-10 N4273402 E607258

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.60264 / -121.76821

**Area (acres):** 0  
**Elevation (feet):** 55

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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DFG84U0003	CALIFORNIA DEPARTMENT OF FISH & GAME - SWAINSON'S HAWK NEST RECORDS FROM DFG NONGAME BIRDS & MAMMALS SECTION (WILDLIFE BRANCH); MISSING. 1984-10-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0058	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
LEN12D0001	LENIHAN, C. - SAN DIEGO BURROWING OWL NEST LOCATIONS & RAPTOR 2012 REPORT 2012-XX-XX
RES00F0110	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-08-03
RES01F0086	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES01U0001	RESSEGUIE, L. - CORRECTIONS TO CNDDDB FOR SWAINSON'S HAWK OCCURRENCES ON THE DIXON, DOZIER, AND MERRITT QUADS. 2001-03-26
RES02F0243	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0370	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-16
SCO92F0022	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-06-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23002	<b>EO Index:</b> 20887
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 459	<b>Occurrence Last Updated:</b> 2013-01-23

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NEAR PUTAH CREEK, JUST NW OF THE JUNCTION OF RUSSELL BLVD AND COUNTY ROAD 97D, 3 MILES WEST OF DAVIS.

**Detailed Location:**  
TERRITORY #Y0039 FROM CDFW DATABASE OF 1979-1994 SWAINSON'S HAWK OBSERVATIONS. MAPPED TO COORDINATES FROM 2000-04 CDFW DATABASE OF NEST RECORDS (E POLYGON) AND SITE YO-247 FROM 2008 ESTEP REPORT (W POLYGON).

**Ecological:**  
1992 NEST IN LONE VALLEY OAK; DISTURBANCE FROM ADJACENT FARMYARD W/SCHOOL BUSES & HORSE CORRAL. 1993 NEST IN OAK, LIKELY SAME TREE AS '92. 1994 NEST IN WALNUT. 2001 NEST IN WALNUT SURROUNDED BY PASTURE/RESIDENTIAL. 2007 NEST IN VALLEY OAK.

**Threats:**  
**General:**  
ONE ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY; NEST FLEDGED 1 IN 1992. PAIR WITH 2 YOUNG OBSERVED IN 1993 AND 1994. ACTIVE NEST OBSERVED 24 MAY 2001; NO YOUNG SEEN. NEST WITH 1 YOUNG OBS IN 2007 SURVEY.

<b>PLSS:</b> T08N, R01E, Sec. 12 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4267372 E603273	<b>Latitude/Longitude:</b> 38.54878 / -121.81485	<b>Elevation (feet):</b> 65

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0022	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92U0002	ENGLAND, S. - 1992 NESTING DATA FROM A STUDY AREA IN THE VICINITY OF DAVIS, CALIFORNIA 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST92F0001	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
STO01F0020	STOWERS, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2001-05-24



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 23003	<b>EO Index:</b> 7818
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 461	<b>Occurrence Last Updated:</b> 2013-01-23

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ALONG THE NORTH SIDE OF COVELL BOULEVARD (COUNTY ROAD 31), 0.5 MILE WEST OF HIGHWAY 113, ON THE NW EDGE OF DAVIS.

**Detailed Location:**  
1985-1994: TERRITORIES "YO," YO059, & YO183 FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS. 1999: NEST WAS LOCATED IN THE SECOND BLACK WALNUT FROM THE NORTH. 2000-2001: NEST TREE WAS THE NORTHERNMOST BLACK WALNUT.

**Ecological:**  
NEST TREE WAS A BLACK WALNUT WITHIN A ROW OF FOUR WALNUT TREES; SURROUNDED BY WINTER WHEAT GROWING TO THE NORTH OF ROAD 31, EAST AND WEST OF THE NEST, WITH LAND TO THE SOUTH BEING DEVELOPED. SITE REGULARLY USED BY WINTERING RTHA, 1999-2000.

**Threats:**  
THREATENED BY ENCROACHING URBAN DEVELOPMENT.

**General:**  
PAIR THAT NESTED HERE IN 1985 (1 FLEDGED), '86 (1 YOUNG) & '87 (0 YOUNG) MOVED TO EO#443 IN '88. NEST W/3 YOUNG, '93. NEST W/3 YOUNG, '94. 3 FLEDGED '99. 2 FLEDGED 2000. 1 FLEDGED '01. 2 FLEDGED '02 & '04. 1 FLEDGED '05. NEST FAILED '07.

<b>PLSS:</b> T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268825 E606561	<b>Latitude/Longitude:</b> 38.56148 / -121.77691	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST92F0003	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
RES00F0104	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-25
RES01F0100	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0232	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0378	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-21
RES05F0149	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-09
RES99F0026	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-07-12
STO00F0002	STOWERS, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-05
STO01F0014	STOWERS, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2001-05-02



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22900	<b>EO Index:</b> 7820
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 464	<b>Occurrence Last Updated:</b> 2013-12-19

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2013-04-18	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2013-04-18	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH SIDE OF COUNTY ROAD 29, 0.5 MILE WEST OF COUNTY ROAD 102, 2 MILES NORTH OF DAVIS.

**Detailed Location:**  
1990S DETECTIONS AT TERRITORY YO276 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE, EXACT LOCATIONS UNKNOWN. 2001-2004: RESSEGUIE'S DAVIS 12 SITE AT NW END OF FEATURE. 2013: NEST TREE CLUSTER AT SE END OF FEATURE.

**Ecological:**  
1992 NEST IN ORNAMENTAL CONIFER. 2001 NEST NEAR TOP OF N SIDE OF LARGE DECIDUOUS TREE IN FRONT OF SHED AT 41559 RD 29. 2013 SITE NARROWED DOWN TO DENSE CLUSTER OF ORNAMENTAL TREES. SURROUNDED BY CULTIVATED LAND, EXTENSIVE ALFALFA FIELDS.

**Threats:**  
**General:**  
ACTIVE NEST DETECTED 1992 & 1993. OCCUPIED BY GREAT HORNED OWL, 1994. 1 FLEDGED IN 2001. SITE MONITORED APR-JUL 2002; NO NEST FOUND, 1 ADULT OBSERVED TWICE. NO ACTIVITY OBS 2004. ADULT OBS CARRYING TWIGS INTO TREE CLUSTER ON 18 APR 2013.

<b>PLSS:</b> T09N, R02E, Sec. 34 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 9
<b>UTM:</b> Zone-10 N4272010 E609864	<b>Latitude/Longitude:</b> 38.58978 / -121.73851	<b>Elevation (feet):</b> 40

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

BER13F0002	BERNSTEIN, O. (URS CORPORATION) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2013-04-18
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST92F0006	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
RES01F0123	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-08-21
RES02F0028	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0462	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 22901  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 465

**EO Index:** 7822  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-06-03

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2002-05-21  
**Last Survey Date:** 2005-07-24  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 SOUTH SIDE OF COUNTY ROAD 30, 0.4 MILE WEST OF COUNTY ROAD 105, 2 MILES NE OF DAVIS.

**Detailed Location:**  
 TERRITORY #YQ252 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. MAPPED TO COORDINATES FOR RESSEGUIE'S DAVIS 7 SITE.

**Ecological:**  
 1992 NEST TREE A FARMHOUSE EUCALYPTUS IN POOR CONDITION. 2001-2005 NEST TREE WAS A FARMYARD EUCALYPTUS; SURROUNDED BY TOMATOES TO THE SW, SUDAN GRASS TO THE NORTH (ACROSS ROAD), AND ALFALFA TO THE SOUTH AND SE.

**Threats:**  
**General:**  
 2 ADULTS & 2 FLEDGLINGS OBSERVED IN 1992. ACTIVE/FAILED IN 1994. NEST MONITORED 1 APR-1 AUG 2001; NEST BUILDING OBS ON 5 MAY 2001. SITE MONITORED 9 APR-20 JUL 2002; OBS ON NEST ON 21 MAY 2002, BUT NO YOUNG DETECTED. INACTIVE 2004 & 2005.

<b>PLSS:</b> T08N, R03E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4270291 E614722	<b>Latitude/Longitude:</b> 38.57368 / -121.68302	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - EST92F0007 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
  - RES01F0072 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0060 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0466 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-06-20
  - RES05F0227 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22905	<b>EO Index:</b> 24266
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 471	<b>Occurrence Last Updated:</b> 2013-01-29

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF SOUTH FORK PUTAH CREEK, ABOUT 0.5 MILES WEST OF COUNTY ROAD 104 CROSSING, 2.5 MILES SE OF DAVIS.

**Detailed Location:**  
2 SITES. N: TERRITORY #YO243 FROM CDFW SWHA OBSERVATIONS DATABASE. MAPPED TO LOCATION DESCRIBED ON 1992 FIELD SURVEY FORMS. S: VICINITY OF CDFW TERRITORY #YO247, MAPPED TO COORDINATES GIVEN FOR SITE YO-167 FROM 2008 ESTEP REPORT.

**Ecological:**  
NORTH SITE: NEST TREE WAS A LONE VALLEY OAK SURROUNDED BY AGRICULTURAL LAND. SOUTH SITE: 1994 NEST TREE WAS A RIPARIAN COTTONWOOD. 2007 NEST IN LONE LOCUST TREE SURROUNDED BY IRRIGATED CROPS.

**Threats:**  
**General:**  
NORTH SITE: NESTING OBSERVED DURING ENGLAND'S 1990-92 SURVEY. 1 FLEDGED IN 1992. NEST WITH 1 YOUNG OBSERVED IN 1994. SOUTH SITE: NEST WITH 1 YOUNG OBSERVED IN 1994. NEST WITH 1 YOUNG OBSERVED IN 2007.

<b>PLSS:</b> T08N, R02E, Sec. 24 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4264047 E612731	<b>Latitude/Longitude:</b> 38.51768 / -121.70688	<b>Elevation (feet):</b> 40

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0003	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST92F0013	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22904	<b>EO Index:</b> 7823
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 472	<b>Occurrence Last Updated:</b> 2013-01-25

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK PUTAH CREEK, ABOUT 1.2 MILES WEST OF COUNTY ROAD 104 AND 2 MILES SSE OF DAVIS.

**Detailed Location:**  
VICINITY OF TERRITORY #YO242 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. MAPPED TO COORDINATES FROM CDFW DATABASE OF 2000-2004 NEST RECORDS & FROM 2008 ESTEP REPORT, FOR SITE YO-168.

**Ecological:**  
1992 NEST TREE WAS A WILLOW WITHIN RIPARIAN HABITAT. 2002 NEST IN 40' RIPARIAN COTTONWOOD WITH CROPLAND TO SOUTH. 2007 NEST IN RIPARIAN COTTONWOOD SURROUNDED BY IRRIGATED CROPLAND.

**Threats:**  
**General:**  
ACTIVE NEST OBSERVED DURING 1992 SURVEY; SUCCESS UNKNOWN/NOT RECORDED. ACTIVE NEST WITH BANDED MALE (= RETURNED) OBSERVED IN 1994; NEST FAILED. NEST WITH 2 DOWNY YOUNG OBSERVED 30 MAY 2002. NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 26 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4263918 E612024	<b>Latitude/Longitude:</b> 38.51660 / -121.71501	<b>Elevation (feet):</b> 35

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST92F0014	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 22903  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 473

**EO Index:** 7821  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1994-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

SOUTH FORK PUTAH CREEK & FIELDS TO NORTH, ABOUT 1.8 MILES WEST OF COUNTY ROAD 104, 1.75 MILES SSE OF DAVIS.

**Detailed Location:**

TERRITORIES #YO249 (SOUTH SITE) AND #YO241 (NORTH SITE) FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS. MAPPED TO LOCATIONS FROM ESTEP AND ENGLAND SURVEY MAPS.

**Ecological:**

SOUTH SITE: 1992 NEST TREE WAS A WALNUT WITHIN RIPARIAN HABITAT. 1993-94 NEST(S) IN COTTONWOOD(S). NORTH SITE: NEST TREE WAS A VALLEY OAK; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURAL FIELDS.

**Threats:**

**General:**

SOUTH SITE: NESTING OBSERVED IN 1992. ACTIVE NEST 1993, SUCCESS UNKNOWN. NEST WITH ONE YOUNG OBSERVED IN 1994. NORTH SITE: NESTING OBSERVED IN 1992. NEST WITH 2 YOUNG OBSERVED IN 1994.

<b>PLSS:</b> T08N, R02E, Sec. 23 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 35
<b>UTM:</b> Zone-10 N4263982 E610865	<b>Latitude/Longitude:</b> 38.51733 / -121.72830	<b>Elevation (feet):</b> 35

**County Summary:**

Solano

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- ENG92F0005 ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
- EST92F0015 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
- EST92F0016 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23628	<b>EO Index:</b> 18421	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 598	<b>Occurrence Last Updated:</b> 2013-04-10	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-08-26	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-26	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH SIDE OF TREMONT ROAD, 0.1 MILE WEST OF ROAD 104, 7 MILES SOUTH OF DAVIS.

**Detailed Location:**  
DFG SWHA SO019/SL019. MAPPED TO UTMS GIVEN FOR RESSEGUIE'S SAXON 13 SITE. ALSO DOCUMENTED IN CDFW NEST RECORDS; UNCLEAR IF OBSERVATIONS WERE FROM 2002, 2003, OR BOTH YEARS.

**Ecological:**  
2004 NEST LOCATED AT THE 80% HEIGHT OF THE EASTMOST TREE IN A CONTINUOUS ROW OF BLACK WALNUTS; SURROUNDING FORAGING HABITAT CONSISTED OF CULTIVATED LAND TO THE SOUTH AND RUDERAL TO THE NORTH, ACROSS TREMONT ROAD.

**Threats:**  
**General:**  
2 FLEDGED IN 1988. NEST MONITORED APR-SEP 2001; 3 FLEDGED. MONITORED APR-JUL 2002; 2 FLEDGED. POSSIBLY ACTIVE IN 2003 (RECORDS UNCLEAR). MONITORED MAR-AUG 2004; 1 FLEDGED. MONITORED 3 MAR-26 AUG 2005; ADULTS PRESENT, BUT NO CHICKS.

<b>PLSS:</b> T08N, R02E, Sec. 36 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261526 E613595	<b>Latitude/Longitude:</b> 38.49485 / -121.69739	<b>Elevation (feet):</b> 30

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Saxon (3812146)
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- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
  - EST88F0066 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
  - RES01F0220 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0219 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0122 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-10
  - RES05F0322 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-26



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23664	<b>EO Index:</b> 11794
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 609	<b>Occurrence Last Updated:</b> 2013-02-12

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 1988-05-30	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1988-05-30	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
EAST SIDE OF PEDRICK ROAD, 0.5 MILE SOUTH OF PUTAH CREEK, SW OF DAVIS.

**Detailed Location:**  
TERRITORY #SL010/YO235 (SO022 IN 1992 VERSION) IN CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS SINCE 1979.

**Ecological:**  
NEST TREE WAS A ROADSIDE WALNUT, SURROUNDED BY ROW CROPS.

**Threats:**  
**General:**  
1-2 ACTIVE NESTS OBSERVED IN 1988.

<b>PLSS:</b> T08N, R01E, Sec. 24 (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4264046 E604307	<b>Latitude/Longitude:</b> 38.51869 / -121.80349	<b>Elevation (feet):</b> 65

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST88F0067	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23654	<b>EO Index:</b> 17013	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 610	<b>Occurrence Last Updated:</b> 2013-01-18	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK PUTAH CREEK, ABOUT 0.3 MILES E OF CONFLUENCE WITH NORTH FORK; ABOUT 0.4 MILE W OF I-80 CROSSING, SW OF DAVIS.

**Detailed Location:**  
TERRITORY #YO238 (EARLIER CODED AS SO020) FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS ('93 DETECTION ATTRIBUTED TO YO238 IS AT EO #616). MAPPED TO COORDINATES FOR SITE YO-236 FROM ESTEP, 2008.

**Ecological:**  
NEST TREE WAS A COTTONWOOD IN RIPARIAN HABITAT. SURROUNDING AGRICULTURAL LAND USED FOR FORAGING.

**Threats:**  
**General:**  
PAIR OBSERVED NESTING IN 1988. 1 ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY. INACTIVE, 1994. NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 20 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4264366 E606483	<b>Latitude/Longitude:</b> 38.52132 / -121.77849	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Merritt (3812157)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0014	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0068	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23655	<b>EO Index:</b> 7919
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 611	<b>Occurrence Last Updated:</b> 2013-01-18

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
OLD DAVIS ROAD AT SOUTH LEVEE OF SOUTH PUTAH CREEK.

**Detailed Location:**  
3 POLYGONS- NORTH: VICINITY OF TERRITORIES #YO239, YO251 FROM CDFW SWHA DATABASE, RESSEGUIE'S SITE MERRITT 86/ESTEP'S YO-232. ACTIVE 1988-2006. MIDDLE: R'S MERRITT 101/E'S YO-232, 2006-07. SOUTH: R'S MERRITT 65, ACTIVE 2001-05.

**Ecological:**  
NORTH: IN PUTAH CREEK RIPARIAN. 1988, 2000 NESTS IN COTTONWOOD (CW); '94 IN OAK. '05 IN EUCALYPTUS. '07 IN CW. MIDDLE: 2006 NEST IN LARGE CW; '07 NEST IN EUCALYPTUS. S SIDE LEVEE. SOUTH: 2001-05 NESTS IN BLACK WALNUTS ALONG OLD DAVIS RD.

**Threats:**  
TOPPING/REMOVAL/REPLACEMENT OF TREES ALONG OLD DAVIS ROAD (SOUTH SITE) HAS ELIMINATED NEST SITES (PER AERIAL PHOTOS).

**General:**  
NORTH: ACTIVE 1988; 2 NESTS IN '90-92; PAIR W/1 YOUNG IN '94; 1 YOUNG OBS 2000; POSSIBLE FLEDGLING '05; 1 FLEDGED '06 & '07. MIDDLE: 2 FLEDGED '06; 1 IN '07. SOUTH: 1 FLEDGED, 2001; 2 IN '02; 1 YOUNG OBS '03; 1 FLEDGED '04; 3 FLEDGED '05.

<b>PLSS:</b> T08N, R02E, Sec. 28 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 28
<b>UTM:</b> Zone-10 N4263862 E608171	<b>Latitude/Longitude:</b> 38.51657 / -121.75921	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0010	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST88F0069	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX
RES01F0209	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0257	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0455	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-02
RES05F0049	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-22
RES05F0132	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-30
RES06F0050	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-12
RES06F0060	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-24
VIN00F0001	VINNEDGE, B. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-06



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 23658  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 613

**EO Index:** 7861  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-06-18  
**Last Survey Date:** 2009-06-18  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

VICINITY OF I-80 WEST OF OLD DAVIS ROAD, ON BOTH SIDES OF THE INTERSTATE.

**Detailed Location:**

3 NEST SITES CLOCKWISE FROM N: 1) 1990-91 SITE ON PUTAH CREEK; TERRITORY #YO176 IN CDFW SWHA DATABASE. 2) 1993-94/2000 SITE AT INTERSECTION; FROM CDFW DATABASES. 3) 2007-09 SITE FROM ESTEP '08 REPORT & CDFW SHAPEFILE OF '09 NEST SITES.

**Ecological:**

1990-1992: NEST TREE IN RIPARIAN HABITAT SURROUNDED BY AGRICULTURE. 1993: NEST IN OAK. 1994: NEST IN CONIFER. 2000: NEST IN 80' REDWOOD SURROUNDED BY COMMERCIAL BUILDINGS AND A MAJOR FREEWAY. 2007-2009: NEST IN COTTONWOOD.

**Threats:**

HEAVY TRAFFIC; VEHICLE COLLISIONS A THREAT TO FLEDGLINGS.

**General:**

ACTIVE NEST, 1990-1991. SWHA OBSERVED FORAGING OVER UCD CROPLAND IN 1991-92. 1 FLEDGLING WAS KILLED ON ONRAMP IN 1993. 3 YOUNG OBS IN 1994. 1 FLEDGLING OBS, 6 JUL 2000. NEST FAILED IN 2007. ACTIVE NEST OBS 2009, SUCCESS UNKNOWN.

**PLSS:** T08N, R02E, Sec. 21 (M)  
**UTM:** Zone-10 N4264913 E608062

**Accuracy:** specific area  
**Latitude/Longitude:** 38.52606 / -121.76029

**Area (acres):** 19  
**Elevation (feet):** 45

**County Summary:**

Solano, Yolo

**Quad Summary:**

Merritt (3812157)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG09D0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0009	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
ENG92U0002	ENGLAND, S. - 1992 NESTING DATA FROM A STUDY AREA IN THE VICINITY OF DAVIS, CALIFORNIA 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
SCO91F0013	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-07-18
SCO92F0028	SCOONOVER, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-04-20
VIN00F0004	VINNEDGE, B. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-06



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23656	<b>EO Index:</b> 17014	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 614	<b>Occurrence Last Updated:</b> 2013-01-18	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK OF PUTAH CREEK, JUST WEST OF I-80, SW OF DAVIS.

**Detailed Location:**  
TERRITORY YO237 (EARLIER, YO027) IN CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS SINCE 1979. MAPPED TO COORDINATES FOR SITE YO-237 FROM 2008 ESTEP REPORT.

**Ecological:**  
NEST(S) IN COTTONWOOD TREE(S) IN RIPARIAN HABITAT; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURAL FIELDS.

**Threats:**  
**General:**  
NESTING PAIR OBSERVED IN 1988. 1 ADULT OBS NESTING DURING ENGLAND'S 1990-92 SURVEY; GROUP OF 3 OBS FORAGING JUL 1991. "ACTIVE TERRITORY BUT NO ATTEMPT MADE TO NEST" IN 1994. NEST WITH 1 YOUNG OBS IN 2007 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 20 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4264076 E606908	<b>Latitude/Longitude:</b> 38.51866 / -121.77366	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Merritt (3812157)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0011	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
SCO91F0015	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1991-07-16



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23665	<b>EO Index:</b> 20649
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 621	<b>Occurrence Last Updated:</b> 2013-01-22

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ALONG PUTAH CREEK, ABOUT 0.8 MILES ESE OF STEVENSON BRIDGE ROAD (RD 95) CROSSING, 4 MILES WSW OF DAVIS.

**Detailed Location:**  
1992-93: 2 ACTIVE NEST SITES, FROM '92 ENGLAND SURVEY MAPS (=TERRITORIES #YO099, YO100 FROM CDFW 1994 SWHA DATABASE; #SO025 & SO024 FROM 1992 DATABASE). 1994: "YO" (NO # ASSIGNED) FROM '94 DATABASE. 2009: SITE YO-249 FROM ESTEP '08.

**Ecological:**  
1992: NESTING HABITAT IS RIPARIAN; SURROUNDING FORAGING HABITAT CONSISTED OF AGRICULTURAL FIELDS. 1993: NESTS IN EUCALYPTUS TREES ADJACENT TO RESIDENCE. 1994: NEST IN EUCALYPTUS ADJACENT TO RESIDENCE. 2007: NEST IN EUCALYPTUS.

**Threats:**  
**General:**  
1992: W NEST (SO025) FLEDGED 1. 2 SUBADULTS NESTED UNSUCCESSFULLY AT E NEST (SO024). 1993: W NEST (YO099) PRODUCED 1 YOUNG; E (YO100) PRODUCED 2. 1994: NEST PRODUCED 2 YOUNG. 2007: NEST PRODUCED 1 YOUNG.

<b>PLSS:</b> T08N, R01E, Sec. 23 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 42
<b>UTM:</b> Zone-10 N4265381 E601436	<b>Latitude/Longitude:</b> 38.53105 / -121.83622	<b>Elevation (feet):</b> 85

<b>County Summary:</b> Solano, Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0023	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92F0024	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-XX-XX
ENG92U0002	ENGLAND, S. - 1992 NESTING DATA FROM A STUDY AREA IN THE VICINITY OF DAVIS, CALIFORNIA 1992-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 24052	<b>EO Index:</b> 20944
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 628	<b>Occurrence Last Updated:</b> 2013-01-28

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2003-05-28	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2003-05-28	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
PUTAH CREEK, ABOUT 0.5 MILE EAST OF I-80, SE OF DAVIS.

**Detailed Location:**  
TERRITORIES #YO228 & YO229 FROM CDFW DATABASE OF SWHA OBSERVATIONS 1979-94, EXACT LOCATIONS UNKNOWN; 1992 DETECTION ALSO RECORDED ON ENGLAND SURVEY MAP. MAPPED TO COORDINATES OF 2003 NEST SITE FROM CDFW NEST RECORDS DATABASE, 2000-04.

**Ecological:**  
1992 NESTING HABITAT WAS RIPARIAN WITH SURROUNDING FORAGING HABITAT CONSISTING OF AGRICULTURAL FIELDS. 1994: TWO ACTIVE NESTS IN VICINITY, BOTH IN VALLEY OAKS. 2003 NEST IN 60' TREE CODED AS "OTHER EXOTIC" (NOT WALNUT OR EUCALYPTUS).

**Threats:**  
**General:**  
ONE ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY. 2 NESTS & 3 YOUNG OBSERVED IN 1994; BANDED PAIR AT ONE NEST (=BOTH RETURNS). NEST WITH 1 FEATHERED YOUNG OBSERVED ON 28 MAY 2003.

<b>PLSS:</b> T08N, R02E, Sec. 14 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266027 E610868	<b>Latitude/Longitude:</b> 38.53575 / -121.72793	<b>Elevation (feet):</b> 35

<b>County Summary:</b> Solano, Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
ENG92F0004	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23986	<b>EO Index:</b> 28356
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 629	<b>Occurrence Last Updated:</b> 2005-08-18

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-07-24	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-24	<b>Occurrence Rank:</b> Poor
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
2ND STREET AND UNIVERSITY AVENUE, DAVIS.

**Detailed Location:**  
2005 NEST WAS LOCATED AT THE 90% HEIGHT OF A TALL ELM LOCATED JUST WEST OF THE CORNER HOUSE.

**Ecological:**  
NEST TREE WAS AN ELM; SURROUNDED BY RESIDENTIAL AND SOME COMMERCIAL.

**Threats:**

**General:**  
1 ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY. NEST MONITORED 7-24 JUL 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 15 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266788 E609294	<b>Latitude/Longitude:</b> 38.54280 / -121.74587	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

DFG92U0001	DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24
ENG92F0006	ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX
RES05F0020	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23985	<b>EO Index:</b> 12188	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 630	<b>Occurrence Last Updated:</b> 1995-12-15	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 199X-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 199X-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UC-DAVIS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
0.25 MILE NW OF PUTAH CREEK, ON THE UC DAVIS CAMPUS.

**Detailed Location:**  
**Ecological:**  
SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURAL FIELDS.

**Threats:**  
**General:**  
DFG SWHA #YO211. ONE ADULT OBSERVED NESTING DURING ENGLAND'S 1990-92 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 16 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266667 E608876	<b>Latitude/Longitude:</b> 38.54176 / -121.75069	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156), Merritt (3812157)
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**Sources:**  
DFG92U0001 DFG - WILDLIFE MANAGEMENT DIVISION - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1992. 1992-08-24  
ENG92F0007 ENGLAND, A.S. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1992-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 33487  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 686

**EO Index:** 24225  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-21  
**Last Survey Date:** 2005-07-21  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 ALONG ROBBEN ROAD, ABOUT 0.25 MILES SOUTH OF TREMONT ROAD, 3.5 MILES NE OF DIXON.

**Detailed Location:**  
 2 NEST SITES REPRESENTED: NW SITE MAPPED TO UTMS GIVEN FOR RESSEGUE'S DIXON 46 SITE, ALSO REPORTED IN CDFW DATABASE. SE SITE MAPPED TO UTMS GIVEN FOR RESSEGUE'S DIXON 78 SITE.

**Ecological:**  
 NW SITE: 1996, 2005 NESTS IN BLACK LOCUST. 2001, 2002, 2004 NESTS IN BLACK WALNUT; SURROUNDED BY TOMATOES TO N AND W, A FARMSTEAD TO E, AND RUDERAL TO THE EAST ACROSS THE ROAD. SE SITE: NEST IN LOCUST IN RUDERAL FARMYARD SURROUNDED BY AG.

**Threats:**  
 POSSIBLE THREAT FROM A PROPOSED COMMERCIAL DEVELOPMENT AT THE SE CORNER OF I-80 AND PEDRICK ROAD (1996).

**General:**  
 NW SITE: 2 FLEDGED IN 1996; NEST WITH 2 YOUNG IN 2000; 2 FLEDGED 2001 (LANDOWNERS REPORTED NESTING IN YEARS PRIOR); ADULTS PRESENT/NO NEST 2002; USED BY GHOW, 2004; 2 FLEDGED, 2005. SE SITE: 1 FLEDGED 2004; SINGLE SWHA SIGHTING IN 2005.

<b>PLSS:</b> T08N, R02E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4261351 E605671	<b>Latitude/Longitude:</b> 38.49425 / -121.78825	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - RES01F0087 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0179 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2002-XX-XX
  - RES04F0079 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-17
  - RES04F0219 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2004-07-17
  - RES05F0157 RESSEGUE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-21
  - RES05F0205 RESSEGUE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-21
  - SCO96F0002 SCOONOVER, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1996-07-23
  - VIN00F0006 VINNEDGE, B. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-07-06



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 40379  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 711

**EO Index:** 35386  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-06-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**

MACE RANCH PARK IN DAVIS; SOUTH OF LOYOLA DRIVE AT ALHAMBRA BLVD, & ABOUT 0.8 MILE NW OF I-80 AT MACE BLVD.

**Detailed Location:**

1996-97, 2003, '05 NEST IN LONE OAK AT SE CORNER OF SCHOOL (N SITE). 2001-02 TREE AT EXPLORIT SCIENCE CTR PARKING LOT (S SITE). '04 TREE AT PLAYGROUND (MIDDLE SITE); '07 TREE 60 M TO SW. RESSEGUIE'S SITE DAVIS 18 & 18.1; ESTEP'S YO-304.

**Ecological:**

1996-97/2003, '05 NEST IN LARGE, LONE VALLEY OAK. '01-02: IN BLACK WALNUT. 2004: IN CASUARINA. '07: IN VALLEY OAK. PRIOR TO 2005, SITE CONSISTED OF FIELDS & STAR THISTLE. SCHOOL & MACE RANCH PARK BUILT, PARKING LOT REPAVED 2004-05.

**Threats:**

DEVELOPMENT OF ELEMENTARY SCHOOL & PARK, MOST OF THE FORMERLY RUDERAL AREA HAD BEEN SCRAPED BARE (2005).

**General:**

NESTING OBSERVED, 1 JUL 1996. ACTIVE NEST, 1997. LONE OAK USED AS HUNTING PERCH ONLY 1998-2002. 2 FLEDGED, 2001. 1 FLEDGED, 2002 & 2003. 2 FLEDGED, 2004. 3 FLEDGED, 2005. ACTIVE NEST OBSERVED DURING 2007 SURVEY, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 12 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 15
<b>UTM:</b> Zone-10 N4268484 E612457	<b>Latitude/Longitude:</b> 38.55769 / -121.70931	<b>Elevation (feet):</b> 40

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
- GRA96F0001 GRAVES, C. ET AL. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1996-07-01
- MCN04F0001 MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-06-16
- RES01F0201 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0031 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES03F0026 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2003-XX-XX
- RES04F0425 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-06-13
- RES05F0353 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 41418	<b>EO Index:</b> 41418	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 731	<b>Occurrence Last Updated:</b> 2013-01-14	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-08-15	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-15	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH SIDE OF ROAD 31 (CO HWY E6, COVELL BLVD), 0.3 MILE WEST OF ROAD 97, SE OF YOLO COUNTY AIRPORT.

**Detailed Location:**  
1991 SIGHTING "1.8 MILES W OF RD 98 ON W. COVELL." MAPPED TO UTMS FROM FIELD SURVEY FORMS, RESSEGUIE SITE MERRITT16. 1999-2000 NEST TREE ON SOUTH SIDE OF ROAD. 2001 NEST TREE ABOUT 0.2 MILES FURTHER EAST.

**Ecological:**  
1999-2000 NEST AT 80% HEIGHT OF LARGE EUCALYPTUS TREE. 2001 NEST IN HEAVILY-PRUNED BLACK WALNUT; SURROUNDING FORAGING HABITAT INCLUDED SUDAN GRASS TO THE NORTH AND WHEAT, TOMATOES, AND SAFFLOWER TO THE SOUTH.

**Threats:**  
**General:**  
1 SWHA PERCHED NEAR NEST OBSERVED, 1991. NEST MONITORED 28 MAR-24 JUL 1999; 2 (OF 3 CHICKS) FLEDGED. 1 FLEDGED, 2000. 2 FLEDGED, 2001. ACTIVE/0 FLEDGED IN 2002. 2 FLEDGED, 2004. NEST MONITORED 15 APR-15 AUG 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R01E, Sec. 02 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 17
<b>UTM:</b> Zone-10 N4268769 E602041	<b>Latitude/Longitude:</b> 38.56151 / -121.82879	<b>Elevation (feet):</b> 75

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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- Sources:**
- LIT91U0001 LITRELL, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - PHONE CONVERSATION REGARDING SWAINSON'S HAWK NEST ON W COVELL NEAR ROAD 98. 1991-04-09
  - RES00F0107 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-21
  - RES01F0082 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES01U0001 RESSEGUIE, L. - CORRECTIONS TO CNDDDB FOR SWAINSON'S HAWK OCCURRENCES ON THE DIXON, DOZIER, AND MERRITT QUADS. 2001-03-26
  - RES02F0235 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0185 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-21
  - RES05F0144 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-15
  - RES99F0014 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 41511	<b>EO Index:</b> 41511
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 746	<b>Occurrence Last Updated:</b> 2011-09-21

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2002-07-25	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-15	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Stable
<b>Presence:</b> Presumed Extant	

**Location:**  
0.3 MILE NORTH OF ROAD 31 AND 0.1 MILE EAST OF ROAD 99, NW OF DAVIS.

**Detailed Location:**  
1998 NEST WAS LOCATED IN A PINE ADJACENT TO THE DRIVEWAY/ROAD 99 JUNCTION. 1999 NEST TREE WAS A SMALL, RED GUM EUCALYPTUS; 2001-2002 NEST TREE WAS THE SAME REDGUM USED IN 1999. RESSEGUIE SITE MERRITT 14.

**Ecological:**  
2001 NEST TREE WAS A REDGUM EUCALYPTUS; SURROUNDED BY FARMSTEADS TO THE NORTH AND SOUTH, A SMALL VINEYARD TO THE NORTH, AND CULTIVATED LAND IN ALL DIRECTIONS.

**Threats:**  
THREATENED BY ONGOING URBAN DEVELOPMENT/EXPANSION BY THE CITY OF DAVIS AND INTENSIVE SITE-SPECIFIC LANDSCAPING.

**General:**  
2 FLEDGED IN 1998. 2 FLEDEGED IN 1999. 2 FLEDGED IN 2000. 2 FLEDGED IN 2001. 1 FLEDGED IN 2002. SWHA OBSERVED SPARRING WITH CROWS ON 30 MAY 2004. SITE WAS POORLY OBSERVED IN 2005; UNKNOWN IF ACTIVE.

<b>PLSS:</b> T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269301 E605953	<b>Latitude/Longitude:</b> 38.56584 / -121.78382	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

RES00F0105	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-07
RES01F0103	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0233	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0379	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-31
RES05F0143	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-15
RES98F0006	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1998-07-26
RES99F0022	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-08-04



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 43656	<b>EO Index:</b> 43656
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 869	<b>Occurrence Last Updated:</b> 2013-01-16

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2009-06-18	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2009-06-18	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> CALTRANS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTHEAST SIDE OF THE KIDWELL EXIT OF I-80 (KIDWELL AND SPARLING), SW OF DAVIS.

**Detailed Location:**  
MAPPED TO UTMS FROM FIELD SURVEY FORMS FOR RESSEGUIE SITE MERRITT 28. 2003 & 2009 DETECTIONS FROM CDFW NEST RECORDS.

**Ecological:**  
NEST TREES WERE COTTONWOODS WITHIN A GROVE; SURROUNDING FORAGING HABITAT CONSISTED OF TOMATOES TO THE EAST, ALFALFA TO THE SOUTH AND NE, AND CULTIVATED LAND ACROSS I-80.

**Threats:**  
**General:**  
NEST MONITORED 7 MAR-17 JUL 2000; 2 FLEDGED. FEW SIGHTINGS IN 2001-02. NEST W/1 FEATHERED YOUNG OBS 3 JUN 2003. NEST MONITORED 5 MAR-24 JUL 2004; 3 FLEDGED. NEST MONITORED 11 MAR-9 SEP 2005; 1 FLEDGED. NEST WITH YOUNG OBSERVED 18 JUN 2009.

<b>PLSS:</b> T08N, R02E, Sec. 29 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262494 E605941	<b>Latitude/Longitude:</b> 38.50452 / -121.78499	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Merritt (3812157)
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**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- DFG09D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
- RES00F0046 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-17
- RES01F0108 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0238 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0430 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-24
- RES05F0142 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-09-09
- RES05U0003 RESSEGUIE, L. - EMAIL TO DEE WARENYCIA INDICATING A CORRECTION TO ABNKC19070.869: 3 FLEDGED IN 2004. 2005-10-04



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 43659	<b>EO Index:</b> 43659
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 871	<b>Occurrence Last Updated:</b> 2013-01-22

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2009-06-24	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2009-06-24	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
JUST SW OF THE INTERSECTION OF ROAD 31 AND ROAD 97D, WEST OF DAVIS.

**Detailed Location:**  
2000-01 NEST TREE WAS FIRST LARGE BLACK WALNUT W OF ROAD 97D. 2002 NEST AT 80% HEIGHT ON N SIDE OF FIRST BLACK WALNUT S OF ROAD 31, ON W SHOULDER OF ROAD 97D. RESSEGUIE SITE MERRITT 40; SITE YO-246 FROM 2008 ESTEP REPORT.

**Ecological:**  
NESTS IN BLACK WALNUTS; SURROUNDING FORAGING HABITAT CONSISTED OF CORN TO THE SOUTH AND TOMATOES TO THE NORTH.

**Threats:**  
**General:**  
2 FLEDGED IN 2000. NEST MONITORED 23 MAR-11 AUG 2001; NEST AND COPULATION OBSERVED, BUT NO CHICKS. NEST MONITORED 8 APR-15 JUL 2002; 2 FLEDGED. ACTIVE/0 YOUNG IN 2004-05. NEST W/2 YOUNG OBS DURING 2007 SURVEY. NEST W/YOUNG OBS 24 JUN 2009.

<b>PLSS:</b> T08N, R01E, Sec. 12 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 7
<b>UTM:</b> Zone-10 N4268769 E603433	<b>Latitude/Longitude:</b> 38.56135 / -121.81281	<b>Elevation (feet):</b> 65

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	Merritt (3812157)
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**Sources:**

DFG09D0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
RES00F0049	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-17
RES01F0104	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0060	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0431	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-16
RES05F0140	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-15



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 43663	<b>EO Index:</b> 43663	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 873	<b>Occurrence Last Updated:</b> 2006-04-24	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2000-07-07	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2004-06-16	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**  
0.3 MILE NORTH OF COVELL BOULEVARD, NORTH OF THE END OF SUTTER PLACE, DAVIS

**Detailed Location:**  
NEST TREE IS THE MOST NORTHERN TREE IN A ROW OF NORTH-SOUTH BLACK WALNUTS WHOSE SOUTH END LIES AT THE NORTH OF THE END OF SUTTER PLACE; NEST IS LOCATED NEAR THE TOP, ON THE NORTH SIDE, OF THE MOST NORTHERN TREE IN THE ROW.

**Ecological:**  
NEST TREE WAS A BLACK WALNUT; SURROUNDED BY SUTTER DAVIS HOSPITAL, PARKING LOTS, AND ASSOCIATED BUILDINGS. 2004: AN EXERCISE ROUTE NOW RUNS ALONG THE BASE OF THE TREES THAT REMAIN; MAJOR LAND DEVELOPMENT TO THE FIELD JUST EAST.

**Threats:**  
THREATENED BY DEVELOPMENT.

**General:**  
NEST MONITORED 23 APR-07 JUL 2000; 1 FLEDGED. ADULTS OBSERVED DEFENDING THE 2000 NEST SITE ON 28 JUN 2001 AND IN THE AREA ON 18 JUL 2001; NO NESTING OBSERVED. 1 ADULT OBSERVED IN 2002; NO NEST OR CHICKS SEEN. NO ADULTS SEEN IN 2004.

<b>PLSS:</b> T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269262 E606938	<b>Latitude/Longitude:</b> 38.56538 / -121.77252	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

RES00F0052	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-07-07
RES01F0106	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0247	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0375	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-06-16



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 43787	<b>EO Index:</b> 43787	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 916	<b>Occurrence Last Updated:</b> 2013-01-16	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-08-14	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-14	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SPARLING ROAD (I-80 FRONTAGE ROAD), 0.5 MILE NE OF THE KIDWELL EXIT, SW OF DAVIS.

**Detailed Location:**  
MAPPED TO UTMS FROM FIELD SURVEY FORMS FOR RESSEGUIE SITE MERRITT 29. 2003 DETECTION FROM CDFW DATABASE OF NEST RECORDS, 2000-2004.

**Ecological:**  
NEST TREES WERE BLACK WALNUTS ON A FARMYARD CONTAINING NUMEROUS LARGE DECIDUOUS TREES. SURROUNDED BY ALFALFA TO THE SW, A FARMSTEAD TO THE EAST, AND CULTIVATED LAND IN ALL OTHER DIRECTIONS.

**Threats:**  
**General:**  
NEST-BUILDING OBSERVED IN 2000 BUT 0 FLEDGED. 1 FLEDGED IN 2001. NEST MONITORED 2 APR-5 AUG 2002; ADULTS PRESENT, BUT NO CHICKS. NEST WITH 2 FEATHERED YOUNG OBS 3 JUN 2003. 1 FLEDGED IN 2004. 1 FLEDGED IN 2005.

<b>PLSS:</b> T08N, R02E, Sec. 29 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263117 E606484	<b>Latitude/Longitude:</b> 38.51007 / -121.77867	<b>Elevation (feet):</b> 55

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
RES00F0108	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-06-23
RES01F0078	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0239	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0168	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-09
RES05F0139	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-14



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 43799  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 919

**EO Index:** 43799  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-19  
**Last Survey Date:** 2005-07-19  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

ALONG THE EAST SIDE OF CURREY ROAD ABOUT 0.1 MILE NORTH OF PHILLIPS ROAD, 5 MILES NNW OF DIXON.

**Detailed Location:**

TERRITORY "SL" (NO # ASSIGNED) FROM CDFW DATABASE OF SWAINSON'S HAWK OBSERVATIONS 1979-1994. MAPPED TO UTMS FROM FIELD SURVEY FORMS (RESSEGUIE SITE MERRITT 50) & CDFW DATABASE OF SWHA NEST RECORDS 2000-2004.

**Ecological:**

2000-2005: NEST TREES WERE LARGE BLUE GUM EUCALYPTI ON THE EAST SHOULDER OF CURREY ROAD. HABITAT INCLUDED WHEAT TO THE EAST, CORN TO THE SE, AND A VINEYARD ACROSS THE ROAD TO THE WEST.

**Threats:**

**General:**  
 PAIR & 2 YOUNG OBSERVED, 1994. NEST MONITORED 27 APR-3 AUG 2000; 2 FLEDGED. 1 FLEDGED IN 2001. NEST MONITORED 31 MAY-24 JUL 2002; 1 FLEDGED. ADULTS PRESENT 22 MAR-22 JUN 2004; OUTCOME UNKNOWN. NEST MONITORED 14 APR-19 JUL 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R01E, Sec. 23 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4263908 E602720	<b>Latitude/Longitude:</b> 38.51763 / -121.82172	<b>Elevation (feet):</b> 70

**County Summary:**

Solano

**Quad Summary:**

Merritt (3812157)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - RES00F0112 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-08-03
  - RES01F0107 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0249 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0450 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
  - RES05F0138 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01
  - STO00F0001 STOWERS, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-06-18



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 50759  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1024

**EO Index:** 50759  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2005-08-22  
**Last Survey Date:** 2005-08-22  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF ROAD 105, 0.25 MILE SOUTH OF ROAD 36, 5 MILES SE OF DAVIS.

**Detailed Location:**  
 NEST TREE WAS LOCATED IN THE SE CORNER OF A "MIGRANT LABOR CAMP." 2001 NEST WAS FOUND AT THE 95% HEIGHT OF THIS SLENDER TREE. 2002 NEST WAS IN A SMALL PINE NEAR THE SOUTH EDGE OF THE CAMP. 2005 NEST TREE WAS IN A BLUE GUM SOUTH OF THE PINE.

**Ecological:**  
 VARIOUS TREES USED FOR NESTING; 2002 TREE WAS A SMALL PINE. AREA SURROUNDED BY ALFALFA (EAST, SE), WHEAT (SOUTH), & THE CAMP (NORTH, WEST). THE "CAMP" APPEARS TO HAVE BE REDEVELOPED WITH MOBILE OR MODULAR HOMES AROUND 2002 (AERIALS) - 2004.

**Threats:**  
**General:**  
 NEST MONITORED, 8 APR-24 SEP 2001; NEST DISAPPEARED BEFORE 28 MAY 2001. NEST MONITORED 4 APR-17 JUL 2002; 0 FLEDGED. INACTIVE IN 2004 (POORLY OBSERVED). NEST MONITORED 26 FEB-22 AUG 2005; 2 FLEDGED.

**PLSS:** T07N, R03E, Sec. 06 (M)                   **Accuracy:** 80 meters                   **Area (acres):** 0  
**UTM:** Zone-10 N4260350 E615375           **Latitude/Longitude:** 38.48402 / -121.67717           **Elevation (feet):** 25

**County Summary:** Yolo  
**Quad Summary:** Saxon (3812146)

- Sources:**
- RES01F0128 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0221 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0437 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-13
  - RES05F0320 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50765  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1028

**EO Index:** 50765  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN, PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**

BACKYARD OF 2737 LOYOLA DRIVE AND SOUTHWEST CORNER OF LAYTON DRIVE LOOP IN NORTHEAST DAVIS.

**Detailed Location:**

MAPPED TO ADDRESS GIVEN FOR 1993-94 DETECTIONS AT TERRITORY YO216 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE, AND COORDINATES GIVEN ON 1999 FIELD SURVEY FORM. SITE YO-305 FROM 2008 ESTEP REPORT.

**Ecological:**

1993-94 NEST IN BACKYARD CONIFER. 1999, 2007 NEST IN LARGE PINE WITHIN SUBURBAN DEVELOPMENT. 1999 SURVEYOR NOTED GOOD FORAGE CROPS IN SURROUNDING AREA; SINCE THEN, RESIDENTIAL DEVELOPMENT HAS DECREASED AVAILABLE FORAGING HABITAT.

**Threats:**

**General:**

NEST WITH 3 YOUNG OBSERVED IN 1993. NEST WITH 1 YOUNG OBSERVED IN 1994. 2 ADULTS AND 3 CHICKS OBSERVED IN THE NEST ON 30 JUN 1999. ACTIVE NEST OBSERVED DURING 2007 SURVEY, RESULTS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 11 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4268618 E611957	<b>Latitude/Longitude:</b> 38.55896 / -121.71502	<b>Elevation (feet):</b> 45

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- BRA99F0013 BRADBURY, M. (CALIFORNIA DEPARTMENT OF WATER RESOURCES) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1999-06-30
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50783  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1033

**EO Index:** 50783  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2004-05-17  
**Last Survey Date:** 2005-08-10  
**Owner/Manager:** YOL COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF ROAD 104, 0.1 MILE NORTH OF ROAD 35, SW OF DAVIS.

**Detailed Location:**  
 MAPPED TO UTMS GIVEN ON FIELD SURVEY FORMS FOR RESSEGUIE SITE DAVIS 10.

**Ecological:**  
 NEST WAS AT 80% HEIGHT OF BLACK WALNUT IN SHORT ROW OF SMALL BLACK WALNUTS ON W SIDE OF ROAD, DUE W OF THE CROSSROAD SIGN. TREES WERE SEVERELY PRUNED FOR POWER LINE CLEARANCE (2001); SURROUNDED BY CULTIVATED LAND TO THE EAST AND WEST.

**Threats:**  
**General:**  
 FORAGING SWHA OBS IN AREA, 1992. NEST MONITORED 17 MAR-13 AUG 2001; PROBABLY FLEDGED 1. NEST MONITORED 4 APR-23 JUL 2002; NO YOUNG DETECTED. ACTIVE NEST OBS MAR-MAY 2004; OUTCOME UNKNOWN. SINGLE ADULT OBSERVED, 1 JUN 2005.

<b>PLSS:</b> T08N, R03E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262507 E613739	<b>Latitude/Longitude:</b> 38.50367 / -121.69557	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - RES01F0135 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0026 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0355 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12
  - RES05F0225 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-10
  - SCO92F0029 SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-05-19
  - SCO92F0034 SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-04-07



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	50916	<b>EO Index:</b>	50916
<b>Key Quad:</b>	Davis (3812156)	<b>Element Code:</b>	ABNKC19070
<b>Occurrence Number:</b>	1084	<b>Occurrence Last Updated:</b>	2007-08-15

<b>Scientific Name:</b>	<i>Buteo swainsoni</i>	<b>Common Name:</b>	Swainson's hawk
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> Threatened	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5 <b>State:</b> S3	<b>Other Lists:</b>	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Last Date Observed:</b>	2001-07-11	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2004-05-30	<b>Occurrence Rank:</b>	Fair
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
0.4 MILE SOUTH OF ROAD 29 AND 0.5 MILE WEST OF ROAD 102, NORTH OF DAVIS.

**Detailed Location:**  
ACCESS TO THIS SITE IS VERY LIMITED.

**Ecological:**  
NEST TREE IS A RAGGED, MULTI-TRUNKED WILLOW; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND.

**Threats:**  
**General:**  
NEST SITE OBSERVED ON 11 JUL 2001; 1 CHICK PRESENT. INADEQUATELY OBSERVED IN 2004, BUT NONE OBSERVED DURING VISITS ON 22 APR AND 30 MAY 2004.

<b>PLSS:</b>	T09N, R02E, Sec. 34 (M)	<b>Accuracy:</b>	80 meters	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4271444 E609768	<b>Latitude/Longitude:</b>	38.58469 / -121.73970	<b>Elevation (feet):</b>	40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
RES01F0194 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX  
RES04F0461 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-05-30



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50940  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1087

**EO Index:** 50940  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-05-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-06-02  
**Last Survey Date:** 2009-06-02  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 ALONG ROAD 102, FROM 0.3 TO 0.6 MILES NORTH OF ROAD 28H, 3 MILES NORTH OF DAVIS.

**Detailed Location:**  
 2 TERRITORIES. NORTH SITE, E OF RD 102: PROBABLE LOCATION OF TERRITORY YO090/YO093 FROM CDFW DATABASE. RESSEGUIE'S DAVIS 3 SITE. ACTIVITY 1989-2004. SOUTH SITE, W OF RD 102: R'S DAVIS 22, YO-221 FROM ESTEP '08; ACTIVITY 2001-09.

**Ecological:**  
 SOUTH SITE: NEST TREES WERE FARMYARD LOCUSTS (AND A WILLOW? 2002). NORTH SITE: NEST TREES WITHIN A TIGHT GROUP OF 5 BLACK WALNUTS. SURROUNDING FORAGING HABITAT CONSISTED OF CULTIVATED LAND TO THE EAST AND ALFALFA TO THE WEST.

**Threats:**  
**General:**  
 SITE: YR ACTIVE(# YOUNG OR FLEDGED)- N SITE: 1989(0), 1991(?), 1992(?), 1994(0), 1999-2000(?), 2001(1F), 2002(3F), 2003(2Y), 2004(0), INACTIVE 2005. S SITE: 2001(1F), 2002(1F), 2003(?), 2004(1F, NO NEST FOUND), 2005(0?), 2007(2Y), 2009(?).

<b>PLSS:</b> T09N, R02E, Sec. 27 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 13
<b>UTM:</b> Zone-10 N4272887 E610575	<b>Latitude/Longitude:</b> 38.59759 / -121.73021	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG09D0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
EST89F0001	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1989-XX-XX
EST91F0005	ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1991-XX-XX
RES01F0197	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES01F0203	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0021	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES02F0034	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES03U0001	RESSEGUIE, L. - MEMO CONCERNING NEST TREES AND THE BOUNDARIES OF THE NESTING TERRITORY FOR SWHA EO #1087. 2003-XX-XX
RES03U0002	RESSEGUIE, L. - MEMO CONCERNING NEST TREES AND THE BOUNDARIES OF THE NESTING TERRITORY FOR SWHA EO #1093. 2003-XX-XX
RES03U0004	RESSEGUIE, L. - CORRESPONDENCE WITH DEE WARENYCIA (CDFG) REGARDING SWAINSON'S HAWK OCCURRENCE #404. 2003-04-13
RES04F0146	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-06
RES04F0471	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-11
RES05F0217	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-25
RES05F0222	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-07
SCO92F0032	SCOONOVER, R. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-04-21



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50950  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1088

**EO Index:** 50950  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-30

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 JUST NW OF COUNTY RD 103 AT RD 28H/WILLOW SLOUGH BYPASS, 2.5 MILES NE OF DAVIS.

**Detailed Location:**  
 MAPPED TO GIVEN COORDINATES FOR RESSEGUIE SITE DAVIS 4, AT #23898 RD 103. SITE YO-268 FROM 2008 ESTEP REPORT.

**Ecological:**  
 NESTS IN FARMYARD TREES. 2002 NEST IN ELM (OR VALLEY OAK?). 2005 NEST IN EUCALYPTUS. 2007 NEST IN VALLEY OAK SURROUNDED BY IRRIGATED PASTURE & CROPS.

**Threats:**  
**General:**  
 ACTIVE IN 1999 & 2000; SUCCESS UNKNOWN. 1 FLEDGED IN 2001. 1 OF 4 YOUNG FLEDGED IN 2002 (AT LEAST 2 CHICKS WERE BLOWN OUT OF NEST IN HIGH WINDS). UNOCCUPIED IN 2004. FLEDGED 1 IN 2005. ACTIVE NEST OBS DURING 2007 SURVEY; SUCCESS UNKNOWN.

<b>PLSS:</b> T09N, R02E, Sec. 26 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4272307 E612111	<b>Latitude/Longitude:</b> 38.59218 / -121.71267	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
  - RES01F0198 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0022 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0281 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-06
  - RES05F0221 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50951  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1089

**EO Index:** 50951  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2007-04-27  
**Last Survey Date:** 2007-04-27  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 SOUTHEAST CORNER OF COUNTY ROAD 105 AT COUNTY ROAD 30, ENE OF DAVIS.

**Detailed Location:**  
 MAPPED TO COORDINATES GIVEN FOR RESSEGUIE'S SITE DAVIS 8 AND FROM 2007 FIELD SURVEY FORM.

**Ecological:**  
 NESTS IN A GROUP OF EUCALYPTUS TREES SURROUNDING A RESIDENCE; ACTIVE PERIODICALLY FROM 1997-2007. SURROUNDING FORAGING HABITAT CONSISTED OF ALFALFA FIELDS AND A LARGE FARMSTEAD TO THE EAST. GROUP OF 75 SWHA SEEN FORAGING NEARBY IN 1981.

**Threats:**  
**General:**  
 NEST FAILED IN 2001. NEST WITH 1 DOWNY YOUNG OBS 5 JUN 2002. SWHA IN NEST/0 YOUNG OBS 30 JUN 2003. ADULTS, BUT NO NEST OR CHICKS OBS IN 2004 & 2005. ACTIVE NEST WITH 2 ADULTS OBS 27 APR 2007.

**PLSS:** T08N, R03E, Sec. 05 (M)      **Accuracy:** specific area      **Area (acres):** 12  
**UTM:** Zone-10 N4270391 E615474      **Latitude/Longitude:** 38.57448 / -121.67438      **Elevation (feet):** 20

**County Summary:** Yolo  
**Quad Summary:** Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - MCN07F0001 MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2007-04-27
  - RES01F0199 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0024 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0467 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
  - RES05F0220 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-07



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 50952  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1090

**EO Index:** 50952  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-26

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2005-07-24  
**Last Survey Date:** 2005-07-24  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF ROAD 105, 0.2 MILE SOUTH OF ROAD 29, 3 MILES NE OF DAVIS.

**Detailed Location:**  
 2001 NEST TREE WAS THE FIRST TREE NORTH OF THE DRIVEWAY, ON A LARGE, CUT-OFF TRUNK; NEST LOCATED AT THE 60% HEIGHT OF THE NEST TREE. 2005 NEST TREE WAS THE FOURTH TREE WEST OF THE ROAD, ALONG THE SOUTH EDGE OF THE FARMSTEAD.

**Ecological:**  
 NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDING FORAGING HABITAT CONSISTED OF A FARMSTEAD AND PASTURE TO THE WEST AND NW, SUDAN GRASS TO THE SW, AND ALFALFA TO THE EAST, ACROSS THE ROAD.

**Threats:**  
**General:**  
 SWHA OCCUPIED SEVERAL NESTS ON BOTH SIDES OF ROAD IN 1999; OUTCOME UNKNOWN. NEST MONITORED 15 APR-11 JUL 2001; 1 FLEDGED. ADULTS WERE PRESENT IN 2002 AND 2004, BUT NO CHICKS WERE DETECTED. NEST MONITORED 15 APR-24 JUL 2005; 1 FLEDGED.

**PLSS:** T09N, R03E, Sec. 31 (M)                   **Accuracy:** specific area                   **Area (acres):** 10  
**UTM:** Zone-10 N4271652 E615362           **Latitude/Longitude:** 38.58585 / -121.67545           **Elevation (feet):** 20

**County Summary:** Yolo  
**Quad Summary:** Davis (3812156)

**Sources:**  
 RES01F0200 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX  
 RES04F0469 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23  
 RES05F0219 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50954  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1092

**EO Index:** 50954  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** CALTRANS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 I-80 AT RICHARDS BOULEVARD, DAVIS.

**Detailed Location:**

2001-02 NEST TREE BEWEEN I-80 E & EASTBOUND ONRAMP, 2004-05 TREE BETWEEN I-80 W & WESTBOUND OFFRAMP; MAPPED TO UTMS FOR RESSEGUIE SITE DAVIS 19. 2003, 2007 SITES ON E SIDE I-80; SITE YO-149 FROM ESTEP '08, MAPPED TO UTMS FROM CDFW DATABASE.

**Ecological:**

2001-2002 NEST IN REDWOOD. 2003 NEST IN BLUE OAK. 2004-2005 NEST IN EXOTIC DECIDUOUS TREE; SURROUNDED BY FREEWAY AND URBAN AREAS. 2007 NEST IN REDWOOD. BIRDS LIKELY FORAGE ON AG LANDS SOUTH OF PUTAH CREEK ABOUT 0.4 MILES SOUTH.

**Threats:**

**General:**

2 FLEDGED IN 2001. ACTIVE NEST OBS IN 2002, SUCCESS UNKNOWN. NEST W/1 DOWNY YOUNG OBS 12 MAY 2003. 1 FLEDGED IN 2004. SITE MONITORED IN 2005; ADULTS PRESENT, BUT NO NEST/CHICK DETECTED. ACTIVE NEST OBS DURING 2007 SURVEY; SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 15 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 11
<b>UTM:</b> Zone-10 N4266668 E610391	<b>Latitude/Longitude:</b> 38.54158 / -121.73330	<b>Elevation (feet):</b> 45

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX
- RES01F0202 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0032 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0470 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-11
- RES05F0218 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50969  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1094

**EO Index:** 50969  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2001-08-02  
**Last Survey Date:** 2005-08-20  
**Owner/Manager:** PVT?  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 CURREY ROAD, 1 MILE SOUTH OF PHILLIPS ROAD, 4 MILES SW OF DAVIS.

**Detailed Location:**  
 NEST TREE WAS LOCATED WITHIN A GROUP OF BLACK WALNUTS, OF VARIOUS SIZE AND CONDITION, ON BOTH ROAD SHOULDERS, WHERE A DIRT SIDE ROAD RUNS EAST OF CURREY ROAD. FINAL NEST FOUND AT THE 95% HEIGHT OF THE SOUTHMOST WEST SHOULDER BLACK WALNUT.

**Ecological:**  
 NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF CORN TO THE EAST AND SUDAN GRASS TO THE WEST.

**Threats:**  
**General:**  
 NEST SITE MONITORED BETWEEN 30 MAR-2 AUG 2001; 1 FLEDGED. INACTIVE IN 2002 AND 2004. NEST SITE MONITORED 25 APR-20 AUG 2005; SWHA PAIR OBSERVED ON 11 AUG, BUT AT NO OTHER TIME.

<b>PLSS:</b> T08N, R01E, Sec. 35 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262041 E602701	<b>Latitude/Longitude:</b> 38.50082 / -121.82221	<b>Elevation (feet):</b> 75

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**

RES01F0204	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES04F0451	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
RES05F0137	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-20



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50970  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1095

**EO Index:** 50970  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2004-08-12  
**Last Survey Date:** 2005-08-01  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**

WEST SIDE OF PEDRICK ROAD, 0.3 MILE SOUTH OF PUTAH CREEK, 2.5 MILES SW OF DAVIS.

**Detailed Location:**

NEST TREE WAS LOCATED ALONG A DIRT ROAD LEADING WEST FROM PEDRICK ROAD; NEST WAS LOCATED 6 FEET BELOW THE TOP OF THE EASTMOST OF THREE BLACK WALNUTS, CLOSELY-SPACED ALONG THE SOUTH SIDE OF THE DIRT ROAD.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF TOMATOES TO THE NORTH AND WHEAT TO THE EAST, ACROSS THE ROAD.

**Threats:**

**General:**

NEST MONITORED 22 APR-2 AUG 2001; 1 FLEDGED. NEST SITE MONITORED 15 MAY-9 JUL 2002; ADULTS PRESENT, BUT NO NEST SEEN. NEST MONITORED 22 MAR-12 AUG 2004; 1 CHICK SEEN ON 19 JUN. NEST SITE MONITORED 25 APR-1 AUG 2005; 1 ADULT OBSERVED TWICE.

**PLSS:** T08N, R01E, Sec. 24 (M)  
**UTM:** Zone-10 N4264496 E604215

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.52276 / -121.80448

**Area (acres):** 0  
**Elevation (feet):** 65

**County Summary:**

Solano

**Quad Summary:**

Merritt (3812157)

**Sources:**

- RES01F0205 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0253 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0452 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12
- RES05F0136 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 50977	<b>EO Index:</b> 50977
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1096	<b>Occurrence Last Updated:</b> 2011-09-21

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2002-07-24	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-09-09	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
EAST SIDE OF CURREY ROAD, 0.6 MILE SOUTH OF PHILLIPS ROAD, 3.5 MILES SW OF DAVIS.

**Detailed Location:**  
NEST IS LOCATED HIGH ON THE EAST SIDE OF THE NORTHERNMOST EAST SHOULDER BLACK WALNUTS; COTTONWOODS USED FREQUENTLY AS A PERCH.

**Ecological:**  
NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF CULTIVATED LAND TO THE EAST AND WEST. COTTONWOODS WERE FREQUENTLY USED AS A PERCH.

**Threats:**  
**General:**  
NEST MONITORED 9 APR-11 AUG 2001; 1 FLEDGED. NEST MONITORED 25 JUN-24 JUL 2002; 1 FLEDGED. ADULTS PRESENT IN 2004 AND 2005, BUT NO NEST OR CHICKS DETECTED.

<b>PLSS:</b> T08N, R01E, Sec. 26 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262782 E602710	<b>Latitude/Longitude:</b> 38.50749 / -121.82200	<b>Elevation (feet):</b> 70

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

RES01F0206	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0248	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0432	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
RES05F0135	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-09-09



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 50984  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1098

**EO Index:** 50984  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2002-07-29  
**Last Survey Date:** 2005-08-11  
**Owner/Manager:** PVT?  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF OLD DAVIS ROAD, 0.4 MILE NORTH OF BECKER, SOUTH OF DAVIS.

**Detailed Location:**  
 NEST IS LOCATED AT THE 90% HEIGHT OF THE NEST TREE.

**Ecological:**  
 NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF WHEAT TO THE EAST AND TOMATOES TO THE WEST.

**Threats:**  
**General:**  
 NEST MONITORED 23 JUN-2 AUG 2001; 2 FLEDGED. NEST MONITORED 15 APR-29 JUL 2002; INCUBATION OBSERVED 12 MAY 2002, BUT NO CHICKS SEEN. NO SWHA'S SEEN IN 2004, BUT MUCH WHITEWASH BELOW NEST IN RAGGED BLACK WALNUT. INACTIVE IN 2005.

<b>PLSS:</b> T08N, R02E, Sec. 28 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262973 E608354	<b>Latitude/Longitude:</b> 38.50854 / -121.75725	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**

- RES01F0208 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0255 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0454 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
- RES05F0133 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51077  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1149

**EO Index:** 51077  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-29  
**Last Survey Date:** 2005-07-29  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 SOUTH SIDE OF TREMONT ROAD, 0.5 MILE WEST OF MACE BOULEVARD, 4 MILES SE OF DAVIS.

**Detailed Location:**  
 MAPPED TO UTMS GIVEN FOR RESSEGUE'S SAXON 1 SITE. NEST SITE DOCUMENTED IN CDFW NEST RECORDS WAS AT SAME LOCATION. NEST TREE WAS LOCATED IN THE SW CORNER OF A CHURCH YARD; NEST WAS NOT VISIBLE FROM THE ROAD.

**Ecological:**  
 NEST AT 90% HEIGHT OF A PINE; SURROUNDING FORAGING HABITAT CONSISTED OF CORN TO THE WEST, ALFALFA TO THE SOUTH AND EAST, AND WHEAT TO THE NORTH ACROSS THE ROAD.

**Threats:**  
**General:**  
 NEST MONITORED MAR-JUL 2001; 2 FLEDGED. MONITORED 4 APR-15 JUL 2002; NO ACTIVE NEST FOUND. ACTIVE, INCUBATION OBS 5 JUN 2003. ADULTS DEFENDED TREE IN 2004, BUT EARLY DISTURBANCE CAUSED ABANDONMENT. MONITORED 1 APR-29 JUL 2005; 2 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 36 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261409 E612951	<b>Latitude/Longitude:</b> 38.49388 / -121.70479	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - RES01F0214 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0105 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0438 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-17
  - RES05F0319 RESSEGUE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 51080	<b>EO Index:</b> 51080
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1151	<b>Occurrence Last Updated:</b> 2013-04-10

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-07-16	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-16	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH SIDE OF TREMONT ROAD, 0.4 MILE WEST OF EGGERT ROAD, EAST OF DIXON.

**Detailed Location:**  
RESSEGUIE'S SAXON 5 SITE, ALSO RECORDED IN CDFW NEST RECORDS.

**Ecological:**  
NESTS WERE IN 2 SMALL LOCUSTS ON S SIDE OF ROAD, SURROUNDED BY CULTIVATED LAND. OTHER SURVEYORS IN 2000 AND 2002 IDENTIFIED THE NEST TREE AS WALNUT AND WILLOW, RESPECTIVELY.

**Threats:**  
**General:**  
NEST WITH 1 PARTIALLY-FEATHERED CHICK OBSERVED ON 29 JUN 2000. 3 FLEDGED IN 2001. 1 FLEDGED IN 2002. ADULT SWHA OBSERVED 0.3 MI TO W, BUT NO NEST FOUND IN 2004. 2 FLEDGED IN 2005.

<b>PLSS:</b> T08N, R02E, Sec. 34 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261509 E609846	<b>Latitude/Longitude:</b> 38.49517 / -121.74037	<b>Elevation (feet):</b> 45

**County Summary:** Solano      **Quad Summary:** Saxon (3812146)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - RES01F0216 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0216 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0011 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-17
  - RES04F0387 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-21
  - RES05F0317 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-16
  - STO00F0013 STOWERS, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-06-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51087  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1156

**EO Index:** 51087  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2002-07-28  
**Last Survey Date:** 2005-08-10  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 SOUTH SIDE OF ROAD 36, IN THE JOG OF ROAD 104, 7 MILES NE OF DIXON.

**Detailed Location:**  
 NEST LOCATED AT 2/3 HEIGHT, ON THE SOUTH SIDE, OF THE LONE TALL PINE, ON THE WEST SIDE OF THE FARMSTEAD.

**Ecological:**  
 NEST TREE WAS A LONE, TALL PINE; SURROUNDING FORAGING HABITAT CONSISTED OF PASTURE TO THE WEST, WITH A FARMSTEAD TO THE SOUTH AND EAST.

**Threats:**  
**General:**  
 NEST MONITORED 30 APR-10 AUG 2001; 1 FLEDGED. NEST SITE MONITORED 4 APR-28 JUL 2002; ONE SIGHTING OF A BUTEO ON THE NEST, AND A SWHA FLEDGLING OF UNKNOWN ORIGIN NEARBY, 5 JUL 2002. INACTIVE IN 2004 AND 2005.

<b>PLSS:</b> T07N, R02E, Sec. 01 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260625 E613833	<b>Latitude/Longitude:</b> 38.48671 / -121.69480	<b>Elevation (feet):</b> 30

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

**Sources:**

RES01F0223	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0222	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0443	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-13
RES05F0312	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-10



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51088  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1157

**EO Index:** 51088  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-10

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-24  
**Last Survey Date:** 2005-08-24  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

WEST SIDE OF SIKES ROAD, 1 MILE SOUTH OF TREMONT ROAD, 4 MILES NE OF DIXON.

**Detailed Location:**

MAPPED TO UTMS GIVEN FOR RESSEGUIE'S SAXON 20 SITE. 2001-2002 NEST TREE WAS THE SECOND BLACK WALNUT FROM THE NORTH, IN A ROW BETWEEN THE ROAD AND DITCH TO THE WEST; NEST FOUND AT THE 90% HEIGHT, NORTH OF CENTER.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF TOMATOES TO THE WEST AND BARE DIRT (AFTER WHEAT HARVEST) TO THE EAST.

**Threats:**

**General:**

NEST MONITORED 29 MAY-3 AUG 2001; 1 FLEDGED. MONITORED 15 APR-5 AUG 2002; INCUBATION, 1 PART-FEATHERED CHICK OBS BUT 0 FLEDGED. MONITORED 9 APR-13 JUL 2004; 1 FLEDGED. MONITORED 11 APR-24 AUG 2005; NEST FOUND, SITE DEFENDED, BUT 0 FLEDGED.

**PLSS:** T07N, R02E, Sec. 03 (M)  
**UTM:** Zone-10 N4259863 E609036

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.48044 / -121.74991

**Area (acres):** 0  
**Elevation (feet):** 40

**County Summary:**

Solano

**Quad Summary:**

Saxon (3812146)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- RES01F0224 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0223 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0444 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-13
- RES05F0311 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51099  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1159

**EO Index:** 51099  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-10  
**Last Survey Date:** 2005-08-10  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

WEST SIDE OF BULKLEY ROAD, 0.8 MILE SOUTH OF TREMONT ROAD, 6 MILES NE OF DIXON.

**Detailed Location:**

2001-2002 NEST TREE WAS A SMALL PINE BETWEEN TWO PALMS; NEST WAS LOCATED AT THE 90% HEIGHT, ON THE NE SIDE OF THE NEST TREE. 2004-2005 NEST TREE WAS THE PALM JUST SW OF THE PINE USED IN 2001-2002.

**Ecological:**

NEST TREE WAS A PALM (PREVIOUSLY A PINE); SURROUNDING FORAGING HABITAT CONSISTED OF ALFALFA IN ALL DIRECTIONS.

**Threats:**

**General:**

NEST MONITORED 11 JUL-3 AUG 2001; 1 FLEDGED. NEST MONITORED 4 APR-15 JUL 2002; 3 FLEDGED. NEST MONITORED 7 APR-10 AUG 2004; 1 FLEDGED. NEST MONITORED 11 APR-10 AUG 2005; 2 FLEDGED.

**PLSS:** T07N, R02E, Sec. 02 (M)  
**UTM:** Zone-10 N4260267 E611314

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.48380 / -121.72373

**Area (acres):** 0  
**Elevation (feet):** 35

**County Summary:**

Solano

**Quad Summary:**

Saxon (3812146)

**Sources:**

- RES01F0226 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0225 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0445 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-10
- RES05F0309 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-10



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 51111	<b>EO Index:</b> 51111
<b>Key Quad:</b> Dixon (3812147)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1162	<b>Occurrence Last Updated:</b> 2011-09-22

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Last Date Observed:</b> 2005-07-18	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-18	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF TREMONT ROAD, JUST WEST OF THE TREMONT ROAD DEAD-END, WEST OF I-80, 3 MILES NNE OF DIXON.

**Detailed Location:**

**Ecological:**  
NEST TREE WAS A SOLITARY BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTED OF ALFALFA TO THE NORTH, RUDERAL TO THE SOUTH, FREEWAY TO THE EAST, AND USGS TO THE SW.

**Threats:**  
**General:**  
NEST MONITORED 16 JUN-2 AUG 2001; NEST NOT SEEN AFTER JUN 2001. NEST MONITORED 28 APR-24 JUL 2002; POSSIBLE NEST, NO CHICKS. NEST SITE MONITORED 24 APR-22 JUL 2004; POSSIBLE NEST. NEST MONITORED 14 APR-18 JUL 2005; 2 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 31 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261559 E604856	<b>Latitude/Longitude:</b> 38.49622 / -121.79757	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

**Sources:**

RES01F0229	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0189	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0235	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-22
RES05F0176	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-18



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51137  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1170

**EO Index:** 51137  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2002-07-17  
**Last Survey Date:** 2005-07-21  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 0.25 MILE EAST OF RUNGE ROAD, 0.8 MILE NORTH OF VAUGHN ROAD, NE OF DIXON.

**Detailed Location:**  
 NEST LOCATED AT THE 90% HEIGHT OF THE TALLEST DECIDUOUS TREE FARTHER EAST THAN THE TALL PINE.

**Ecological:**  
 NEST TREE WAS A LOCUST(?); SURROUNDING FORAGING HABITAT CONSISTED OF WHEAT TO THE NW AND TOMATOES TO THE SOUTH, EAST, NORTH, AND WEST.

**Threats:**  
**General:**  
 NEST MONITORED 29 APR-20 JUL 2001; 2 FLEDGED. NEST MONITORED 15 APR-17 JUL 2002; 1 FLEDGED. ONLY 1 ADULT SIGHTING IN 2004 AND IN 2005 (UNOCCUPIED).

<b>PLSS:</b> T07N, R02E, Sec. 04 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4259695 E607898	<b>Latitude/Longitude:</b> 38.47906 / -121.76298	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

**Sources:**

- RES01F0237 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
- RES02F0185 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0241 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-17
- RES05F0170 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-21



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 51143  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1173

**EO Index:** 51143  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-05-30

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-29  
**Last Survey Date:** 2005-08-29  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

ABOUT 0.3 MILES EAST OF THE INTERSECTION OF RUNGE ROAD AND VAUGHN ROAD, 3 MILES ENE OF DIXON.

**Detailed Location:**

MAPPED TO COORDINATES GIVEN FOR RESSEGUIE'S DIXON 68 AND DIXON 68.5 SITES. 5 DIFFERENT NEST TREES WERE USED BETWEEN 2001 AND 2005.

**Ecological:**

NEST TREES WERE BLACK WALNUTS; SURROUNDING FORAGING HABITAT CONSISTED OF A FARMSTEAD TO THE SE, CORN TO THE SW, AND CULTIVATED LAND TO THE NORTH (WELL DRILLED HERE IN AUG 2001).

**Threats:**

**General:**  
 2 FLEDGED IN 2001. 1 FLEDGED IN 2002. NEST DISCOVERED TOO LATE (OUTCOME UNKNOWN) IN 2004. 1-2 ACTIVE NESTS OBSERVED IN 2005; AT LEAST 1 YOUNG FLEDGED.

**PLSS:** T07N, R02E, Sec. 09 (M)  
**UTM:** Zone-10 N4258332 E608008

**Accuracy:** specific area  
**Latitude/Longitude:** 38.46677 / -121.76193

**Area (acres):** 15  
**Elevation (feet):** 50

**County Summary:**

Solano

**Quad Summary:**

Dixon (3812147)

**Sources:**

RES01F0240 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX  
 RES02F0191 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX  
 RES04F0244 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12  
 RES05F0080 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-28  
 RES05F0081 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 52112  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1255

**EO Index:** 52112  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-25  
**Last Survey Date:** 2005-07-25  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 ALONG BOTH SIDES OF COVELL BOULEVARD, BETWEEN TEA PLACE AND WHISTLER COURT, DAVIS.

**Detailed Location:**  
 2001-2002 NEST TREE WAS SOUTH OF COVELL AND WAS THE SECOND-TALLEST TREE IN THE GROUP; NEST WAS AT THE 80% HEIGHT OF THE NEST TREE. 2004-2005 NEST TREE WAS NORTH OF COVELL, WITHIN A ROW OF SINUOUS PINES. RESSEGUIE'S SITES DAVIS 5 & 5.5.

**Ecological:**  
 FORAGING SWHA OBSERVED IN 1992: AREA N OF COVELL WAS STILL AGRICULTURE & PASTURE. SINCE, THE AREA HAS BEEN DEVELOPED. 2001-2002 NEST IN TALL, DECIDUOUS TREE (ELM?). 2004-2005 NEST IN PINE; BOTH SURROUNDED BY URBAN RESIDENTIAL.

**Threats:**  
**General:**  
 NEST DETECTED AT THIS SITE LATE IN 2001. NEST MONITORED 3 APR-31 JUL 2002; 1 FLEDGED. NEST MONITORED DURING 2004; 1 FLEDGED. NEST MONITORED 2 APR-25 JUL 2005; INCUBATION OBSERVED, BUT NO CHICK DETECTED.

<b>PLSS:</b> T08N, R02E, Sec. 02 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 12
<b>UTM:</b> Zone-10 N4269079 E611545	<b>Latitude/Longitude:</b> 38.56316 / -121.71967	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

- RES02F0023 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0154 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-21
- RES04F0465 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23
- RES05F0216 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-25
- SCO92F0031 SCOONOVER, R - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1992-04-21



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 52118  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1256

**EO Index:** 52118  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-09

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-04-23  
**Last Survey Date:** 2009-04-23  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

ALONG MACE BOULEVARD (COUNTY RD 104), ABOUT 0.4 MILE NORTH OF COWELL BOULEVARD, SOUTH OF DAVIS.

**Detailed Location:**

2 SITES; BOTH ACTIVE IN 1994 & 2004. NW SITE: MAPPED TO RESSEGUIE'S DAVIS 9 SITE (28110 MACE BLVD); VICINITY OF TERRITORY #YO259 FROM CDFW DATABASE. SE SITE: MAPPED TO RESSEGUIE'S DAVIS 39 (28301 MACE BLVD); CDFW TERRITORY #YO257.

**Ecological:**

NW SITE: NESTS IN LARGE, SPRAWLING VALLEY OAK; SURROUNDED BY A SOD FARM, RUDERAL/DEBRIS NORTH OF NEST TREE, AND THE REMNANTS OF A NURSERY. SE SITE: NESTS IN VALLEY OAK ON N SIDE OF FARMYARD; SURROUNDED BY CROPLAND/RUDERAL.

**Threats:**

**General:**

NW SITE: NEST W/PAIR & 2 YOUNG OBSERVED 1994. ACTIVE/0 YOUNG OBS 2002. 1 FLEDGLING OBS 2 AUG 2004 (INSUFFICIENT OBS). ADULTS/NO NEST OBS 2005. SE SITE: PAIR & 1 YOUNG OBS 1994. 2 FLEDGED 2004. 2 FLEDGED 2005. ACTIVE 2009, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R03E, Sec. 19 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4265111 E613842	<b>Latitude/Longitude:</b> 38.52712 / -121.69397	<b>Elevation (feet):</b> 40

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- DFG09D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- RES02F0025 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0070 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-09
- RES04F0468 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-09
- RES05F0208 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-16
- RES05F0215 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 52166  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1259

**EO Index:** 52166  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2003-05-12  
**Last Survey Date:** 2005-06-08  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Decreasing

**Location:**  
 ALONG I-80 FREEWAY SHOULDER, JUST EAST OF COUSTEAU PLACE, DAVIS.

**Detailed Location:**  
 NEST TREE OBSERVED FROM 2ND STREET. TREE WAS BETWEEN I-80 TRAFFIC TO THE SOUTH AND A BIKE PATH TO THE NORTH, THEN RAILROAD TRACK, RUDERAL, & 2ND STREET. 2002 NEST TREE WAS REMOVED BEFORE THE 2005 NESTING SEASON; OTHER TREES REMAIN NEARBY.

**Ecological:**  
 NEST TREE WAS AN OAK; AREA TO THE NORTH UNDERGOING LIGHT INDUSTRIAL DEVELOPMENT. SURROUNDED IN ALL DIRECTIONS BY COMMERCIAL OR HIGHWAY.

**Threats:**  
 THREATENED BY DEVELOPMENT.

**General:**  
 NEST MONITORED 28 APR-29 JUL 2002; 2 FLEDGED. ACTIVE NEST SITE IN 2003; OUTCOME UNKNOWN. UNOCCUPIED IN 2004 AND 2005.

<b>PLSS:</b> T08N, R02E, Sec. 12 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267593 E612385	<b>Latitude/Longitude:</b> 38.54967 / -121.71028	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX

RES02F0030 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX

RES04F0376 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23

RES05F0213 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-06-08



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 52167  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1260

**EO Index:** 52167  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-26

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-15  
**Last Survey Date:** 2005-08-15  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 EAST SIDE OF ROAD 102, 0.25 MILE SOUTH OF STERLING RIDING ACADEMY, 2.5 MILES NORTH OF DAVIS.

**Detailed Location:**  
 2002 AND 2004 NEST TREE WAS THE TALLEST EUCALYPTUS IN THE NE CORNER OF THE FARMSTEAD, WITH THE NEST LOCATED AT THE 90% HEIGHT.

**Ecological:**  
 NEST TREE WAS A EUCALYPTUS (BLUE GUM); SURROUNDED BY FARMSTEADS TO THE EAST AND WEST, A SMALL DAIRY TO THE NORTH, AND PASTURE/ALFALFA TO THE WEST.

**Threats:**  
**General:**  
 NEST MONITORED 12 JUN-31 JUL 2002; NEST DISAPPEARED BY 18 JUN, ADULTS PRESENT THROUGH 31 JUL 2002. NEST MONITORED 26 MAR-14 AUG 2004; INCUBATING ON 5 MAY, BUT OUTCOME UNKNOWN. NEST MONITORED 2 APR-15 AUG 2005; 1 FLEDGED.

<b>PLSS:</b> T09N, R02E, Sec. 23 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4274017 E610691	<b>Latitude/Longitude:</b> 38.60776 / -121.72869	<b>Elevation (feet):</b> 43

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

RES02F0036	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0152	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-14
RES05F0212	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-15





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 53333  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1288

**EO Index:** 53333  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-04  
**Last Survey Date:** 2005-07-04  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

WEST SIDE OF MACE BOULEVARD, 0.25 MILE NORTH OF THE JOG IN MACE BOULEVARD, 4 MILES SSE OF DAVIS.

**Detailed Location:**

2001-2004 NEST TREE WAS THE FIRST BLACK WALNUT ON THE WEST SHOULDER, NORTH OF THE DIRT FARM ROAD LEADING WEST; THIS NEST TREE DISAPPEARED IN 2004. 2005 NEST TREE WAS THE FIRST BLACK WALNUT REMAINING NORTH OF THE DIRT ROAD.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE WEST AND RUDERAL TO THE EAST, ACROSS THE ROAD.

**Threats:**

**General:**

SUCCESSFUL NEST AT THIS SITE LIKELY MISSED IN 2001. NEST MONITORED 4 JUL-23 JUL 2002; 1 FLEDGED. NEST TREE WITH A SMALL NEST DISAPPEARED BETWEEN 11 JUN-13 JUL 2004. NEST MONITORED 30 MAR-10 AUG 2005; INCUBATION OBS ON 31 MAY, BUT 0 FLEDGED.

**PLSS:** T08N, R02E, Sec. 36 (M)  
**UTM:** Zone-10 N4261181 E613733

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.49173 / -121.69586

**Area (acres):** 0  
**Elevation (feet):** 35

**County Summary:**

Solano, Yolo

**Quad Summary:**

Saxon (3812146)

**Sources:**

- RES02F0084 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
- RES04F0446 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-13
- RES05F0306 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-10



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 56458  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1327

**EO Index:** 56474  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-05-09  
**Last Survey Date:** 2005-08-10  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 EAST SIDE OF BULKLEY ROAD, 0.5 MILE SOUTH OF TREMONT ROAD, 6 MILES NE OF DIXON.

**Detailed Location:**  
 RESSEGUIE'S SAXON 30. 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE EAST SIDE, OF A RAGGED COTTONWOOD (EASTMOST OF THE LARGER TREES ON THE NORTH EDGE OF THE FARMSTEAD).

**Ecological:**  
 NEST TREE WAS A COTTONWOOD; SURROUNDED BY ALFALFA TO THE WEST, NORTH, AND SOUTH.

**Threats:**  
**General:**  
 NEST MONITORED 7 APR-5 AUG 2004; 1 FLEDGED. NEST MONITORED 22 APR-10 AUG 2005; INCUBATION OBSERVED ON 9 MAY, BUT NO FURTHER SIGHTINGS.

<b>PLSS:</b> T07N, R02E, Sec. 02 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260717 E611379	<b>Latitude/Longitude:</b> 38.48784 / -121.72292	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

**Sources:**  
 RES04F0016 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-05  
 RES05F0301 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-10



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56460  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1329

**EO Index:** 56476  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-16  
**Last Survey Date:** 2005-07-16  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

SOUTH SIDE OF MAXWELL ROAD, 0.8 MILE EAST OF BULKLEY ROAD, 6 MILES ENE OF DIXON.

**Detailed Location:**

RESSEGUIE'S SAXON 33. 2004 NEST LOCATED IN AN ELM AT THE SE CORNER OF THE HOUSE AT 8292 MAXWELL ROAD. 2005 NEST LOCATED IN A DEODAR CEDAR BETWEEN THE HOUSE AND THE ROAD.

**Ecological:**

NEST TREE WAS A DEODAR CEDAR (2005).

**Threats:**

**General:**

NEST MONITORED 17 MAY-10 AUG 2004; 3 YOUNG FLEDGED. NEST MONITORED 11 APR-16 JUL 2005; 2 FLEDGED.

**PLSS:** T07N, R02E, Sec. 12 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4259216 E613010

**Latitude/Longitude:** 38.47411 / -121.70446

**Elevation (feet):** 30

**County Summary:**

Solano

**Quad Summary:**

Saxon (3812146)

**Sources:**

RES04F0018 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-10

RES05F0299 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-16



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56461  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1330

**EO Index:** 56477  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2004-08-24

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2004-08-12  
**Last Survey Date:** 2004-08-12  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 SW OF THE INTERSECTION OF ROAD 36 AND THE WEST END OF MACE ROAD (HWY 104), 7 MILES ENE OF DIXON.

**Detailed Location:**  
 RESSEGUIE'S SAXON 34. 2004 NEST TREE IS THE EASTMOST BLUE GUM EUCALYPTUS IN A ROW.

**Ecological:**  
 NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY RUDERAL NORTH TO A FARMSTEAD AND CULTIVATED LAND TO THE SOUTH.

**Threats:**  
**General:**  
 INADEQUATE OBSERVATION DUE TO DIFFICULTY GAINING ACCESS IN 2004. NEST MONITORED 19 MAY-12 AUG 2004; ON 19 MAY, ADULT DEFENDED NEST AND BEGGING CALLS WERE HEARD FROM THE NEXT TREE.

<b>PLSS:</b> T07N, R02E, Sec. 01 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260391 E613504	<b>Latitude/Longitude:</b> 38.48463 / -121.69861	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

**Sources:**  
 RES04F0019    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 56474	<b>EO Index:</b> 56490	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 1331	<b>Occurrence Last Updated:</b> 2011-09-28	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-04-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-16	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SIDE OF TREMONT ROAD, JUST EAST OF EGGERT ROAD, 6 MILES NE OF DIXON.

**Detailed Location:**  
RESSEGUIE'S SAXON 35. SITE WAS LOCATED AT 8752 EGGERT ROAD, WHERE A NEW HOUSE WAS UNDER CONSTRUCTION IN 2004. NEST TREE WAS A EUCALYPTUS.

**Ecological:**  
NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED BY A NEW ALMOND ORCHARD TO THE SOUTH AND EAST AND A WALNUT ORCHARD, JUST BEGINNING PRODUCTION, TO THE NORTH.

**Threats:**  
**General:**  
NEST SITE MONITORED 19 MAY-17 AUG 2004; ADULTS CONSISTENTLY PRESENT FROM 30 MAY-13 AUG, BUT NEST COULD NOT BE FOUND (NESTING PRESUMED). NEST MONITORED 12 APR-16 JUL 2005; NEST-BUILDING OBSERVED ON 12 APR, BUT NO LATER SIGHTINGS.

<b>PLSS:</b> T08N, R02E, Sec. 35 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261547 E610638	<b>Latitude/Longitude:</b> 38.49541 / -121.73128	<b>Elevation (feet):</b> 40

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Saxon (3812146)
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**Sources:**

RES04F0020	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-17
RES05F0298	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-16



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56475  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1332

**EO Index:** 56491  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-04  
**Last Survey Date:** 2005-08-11  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 NORTH SIDE OF MAXWELL ROAD, 0.15 MILE EAST OF BULKLEY ROAD, 6 MILES ENE OF DIXON.

**Detailed Location:**  
 RESSEGUIE'S SAXON 36. SITE IS LOCATED AT A FARMSTEAD AT 8093 MAXWELL ROAD. 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE SOUTH SIDE, OF THE SOUTHMOST RED GUM EUCALYPTUS WITHIN A NORTH-SOUTH ROW.

**Ecological:**  
 NEST TREE WAS A RED GUM EUCALYPTUS.

**Threats:**  
**General:**  
 NEST SITE MONITORED 5 AUG-10 AUG 2004; 1 YOUNG FLEDGED. NEST MONITORED 22 APR-11 AUG 2005; 1 LARGE CHICK SEEN ON 4 JUL, BUT NO FLEDGLING DETECTED.

<b>PLSS:</b> T07N, R02E, Sec. 11 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4259215 E611823	<b>Latitude/Longitude:</b> 38.47425 / -121.71807	<b>Elevation (feet):</b> 30

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

**Sources:**  
 RES04F0021 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-10  
 RES05F0297 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56596  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1345

**EO Index:** 56612  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-09-09  
**Last Survey Date:** 2005-09-09  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 AT THE END OF OLMO ROAD, 1.5 MILES SW OF UC DAVIS.

**Detailed Location:**  
 RESSEGUIE'S MERRITT 38. PRESUMED NESTING IN 2001-02; UNABLE TO CONFIRM NESTING BECAUSE ACCESS WAS DENIED. 2004 NEST WAS ON THE EAST LOBE OF A RAGGED BLACK WALNUT, NORTH OF THE HOUSE AT THIS FARMSTEAD, WHERE THERE ARE MANY VARIED TREES.

**Ecological:**  
 NEST TREE WAS A BLACK WALNUT; CULTIVATED LAND TO THE WEST.

**Threats:**  
**General:**  
 NEST MONITORED 10 APR-15 AUG 2004; 1 YOUNG FLEDGED. NEST MONITORED 31 MAR-9 SEP 2005; 2 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 29 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263738 E606537	<b>Latitude/Longitude:</b> 38.51565 / -121.77796	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 RES04F0024 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-15  
 RES05F0131 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-09-09



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56625  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1347

**EO Index:** 56641  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-30  
**Last Survey Date:** 2005-07-30  
**Owner/Manager:** PVT?  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

NORTH SIDE OF OLD DAVIS ROAD, 2 MILES SOUTH OF DAVIS.

**Detailed Location:**

RESSEGUIE'S MERRITT 71. 2004 NEST WAS LOCATED AT THE 95% HEIGHT OF THE 7TH TREE WEST OF THE NORTH LEG OF OLD DAVIS ROAD. 2005 NEST TREE WAS THE SAME TREE THAT WAS USED IN 2004.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE NORTH AND CULTIVATED LAND TO THE SOUTH AND EAST.

**Threats:**

**General:**

NEST MONITORED 18 MAR-2 AUG 2004; 3 YOUNG FLEDGED. NEST MONITORED 17 MAR-30 JUL 2005; 2 FLEDGED.

**PLSS:** T08N, R02E, Sec. 33 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4262352 E608308

**Latitude/Longitude:** 38.50295 / -121.75786

**Elevation (feet):** 45

**County Summary:**

Solano

**Quad Summary:**

Merritt (3812157)

**Sources:**

RES04F0026 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-02

RES05F0130 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-30



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 56638	<b>EO Index:</b> 56654
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1348	<b>Occurrence Last Updated:</b> 2011-09-21

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2004-07-15	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2004-07-15	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
KIDWELL RANCH HEADQUARTERS, 1.6 MILES SW OF THE INTERSECTION OF I-80 AND HIGHWAY 113, SW OF DAVIS.

**Detailed Location:**  
RESSEGUIE'S MERRITT 72. 2004 WAS THE FIRST YEAR THAT ENTRY WAS PERMITTED TO THIS SITE LOCATED ON PRIVATE PROPERTY. 2004 NEST WAS LOCATED AT THE 90% HEIGHT OF A TREE IN THE WEST ROW, ABOUT THE 15TH TREE FROM THE NORTH END.

**Ecological:**  
NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE EAST AND WEST (EXCEPT FOR A GOAT PEN IMMEDIATELY TO THE EAST).

**Threats:**  
**General:**  
NEST MONITORED 22 MAR-15 JUL 2004; 2 YOUNG FLEDGED. NEST MONITORED 25 APR-19 JUL 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263565 E604875	<b>Latitude/Longitude:</b> 38.51429 / -121.79705	<b>Elevation (feet):</b> 65

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Merritt (3812157)
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**Sources:**

RES04F0027	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
RES05F0129	RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-07-19



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56639  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1349

**EO Index:** 56655  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-01  
**Last Survey Date:** 2005-08-01  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**

KIDWELL RANCH, 0.3 MILE EAST OF RANCH HEADQUARTERS, 1.3 MILES SW OF THE I-80 AND HIGHWAY 113 JUNCTION, SW OF DAVIS.

**Detailed Location:**

RESSEGUIE'S MERRITT 75. 2004 NEST WAS LOCATED AT THE 85% HEIGHT, ON THE WEST SIDE, OF THE THIRD TREE FROM THE NORTH OF THE EASTERN NORTH-SOUTH ROW OF BLACK WALNUTS, WITH A DITCH IN BETWEEN.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE EAST AND CULTIVATED LAND TO THE WEST.

**Threats:**

**General:**

NEST MONITORED 10 APR-15 JUL 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 25 APR-1 AUG 2005; ADULT FREQUENTLY PRESENT, PLAUSIBLE NEST, BUT NO CHICK DETECTED.

**PLSS:** T08N, R02E, Sec. 30 (M)  
**UTM:** Zone-10 N4263607 E605447

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.51460 / -121.79048

**Area (acres):** 0  
**Elevation (feet):** 60

**County Summary:**

Solano

**Quad Summary:**

Merritt (3812157)

**Sources:**

- RES04F0028 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15
- RES05F0128 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 56641  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1350

**EO Index:** 56657  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-14

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2006-08-25  
**Last Survey Date:** 2006-08-25  
**Owner/Manager:** CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**

IN TREES AT POND AREA IMMEDIATELY NORTH OF ESTERO BAY (ROAD/COURT), JUST SE OF W COVELL BLVD AT LAKE BLVD, DAVIS.

**Detailed Location:**

RESSEGUIE'S MERRITT 76. 2004 NEST WAS OBSERVED IN WINTER BEFORE HAWKS RETURNED TO THE AREA. 2005 NEST WAS LOCATED SLIGHTLY SOUTH OF THE 2004 SITE.

**Ecological:**

NEST TREE WAS A WILLOW.

**Threats:**

**General:**

NEST MONITORED 10 APR-8 AUG 2004; NEST REPAIR OBS 10 APR, ADULT SITTING TIGHT ON NEST 26 APR-14 JUN, BUT OUTCOME UNK. NEST MONITORED 20 APR-22 AUG 2005; NEST-BUILDING OBSERVED 20 APR, BUT FOLIAGE PREVENTED LATER NEST OBS. ACTIVE, 2006.

**PLSS:** T08N, R02E, Sec. 08 (M)  
**UTM:** Zone-10 N4268629 E605869

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.55980 / -121.78488

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**

- RES04F0029 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-08
- RES05F0127 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-22
- RES06F0061 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-25



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 56649	<b>EO Index:</b> 56665
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1352	<b>Occurrence Last Updated:</b> 2011-09-21

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-07-19	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-19	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
KIDWELL RANCH, 0.25 MILE SOUTH OF RANCH HEADQUARTERS, 1.4 MILES SW OF THE I-80 AND HIGHWAY 113 JUNCTION, SW OF DAVIS.

**Detailed Location:**  
RESSEGUIE'S MERRITT 81. 2004 WAS THE FIRST YEAR THAT ENTRY WAS PERMITTED TO THIS SITE. 2004 NEST WAS LOCATED AT THE 85% HEIGHT OF A RAGGED BLACK WALNUT.

**Ecological:**  
NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE EAST AND WEST.

**Threats:**  
**General:**  
NEST MONITORED 31 MAY-15 JUL 2004; 4 YOUNG FLEDGED. NEST MONITORED 14 APR-19 JUL 2005; 2 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263326 E604880	<b>Latitude/Longitude:</b> 38.51214 / -121.79703	<b>Elevation (feet):</b> 60

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**  
RES04F0031 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15  
RES05F0125 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 56653	<b>EO Index:</b> 56669
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1354	<b>Occurrence Last Updated:</b> 2011-09-21

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Last Date Observed:</b> 2005-08-01	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-01	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
 KIDWELL RANCH, 0.7 MILE EAST OF RANCH HEADQUARTERS, 1 MILE SW OF THE I-80 AND HIGHWAY 113 JUNCTION, SW OF DAVIS.

**Detailed Location:**  
 RESSEGUIE'S MERRITT 84. 2004 NEST WAS LOCATED IN A WILLOW AMONGST MIXED TREES ALONG THE SOUTH SIDE OF A POND, NORTH OF A DIRT ROAD, AT THE SW CORNER OF THE AREA.

**Ecological:**  
 NEST TREE WAS A WILLOW; SURROUNDED BY CULTIVATED LAND TO THE NORTH AND ALFALFA TO THE SOUTH.

**Threats:**

**General:**  
 NEST MONITORED 1 JUN-2 AUG 2004; 2 YOUNG FLEDGED. NEST MONITORED 11 MAR-1 AUG 2005; 2 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 29 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263464 E606140	<b>Latitude/Longitude:</b> 38.51323 / -121.78255	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**

RES04F0033 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-02  
 RES05F0123 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 56864	<b>EO Index:</b> 56880	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 1368	<b>Occurrence Last Updated:</b> 2013-04-10	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2009-04-23	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2009-04-23	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
JUST SW OF THE INTERSECTION OF ROAD 105 AND ROAD 36, 5 MILES SE OF DAVIS.

**Detailed Location:**  
VICINITY OF TERRITORY "YO" (NO # ASSIGNED) FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. MAPPED TO UTMS GIVEN FOR RESSEGUIE'S SAXON 17.5 SITE. THE SAME NEST TREE WAS USED FOR MULTIPLE YEARS.

**Ecological:**  
NEST TREE WAS A 100' BLUE GUM JUST INSIDE THE FENCE OF THE MIGRANT LABOR CAMP PROPERTY; SURROUNDED BY A WASTEWATER DISPOSAL AREA TO THE SW, THEN ALFALFA, RUDERAL TO THE NORTH, AND ALFALFA TO THE NE AND SE.

**Threats:**  
**General:**  
ACTIVE, INCUBATION OBSERVED ON 21 JUN 1994. NEST USED BY RED-TAILED HAWKS BEFORE 2004 (& GREAT HORNED OWLS IN 2000). MONITORED MAR-JUL 2004; 1 YOUNG FLEDGED. MONITORED FEB-JUL 2005; 1 FLEDGED. ACTIVE, INCUBATION OBS ON 23 APR 2009.

<b>PLSS:</b> T07N, R03E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260709 E615340	<b>Latitude/Longitude:</b> 38.48727 / -121.67751	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG09D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - RES04F0012 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-28
  - RES05F0028 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-07-29
  - ROC00F0003 ROCCO, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-06-09



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57025  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1375

**EO Index:** 57041  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2007-07-18

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                                  **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                          IUCN\_LC-Least Concern  
                          USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2004-07-24  
**Last Survey Date:** 2005-08-01  
**Owner/Manager:** SOL COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
WEST SHOULDER OF PEDRICK ROAD, 1.3 MILES NORTH OF TREMONT ROAD, 3 MILES SW OF DAVIS.

**Detailed Location:**  
NEST IS SMALL, LOCATED AT THE 85% HEIGHT OF THE SOUTHMOST TREE.

**Ecological:**  
NEST TREE IS WITHIN A SMALL ROW OF TREES ON THE WEST SHOULDER; SURROUNDED BY ALFALFA TO THE EAST AND WEST.

**Threats:**  
**General:**  
NEST MONITORED 22 MAR-24 JUL 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 14 APR-1 AUG 2005; SINGLE ADULT OBSERVED ON 14 & 25 APR ONLY.

<b>PLSS:</b> T08N, R01E, Sec. 25 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263518 E604305	<b>Latitude/Longitude:</b> 38.51394 / -121.80359	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
RES04F0071 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-24  
RES05F0050 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORMS FOR 2005 BUTEO SWAINSONI (NEST SITE) UPDATES 2005-08-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 57343  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1376

**EO Index:** 57359  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2004-10-12

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2004-07-31  
**Last Survey Date:** 2004-07-31  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 EAST SIDE OF ROAD 99, 0.8 MILE NORTH OF ROAD 31, NW OF DAVIS.

**Detailed Location:**

**Ecological:**  
 NEST TREE IS A PINE ON THE EAST SHOULDER; SURROUNDED BY CULTIVATED LAND TO THE NW AND ALFALFA ALL AROUND.

**Threats:**

**General:**  
 NEST MONITORED 27 MAR-31 JUL 2004; 2 YOUNG FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269999 E605754	<b>Latitude/Longitude:</b> 38.57216 / -121.78599	<b>Elevation (feet):</b> 55

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**

RES04F0072    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-31



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 57391  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1379

**EO Index:** 57407  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-11  
**Last Survey Date:** 2005-08-11  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 SOUTH SIDE OF TREMONT ROAD, 0.3 MILE WEST OF RUNGE ROAD, 4 MILES NE OF DIXON.

**Detailed Location:**  
 2004 NEST LOCATED ON THE EAST SIDE OF THE WEST OF TWO PALMS, AT THE BASE OF THE LIVE LEAVES. 2005 NEST WAS A BLACK WALNUT BETWEEN THE NEW HOUSE AND THE OCCUPIED MOBILE HOME.

**Ecological:**  
 NEST TREE WAS A BLACK WALNUT; NEW HOUSE CONSTRUCTION WAS COMPLETE BEFORE 1 MAR 2004, WHEN THE SWHA BEGIN ARRIVING.

**Threats:**  
**General:**  
 THIS SITE WAS SUSPECTED AS A NEST SITE IN PRIOR YEARS BUT NEVER CONFIRMED. NEST WITH 1 DOWNY CHICK OBSERVED ON 22 MAY 2002. NEST MONITORED 19 MAR-2 AUG 2004; 1 FLEDGED, PLUS 1 UNHATCHED EGG. NEST MONITORED 1 APR-11 AUG 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 32 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261506 E606917	<b>Latitude/Longitude:</b> 38.49550 / -121.77394	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - RES04F0075 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-02
  - RES05F0161 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 57403  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1385

**EO Index:** 57419  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-04  
**Last Survey Date:** 2005-08-04  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

EAST SIDE OF RUNGE ROAD, 0.2 MILE NORTH OF VAUGHN ROAD, 3.2 MILES ENE OF DIXON.

**Detailed Location:**

2004 NEST TREE LOCATED AT THE 95% HEIGHT OF THE WESTMOST OF 3 BLACK WALNUTS, ON THE WEST EDGE OF A COMPLEX, JUST NORTH OF THE DRIVEWAY.

**Ecological:**

NEST TREE WAS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

**Threats:**

**General:**

NEST MONITORED 15 MAY-12 AUG 2004; FIRST SEEN ON 15 MAY 2004, AND ADULT SITTING TIGHT ON NEST ON 17 JUN 2004 (OUTCOME UNKNOWN). NEST MONITORED 24 APR-4 AUG 2005; 1 FLEDGED.

**PLSS:** T07N, R02E, Sec. 09 (M)  
**UTM:** Zone-10 N4258789 E607704

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.47092 / -121.76534

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

Solano

**Quad Summary:**

Dixon (3812147)

**Sources:**

- RES04F0081 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-12
- RES05F0155 RESSEGUIE, L. (UNIVERSITY OF CALIFORNIA, BERKELEY) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2005-08-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 58591  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1417

**EO Index:** 58627  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2004-12-14

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2004-06-03  
**Last Survey Date:** 2004-07-23  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

ALONG DITCH RUNNING EAST FROM WILDHORSE GOLF COURSE, AT THE NORTH EDGE OF SHRINER FARM, NE DAVIS.

**Detailed Location:**

2004 NEST TREE WAS A LARGE COTTONWOOD, ON THE SOUTH BANK OF THE SLOUGH, AT THE NORTH BOUNDARY OF THE SHRINER FARMLAND, WHICH HAS BEEN PROPOSED FOR DEVELOPMENT.

**Ecological:**

NEST TREE IS A COTTONWOOD; SURROUNDED BY CULTIVATED LAND TO THE NORTH AND SOUTH.

**Threats:**

THREATENED BY EVENTUAL DEVELOPMENT OF THE ADJACENT SHRINER FARM.

**General:**

NEST SITE MONITORED 22 APR-23 JUL 2004; PAIR OBSERVED IN PRESUMED NEST TREE ON 3 JUN 2004 COPULATING THERE ON 22 APR 2004 (NEST SUCCESS UNKNOWN).

**PLSS:** T08N, R02E, Sec. 01 (M)  
**UTM:** Zone-10 N4270144 E612248

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.57266 / -121.71144

**Area (acres):** 0  
**Elevation (feet):** 30

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

RES04F0151 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-23



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62291  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1435

**EO Index:** 62328  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2005-07-21  
**Last Survey Date:** 2005-07-21  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 0.35 MILE WEST OF ROBBEN ROAD, NORTH OF THE RAILROAD TRACK, 3 MILES NE OF DIXON.

**Detailed Location:**  
 RESSEGUIE'S DIXON 101. NEST TREE WAS LOCATED AT THE EDGE OF ADAMS GRAIN PROPERTY. NEST WAS LOCATED AT THE 95% HEIGHT OF THE TALLEST TREE IN THE SOUTH GROUP OF A NORTH-SOUTH GROUP OF EUCALYPTUS.

**Ecological:**  
 NEST TREE IS A BLUE GUM (EUCALYPTUS); SURROUNDED BY ALFALFA TO THE WEST AND SOUTH AND CULTIVATED LAND TO THE NORTH.

**Threats:**  
**General:**  
 NEST MONITORED 21 JUN-21 JUL 2005; 1 FLEDGED.

<b>PLSS:</b> T07N, R02E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260575 E605156	<b>Latitude/Longitude:</b> 38.48732 / -121.79427	<b>Elevation (feet):</b> 60

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Dixon (3812147)
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**Sources:**  
 RES05F0002 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-07-21



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62294  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1438

**EO Index:** 62331  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               IUCN\_LC-Least Concern  
                               USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2005-08-01  
**Last Survey Date:** 2005-08-01  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 ALONG THE NORTH SIDE OF THE KIDWELL FARMS EAST-WEST DIRT ROAD, 2.5 MILES SW OF DAVIS.

**Detailed Location:**  
 RESSEGUIE'S MERRITT 91. NEST WAS LOCATED AT THE 90% HEIGHT, ON THE NW SIDE, OF AN ISOLATED ALMOND TREE, AT THE EDGE OF A DIRT FARM ROAD.

**Ecological:**  
 NEST TREE IS AN ALMOND.

**Threats:**  
**General:**  
 NEST MONITORED 22 JUN-1 AUG 2005; 1 CHICK OBSERVED, BUT NONE FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263759 E605608	<b>Latitude/Longitude:</b> 38.51595 / -121.78861	<b>Elevation (feet):</b> 65

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 RES05F0005    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62295  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1439

**EO Index:** 62332  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-06  
**Last Survey Date:** 2005-08-06  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

ALONG THE EAST SIDE OF OLD DAVIS ROAD, 0.25 MILE NORTH OF TREMONT ROAD, 3 MILES SOUTH OF DAVIS.

**Detailed Location:**

RESSEGUIE'S MERRITT 93. NEST WAS LOCATED AT THE 90% HEIGHT OF THE FIRST ROADSIDE TREE NORTH OF THE ENTRY ROAD; VISIBLE ONLY FROM THE WEST OR DIRECTLY BELOW.

**Ecological:**

NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

**Threats:**

**General:**

NEST MONITORED 23 APR-6 AUG 2005; 1 FLEDGED.

**PLSS:** T08N, R02E, Sec. 33 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4261965 E608172

**Latitude/Longitude:** 38.49948 / -121.75949

**Elevation (feet):** 50

**County Summary:**

Solano

**Quad Summary:**

Dixon (3812147), Merritt (3812157)

**Sources:**

RES05F0006 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-06



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62302  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1446

**EO Index:** 62339  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-07-18  
**Last Survey Date:** 2005-07-18  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 NORTH SIDE OF BECKER ROAD, 0.75 MILE EAST OF OLD DAVIS ROAD, 2.5 MILES SOUTH OF DAVIS.

**Detailed Location:**  
 RESSEGUIE'S DAVIS 40. NEST TREE WAS LOCATED AT THE #7745 FARMSTEAD. NEST WAS LOCATED AT THE 80% HEIGHT OF THE BLUE GUM EUCALYPTUS AT THE NW CORNER.

**Ecological:**  
 NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CULTIVATED ALL AROUND, EXCEPT FOR FARMSTEADS WITH TREES TO THE SE.

**Threats:**  
**General:**  
 NEST MONITORED 17 MAR-18 JUL 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 27 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262427 E609652	<b>Latitude/Longitude:</b> 38.50346 / -121.74244	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Davis (3812156)

**Sources:**  
 RES05F0013 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-07-18



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 62350	<b>EO Index:</b> 62387
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1457	<b>Occurrence Last Updated:</b> 2005-08-18

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-08-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-12	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT-KIDWELL FARMS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
1.1 MILES SW OF THE I-80 CROSSING OVER THE SOUTH FORK OF PUTAH CREEK, SW OF DAVIS.

**Detailed Location:**  
DOUBLE ROW OF BLACK WALNUTS WITH DITCH BETWEEN ROWS. SECOND NEST TREE HAS A POWER POLE RISING WITHIN ITS BRANCHES.

**Ecological:**  
NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE EAST AND WEST.

**Threats:**  
**General:**  
SITE SUSPECTED, BUT NOT CONFIRMED, AS A NEST SITE IN 2004. NEST(S) MONITORED 25 APR-12 AUG 2005; FIRST NEST HAD AN ADULT ON NEST ON 12 MAY, BUT DESERTED BY 3 JUN 2005. SECOND NEST FLEDGED 1.

<b>PLSS:</b> T08N, R02E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263148 E605451	<b>Latitude/Longitude:</b> 38.51046 / -121.79050	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
RES05F0026 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-12



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62354  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1458

**EO Index:** 62391  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2005-08-12  
**Last Survey Date:** 2005-08-12  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Excellent  
**Trend:** Unknown

**Location:**  
 JUST WEST OF THE I-80/KIDWELL EXIT, SW OF DAVIS.

**Detailed Location:**  
 NEST LOCATED AT THE 95% HEIGHT, ON THE WEST SIDE, OF THE NEST TREE, A BLACK WALNUT.

**Ecological:**  
 NEST TREE IS A MUTILATED BLACK WALNUT.

**Threats:**  
**General:**  
 ADULTS OBSERVED PERCHING ON THIS TREE FOR SEVERAL YEARS, BUT INTERPRETED THIS AS A HUNTING PERCH. NEST MONITORED 12 MAY-12 AUG 2005; 1 FLEDGED.

<b>PLSS:</b> T08N, R02E, Sec. 30 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4262461 E605468	<b>Latitude/Longitude:</b> 38.50427 / -121.79041	<b>Elevation (feet):</b> 55

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 RES05F0027    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-12



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 62466	<b>EO Index:</b> 62503	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 1474	<b>Occurrence Last Updated:</b> 2005-09-01	

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2005-08-21	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-21	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
NORTH SHOULDER OF TREMONT ROAD, 0.3 MILE NORTH OF MILLER ROAD, 4 MILES SE OF DAVIS.

**Detailed Location:**  
NEST LOCATED AT THE 90% HEIGHT OF THE WESTMOST SMALL, MUTILATED BLACK WALNUT.

**Ecological:**  
NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND RUDERAL TO THE NORTH.

**Threats:**

**General:**  
NEST MONITORED 19 JUN-21 AUG 2005; ADULT SEEN ON NEST 20 JUN 2005, BUT NO CHICK DETECTED.

<b>PLSS:</b> T08N, R02E, Sec. 36 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261546 E613417	<b>Latitude/Longitude:</b> 38.49505 / -121.69942	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Saxon (3812146)

**Sources:**  
RES05F0042    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2005-08-21



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 70481  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1709

**EO Index:** 71375  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-16

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened

**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2006-06-XX  
**Last Survey Date:** 2006-06-XX  
**Owner/Manager:** PVT, CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

DAVIS, FROM CATALINA DR AT DEL ORO PLACE TO COVELL PARK, BETWEEN BALBOA AVENUE AND CABRILLO AVENUE.

**Detailed Location:**

1994: NEST AT 377 DEL ORO, TERRITORY #YO174 FROM CDFW DATABASE. 1999: INITIAL NEST AT CATALINA AND DEL ORO WAS ABANDONED; 2ND NEST VERY LIKELY IN '94 LOCATION. 2006: NEST WAS LOCATED IN A PINE IN THE "COMMEMORATIVE GROVE" IN COVELL PARK.

**Ecological:**

1994: NEST IN PINE. 1999: FIRST NEST IN REDWOOD ON SUBURBAN STREET CORNER. SECOND NEST NEARBY, IN STREET-SIDE PINE. 2006: NEST TREE IS A PINE WITHIN A CITY GREENBELT AREA; SURROUNDED BY RESIDENTIAL HOUSING.

**Threats:**

**General:**

1994: NEST WITH PAIR AND 2 YOUNG OBSERVED IN 1994. 1999: BOTH NESTS FAILED; OBSERVER REPORTED MOBBING BY KESTRELS AND WHITE-TAILED KITES. NESTING OBSERVED WITH 2 YOUNG IN THE NEST DURING JUNE 2006.

**PLSS:** T08N, R02E, Sec. 04 (M)      **Accuracy:** specific area      **Area (acres):** 19  
**UTM:** Zone-10 N4269297 E608949      **Latitude/Longitude:** 38.56545 / -121.74944      **Elevation (feet):** 50

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**

- BRO99U0005 BROCKSEN, L. - EMAIL TO BIRDING@MOTHER.COM CENTRAL VALLEY BIRDING LISTSERVE, REGARDING SWAINSON'S HAWK NEST SITE IN NORTH DAVIS. 1999-07-21
- DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
- JAC06A0001 JACKMAN, J. (THE DAVIS ENTERPRISE) - ARTICLE FROM THE DAVIS ENTERPRISE (NEWSPAPER), ENTITLED "OUTDOOR SUMMER FUN COMES INTO FOCUS." 2006-06-25



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 87871  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1944

**EO Index:** 88890  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-02-26

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2006-08-01  
**Last Survey Date:** 2006-08-01  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 HUTCHISON DRIVE JUST WEST OF SAGE STREET INTERSECTION, ABOUT 0.5 MILES SW OF HWY 113 AT RUSSELL BLVD, DAVIS.

**Detailed Location:**  
 MAPPED TO UTMS GIVEN ON FIELD SURVEY FORM, RESSEGUIE SITE MERRITT 102.

**Ecological:**  
 NEST AT 95% HEIGHT ON NORTH SIDE OF MIDDLE TREE IN ROW OF 5 DECIDUOUS TREES ON SOUTH SHOULDER OF HUTCHISON DR. JUDGING FROM 2009-2012 AERIAL PHOTOS, THIS TREE WAS REMOVED IN 2009, AND SURROUNDING LAND WAS DEVELOPED.

**Threats:**  
 TREE REMOVAL & DEVELOPMENT ARE REDUCING NESTING & FORAGING HABITAT IN AREA; 2006 NEST TREE REMOVED AS PER 2009 AERIALS.

**General:**  
 ADULT OBSERVED CARRYING FOOD TO NEST ON 14 JUL & 1 AUG 2006.

<b>PLSS:</b> T08N, R02E, Sec. 17 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266367 E606976	<b>Latitude/Longitude:</b> 38.53929 / -121.77252	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**  
 RES06F0065    RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 87873  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1945

**EO Index:** 88892  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-02-26

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ALONG SOUTH PUTAH CREEK ABOUT 0.2 MILES EAST OF I-80, SOUTH OF DAVIS.

**Detailed Location:**  
 MAPPED TO COORDINATES FROM CDFW DATABASE OF 2000-2004 NEST RECORDS AND SITE YO-234 FROM ESTEP, 2008.

**Ecological:**  
 2003: NEST IN 40' COTTONWOOD WITHIN RIPARIAN CORRIDOR. 2007: NEST IN SAME/ADJACENT TREE.

**Threats:**  
**General:**  
 NEST WITH 1 PARTIALLY-FEATHERED YOUNG OBSERVED 3 JUN 2003. ACTIVE NEST OBSERVED IN 2007, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 28 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263922 E607434	<b>Latitude/Longitude:</b> 38.51721 / -121.76765	<b>Elevation (feet):</b> 70

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 87889	<b>EO Index:</b> 88917
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1951	<b>Occurrence Last Updated:</b> 2013-01-15

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2006-08-15	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2006-08-15	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WEST SIDE OF PEDRICK RD, ABOUT 0.4 MI S OF HUTCHISON DRIVE INTERSECTION & 0.5 MI N OF PUTAH CREEK CROSSING; SW OF DAVIS.

**Detailed Location:**  
MAPPED TO UTMS PROVIDED ON FIELD SURVEY FORM, RESSEGUE SITE MERRITT 96. NEST TREE WAS "FIRST TREE SOUTH OF ENTRANCE TO UC DAVIS LANDFILL ON WEST SHOULDER OF ROAD 98 0.3 MILE SOUTH OF HUTCHISON."

**Ecological:**

**Threats:**

**General:**

NESTING SWAINSON'S HAWK OBSERVED OVER 11 VISITS BETWEEN 23 MAR TO 15 AUG 2006; NO YOUNG RECORDED.

<b>PLSS:</b> T08N, R02E, Sec. 18 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265703 E604306	<b>Latitude/Longitude:</b> 38.53362 / -121.80325	<b>Elevation (feet):</b> 65

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**  
RES06F0051    RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2006-08-15



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 87896  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1954

**EO Index:** 88923  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-17

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1994-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ALONG W 8TH STREET BETWEEN SYCAMORE LANE AND MULBERRY LANE, WEST DAVIS.

**Detailed Location:**  
 1990: MAPPED TO LOCATION INDICATED ON FIELD SURVEY FORM. 1993: TERRITORY #YO191 FROM CDFW DATABASE OF 1979-1994 SWAINSON'S HAWK OBSERVATIONS; SAME LOCATION AS 1990. 1994: NEST IN BACKYARD OF 788 MULBERRY ST.

**Ecological:**  
 1990: NEST HIGH UP IN TREE ON PRIVATE PROPERTY (SP. EITHER EUCALYPTUS OR PINE), VISIBLE FROM CHERRY LN CULDESAC. 1993: NEST 79' UP IN CONIFER IN FRONT YARD OF HOUSE ON CORNER OF SYCAMORE & 8TH ST-SAME/ADJACENT TREE. 1994: NEST IN FIR.

**Threats:**  
**General:**  
 NESTING PAIR WITH 2 FLEDGLINGS OBSERVED IN AUG 1990. PAIR OBSERVED INCUBATING IN 1993, BUT NEST LATER ABANDONED. NEST WITH PAIR & 1 YOUNG OBSERVED IN 1994.

<b>PLSS:</b> T08N, R02E, Sec. 09 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4267747 E607682	<b>Latitude/Longitude:</b> 38.55164 / -121.76421	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**  
 DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX  
 SHA90F0002 SHAW, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR BUTEO SWAINSONI 1990-08-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 87933  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1958

**EO Index:** 88941  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-22

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2002-06-25  
**Last Survey Date:** 2002-06-25  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ABOUT 1.2 MI ESE OF I-80 AT SOUTH FORK PUTAH CREEK, 1.2 MI NW OF EGGERT RD AT BECKER RD, S OF DAVIS.

**Detailed Location:**  
 FROM CDFW DATABASE OF 2000-2004 NEST RECORDS.

**Ecological:**  
 NEST IN 50' EUCALYPTUS SURROUNDED BY CROPLAND.

**Threats:**  
**General:**  
 NEST WITH 1 DOWNY YOUNG OBSERVED 25 JUN 2002.

<b>PLSS:</b> T08N, R02E, Sec. 28 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263432 E608968	<b>Latitude/Longitude:</b> 38.51260 / -121.75013	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Davis (3812156)

**Sources:**  
 DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 87957	<b>EO Index:</b> 88964
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1960	<b>Occurrence Last Updated:</b> 2013-01-18

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
 OLD DAVIS ROAD AT RAILROAD CROSSING, ABOUT 0.4 MI S OF I-80 INTERSECTION AND 0.4 MI N OF S FORK PUTAH CREEK.

**Detailed Location:**  
 MAPPED TO COORDINATES FOR SITE YO-231 FROM ESTEP, 2008.

**Ecological:**  
 NEST IN DEODAR CEDAR AT RURAL RESIDENCE.

**Threats:**  
**General:**  
 ACTIVE NEST OBSERVED DURING 2007 SURVEY; NEST SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 21 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4264530 E608354	<b>Latitude/Longitude:</b> 38.52257 / -121.75701	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 87968  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1961

**EO Index:** 88973  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-18

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UC-DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 PUTAH CREEK RIPARIAN RESERVE, ABOUT 0.5 MI NW OF CO RD 98 (PEDRICK RD) BRIDGE OVER PUTAH CREEK.

**Detailed Location:**  
 TERRITORY #YO164 FROM CDFW DATABASE OF 1979-1994 SWAINSON'S HAWK OBSERVATIONS. MAPPED TO COORDINATES FOR SITE YO-244 FROM 2008 ESTEP REPORT.

**Ecological:**  
 1993-94: NEST IN WILLOW IN RIPARIAN HABITAT SURROUNDING FENCED POND AT "UCD ECOSYSTEM." 2007: NEST IN LONE VALLEY OAK.

**Threats:**  
**General:**  
 NEST WITH PAIR AND 1 YOUNG OBSERVED IN 1993 AND 1994. ACTIVE NEST OBSERVED DURING 2007 SURVEY, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R01E, Sec. 24 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265347 E603636	<b>Latitude/Longitude:</b> 38.53049 / -121.81099	<b>Elevation (feet):</b> 70

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**

DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 87969  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1962

**EO Index:** 88974  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-18

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                              **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                      IUCN\_LC-Least Concern  
                      USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
ABOUT 0.25 MI SW OF APIARY DR AT HOPKINS RD & 0.6 MI NE OF PEDRICK RD BRIDGE AT PUTAH CREEK, JUST W OF THE UCD AIRPORT.

**Detailed Location:**  
MAPPED TO COORDINATES FOR SITE YO-242 FROM ESTEP 2008 REPORT AT "C MERRITT AVIAN SCIENCES LAB."

**Ecological:**  
NEST IN WALNUT; ADJACENT LAND USE CHARACTERIZED AS RURAL RESIDENTIAL.

**Threats:**  
**General:**  
NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 19 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265461 E605130	<b>Latitude/Longitude:</b> 38.53134 / -121.79384	<b>Elevation (feet):</b> 65

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**  
EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88014  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1985

**EO Index:** 89055  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-25

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-04-29  
**Last Survey Date:** 2009-04-29  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 ALONG CO RD 101A (& RR TRACKS), ABOUT 0.4-0.7 MI S OF CO RD 29, N OF DAVIS.

**Detailed Location:**  
 TWO NEST SITES: SOUTH SITE ALONG DRIVEWAY, ACTIVE 2003 & 2007, MAPPED TO COORDINATES FOR SITE YO-225 FROM 2008 ESTEP REPORT. NORTH SITE ALONG ROAD, ACTIVE 2009, FROM CDFW SHAPEFILE OF '09 NEST RECORDS.

**Ecological:**  
 2003 NEST IN TREE CODED AS "OTHER EXOTIC" (NOT WALNUT OR EUCALYPTUS) WITH CROPS TO N & FALLOW LAND S. 2007 NEST IN WALNUT IN A TREE ROW, SURROUNDING HABITAT WAS IRRIGATED CROPLAND/RAILROAD. 2009 NEST IN 70' COTTONWOOD SURROUNDED BY ALFALFA.

**Threats:**  
**General:**  
 1 FLEDGED FROM NEST IN 2003. NEST WITH 2 YOUNG OBS DURING 2007 SURVEY. NEST WITH YOUNG OBS ON 29 APR 2009.

**PLSS:** T09N, R02E, Sec. 33 (M)      **Accuracy:** specific area      **Area (acres):** 10  
**UTM:** Zone-10 N4270856 E608796      **Latitude/Longitude:** 38.57951 / -121.75095      **Elevation (feet):** 45

**County Summary:** Yolo      **Quad Summary:** Davis (3812156), Merritt (3812157)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG09D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - SHAPEFILE OF SWAINSON'S HAWK NEST RECORDS FROM 2009. 2009-XX-XX
  - EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 88035  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1986

**EO Index:** 89058  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                              **State:** Threatened  
**CNDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                      IUCN\_LC-Least Concern  
                      USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
SOUTH OF DAVIS, ABOUT 0.9 MI SE OF W CHILES RD AT HAMEL LN, 1.8 MI WNW OF MACE BLVD AT SOUTH FORK PUTAH CREEK.

**Detailed Location:**  
MAPPED TO COORDINATES FOR SITE YO-300 FROM 2008 ESTEP REPORT.

**Ecological:**  
NEST IN LONE VALLEY OAK IN IRRIGATED CROPLAND.

**Threats:**  
**General:**  
ACTIVE NEST OBSERVED DURING 2007 SURVEY; SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 23 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265088 E610948	<b>Latitude/Longitude:</b> 38.52727 / -121.72716	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Davis (3812156)

**Sources:**  
EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88036  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1987

**EO Index:** 89059  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

ALONG DRUMMOND LN, ABOUT 1.2 MI NW OF MACE BLVD (COUNTY RD 104) AT SOUTH FORK PUTAH CREEK; SOUTH OF DAVIS.

**Detailed Location:**

TERRITORY #YO246 FROM CDFW DATABASE OF 1979-1994 SWAINSON'S HAWK OBSERVATIONS AT "1 MI WEST OF CO RD 104, 0.7 MI NORTH OF PUTAH CREEK;" EXACT LOCATION UNKNOWN. MAPPED TO COORDINATES FROM 2008 ESTEP REPORT FOR SITE YO-299.

**Ecological:**

1994 NEST IN FARMYARD VALLEY OAK IN REMNANT OAK GROVE. 2007 NEST IN VALLEY OAK ADJACENT TO RURAL RESIDENCE, SURROUNDED BY IRRIGATED CROPLAND.

**Threats:**

**General:**

NEST WITH 1 YOUNG OBSERVED IN 1994. ACTIVE NEST OBSERVED DURING 2007 SURVEY, SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 23 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4265145 E611980	<b>Latitude/Longitude:</b> 38.52766 / -121.71532	<b>Elevation (feet):</b> 40

**County Summary:**

Solano

**Quad Summary:**

Davis (3812156)

**Sources:**

DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 88037	<b>EO Index:</b> 89060
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1988	<b>Occurrence Last Updated:</b> 2013-04-09

<b>Scientific Name:</b> <i>Buteo swainsoni</i>	<b>Common Name:</b> Swainson's hawk
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> Threatened	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	IUCN_LC-Least Concern
<b>Global:</b> G5	USFWS_BCC-Birds of Conservation Concern
<b>State:</b> S3	

<b>General Habitat:</b> BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.	<b>Micro Habitat:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
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<b>Last Date Observed:</b> 2007-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK PUTAH CREEK, ABOUT 0.8 MI E OF OLD DAVIS RD AT LEVEE RD, S OF DAVIS.

**Detailed Location:**  
VICINITY OF TERRITORY #YO250 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE; DESCRIPTION INDICATES "NORTH SIDE PUTAH CK, 1 MI WEST OF OLD DAVIS RD," BUT TRS PROVIDED WAS SEC 27. MAPPED TO COORDINATES FOR SITE YO-169 FROM 2008 ESTEP REPORT.

**Ecological:**  
1993 NEST IN RIPARIAN COTTONWOOD SURROUNDED BY AGRICULTURE. 2007 NEST IN RIPARIAN EUCALYPTUS SURROUNDED BY IRRIGATED CROPLAND.

**Threats:**  
**General:**  
NEST WITH PAIR AND 2 YOUNG OBSERVED IN 1993. NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY.

<b>PLSS:</b> T08N, R02E, Sec. 22 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263984 E609671	<b>Latitude/Longitude:</b> 38.51749 / -121.74198	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Davis (3812156)
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**Sources:**

DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88038  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1989

**EO Index:** 89061  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 VICINITY OF NORTH FORK PUTAH CREEK AT I-80 CROSSING, IN DAVIS.

**Detailed Location:**  
 1986-94: TERRITORIES #YO230 & YO231 FROM CDFW DATABASE. MAPPED TO 2003 NEST SITE FROM CDFW NEST RECORDS (ON W CHILES RD S OF THE CREEK) & 2007 NEST SITES FROM '08 ESTEP REPORT (YO-302 AT PUTAH CREEK ON W SIDE I-80, & YO-301 ON E SIDE I-80).

**Ecological:**  
 1986: CREEKSIDE NEST IN OAK. 1994: CREEKSIDE NEST IN VALLEY OAK; NEST FURTHER S ON CHILES RD IN WALNUT. 2003: NEST IN 40' BLACK WALNUT IN CORNER OF A PRIVATE PROPERTY. 2007: W NEST IN RIPARIAN COTTONWOOD, E NEST IN RIPARIAN VALLEY OAK.

**Threats:**  
**General:**  
 NEST WITH 1 YOUNG OBSERVED IN 1986. NESTING PAIR IN 1987. FORAGING SWHA OBS 1988, & 1992. 2 ACTIVE NESTS, EACH WITH 2 YOUNG IN 1994. NEST W/1 YOUNG OBS ON 29 MAY 2003. W NEST ACTIVE IN 2007; SUCCESS UNKNOWN. 2 YOUNG OBS IN E NEST IN 2007.

<b>PLSS:</b> T08N, R02E, Sec. 15 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 15
<b>UTM:</b> Zone-10 N4266150 E610312	<b>Latitude/Longitude:</b> 38.53693 / -121.73429	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Davis (3812156)

**Sources:**

DFG05U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
DFG94U0003	DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
EST08R0001	ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88040  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1990

**EO Index:** 89063  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2007-XX-XX  
**Last Survey Date:** 2007-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

ABOUT 0.9 MILES SSE OF I-80 AT MACE BLVD, 1.4 MI SW OF WEBSTER, E OF DAVIS.

**Detailed Location:**

2004 DETECTION FROM CDFW DATABASE OF 2000-2004 NEST RECORDS. MAPPED TO COORDINATES FOR SITE YO-161 FROM 2008 ESTEP REPORT.

**Ecological:**

2003 NEST IN 30' WALNUT. 2007 NEST IN FARMYARD WALNUT SURROUNDED BY ALFALFA AND IRRIGATED CROPS.

**Threats:**

**General:**

PAIR OBSERVED FLYING TO NEST 24 JUN 2004; SURVEYOR WAS UNABLE TO SEE YOUNG (DISTANCE TOO GREAT). NEST WITH 1 YOUNG OBSERVED DURING 2007 SURVEY.

**PLSS:** T08N, R03E, Sec. 17 (M)  
**UTM:** Zone-10 N4267200 E615934

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.54567 / -121.66962

**Area (acres):** 0  
**Elevation (feet):** 30

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
- EST08R0001 ESTEP ENVIRONMENTAL CONSULTING - THE DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF THE SWAINSON'S HAWK IN YOLO COUNTY, CALIFORNIA. 2008-03-XX





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88069  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1993

**EO Index:** 89087  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-02-28

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 2010-06-24  
**Last Survey Date:** 2012-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF COUNTY ROAD 103, ABOUT 0.6 MILES NORTH OF COUNTY ROAD 28H INTERSECTION, NE OF DAVIS.

**Detailed Location:**  
 MAPPED TO PROVIDED COORDINATES.

**Ecological:**  
 NEST IN ROW OF SMALL BLACK LOCUST TREES ALONG THE WEST SIDE OF CO RD 103, QUITE LOW FOR A SWAINSON'S HAWK. IN 2010 AFTER THE NESTING SEASON, THE LOCUSTS WERE PRUNED FOR POWER LINE CLEARANCE, MAKING THEM UNSUITABLE FOR NESTING.

**Threats:**  
 SEVERE TREE PRUNING HAS REDUCED AVAILABLE NESTING HABITAT.

**General:**  
 NEST WITH PAIR & 1 YOUNG OBSERVED 24 JUN 2010. NO ACTIVE NEST IN 2011 OR 2012.

<b>PLSS:</b> T09N, R02E, Sec. 26 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4273060 E612188	<b>Latitude/Longitude:</b> 38.59894 / -121.71165	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

WHI10F0010	WHISLER, E. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2010-06-24
WHI13U0001	WHISLER, E. - EMAIL COMMUNICATIONS REGARDING NESTING SWAINSON'S HAWKS ALONG COUNTY ROAD 103 NORTH OF WILLOW SLOUGH BYPASS. 2013-01-30



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88073  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1994

**EO Index:** 89091  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-30

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**  
**Federal:** None  
**State:** Threatened  
**CNDDB Element Ranks:**  
**Global:** G5  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2000-07-13  
**Last Survey Date:** 2000-07-13  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 WEST SIDE OF CHESTNUT LANE JUST SOUTH OF DREXEL DRIVE, JUST NW OF CHESTNUT PARK IN DAVIS.

**Detailed Location:**  
 1979 NEST AT TERRITORY YO003 FROM CDFW SWHA OBSERVATIONS DATABASE, AT 1101 CHESTNUT LN. MAPPED TO COORDINATES GIVEN FOR 2000 NEST TREE, FROM 2000-2004 CDFW NEST RECORDS.

**Ecological:**  
 1979-1980 NEST IN 50' COTTONWOOD IN YARD OF RESIDENCE; TREE WAS TRIMMED IN 1981 RENDERING IT UNSUITABLE FOR NESTING. 2000 NEST IN 90' COTTONWOOD. SURROUNDINGS WERE RESIDENTIAL.

**Threats:**  
**General:**  
 NEST FLEDGED 2 IN 1979. NEST STILL PRESENT IN 1980, MAY HAVE BEEN OCCUPIED EARLY IN SEASON BUT LATER ABANDONED. SITE INACTIVE IN 1981. ACTIVE NEST REPORTED, OBSERVED IN 2000; NEST SUCCESS UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268380 E610548	<b>Latitude/Longitude:</b> 38.55699 / -121.73123	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

- Sources:**
- DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX
  - DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX
  - STO00F0014 STOWERS, C. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2000-07-13



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 88074  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1995

**EO Index:** 89092  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-31

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                               **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 1994-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 VICINITY OF 618 F STREET IN DAVIS.

**Detailed Location:**  
 MAPPED TO ADDRESS GIVEN FOR TERRITORY YO197 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE.

**Ecological:**  
 NEST IN CONIFER IN RESIDENTIAL NEIGHBORHOOD.

**Threats:**  
**General:**  
 ACTIVE NEST OBSERVED IN 1994; NUMBER OF YOUNG UNKNOWN.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267509 E609684	<b>Latitude/Longitude:</b> 38.54925 / -121.74128	<b>Elevation (feet):</b> 45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 88695  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 2235

**EO Index:** 89711  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-04-09

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                              **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                      IUCN\_LC-Least Concern  
                      USFWS\_BCC-Birds of Conservation Concern

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

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

**Last Date Observed:** 1994-XX-XX  
**Last Survey Date:** 1994-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
VICINITY OF HUTCHISON DRIVE JUST NORTH OF THE UC DAVIS AIRPORT, ABOUT 1 MILE SW OF HWY 113 AT RUSSELL BLVD.

**Detailed Location:**  
MAPPED TO TRS GIVEN FOR TERRITORY #YO233 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE.

**Ecological:**  
NEST IN LONE SYCAMORE TREE AT NORTH END OF UCD AIRPORT.

**Threats:**  
**General:**  
NEST WITH PAIR AND 2 YOUNG OBSERVED IN 1994.

<b>PLSS:</b> T08N, R02E, Sec. 17 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266282 E605838	<b>Latitude/Longitude:</b> 38.53866 / -121.78559	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**  
DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 89296  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 2382

**EO Index:** 90290  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-05-29

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

**Listing Status:**       **Federal:** None  
                              **State:** Threatened  
**CNDDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
                      IUCN\_LC-Least Concern  
                      USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2003-05-29  
**Last Survey Date:** 2003-05-29  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

PUTAH CREEK ABOUT 0.2 MILES SW OF MONTGOMERY AVENUE AT DRUMMOND LANE, SE OF I-80 IN DAVIS.

**Detailed Location:**

MAPPED TO LOCATION FROM CDFW 2000-2004 NEST RECORDS ALONG "OLD PUTAH CREEK CHANNEL, ALONG BIKE PATH."

**Ecological:**

NEST IN WALNUT.

**Threats:**

**General:**

NEST WITH 1 PARTIALLY-FEATHERED YOUNG OBSERVED 29 MAY 2003.

**PLSS:** T08N, R02E, Sec. 14 (M)  
**UTM:** Zone-10 N4266176 E611944

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.53696 / -121.71557

**Area (acres):** 0  
**Elevation (feet):** 45

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10786	<b>EO Index:</b> 25478	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNSB10010	
<b>Occurrence Number:</b> 29	<b>Occurrence Last Updated:</b> 2008-04-07	

<b>Scientific Name:</b> <i>Athene cucularia</i>	<b>Common Name:</b> burrowing owl
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_LC-Least Concern
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	<b>Micro Habitat:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.
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<b>Last Date Observed:</b> 1986-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2003-05-05	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> AUDUBON-DAVIS CHAPTER	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
2 MI N OF DAVIS ON ROAD 102, WEST SIDE, IN VICINITY OF OLD SEWER PONDS.

**Detailed Location:**

**Ecological:**  
AREA IS COMPRISED OF ROW CROPS SEPARATED BY HEDGE ROWS.

**Threats:**

**General:**

3-5 PAIRS OBSERVED FROM 1978-83 BY BARROWS AND BOEKELHEIDE; ONE PAIR OBSERVED BY JOHNSON IN 1986. OWLS WERE NOT OBSERVED ON 5 MAY 2003.

<b>PLSS:</b> T09N, R02E, Sec. 34 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4271688 E610177	<b>Latitude/Longitude:</b> 38.58684 / -121.73497	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	Davis (3812156)
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- Sources:**
- BAR83U0002 BARROWS, C. - LETTER TO JULES EVENS (PRBO) DETAILING BURROWING OWL SITES IN DAVIS AND ORANGE COUNTY. 1983-XX-XX
  - BOE83U0001 BOEKELHEIDE, B. - BURROWING OWL NEST SITE LOCATIONS 1983-XX-XX
  - HOL03F0004 HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05
  - JOH88U0001 JOHNSON, B. - JOHNSON'S PERSONAL DATA FOR BURROWING OWL. 1988-10-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 10720  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 30

**EO Index:** 25479  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 1999-08-12

**Scientific Name:** *Athene cucularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDB Element Ranks:** **Global:** G4  
                               **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_SSC-Species of Special Concern  
                               IUCN\_LC-Least Concern  
                               USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**

SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 1988-XX-XX  
**Last Survey Date:** 1988-XX-XX  
**Owner/Manager:** UC-DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Decreasing

**Location:**

WEST SIDE OF UNIVERSITY OF CALIFORNIA, DAVIS CAMPUS.

**Detailed Location:**

**Ecological:**

**Threats:**

THREATENED BY DEVELOPMENT.

**General:**

1 PAIR WITH YOUNG OBSERVED IN 1976 & 1977. 22 PAIRS OBSERVED BY J. SCHULTZ IN 1981; ONE PAIR OBSERVED IN 1985; 10 PAIRS OBSERVED IN 1986 AND IN 1987; 8 PAIRS OBSERVED IN 1988 BY B. JOHNSON. POPULATION NUMBERS APPEAR TO BE DECLINING.

<b>PLSS:</b> T08N, R02E, Sec. 16 (M)	<b>Accuracy:</b> 3/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266288 E607749	<b>Latitude/Longitude:</b> 38.53849 / -121.76367	<b>Elevation (feet):</b> 35

**County Summary:**

Solano, Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**

- BAR83U0002    BARROWS, C. - LETTER TO JULES EVENS (PRBO) DETAILING BURROWING OWL SITES IN DAVIS AND ORANGE COUNTY. 1983-XX-XX
- JOH88U0001    JOHNSON, B. - JOHNSON'S PERSONAL DATA FOR BURROWING OWL. 1988-10-XX
- SPE83U0001    SPEAR, L. - LETTER TO JULES EVENS (PRBO) REGARDING BURROWING OWL NEST SITE ON W SIDE OF UC DAVIS CAMPUS. 1983-10-29



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	17302	<b>EO Index:</b>	12166
<b>Key Quad:</b>	Merritt (3812157)	<b>Element Code:</b>	ABNSB10010
<b>Occurrence Number:</b>	112	<b>Occurrence Last Updated:</b>	2008-03-03

<b>Scientific Name:</b>	<i>Athene cunicularia</i>	<b>Common Name:</b>	burrowing owl
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G4 <b>State:</b> S3	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Last Date Observed:</b>	1990-06-30	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1990-06-30	<b>Occurrence Rank:</b>	Good
<b>Owner/Manager:</b>	YOL COUNTY	<b>Trend:</b>	Fluctuating
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ALONG THE NORTH SIDE OF COVELL DRAIN, APPROXIMATELY 0.6 MI WEST OF COUNTY RD 101A, NORTH SIDE OF THE CITY OF DAVIS.

**Detailed Location:**  
 TWO OWLS OBSERVED AT A BURROW SITE AT THE "S" CURVE OF THE DRAIN, FACING SOUTH ON A STEEP BANK.

**Ecological:**  
 HABITAT IS ALONG A FLOOD CONTROL CHANNEL, SURROUNDED BY NON-NATIVE ANNUAL GRASSLAND. MANY GROUND SQUIRRELS FOUND IN THE AREA.

**Threats:**  
 POTENTIAL THREATS INCLUDE DISTURBANCE BY JOGGERS AND DOGS; NEARBY DEVELOPMENT COULD INCREASE THESE DISTURBANCES.

**General:**  
 1989: 2 ADULTS & 4 JUV OBS. 1990: AREA FENCED TO PROTECT PAIR OF BUOW; ADDITIONAL FENCING NEEDED TO COMPLETELY PROTECT THEM. A 2ND NESTING PAIR ABANDONED THEIR NEST SITE, PROBABLY DUE TO DOG/HUMAN DISTURBANCES.

<b>PLSS:</b>	T08N, R02E, Sec. 04 (M)	<b>Accuracy:</b>	1/5 mile	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4269889 E607962	<b>Latitude/Longitude:</b>	38.57090 / -121.76067	<b>Elevation (feet):</b>	45

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)

**Sources:**

BAI89F0001	BAILEY, P. & L. CODY - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1989-07-01
WHI90F0002	WHISLER, E. & J. ESTEP - FIELD SURVEY FORM FOR ATHENE CUNICULARIA BURROW SITE 1990-06-30



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 21012	<b>EO Index:</b> 9167
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNSB10010
<b>Occurrence Number:</b> 131	<b>Occurrence Last Updated:</b> 2003-05-07

<b>Scientific Name:</b> <i>Athene cunicularia</i>	<b>Common Name:</b> burrowing owl
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_LC-Least Concern
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	<b>Micro Habitat:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.
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<b>Last Date Observed:</b> 1992-04-04	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2003-05-05	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
JUST NW OF THE JUNCTION OF MAXWELL LANE AND ROAD 104, APPROXIMATELY 8 MI SOUTH OF DAVIS.

**Detailed Location:**

**Ecological:**  
HABITAT IS AN OPEN, GRASSY FIELD DOMINATED BY WEEDY SPECIES. ALTHOUGH SOMEWHAT DISTURBED, IT IS FAR LESS SO THAN SURROUNDING AGRICULTURAL FIELDS. 5/5/2003 ALFALFA SOUTH, GRASS NORTH, A FEW CATTLE SEEN, DRY RAISED AREA NEAR TROUGH.

**Threats:**  
4/4/1992 - NEIGHBORING LANDOWNER INDICATED THAT THIS SITE IS SCHEDULED FOR DEVELOPMENT. 5/5/2003 NO DEVELOPMENT SEEN.

**General:**  
ALTHOUGH FAIRLY UNDISTURBED, LAND AT THIS SITE MAY BE LIGHTLY GRAZED. IN 1990, TWO FAMILY GROUPS, EACH WITH TWO ADULTS AND AT LEAST TWO YOUNG EACH OBSERVED. IN 1992, THREE ADULT OWLS OBSERVED AT BURROW ENTRANCE. 5/5/2003 NO OWLS WERE SEEN.

<b>PLSS:</b> T07N, R02E, Sec. 01 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4259283 E613549	<b>Latitude/Longitude:</b> 38.47465 / -121.69828	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
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Solano	Saxon (3812146)
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**Sources:**

HUM90F0004	HUMPHREY, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1990-06-30
MCG03F0011	MCGRUFF, D. & C. REINER (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05
YOR92F0001	YORK, R. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1992-04-04



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	24514	<b>EO Index:</b>	6657
<b>Key Quad:</b>	Saxon (3812146)	<b>Element Code:</b>	ABNSB10010
<b>Occurrence Number:</b>	177	<b>Occurrence Last Updated:</b>	2008-03-03

<b>Scientific Name:</b>	<i>Athene cucularia</i>	<b>Common Name:</b>	burrowing owl
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G4 <b>State:</b> S3	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Last Date Observed:</b>	1993-08-09	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2003-05-05	<b>Occurrence Rank:</b>	Fair
<b>Owner/Manager:</b>	DOD-MCCLELLAN AFB	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WEST.

**Detailed Location:**  
BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD. - YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA.

**Ecological:**  
HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA" GRASS WAS HIGH WITH NO SIGN OF DISKING. AG TO EAST.

**Threats:**  
1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.

**General:**  
AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF ENTRY RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.

<b>PLSS:</b>	T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b>	nonspecific area	<b>Area (acres):</b>	607
<b>UTM:</b>	Zone-10 N4261465 E614547	<b>Latitude/Longitude:</b>	38.49418 / -121.68648	<b>Elevation (feet):</b>	25

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Saxon (3812146), Davis (3812156)

**Sources:**

BIT93F0002	BITTMAN, R. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1993-08-09
HUM89F0009	HUMPHREY, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1989-07-03
HUM89F0010	HUMPHREY, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1989-07-03
HUM90F0007	HUMPHREY, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1990-06-30
REI03F0001	REINER, C. & D. MCGRIFF (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 33278	<b>EO Index:</b> 2096
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNSB10010
<b>Occurrence Number:</b> 231	<b>Occurrence Last Updated:</b> 2008-03-03

<b>Scientific Name:</b> <i>Athene cucularia</i>	<b>Common Name:</b> burrowing owl
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_LC-Least Concern
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	<b>Micro Habitat:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.
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<b>Last Date Observed:</b> 1995-04-25	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2003-05-05	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**  
JUST WEST OF THE ROAD 31 EXIT FROM HWY 113, DAVIS.

**Detailed Location:**  
1990 LOCATION GIVEN AS, "E. BOUNDARY OF SUTTER DAVIS HOSPITAL ON RD 99. BURROW AT SETTLING PONDS ON PRIVATE(?) PROPERTY WITHIN CHAIN LINK FENCE, JUST BEYOND HOSPITAL BUILDINGS".

**Ecological:**  
HABITAT CONSISTS OF ANNUAL GRASSLAND/RUDERAL.

**Threats:**  
ENCROACHING DEVELOPMENT.

**General:**  
1 ADULT & 1 UNK AGE BUOW SEEN ON 30 JUN 1990. 2 OBSERVED ON A FENCE ADJACENT TO A HORSE PASTURE; EXACT BURROW LOCATION UNDETERMINED 25 APR 1995. OWLS WERE NOT OBSERVED ON 5 MAY 2003.

<b>PLSS:</b> T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268975 E607196	<b>Latitude/Longitude:</b> 38.56276 / -121.76961	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

JOH90F0023	JOHNSON, B. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 1990-06-30
SAN95F0002	SANDERS, S. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1995-04-25
WAR03F0007	WARENYCIA, D. & L. HOLMES (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 33491  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 238

**EO Index:** 24226  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 1996-09-11

**Scientific Name:** *Athene cucularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** G4  
                               **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_SSC-Species of Special Concern  
                               IUCN\_LC-Least Concern  
                               USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 1996-07-23  
**Last Survey Date:** 1996-07-23  
**Owner/Manager:** CALTRANS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 JUST SOUTH OF SPAULDING ROAD, 0.2 MILE EAST OF PEDRICK ROAD, 2.5 MILES NNE OF DIXON.

**Detailed Location:**  
 BURROWS ARE LOCATED ALONG A CYCLONE FENCE THAT DELINEATES THE SOUTHERN BOUNDARY OF THE CALTRANS MAINTENANCE STATION AND THE TRUCKING YARD ADJACENT TO CALTRANS ON THE EAST.

**Ecological:**  
 SITE IS SURROUNDED BY IRRIGATED AGRICULTURE TO THE SOUTH AND SOUTHWEST.

**Threats:**  
 POSSIBLE THREAT FROM COMMERCIAL DEVELOPMENT OF THE AREA SOUTH OF THE CALTRANS YARD.

**General:**  
 2 ADULTS AND 2 UNKNOWN-AGE OWLS OBSERVED ON 23 JULY 1996.

<b>PLSS:</b> T08N, R02E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 12
<b>UTM:</b> Zone-10 N4260839 E604573	<b>Latitude/Longitude:</b> 38.48977 / -121.80093	<b>Elevation (feet):</b> 60

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

**Sources:**  
 SCO96F0005   SCOONOVER, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1996-07-23



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 44131	<b>EO Index:</b> 44131	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNSB10010	
<b>Occurrence Number:</b> 389	<b>Occurrence Last Updated:</b> 2011-02-18	

<b>Scientific Name:</b> <i>Athene cunicularia</i>	<b>Common Name:</b> burrowing owl
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_LC-Least Concern
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	<b>Micro Habitat:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.
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<b>Last Date Observed:</b> 2000-05-20	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2003-05-05	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WEST SIDE OF BULKLEY ROAD, 1.25 MILES SOUTH OF TREMONT ROAD, 8 MILES SOUTH OF DAVIS.

**Detailed Location:**  
OWL USES TWO BURROWS ON THE WEST SIDE OF BULKLEY ROAD.

**Ecological:**  
HABITAT CONSISTS OF A BURROW AT THE BASE OF A CULVERT AND A BURROW AT THE BERM OF AN IRRIGATION DITCH. 5 MAY 2003 DITCH AND CULVERT STILL PRESENT, HOLES WERE NOTED, UNSURE IF THEY WERE BURROWS. SURROUNDING AREA IS CULTIVATED AGRICULTURE.

**Threats:**  
THREATENED BY CANAL USE AND HOUSE PETS.

**General:**  
SINGLE OWL OBSERVED SEVERAL TIMES; FIRST OBSERVED AT BURROW AT THE BASE OF CULVERT ON 13 JAN 2000 AND AT BERM OF IRRIGATION DITCH BURROW ON 11 FEB 2000. 5 MAY 2003 NO OWLS SEEN.

<b>PLSS:</b> T07N, R02E, Sec. 02 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4259579 E611480	<b>Latitude/Longitude:</b> 38.47758 / -121.72194	<b>Elevation (feet):</b> 35

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Saxon (3812146)
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**Sources:**

BUR00F0019	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2000-02-11
BUR00F0020	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2000-01-13
BUR00U0001	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - MEMO AND SUMMARY OF BURROWING OWL OBSERVATIONS, WILLIAMS COMMUNICATIONS, INC., PITTSBURG TO SACRAMENTO, CA FIBER OPTIC CABLE SYSTEM INSTALLATION PROJECT. 2000-09-25
REI03F0011	REINER, C. & D. MCGRIFF (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	44142	<b>EO Index:</b>	44142
<b>Key Quad:</b>	Davis (3812156)	<b>Element Code:</b>	ABNSB10010
<b>Occurrence Number:</b>	391	<b>Occurrence Last Updated:</b>	2000-10-25

<b>Scientific Name:</b>	<i>Athene cunicularia</i>	<b>Common Name:</b>	burrowing owl
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G4 <b>State:</b> S3	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b>	<b>Micro Habitat:</b>
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Last Date Observed:</b>	2000-03-12	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2000-06-XX	<b>Occurrence Rank:</b>	Poor
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
EAST SIDE OF DREW AVENUE, BETWEEN COWELL BOULEVARD AND I-80, DAVIS.

**Detailed Location:**  
BURROW SITE IS LOCATED WITHIN AN UNDEVELOPED LOT IN A BUSINESS PARK.

**Ecological:**  
HABITAT SURROUNDING BURROW CONSISTS MOSTLY OF NON-NATIVE GRASSES AND WEEDS; LOT WAS DISKED, LEAVING A SMALL BUFFER AROUND THE BURROW.

**Threats:**  
THREATENED BY DEVELOPMENT, DISKING, AND OTHER WEED CLEARANCE.

**General:**  
2 OWLS OBSERVED USING BURROW ON 12 MAR 2000; OWLS NOT OBSERVED DURING MAY-JUN 2000.

<b>PLSS:</b> T08N, R02E, Sec. 14 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266931 E610893	<b>Latitude/Longitude:</b> 38.54389 / -121.72750	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

BUR00F0026	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2000-03-12
BUR00U0001	BURWELL, T.A. (JONES AND STOKES ASSOCIATES) - MEMO AND SUMMARY OF BURROWING OWL OBSERVATIONS, WILLIAMS COMMUNICATIONS, INC., PITTSBURG TO SACRAMENTO, CA FIBER OPTIC CABLE SYSTEM INSTALLATION PROJECT. 2000-09-25



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 45375	<b>EO Index:</b> 45375
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNSB10010
<b>Occurrence Number:</b> 403	<b>Occurrence Last Updated:</b> 2011-04-13

<b>Scientific Name:</b> <i>Athene cunicularia</i>	<b>Common Name:</b> burrowing owl
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_LC-Least Concern
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.	<b>Micro Habitat:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.
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<b>Last Date Observed:</b> 2006-06-30	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2006-06-30	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT-RAMCO ENTERPRISES	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
MACE RANCH PARK, BORDERED BY FIFTH STREET, ALHAMBRA DRIVE, AND LOYOLA DRIVE, EAST DAVIS.

**Detailed Location:**  
1997 BURROW LOCATED 25 YARDS FROM ALHAMBRA AND 40 YARDS FROM FIFTH STREET. IN 2010 AERIAL IMAGE, SITE APPEARS TO BE DEVELOPED AS A SCHOOL, PARK, AND THE BEGINING GRADING FOR A HOUSING TRACT.

**Ecological:**  
GRASSLAND AND MIXED HERBACEOUS VEGETATION, ON A FLAT, 33-ACRE SITE; SURROUNDED BY RESIDENTIAL DEVELOPMENT. 2 ADULT SWHA OBSERVED FORAGING ON THE DISKED PORTION ON 25 JUN 2000. SUBSTANTIAL DEVELOPMENT IN AERIALS FROM 1999-2010.

**Threats:**  
THREATENED BY ANNUAL DISKING (50% OF SITE IN 2000), FERAL PETS, CONVERSION TO A RECREATIONAL PARK, AND DEVELOPMENT.

**General:**  
2 OWLS AT BURROW ON 4 NOV 1997. >3 NESTS & 15 JUV OBS 19 MAY-29 AUG 2000. 2 OWLS OBS 12 DEC 2002. HABITAT EXTANT, NO OWLS 5 MAY 2003. 2 AD & 4 JUV OBS 29 JUL 2004. 4 AD & 2 JUV OBS 24 MAY 2005. 3 NESTING PAIRS, 2 AD & 3 JUV OBS 30 JUN 2006.

<b>PLSS:</b> T08N, R02E, Sec. 12 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 21
<b>UTM:</b> Zone-10 N4268514 E612608	<b>Latitude/Longitude:</b> 38.55794 / -121.70758	<b>Elevation (feet):</b> 30

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

BAR00F0002	BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2000-06-25
BAR05F0017	BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2005-06-24
BAR06F0008	BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-30
HOL03F0003	HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-05-05
HOL04F0006	HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-07-29
MCN02F0001	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2002-12-12
SCH97U0001	SCHWEDLER, C. - POSTING TO THE BIRDING LISTSERV (BIRDING@PA.MOTHER.COM) REGARDING ATHENE CUNICULARIA. 1997-11-04



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 51666  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 613

**EO Index:** 51666  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2009-12-23

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G4  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2009-06-21  
**Last Survey Date:** 2009-06-21  
**Owner/Manager:** CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 WILDHORSE GOLF COURSE AND WILDHORSE AGRICULTURAL BUFFER, NE DAVIS.

**Detailed Location:**  
 ACCESS TO THIS SITE IS FROM A HIKING PATH AT THE EAST END OF ROCKWELL DRIVE. CALIFORNIA GROUND SQUIRELS NUMEROUS AT SITE. SITE QUALITY IS REPORTED TO BE FAIR IN 2003 AND GOOD 2004, 2006, & 2009.

**Ecological:**  
 HABITAT ALONG PATH CONSISTS OF RESTORED NATIVE GRASSES AND SHRUBS, AND A RUDERAL STRIP MOWED TO 5". PUBLIC PATH IS LOCATED ALONG GOLF COURSE NEAR BURROWS. CULTIVATED LAND TO NORTH, GOLF COURSE TO SOUTH, RESIDENTIAL FURTHER SOUTH.

**Threats:**  
 THREATENED BY PREDATION BY FERAL/DOMESTIC DOGS & CATS, AND DISTURBANCE BY HUMANS (RECREATION).

**General:**  
 24 ADULTS & 6 JUV, 5/20/02. 22 ADULTS, 4/15/03. SINGLE ADULTS AT 2 DIFF. BURROWS, 6/25/03. 12+ AD & MANY JUV, 7/24; 16 ADULTS/JUV, 7/29/04. 10 PRS & 31 JUVS AT 10 NESTS, 6/15/06. 3 ACTIVE NESTS & 15 JUV MINIMUM OBS 6/09 (INCOMPLETE SURVEY).

<b>PLSS:</b> T08N, R02E, Sec. 02 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 84
<b>UTM:</b> Zone-10 N4270221 E611491	<b>Latitude/Longitude:</b> 38.57346 / -121.72011	<b>Elevation (feet):</b> 10

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

BAR09F0012	BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2009-06-07
BAR09F0017	BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2009-06-21
HOL04F0005	HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-07-29
MCN02F0002	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2002-05-20
MCN03F0001	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2003-04-15
MCN06F0001	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0002	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0003	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0004	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0005	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0006	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0007	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0008	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0009	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
MCN06F0010	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-06-15
RES03F0019	RESSEGUIE, L. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-06-25
RES03F0020	RESSEGUIE, L. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-06-25
TRA04U0001	TRAPP, G.R. - POSTING TO THE CENTRAL VALLEY BIRD CLUB LISTSERV. 2004-07-24



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51668  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 614

**EO Index:** 51668  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2009-09-29

**Scientific Name:** *Athene cucularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G4  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_SSC-Species of Special Concern  
                               IUCN\_LC-Least Concern  
                               USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2004-07-29  
**Last Survey Date:** 2004-07-29  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 EAST SIDE OF MACE ROAD, JUST AS IT BEGINS TO CURVE AND TRANSFORM INTO COVELL BOULEVARD, EAST DAVIS.

**Detailed Location:**  
 BURROW IS FOUND IN A SLOPING DIRT AREA EAST OF AN ELEVATED, BUSY PAVED ROADWAY (MACE ROAD) AND SOUTH OF A LARGE TRIANGLE OF UNCULTIVATED LAND AT A LOWER LEVEL; BURROWS LOCATED WITHIN 10' OF THE ROAD EDGE.

**Ecological:**  
 WEEDS IMMEDIATELY SURROUNDING THE BURROW ARE NOT MOWED, BUT THE WEEDS ARE MOWED AT THE LOWER LEVEL/TRIANGLE AREA; SURROUNDED BY CULTIVATED LAND TO THE EAST AND NORTH, DEVELOPMENT/RUDERAL TO THE WEST. NO GROUND SQUIRRELS OBS AT LOCATION.

**Threats:**  
 THREATENED BY ENCROACHING DEVELOPMENT, ROAD MAINTENANCE, AND GENERAL AGRICULTURAL ACTIVITIES.

**General:**  
 2 ADULTS OBS AT NEST ON 5 JUN & 26 JUN 2003. 2 ADULTS OBS & 2 BURROWS ACTIVELY USED ON 24 AUG 2003. 2 ADULTS OBS SEVERAL TIMES DURING SPRING/SUMMER 2004, LAST ON 22 JUN 2004. 1 MALE COLLECTED 9 JUN 2004. 1 ADULT & 1 JUV OBS 29 JUL 2004.

<b>PLSS:</b> T08N, R02E, Sec. 01 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268983 E613773	<b>Latitude/Longitude:</b> 38.56201 / -121.69413	<b>Elevation (feet):</b> 30

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

BIT04F0002	BITTMAN, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-CALIFORNIA NATURAL DIVERSITY DATABASE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-06-22
BOL03F0002	BOLEN, G. (H.T. HARVEY AND ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-08-24
HOL04F0004	HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-07-29
MCN03F0002	MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA HYPUGEA (BURROW SITE) 2003-04-15
NAT04S0001	NATIONAL MUSEUM OF NATURAL HISTORY (USNM) - BURROWING OWL SPECIMEN COLLECTED BY S. JIMENEZ ON 9 JUN 2004 (USNM #634080). 2004-06-09
RES03F0021	RESSEGUIE, L. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-06-26



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 51782  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 621

**EO Index:** 51782  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2004-12-27

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G4  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**

SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2004-12-08  
**Last Survey Date:** 2004-12-08  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 JUST NE OF THE INTERSECTION OF 2ND AVENUE AND PENA DRIVE, DAVIS.

**Detailed Location:**  
 BURROW SITE IS LOCATED JUST EAST OF THE DAVIS INDOOR SPORTS CENTER, AND CONSISTS OF SEVERAL BURROWS.

**Ecological:**  
 HABITAT CONSISTS OF A FENCED, UNDEVELOPED PARCEL VEGETATED MAINLY BY WEEDY MORNING GLORY PLANTS; DIRT MOUNDS ON THE PARCEL ARE USED AS OWL LOOK-OUTS. 15-20 JACKRABBITS, BUT NO GROUND SQUIRRELS, OBSERVED INSIDE THE FENCED FIELD.

**Threats:**  
 THREATS INCLUDE FERAL CATS, NEARBY TRAFFIC, AND POSSIBLE COMMERCIAL/INDUSTRIAL DEVELOPMENT.

**General:**  
 SEVERAL OWLS OBSERVED AT THIS SITE IN 2002. 1 OWL OBSERVED AT THIS BURROW SITE ON 13 JUL 2003. 5 JUVENILES OBSERVED AT BURROW ON 29 JUL 2004. 3 ADULTS OBSERVED AT A BURROW ON 8 DEC 2004.

<b>PLSS:</b> T08N, R02E, Sec. 11 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267621 E612047	<b>Latitude/Longitude:</b> 38.54996 / -121.71415	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

HOL04F0003	HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-07-29
STI04F0001	STILLWATER SCIENCES - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-12-08
YOR03F0006	YORK, R. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2003-07-13



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 55866  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 695

**EO Index:** 55882  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2008-03-14

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDB Element Ranks:** **Global:** G4  
                               **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2005-10-10  
**Last Survey Date:** 2005-10-10  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 CORNER OF FRONTAGE ROAD (ADJACENT TO I-80) AND MACE BOULEVARD, NEAR IKEDA'S MARKET, DAVIS.

**Detailed Location:**  
 BURROW SITE IS LOCATED NEAR ROAD, BETWEEN THE TWO PARK & RIDE SIGNS. WINTERING BURROW LOCATED ALONG THE COUNTY ROAD 32A RIGHT-OF-WAY.

**Ecological:**  
 HABITAT CONSISTS OF A MOWED NON-NATIVE GRASSLAND, SURROUNDED BY A FRONTAGE ROAD, A PARK & RIDE LOT, AND IKEDA'S MARKET.

**Threats:**  
 THREATENED BY DEVELOPMENT, TRAFFIC ON MACE BLVD, AND ROAD MAINTENANCE.

**General:**  
 8+ OWLS (5 JUVS) & 2+ ACTIVE BURROWS, JUN 2004. 2 ACTIVE BURROWS OBS JUL 2004. 2 BIRDS OBS AT A BURROW, DEC 2004. 1 PAIR ACTIVE IN SPRING 2005, BUT 1 WAS HIT BY A CAR; INACTIVE THEREAFTER. 4 BURROWS, 6 BIRDS (2 PAIRS, 2 SIN) OBS, OCT 2005.

<b>PLSS:</b> T08N, R02E, Sec. 12 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 47
<b>UTM:</b> Zone-10 N4268198 E613772	<b>Latitude/Longitude:</b> 38.55495 / -121.69427	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

BIT04F0001 BITTMAN, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-CALIFORNIA NATURAL DIVERSITY DATABASE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-06-22

BIT05F0006 BITTMAN, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-CALIFORNIA NATURAL DIVERSITY DATABASE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2005-10-01

HOL04F0002 HOLMES, L. & D. WARENYCIA (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-07-29

MCC04F0002 MCCARTEN, N. & S. LEE (ENVIRONMENTAL SCIENCE ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-06-XX

MCN04F0002 MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-12-09

MCN05F0003 MCNERNEY, J.T. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2005-10-10

MCN05F0004 MCNERNEY, J.T. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2005-10-10

MCN05F0005 MCNERNEY, J.T. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2005-10-10

MCN05F0006 MCNERNEY, J.T. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2005-10-10



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 58984  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 726

**EO Index:** 59020  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2004-12-27

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G4  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2004-12-17  
**Last Survey Date:** 2004-12-17  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 DIRECTLY ACROSS FROM THE PARKING LOT OF 279 COUSTEAU PLACE (SUITE 400), DAVIS.

**Detailed Location:**  
**Ecological:**  
 HABITAT CONSISTS OF A RUDERAL FIELD WITH MOUNDS OF DIRT.

**Threats:**  
 THREATS INCLUDE DOGS AND CATS, AND PROPOSED DEVELOPMENT FOR A COMMERCIAL/INDUSTRIAL PARK.

**General:**  
 1 ADULT OBSERVED AT A BURROW ON 17 DEC 2004.

<b>PLSS:</b> T08N, R02E, Sec. 12 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267925 E612376	<b>Latitude/Longitude:</b> 38.55266 / -121.71032	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 STI04F0002 STILLWATER SCIENCES - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2004-12-17



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 60492  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 734

**EO Index:** 60528  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2005-03-10

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                              **State:** None  
**CNDDB Element Ranks:** **Global:** G4  
                              **State:** S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                              CDFW\_SSC-Species of Special Concern  
                              IUCN\_LC-Least Concern  
                              USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2005-03-02  
**Last Survey Date:** 2005-03-02  
**Owner/Manager:** CITY OF DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 NORTH SIDE OF I-80, 0.4 MILE NE OF THE STATE DIVISION OF FORESTRY NURSERY, EAST OF DAVIS.

**Detailed Location:**

**Ecological:**

HABITAT CONSISTS OF SILTY-CLAY SOIL WITH RUDERAL VEGETATION, AND MORE OR LESS BARREN. DOMINANT PLANTS ARE BLACK MUSTARD CHINESE TREE OF HEAVEN.

**Threats:**  
 POSSIBLE THREATS INCLUDE MAINTENANCE/FARM EQUIPMENT OPERATION, A RAVEN NEST ON A NEARBY CELL TOWER, AND DEVELOPMENT.

**General:**  
 2 ADULTS OBSERVED AT THEIR BURROW (PRESUMABLY BREEDING) ON 2 MAR 2005.

<b>PLSS:</b> T08N, R03E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268883 E615577	<b>Latitude/Longitude:</b> 38.56088 / -121.67344	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 MCN05F0001    MCNERNEY, J.T. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2005-03-02



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 70230  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 994

**EO Index:** 71111  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2008-09-09

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G4  
**State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_LC-Least Concern  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2008-07-13  
**Last Survey Date:** 2008-07-13  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 0.25-0.40 MILE WEST OF THE INTERSECTION OF ROAD 104A AND ROAD 30B, EAST OF DAVIS.

**Detailed Location:**  
 BURROW CONTAINING A PAIR WAS 0.4 MILE WEST OF THE INTERSECTION, IN SLOPING DIRT, BENEATH TWO SHORT METAL POLES (YELLOW); BURROW CONTAINING A SINGLE BIRD WAS 0.25 MILE WEST OF THE INTERSECTION OF ROAD 104B AND ROAD 30B.

**Ecological:**  
 HABITAT SURROUNDING BURROWS CONSISTS OF A FERAL FIELD, INCLUDING SOME DEAD WEED STALKS STANDING IN THE FIELD, AND WEEDS ALONG THE ROADSIDE; SURROUNDED BY CULTIVATED LAND TO THE EAST (TOMATOES) AND WEST (CORN). GROUND SQUIRRELS PRESENT.

**Threats:**  
 THREATENED BY ENCROACHING DEVELOPMENT, AGRICULTURAL PRACTICES, AND ROAD MAINTENANCE.

**General:**  
 1ADULT PAIR AND 1 SINGLE ADULT OBSERVED AT BURROWS ON 19 AUG 2007, AND BIRDS WERE STILL PRESENT ON 29 SEP 2007; NO YOUNG OBSERVED. 2 ADULTS & 5 JUVENILES OBSERVED ON 13 JUL 2008.

<b>PLSS:</b> T08N, R03E, Sec. 06 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 13
<b>UTM:</b> Zone-10 N4269556 E614084	<b>Latitude/Longitude:</b> 38.56714 / -121.69046	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**

COM07F0002 COMRACK, L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2007-08-19

COM08F0001 COMRACK, L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-WILDLIFE MANAGEMENT BRANCH) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2008-07-13



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 70980  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1027

**EO Index:** 71895  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2008-03-03

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDB Element Ranks:** **Global:** G4  
                               **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                               CDFW\_SSC-Species of Special Concern  
                               IUCN\_LC-Least Concern  
                               USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2006-01-31  
**Last Survey Date:** 2006-01-31  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 ABOUT 0.15 MI NORTH OF THE INTERSECTION OF EAST COVELL BOULEVARD AND MONARCH LANE, DAVIS.

**Detailed Location:**

**Ecological:**  
 HABITAT IS AN ACTIVE HORSE GRAZING PASTURE WITH SHORT, MIXED HERBACEOUS VEGETATION. SURROUNDING LAND USE IS RESIDENTIAL, HORSE GRAZING, AGRICULTURAL ROW CROPS.

**Threats:**  
 THREATENED BY PROPOSED DEVELOPMENT.

**General:**  
 ONE OWL TRAPPED AND Banded WITH FEDERAL AND COLOR BAND ON 31 JAN 2006 TO FACILITATE SIGHTING AFTER OWLS ARE EVICTED BECAUSE OF PROPOSED DEVELOPMENT.

<b>PLSS:</b> T08N, R02E, Sec. 02 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269444 E611970	<b>Latitude/Longitude:</b> 38.56640 / -121.71474	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 BAR06F0005    BARCLAY, J. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2006-01-31



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 71355  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1061

**EO Index:** 72259  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2008-06-09

**Scientific Name:** *Athene cucularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** G4  
                                   **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                           CDFW\_SSC-Species of Special Concern  
                           IUCN\_LC-Least Concern  
                           USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2008-04-XX  
**Last Survey Date:** 2008-04-XX  
**Owner/Manager:** YOLO COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 2.25 MI N OF DAVIS ON ROAD 28H, NORTH SIDE OF WILLOW SLOUGH.

**Detailed Location:**  
 BURROWS ON BANK WITH NORTH ASPECT.

**Ecological:**  
 HABITAT CONSISTS OF ANNUAL GRASSES AND BROADLEAF TREES WITH DISTURBED CLAY LOAM SOIL.

**Threats:**  
 THREATENED BY ROAD MAINTENANCE AND VEHICLE COLLISIONS. RIGHT-OF-WAY MAINTENANCE LIKELY TO DISTURB BIRDS.

**General:**  
 BURROW SITES. 3 BUOW (1 PAIR & 1 INDIVIDUAL) OBSERVED ON 10 MAR 2008. 3 PAIRS OF BUOW WERE OBSERVED ALONG ROAD ON NUMEROUS OCCASSIONS MARCH & APRIL 2008, THEY ARE LIKELY ESTABLISHED BREEDING PAIRS.

<b>PLSS:</b> T09N, R02E, Sec. 26 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 46
<b>UTM:</b> Zone-10 N4272167 E611410	<b>Latitude/Longitude:</b> 38.59100 / -121.72073	<b>Elevation (feet):</b> 40

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 MCN08F0001 MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2008-03-10  
 MEY08F0001 MEYER, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2008-03-18



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 76707  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1239

**EO Index:** 77653  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2009-09-24

**Scientific Name:** *Athene cucularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** G4  
                                   **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                           CDFW\_SSC-Species of Special Concern  
                           IUCN\_LC-Least Concern  
                           USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2009-06-05  
**Last Survey Date:** 2009-06-05  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**  
 0.45 MI SOUTH OF COUNTY ROAD 29 ON WEST SIDE OF COUNTY ROAD 105, DAVIS.

**Detailed Location:**  
 MAPPED TO PROVIDED COORDINATES.

**Ecological:**  
 DISTURBED ROAD SHOULDER WITH NON-NATIVE WEED SPECIES ADJACENT TO WINTER WHEAT FIELD.

**Threats:**  
 THREATENED BY VEHICLE COLLISIONS, AGRICULTURAL EQUIPMENT, AND ROAD MAINTENANCE.

**General:**  
 2 ADULTS AND 1 JUVENILE OBSERVED AT NEST ON 5 JUN 2009 (MALE BANDED LEFT LEG W/ BLACK BAND W/ WHITE LETTERS A OVER 74).

<b>PLSS:</b> T09N, R03E, Sec. 31 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4271345 E615403	<b>Latitude/Longitude:</b> 38.58308 / -121.67504	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
 MCN09F0001    MCNERNEY, J. (CITY OF DAVIS) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2009-06-05



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 55409  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 403

**EO Index:** 55409  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2004-05-10

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

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

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_EN-Endangered  
 NABCI\_RWL-Red Watch List  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 1999-06-01  
**Last Survey Date:** 1999-06-01  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 CONWAY RANCH. ABOUT 0.9 MI NORTH OF THE WILLOW SLOUGH BYPASS AND 0.9 MI EAST OF ROAD 102.

**Detailed Location:**

**Ecological:**  
 HABITAT CONSISTS OF CATTAILS AND RICE.

**Threats:**

**General:**

ABOUT 15,000 OBSERVED NESTING IN 1999 BY HAMILTON. AVERAGE CLUTCH SIZE WAS 3.6. 92% NESTING FAILURE DUE TO PREDATION BY RACOONS, LEAST BITTERN AND BLACK-CROWNED NIGHT HERONS (ROOKERY IN EUCALYPTUS GROVE 3 KM AWAY).

**PLSS:** T09N, R02E, Sec. 26 (M)  
**UTM:** Zone-10 N4273564 E612129

**Accuracy:** 1/10 mile  
**Latitude/Longitude:** 38.60349 / -121.71225

**Area (acres):** 0  
**Elevation (feet):** 35

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

DFG04U0002 CALIFORNIA DEPARTMENT OF FISH & GAME - TRICOLORED BLACKBIRD BREEDING OBSERVATIONS 1980-2000, BIOS DS20. 2004-XX-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 88

**EO Index:** 68971  
**Element Code:** AMACC02010  
**Occurrence Last Updated:** 2007-03-20

**Scientific Name:** *Lasionycteris noctivagans*  
**Listing Status:**       **Federal:** None  
                                   **State:** None  
**CNDDB Element Ranks:** **Global:** G5  
                                   **State:** S3S4

**Common Name:** silver-haired bat  
**Rare Plant Rank:**  
**Other Lists:** IUCN\_LC-Least Concern  
                           WBWG\_M-Medium Priority

**General Habitat:**  
 PRIMARILY A COASTAL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.

**Micro Habitat:**  
 ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES & RARELY UNDER ROCKS. NEEDS DRINKING WATER.

**Last Date Observed:** 1957-10-17  
**Last Survey Date:** 1957-10-17  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 DAVIS.

**Detailed Location:**  
 MAPPED TO INCLUDE LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 3218.688 M.

**Ecological:**  
**Threats:**

**General:**  
 1 MALE SPECIMEN (MVZ #183573) COLLECTED BY ROBERT L. RUDD ON 17 OCT 1957.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267590 E608965	<b>Latitude/Longitude:</b> 38.55006 / -121.74951	<b>Elevation (feet):</b>

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Davis (3812156), Merritt (3812157)

**Sources:**  
 MAN04S0022 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LASIONYCTERIS NOCTIVAGANS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM LACM, CAS, MSB & MVZ. 2004-12-10



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 136

**EO Index:** 68899  
**Element Code:** AMACC05030  
**Occurrence Last Updated:** 2007-03-19

**Scientific Name:** *Lasiurus cinereus*

**Common Name:** hoary bat

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:** S4

**Rare Plant Rank:**  
**Other Lists:** IUCN\_LC-Least Concern  
 WBWG\_M-Medium Priority

**General Habitat:**

PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.

**Micro Habitat:**

ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.

**Last Date Observed:** 1991-09-24  
**Last Survey Date:** 1991-09-24  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

DAVIS.

**Detailed Location:**

MAPPED TO INCLUDE LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTIES OF 3218.688 M AND 11.265408 M. MVZ #183217 COLLECTED AT "3RD ST. NEAR A ST."

**Ecological:**

**Threats:**

**General:**

1 FEMALE SPECIMEN (MVZ #183217) COLLECTED BY TRACY I. STORER 13 APR 1925. 1 MALE & 1 FEMALE SPECIMEN (MVZ #183578-183579) COLLECTED BY MILTON HILDEBRAND 1 MAR 1956. 1 MALE SPECIMEN (MVZ #182429) COLLECTED BY WILLIAM E. RAINEY 25 SEP 1991.

**PLSS:** T08N, R02E, Sec. 10 (M)

**Accuracy:** 1 mile

**Area (acres):** 0

**UTM:** Zone-10 N4267590 E608965

**Latitude/Longitude:** 38.55006 / -121.74951

**Elevation (feet):**

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**

MAN04S0029 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LASIURUS CINEREUS SPECIMENS FOR CALIFORNIA FROM MANIS. INCLUDES RECORDS FROM MVZ, CAS, MSB, LSU, KU, LACM, UWBM, FMNH AND TTU. 2004-12-10



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 312

**EO Index:** 66788  
**Element Code:** AMACC10010  
**Occurrence Last Updated:** 2006-10-05

**Scientific Name:** *Antrozous pallidus*

**Common Name:** pallid bat

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** G5  
                                   **State:**     S3

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                           CDFW\_SSC-Species of Special Concern  
                           IUCN\_LC-Least Concern  
                           USFS\_S-Sensitive  
                           WBWG\_H-High Priority

**General Habitat:**

DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.

**Micro Habitat:**

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

**Last Date Observed:** 1964-07-22  
**Last Survey Date:** 1964-07-22  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

DAVIS.

**Detailed Location:**

MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 23218.688 M.

**Ecological:**

**Threats:**

**General:**

1 FEMALE SPECIMEN COLLECTED BY ALBERT J. BECK ON 22 JUL 1964, MVZ #174654.

**PLSS:** T08N, R02E, Sec. 10 (M)  
**UTM:** Zone-10 N4267590 E608965

**Accuracy:** 1 mile  
**Latitude/Longitude:** 38.55006 / -121.74951

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**

MAN04S0028 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF ANTROZOUS PALLIDUS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM MVZ, CAS, KU, UWBM, UMNH, LACM, MSB, FMNH, TTU, MSU. 2004-12-09



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57128  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 238

**EO Index:** 57144  
**Element Code:** AMAJF04010  
**Occurrence Last Updated:** 2004-09-30

**Scientific Name:** *Taxidea taxus*

**Common Name:** American badger

**Listing Status:**       **Federal:** None  
                              **State:** None  
**CNDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** CDFW\_SSC-Species of Special Concern  
                          IUCN\_LC-Least Concern

**General Habitat:**

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

**Micro Habitat:**

NEEDS SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.

**Last Date Observed:** 1997-11-17  
**Last Survey Date:** 1997-11-17  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
JUNCTION OF COUNTY ROAD 31 AND COUNTY ROAD 97D, WEST OF DAVIS.

**Detailed Location:**

**Ecological:**

**Threats:**

**General:**  
1 FRESH (<24 HOURS OLD) DEAD BADGER COLLECTED 17 NOVEMBER 1997.

<b>PLSS:</b> T08N, R01E, Sec. 11 (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4268776 E602651	<b>Latitude/Longitude:</b> 38.56151 / -121.82178	<b>Elevation (feet):</b> 70

**County Summary:**

Yolo

**Quad Summary:**

Merritt (3812157)

**Sources:**  
COL97U0002 COLE, R. (UNIVERSITY OF CALIFORNIA, DAVIS) - LETTER CONTAINING LOCATION INFORMATION FOR TAXIDEA TAXUS. 1997-11-17



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 329

**EO Index:** 57720  
**Element Code:** AMAJF04010  
**Occurrence Last Updated:** 2004-10-26

**Scientific Name:** *Taxidea taxus*

**Common Name:** American badger

**Listing Status:**       **Federal:** None  
                              **State:** None  
**CNDDB Element Ranks:** **Global:** G5  
                                  **State:** S3

**Rare Plant Rank:**  
**Other Lists:** CDFW\_SSC-Species of Special Concern  
                          IUCN\_LC-Least Concern

**General Habitat:**

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

**Micro Habitat:**

NEEDS SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.

**Last Date Observed:** XXXX-XX-XX  
**Last Survey Date:** XXXX-XX-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**

DAVIS.

**Detailed Location:**

**Ecological:**

**Threats:**

**General:**

1 COLLECTED, UDAV (U.C. DAVIS, MUSEUM OF ZOOLOGY).

**PLSS:** T08N, R02E, Sec. 10 (M)

**Accuracy:** 1 mile

**Area (acres):** 0

**UTM:** Zone-10 N4267590 E608965

**Latitude/Longitude:** 38.55006 / -121.74951

**Elevation (feet):** 45

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**

DFG86R0004 CALIFORNIA DEPARTMENT OF FISH & GAME - MAMMALIAN SPECIES OF SPECIAL CONCERN IN CALIFORNIA, AMERICAN BADGER ACCOUNT. 1986-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 70766  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 362

**EO Index:** 71678  
**Element Code:** ARAAD02030  
**Occurrence Last Updated:** 2008-01-29

**Scientific Name:** *Emys marmorata*

**Common Name:** western pond turtle

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G3G4  
                                   **State:** S3

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_VU-Vulnerable  
 USFS\_S-Sensitive

**General Habitat:**

A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.

**Micro Habitat:**

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

**Last Date Observed:** 2001-05-XX  
**Last Survey Date:** 2001-05-XX  
**Owner/Manager:** UC-DAVIS  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 UC DAVIS ARBORETUM WATERWAY.

**Detailed Location:**  
 WATERWAY IS ALONG THE SOUTHERN EDGE OF THE UCD CAMPUS AND EXTENDS FOR 2.4 KM.

**Ecological:**  
 VIRTUALLY ALL OF THE SURROUNDING VEGETATION IS NON-NATIVE, AND MOST IS HEAVILY IRRIGATED.

**Threats:**  
 TRACHEMYS SCRIPTA ELEGANS GREATLY OUTNUMBERED A. MARMORATA IN THE WATERWAY.

**General:**  
 MARK-RECAPTURE STUDY FROM SEP 1996 TO MAY 2001. 76 INDIVIDUALS CAPTURED. ADULTS DOMINATE POPULATION; ONLY 1 HATCHLING & 8 JUVENILES CAPTURED. NEST AND/OR NEONATE SURVIVAL APPEAR TO BE NEARLY 0 IN THE URBANIZED ARBORETUM SETTING.

<b>PLSS:</b> T08N, R02E, Sec. 16 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 102
<b>UTM:</b> Zone-10 N4265836 E608757	<b>Latitude/Longitude:</b> 38.53429 / -121.75217	<b>Elevation (feet):</b> 50

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Davis (3812156), Merritt (3812157)

**Sources:**  
 SPI01A0001 SPINKS, P.Q. ET AL. - SURVIVAL OF THE WESTERN POND TURTLE (EMYS MARMORATA) IN AN URBAN CALIFORNIA ENVIRONMENT. BIOLOGICAL CONSERVATION 113 (2003) 257-267. 2001-05-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10733	<b>EO Index:</b> 27598
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ARADB36150
<b>Occurrence Number:</b> 20	<b>Occurrence Last Updated:</b> 1995-08-10

<b>Scientific Name:</b> <i>Thamnophis gigas</i>	<b>Common Name:</b> giant garter snake
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> Threatened	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G2	
<b>State:</b> S2	

<b>General Habitat:</b> PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.	<b>Micro Habitat:</b> THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA.
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<b>Last Date Observed:</b> 1976-XX-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1987-XX-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH FORK PUTAH CREEK AT OLD DAVIS RD, DAVIS.

**Detailed Location:**

**Ecological:**

**Threats:**

**General:**

KNOWN LOCATION IN 1976 BASED ON RECORDS OF THE CALIFORNIA DEPARTMENT OF FISH AND GAME. NOT DURING 1986-87 STUDY BY G. HANSEN.

<b>PLSS:</b> T08N, R02E, Sec. 28 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4263925 E608395	<b>Latitude/Longitude:</b> 38.51712 / -121.75663	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**Sources:**

BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG). 1980-XX-XX
HAN80R0002	HANSON, G.E. & J.M. BRODE - STATUS OF THE GIANT GARTER SNAKE, THAMNOPHIS GIGAS (FITCH), DEPT. OF FISH AND GAME, INLAND FISHERIES ENDANGERED SPECIES PROGRAM, SPECIAL PUBLICATIONS 80-5. 1980-09-XX
HAN88R0001	HANSEN, G.E. - DRAFT FOR REVIEW OF THE STATUS OF THE GIANT GARTER SNAKE (THAMNOPHIS COUCHII GIGAS) AND ITS SUPPORTING HABITAT DURING 1986-1987. 1988-XX-XX
HAN96R0001	HANSEN, G. - GPS COORDINATES FOR LOCATIONS OF THE GIANT GARTER SNAKE (THAMNOPHIS GIGAS) IN THE SACRAMENTO VALLEY AT THE TIME OF FEDERAL LISTING 1996-09-12



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 10862	<b>EO Index:</b> 27545	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ARADB36150	
<b>Occurrence Number:</b> 80	<b>Occurrence Last Updated:</b> 1989-08-10	

<b>Scientific Name:</b> <i>Thamnophis gigas</i>	<b>Common Name:</b> giant garter snake
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> Threatened	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G2	
<b>State:</b> S2	

<b>General Habitat:</b> PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.	<b>Micro Habitat:</b> THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA.
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<b>Last Date Observed:</b> 1987-08-XX	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1987-08-XX	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WILLOW SLOUGH BYPASS, 2.5 AIR MI NNW OF SWINGLE, 4.4 AIR MI NE OF JCT PUTAH CK AND HWY 80.

**Detailed Location:**  
MAPPED TO PROVIDED LOCATION DESCRIPTION OF "IRRIGATION DITCH NEAR ROADS 104 AND 28 H, NEAR WILLOW SLOUGH, BETWEEN THE HUNT-WESSON DAVIS AUDUBON HAWK AND OWL RESERVE, AND THE DAVIS LANDFILL."

**Ecological:**  
IRRIGATION DITCH WITH CATTAILS & TULE.

**Threats:**  
DAVIS LANDFILL TO THE EAST AND SPRAYFIELDS FOR CANNING PLANT TO THE WEST.

**General:**  
2 ADULTS OBSERVED IN AUG 1987.

<b>PLSS:</b> T09N, R02E, Sec. 25 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4272260 E613630	<b>Latitude/Longitude:</b> 38.59156 / -121.69524	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**  
SAN87F0001 SANDERS, S. - FIELD SURVEY FORM FOR THAMNOPHIS GIGAS 1987-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93062	<b>EO Index:</b> 94214
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 656	<b>Occurrence Last Updated:</b> 2014-07-07

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2010-02-25	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-02-25	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> DOD, YOLO COUNTY	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY, 0.5 MILE E OF INTERSECTION OF TREMONT RD AND ROAD 104, 4 MILES SE OF DAVIS.

**Detailed Location:**  
MAPPED TO LOCATION OF POOL #37 GIVEN IN 2010 REPORT. DETECTED IN 2 OF 13 POOLS SURVEYED IN 2010 (1 MAPPED HERE, SEE ALSO EO #657).

**Ecological:**  
POOLS HIGHLY DISTURBED FROM HISTORICAL MILITARY USE. LEPIDURUS PACKARDI AND LINDERIELLA OCCIDENTALIS ALSO FOUND IN AREA.

**Threats:**

**General:**

DETECTED DURING SURVEYS ON 14 AND 25 FEB 2010.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261484 E614594	<b>Latitude/Longitude:</b> 38.49435 / -121.68594	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**Sources:**

HEL10D0001	HELM, B. & T. WOOD (HELM BIOLOGICAL CONSULTING) - FIELD SURVEY FORM AND SHAPEFILE FOR VERNAL POOL INVERTEBRATES DETECTED NEAR YOLO GRASSLANDS REGIONAL PARK 2010-02-14
HEL10R0007	HELM, B. (HELM BIOLOGICAL CONSULTING) - WET-SEASON SAMPLING FOR FEDERALLY LISTED LARGE BRANCHIOPODS AT THE MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY SITE 2010-06-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93065	<b>EO Index:</b> 94217	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ICBRA03030	
<b>Occurrence Number:</b> 657	<b>Occurrence Last Updated:</b> 2014-07-08	

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2010-02-25	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-02-25	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> DOD, YOLO COUNTY	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY, 0.3 MI NNW OF INTERSECTION OF ROAD 105 AND ROAD 36, 5 MILES SE OF DAVIS.

**Detailed Location:**  
MAPPED TO LOCATION OF POOL #124 GIVEN IN 2010 REPORT. DETECTED IN 2 OF 13 POOLS SURVEYED IN 2010 (1 MAPPED HERE, SEE ALSO EO #656).

**Ecological:**  
POOLS ARE HIGHLY DISTURBED FROM HISTORICAL MILITARY USE. LEPIDURUS PACKARDI AND LINDERIELLA OCCIDENTALIS ALSO FOUND IN AREA.

**Threats:**

**General:**

DETECTED DURING SURVEYS ON 14 AND 25 FEB 2010.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4261269 E615206	<b>Latitude/Longitude:</b> 38.49233 / -121.67895	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	Saxon (3812146)
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**Sources:**

HEL10D0001	HELM, B. & T. WOOD (HELM BIOLOGICAL CONSULTING) - FIELD SURVEY FORM AND SHAPEFILE FOR VERNAL POOL INVERTEBRATES DETECTED NEAR YOLO GRASSLANDS REGIONAL PARK 2010-02-14
HEL10R0007	HELM, B. (HELM BIOLOGICAL CONSULTING) - WET-SEASON SAMPLING FOR FEDERALLY LISTED LARGE BRANCHIOPODS AT THE MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY SITE 2010-06-XX



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	93324	<b>EO Index:</b>	94470
<b>Key Quad:</b>	Saxon (3812146)	<b>Element Code:</b>	ICBRA06010
<b>Occurrence Number:</b>	420	<b>Occurrence Last Updated:</b>	2014-07-30

<b>Scientific Name:</b>	<i>Linderiella occidentalis</i>	<b>Common Name:</b>	California linderiella
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S2S3	<b>Other Lists:</b>	IUCN_NT-Near Threatened

<b>General Habitat:</b>	SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.	<b>Micro Habitat:</b>	WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.
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<b>Last Date Observed:</b>	2010-02-25	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2010-02-25	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	DOD, YOLO COUNTY	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY SITE, 0.3 MILE NNW OF ROAD 105 AT ROAD 36, 5 MILES SE OF DAVIS.

**Detailed Location:**  
MAPPED TO LOCATION OF POOL R-A3 FROM 2004 FIELD SURVEY FORM AND POOLS 125, 126, 127, AND 128 FROM 2010 REPORT.

**Ecological:**  
DEEP, TURBID VERNAL POOLS IN AREA HIGHLY DISTURBED FROM HISTORICAL MILITARY USE. LEPIDURUS PACKARDI AND BRANCHINECTA LYNCHI ALSO FOUND IN AREA. SITE WAS BURNED IN 2003. ANNEXED TO YOLO COUNTY GRASSLANDS REGIONAL PARK SINCE TIME OF SURVEY.

**Threats:**  
**General:**  
DETECTED IN 1 POOL DURING SURVEYS BETWEEN 30 DEC 2003 AND 23 MAR 2004. DETECTED IN 4 ADJACENT BASINS DURING SURVEYS 14 AND 25 FEB 2010.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 8
<b>UTM:</b> Zone-10 N4261264 E615208	<b>Latitude/Longitude:</b> 38.49228 / -121.67894	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	Saxon (3812146)
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**Sources:**

HEL10D0001	HELM, B. & T. WOOD (HELM BIOLOGICAL CONSULTING) - FIELD SURVEY FORM AND SHAPEFILE FOR VERNAL POOL INVERTEBRATES DETECTED NEAR YOLO GRASSLANDS REGIONAL PARK 2010-02-14
HEL10R0007	HELM, B. (HELM BIOLOGICAL CONSULTING) - WET-SEASON SAMPLING FOR FEDERALLY LISTED LARGE BRANCHIOPODS AT THE MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY SITE 2010-06-XX
LEE04F0003	LEE, S. - FIELD SURVEY FORM FOR LINDERIELLA OCCIDENTALIS & LEPIDURUS PACKARDI 2004-03-23



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 32514	<b>EO Index:</b> 1994	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ICBRA10010	
<b>Occurrence Number:</b> 29	<b>Occurrence Last Updated:</b> 2014-07-22	

<b>Scientific Name:</b> <i>Lepidurus packardii</i>	<b>Common Name:</b> vernal pool tadpole shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Endangered	
<b>State:</b> None	<b>Other Lists:</b> IUCN_EN-Endangered
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.	<b>Micro Habitat:</b> POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.
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<b>Last Date Observed:</b> 2010-02-14	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-02-14	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> YOLO COUNTY	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
FORMER AIR FORCE COMMUNICATION FACILITY, 0.5-1.0 MI EAST OF INTERSECTION OF TREMONT ROAD AND ROAD 104, 5 MI SE OF DAVIS.

**Detailed Location:**  
ADJACENT TO YOLO COUNTY GRASSLANDS REGIONAL PARK; ANNEXED TO PARK PRIOR TO 2010. POOL #3 ESTIMATED TO BE 200' X 50' X 12"D; POOL #9, 300' X 75' X 36"D (IN 1995). MAPPED TO LOCATIONS OF OCCUPIED POOLS.

**Ecological:**  
ANNUAL GRASSLAND WITH 10-13 DEEP VERNAL POOLS (WET INTO MAY/JUN) & MUD-BOTTOMED BORROW PIT. SITE BURNED IN 2003. TREE FROGS, AQUATIC INVERTS INCL CYZICUS PRESENT. POOLS HIGHLY DISTURBED FROM HISTORIC MILITARY USE. SURROUNDED BY AGRICULTURE.

**Threats:**  
DISKING; HERBICIDE RUNOFF FROM ANTENNA PADS; WEED (PEPPERWEED) ENCROACHMENT ON POOLS (1995). PESTICIDE OVERSPRAY (1998).

**General:**  
PRESENT IN 1993 & 1994. FOUND IN 3 OF 5 POOLS (ABUNDANT IN #3 & #9) SAMPLED 10 FEB-16 MAR 1995; VOUCHERS SENT TO CAS. 100S FOUND IN 1997 & 1998. FOUND IN 8 POOLS, 2004. FOUND IN 8 OF 13 POOLS, 2010.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 100
<b>UTM:</b> Zone-10 N4261569 E615308	<b>Latitude/Longitude:</b> 38.49502 / -121.67774	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

HEL10D0001	HELM, B. & T. WOOD (HELM BIOLOGICAL CONSULTING) - FIELD SURVEY FORM AND SHAPEFILE FOR VERNAL POOL INVERTEBRATES DETECTED NEAR YOLO GRASSLANDS REGIONAL PARK 2010-02-14
HEL10R0007	HELM, B. (HELM BIOLOGICAL CONSULTING) - WET-SEASON SAMPLING FOR FEDERALLY LISTED LARGE BRANCHIOPODS AT THE MCCLELLAN AFB DAVIS COMMUNICATIONS FACILITY SITE 2010-06-XX
LAC95F0003	LACY, T. (WESCO-RMI) - FIELD SURVEY FORM FOR LEPIDURUS PACKARDI 1995-03-16
LAC95R0001	LACY, T. (WESCO-RMI) - 1995 VERNAL POOL CRUSTACEAN SURVEY RESULTS - MCCLELLAN AFB AND LINCOLN & DAVIS COMMUNICATIONS FACILITIES; CONSERVATION PLAN INCLUDED. 1995-XX-XX
LAC95S0001	LACY, T. - CASIZ #102857 & 102859, COLLECTED AT "U.S. AIR FORCE COMMUNICATIONS FACILITY 5 MILES SOUTHEAST OF THE CITY OF DAVIS." 1995-03-16
LAC97F0001	LACY, T. - FIELD SURVEY FORM FOR LEPIDURUS PACKARDI 1997-03-25
LAC97U0001	LACY, T. - SCIENTIFIC COLLECTING REPORT OF SPECIMENS COLLECTED 1997-03-25
LAC98F0001	LACY, T. - FIELD SURVEY FORM FOR LEPIDURUS PACKARDI 1998-02-26
LAC99U0001	LACY, T. - SCIENTIFIC COLLECTING REPORT OF SPECIMENS COLLECTED 1999-01-05
LEE04F0003	LEE, S. - FIELD SURVEY FORM FOR LINDERIELLA OCCIDENTALIS & LEPIDURUS PACKARDI 2004-03-23



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 57704	<b>EO Index:</b> 59239
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ICBRA10010
<b>Occurrence Number:</b> 217	<b>Occurrence Last Updated:</b> 2014-07-23

<b>Scientific Name:</b> <i>Lepidurus packardii</i>	<b>Common Name:</b> vernal pool tadpole shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Endangered	
<b>State:</b> None	<b>Other Lists:</b> IUCN_EN-Endangered
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.	<b>Micro Habitat:</b> POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.
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<b>Last Date Observed:</b> 1966-02-02	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1966-02-02	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
DAVIS.

**Detailed Location:**  
SMITHSONIAN RECORDS: 1941 RECORD FROM "ALKALINE POOL 1 MILE NORTH OF DAVIS". 1946 RECORDS FROM "TEMPORARY POOL 1 MILE NORTH OF DAVIS" AND "DAVIS".

**Ecological:**

**Threats:**

**General:**  
20 COLLECTED 16 MAR 1941, USNM #291226. 3 COLLECTED 20 FEB 1946, USNM #82030. 2 COLLECTED 26 FEB 1946. 5 COLLECTED 19 APR 1946, USNM #291224. 1 COLLECTED 2 FEB 1966.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267590 E608965	<b>Latitude/Longitude:</b> 38.55006 / -121.74951	<b>Elevation (feet):</b> 50

<b>County Summary:</b> Solano, Yolo	<b>Quad Summary:</b> Davis (3812156), Merritt (3812157)
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**Sources:**

ROG01A0001 ROGERS, D. - REVISION OF THE NEARCTIC LEPIDURUS (NOTOSTRACA). JOURNAL OF CRUSTACEAN BIOLOGY 21(4):991-1006. 2001-XX-XX

USN05S0006 UNITED STATES NATIONAL MUSEUM (SMITHSONIAN INSTITUTION) - PRINTOUT OF SPECIMEN COLLECTION INFORMATION FOR LEPIDURUS PACKARDI FROM DAVIS. 2005-03-11



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 60505	<b>EO Index:</b> 60541
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ICBRA10010
<b>Occurrence Number:</b> 222	<b>Occurrence Last Updated:</b> 2014-07-14

<b>Scientific Name:</b> <i>Lepidurus packardii</i>	<b>Common Name:</b> vernal pool tadpole shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Endangered	
<b>State:</b> None	<b>Other Lists:</b> IUCN_EN-Endangered
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.	<b>Micro Habitat:</b> POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.
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<b>Last Date Observed:</b> 1979-04-14	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1979-04-14	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> CITY OF DAVIS, PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
WEST SIDE OF ROAD 101A FROM ABOUT 0.75 TO 1 MILE NORTH OF THE COVELL ROAD INTERSECTION, DAVIS.

**Detailed Location:**  
1952 SPECIMEN COLLECTED AT "ANTITHESIS POND" BETWEEN ROAD 29 & ROAD 31 ON W SIDE OF RAILROAD TRACKS. MAPPED TO ENG SPECIMEN LOCALITIES (1979, UNDATED) FROM 3/4 TO 1 MILE NORTH OF COVELL JUST WEST OF ROAD 101A (=F STREET).

**Ecological:**  
1952 SPECIMEN FROM POND. 1979 SPECIMENS FROM VERNAL POOL ADJACENT TO AGRICULTURAL LAND AND ROADSIDE DITCHES.

**Threats:**  
**General:**  
MENZIES & ROGERS COLLECTED 15 IN 1952 (USNM #291221). ENG COLLECTED 7, 3 FEB 1979 (CASIZ #165023). ENG COLLECTED 9, ANONYMOUS COLLECTOR 1 ON 14 APR 1979 (CASIZ #78050 & 78053). AN ADDITIONAL ENG SPECIMEN IS UNDATED (CASIZ #104244).

<b>PLSS:</b> T08N, R02E, Sec. 03 (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4270170 E609115	<b>Latitude/Longitude:</b> 38.57329 / -121.74739	<b>Elevation (feet):</b> 40

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

ANO79S0004	ANONYMOUS - CASIZ #78053, COLLECTED FROM "F STREET, DITCH." 1979-04-14
ENG79S0006	ENG, L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CASIZ #165023, COLLECTED "CA. 1.3 KM N OF COVELL, JUST W OF ROAD 101A." 1979-02-03
ENG79S0007	ENG, L. - CASIZ #78050, COLLECTED "ABOUT 1 MI N OF COVELL [ROAD], "F" STREET, ROADSIDE DITCH, TEMPORARY POND." 1979-04-14
ENGNDS0002	ENG, L. - CASIZ #104244, COLLECTED FROM "ROADSIDE DITCH EAST OF ROAD 101A ABOUT 3/4 MILE [NORTH?] OF COVELL AVE." XXXX-XX-XX
USN05S0006	UNITED STATES NATIONAL MUSEUM (SMITHSONIAN INSTITUTION) - PRINTOUT OF SPECIMEN COLLECTION INFORMATION FOR LEPIDURUS PACKARDI FROM DAVIS. 2005-03-11



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 8

**EO Index:** 60059  
**Element Code:** IICOL02106  
**Occurrence Last Updated:** 2005-02-16

**Scientific Name:** *Cicindela hirticollis abrupta*

**Common Name:** Sacramento Valley tiger beetle

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G5TH  
                                   **State:** SH

**Rare Plant Rank:**  
**Other Lists:**

**General Habitat:**

SANDY FLOODPLAIN HABITAT IN THE SACRAMENTO VALLEY. NO BEETLES LOCATED DURING INTENSIVE 2001-2004 SURVEYS.

**Micro Habitat:**

REQUIRES FINE TO MEDIUM SAND, TERRACED FLOODPLAINS OR LOW SANDY WATER EDGE FLATS.

**Last Date Observed:** 1935-08-XX  
**Last Survey Date:** 1935-08-XX  
**Owner/Manager:** UNKNOWN  
**Presence:** Extirpated

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** None  
**Trend:** Stable

**Location:**

DAVIS.

**Detailed Location:**

LOCATION GIVEN ONLY AS "DAVIS", EXACT LOCALITY NOT GIVEN, SO MAPPED AROUND HISTORICAL DOWNTOWN. COLLECTION PROBABLY FROM BANKS OF PUTAH CREEK.

**Ecological:**

1935 COLLECTION NOTED AS BEING "NEAR WATER"

**Threats:**

**General:**

HISTORICAL COLLECTIONS FROM 1934 & AUG 1935.

**PLSS:** T08N, R02E, Sec. 10 (M)  
**UTM:** Zone-10 N4267590 E608965

**Accuracy:** 1 mile  
**Latitude/Longitude:** 38.55006 / -121.74951

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**  
 KNI03R0001 KNISLEY, C.B. (RANDOLPH-MACON COLLEGE) - A STATUS REVIEW OF THE SACRAMENTO VALLEY TIGER BEETLE, CICINDELA HIRTICOLLIS ABRUPTA. REPORT TO THE USFWS SACRAMENTO FIELD OFFICE. 2003-02-05



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 57704	<b>EO Index:</b> 60280
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> IHHYM15010
<b>Occurrence Number:</b> 2	<b>Occurrence Last Updated:</b> 2005-02-25

<b>Scientific Name:</b> <i>Myrmosula pacifica</i>	<b>Common Name:</b> Antioch multilid wasp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> GH	
<b>State:</b> SH	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
<input type="checkbox"/>	<input type="checkbox"/>

<b>Last Date Observed:</b> 1945-07-18	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1945-07-18	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**

DAVIS.

**Detailed Location:**

EXACT LOCATION NOT GIVEN; MAY BE FROM SANDY AREAS NEAR PUTAH CREEK. MAPPED AROUND OLD CENTER OF DAVIS.

**Ecological:**

**Threats:**

**General:**

HISTORICAL SPECIMENS DEPOSITED IN UC-DAVIS BOHART MUSEUM OF ENTOMOLOGY. ONE COLLECTED 12 OCT 1942, IDENTIFIED BY M. WASBAUER 2003; ONE COLLECTED 18 JUL 1945, IDENTIFIED BY KROMBEIN 1950.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267590 E608965	<b>Latitude/Longitude:</b> 38.55006 / -121.74951	<b>Elevation (feet):</b> 50

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**Sources:**

SHA05S0001 SHANKS, S. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-CALIFORNIA NATURAL DIVERSITY DATABASE) - LIST OF SPECIMEN DATA RECORDED DURING A VISIT TO THE BOHART MUSEUM OF ENTOMOLOGY AT UC DAVIS ON 23 FEB 2005. 2005-02-23



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	24510	<b>EO Index:</b>	13029
<b>Key Quad:</b>	Davis (3812156)	<b>Element Code:</b>	PDBRA1M0K1
<b>Occurrence Number:</b>	2	<b>Occurrence Last Updated:</b>	1997-01-23

<b>Scientific Name:</b>	<i>Lepidium latipes var. heckardii</i>	<b>Common Name:</b>	Heckard's pepper-grass
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	1B.2
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4T2 <b>State:</b> S2	<b>Other Lists:</b>	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
VALLEY AND FOOTHILL GRASSLAND.	GRASSLAND, AND SOMETIMES VERNAL POOL EDGES. ALKALINE SOILS. 2-200 M.

<b>Last Date Observed:</b>	1957-04-23	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1957-04-23	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
3 MILES NE OF DAVIS.

**Detailed Location:**

**Ecological:**  
ALKALINE FLATS.

**Threats:**

**General:**  
TYPE LOCALITY. HERBARIUM LABEL IS ONLY SOURCE OF INFORMATION. EXACT LOCATION UNKNOWN.

<b>PLSS:</b> T09N, R02E, Sec. 35 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4271835 E611102	<b>Latitude/Longitude:</b> 38.58805 / -121.72433	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
CRA57S0007 CRAMPTON, B. - CRAMPTON #3947 CAS #584002, SBBG #50441, GH #19203 1957-04-23



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	25469	<b>EO Index:</b>	5829
<b>Key Quad:</b>	Davis (3812156)	<b>Element Code:</b>	PDCHE040B0
<b>Occurrence Number:</b>	4	<b>Occurrence Last Updated:</b>	2011-06-08

<b>Scientific Name:</b>	<i>Atriplex cordulata</i> var. <i>cordulata</i>			
<b>Common Name:</b>	heartscale			
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>Rare Plant Rank:</b>	1B.2
	<b>State:</b>	None	<b>Other Lists:</b>	BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G3T2		
	<b>State:</b>	S2		

<b>General Habitat:</b>	<b>Micro Habitat:</b>
CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.	ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 0-560 M.

<b>Last Date Observed:</b>	1952-10-24	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1994-XX-XX	<b>Occurrence Rank:</b>	None
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Extirpated		

**Location:**  
1.5 MILES NORTH OF DAVIS.

**Detailed Location:**

**Ecological:**  
COMMON WITH ATRIPLEX PARISHII (DEPRESSA?) ON ALKALINE FLATS.

**Threats:**

**General:**

ONLY SOURCE OF INFORMATION IS A 1952 CRAMPTON COLLECTION. SITE REVISITED BY PRESTON PRIOR TO SEPTEMBER 1994. NO SUITABLE HABITAT REMAINS. SOME AREAS WITH SUITABLE ALKALINE SOILS REMAIN, BUT HAVE BEEN PLOWED OR PAVED. A. CORDULATA NOT FOUND.

<b>PLSS:</b>	T09N, R02E, Sec. 34 (M)	<b>Accuracy:</b>	1 mile	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4270548 E609631	<b>Latitude/Longitude:</b>	38.57664 / -121.74142	<b>Elevation (feet):</b>	35

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156), Merritt (3812157)

**Sources:**

CRA52S0002	CRAMPTON, B. - CRAMPTON #872 RSA #97528, DAV #38284, UCR #119108, SD #180598 1952-10-24
PRE94U0001	PRESTON, R. - LETTER TO CNDDB FROM ROB PRESTON REGARDING MIS-IDENTIFICATIONS IN ATRIPLEX OBSERVATIONS. 1994-09-07



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 92085	<b>EO Index:</b> 2064	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> PDCHE041F3	
<b>Occurrence Number:</b> 39	<b>Occurrence Last Updated:</b> 2014-04-18	

<b>Scientific Name:</b> <i>Extriplex joaquinana</i>	<b>Common Name:</b> San Joaquin spearscale
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.2
<b>Federal:</b> None	<b>Other Lists:</b> BLM_S-Sensitive
<b>State:</b> None	SB_RSABG-Rancho Santa Ana Botanic Garden
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G2	
<b>State:</b> S2	

<b>General Habitat:</b> CHENOPOD SCRUB, ALKALI MEADOW, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.	<b>Micro Habitat:</b> IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-835 M.
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<b>Last Date Observed:</b> 2013-05-15	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2013-05-15	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> SMUD, PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
2 MILES NORTH OF DAVIS, 0.3 MILE W OF RD 102 ALONG WILLOW SLOUGH BYPASS AND 0.1 MI W OF RD 102 ALONG CR 29.

**Detailed Location:**  
2 POLYGONS. SE POLYGON IS ON A 2 FT HIGH BERM ADJACENT TO DITCH. BASED ON AERIAL PHOTOS (2012), PLANTS WITHIN THE NW POLYGON HAVE BEEN EXTIRPATED. DISKING AND VEGETATION MANAGEMENT ON THE LEVEE HAVE REMOVED ALL HABITAT AT THAT SITE.

**Ecological:**  
NW POLYGON: ALKALI "SCALD" LOCATED IN AGRICULTURAL FIELD; ASSOCIATED WITH ASTRAGALUS TENER VAR. TENER POPULATION. SE POLY: SLIGHTLY ELEVATED BERM ADJACENT TO AGRICULTURAL RUNOFF DITCH DOMINATED BY ALKALI BULLRUSH.

**Threats:**  
THREATENED BY PLOWING, DISKING, PIPELINE PROJECT, EXCAVATION OF DRAINAGE DITCH, AND SITE LEVELING.

**General:**  
NW POLYGON: 5 PLANTS SEEN IN 1995, 5-10 PLANTS SEEN IN 1996. SE POLYGON: 38 PLANTS OBSERVED IN 2013; SITE QUALITY REPORTED AS FAIR.

<b>PLSS:</b> T09N, R02E, Sec. 27 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 13
<b>UTM:</b> Zone-10 N4272361 E610080	<b>Latitude/Longitude:</b> 38.59292 / -121.73597	<b>Elevation (feet):</b> 35

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

HEL13F0005	HELM, B. (HELM BIOLOGICAL CONSULTING) - FIELD SURVEY FORM FOR ATRIPLEX JOAQUINANA 2013-05-15
LEA96F0005	LEACH, S. - FIELD SURVEY FORM FOR ATRIPLEX JOAQUINIANA 1996-04-23
MAY95F0003	MAY, L. - FIELD SURVEY FORM FOR ATRIPLEX JOAQUINIANA 1995-04-19
PRE12F0003	PRESTON, R. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR ATRIPLEX JOAQUINANA 2012-05-08



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 28794  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 40

**EO Index:** 30161  
**Element Code:** PDCHE041F3  
**Occurrence Last Updated:** 2013-06-07

**Scientific Name:** *Extriplex joaquinana*

**Common Name:** San Joaquin spearscale

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G2  
**State:** S2

**Rare Plant Rank:** 1B.2  
**Other Lists:** BLM\_S-Sensitive  
 SB\_RSABG-Rancho Santa Ana Botanic Garden

**General Habitat:**

CHENOPOD SCRUB, ALKALI MEADOW, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.

**Micro Habitat:**

IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-835 M.

**Last Date Observed:** 1996-08-12  
**Last Survey Date:** 1996-08-12  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Poor  
**Trend:** Unknown

**Location:**

NORTH OF DAVIS, BETWEEN HUNT'S TOMATO PLANT & CHANNELIZED SLOUGH, EAST OF F STREET & 0.4-0.5 MI W OF RD 102.

**Detailed Location:**

MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 3.

**Ecological:**

HIGHLY DISTURBED ALKALI SINK HABITAT (PLOWED) WITH HEMIZONIA PUNGENS, POLYPOGON SP., BROMUS HORDEACEUS, SPERGULARIA SP., AND ATRIPLEX DEPRESSA.

**Threats:**

CURRENTLY FALLOW AG LAND. SITE PLANNED FOR DEVELOPMENT; THIS OCCURRENCE TO BE INCORPORATED INTO WILDLIFE AREA/PRESERVE.

**General:**

85 PLANTS ESTIMATED IN 1996. A 1915 KENNEDY COLLECTION FROM "DAVIS, ALKALI BELT OUTSKIRTS" AND A 1927 WIESENDANGER COLLECTION FROM "DAVIS, IN GRAIN FIELD" ARE ALSO ATTRIBUTED TO THIS OCCURRENCE.

**PLSS:** T08N, R02E, Sec. 03 (M)  
**UTM:** Zone-10 N4269882 E609867

**Accuracy:** specific area  
**Latitude/Longitude:** 38.57061 / -121.73881

**Area (acres):** 7  
**Elevation (feet):** 37

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- GAU96F0001 GAUSE, M. - FIELD SURVEY FORM FOR ATRIPLEX JOAQUINIANA 1996-08-12
- KEN15S0005 KENNEDY, P. - KENNEDY SN DAV #97467 1915-04-26
- WIE27S0001 WIESENDANGER, M. - WIESENDANGER #601 DAV #97492 1927-04-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 60327  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 71

**EO Index:** 60363  
**Element Code:** PDCHE041F3  
**Occurrence Last Updated:** 2005-03-04

**Scientific Name:** *Extriplex joaquinana*

**Common Name:** San Joaquin spearscale

**Listing Status:**  
**Federal:** None  
**State:** None  
**CNDDDB Element Ranks:**  
**Global:** G2  
**State:** S2

**Rare Plant Rank:** 1B.2  
**Other Lists:** BLM\_S-Sensitive  
 SB\_RSABG-Rancho Santa Ana Botanic Garden

**General Habitat:**

CHENOPOD SCRUB, ALKALI MEADOW, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.

**Micro Habitat:**

IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-835 M.

**Last Date Observed:** 2001-06-16

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 2001-06-16

**Occurrence Rank:** Unknown

**Owner/Manager:** DOD

**Trend:** Unknown

**Presence:** Presumed Extant

**Location:**

EAST OF DAVIS, 3.5 MILES SOUTH OF I-80 ON MACE BLVD, THEN 0.5 MILE EAST ALONG ENTRANCE ROAD, THEN SOUTH 400 YARDS.

**Detailed Location:**

10 YARDS WEST OF DEPARTMENT OF DEFENSE FENCE. MAPPED ACCORDING TO COORDINATES PROVIDED IN SOURCE.

**Ecological:**

ASSOCIATED WITH HORDEUM, LOLIUM, BROMUS HORDEACEUS, AND PLAGIOBOTHRYIS.

**Threats:**

**General:**

TWO PLANTS OBSERVED IN 2001.

**PLSS:** T08N, R03E, Sec. 31 (M)

**Accuracy:** 1/10 mile

**Area (acres):** 0

**UTM:** Zone-10 N4261955 E614565

**Latitude/Longitude:** 38.49860 / -121.68619

**Elevation (feet):** 40

**County Summary:**

Yolo

**Quad Summary:**

Saxon (3812146), Davis (3812156)

**Sources:**

SHE01S0001 SHEPARD, J. - SHEPARD #466 DAV #21413 2001-06-16



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 28795	<b>EO Index:</b> 30162
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> PDCHE042L0
<b>Occurrence Number:</b> 57	<b>Occurrence Last Updated:</b> 2009-05-18

<b>Scientific Name:</b> <i>Atriplex depressa</i>	<b>Common Name:</b> brittlescale
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.2
<b>Federal:</b> None	<b>Other Lists:</b>
<b>State:</b> None	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2	
<b>State:</b> S2	

<b>General Habitat:</b> CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	<b>Micro Habitat:</b> USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLAND; RARELY ASSOC W/RIPARIAN, MARSHES, OR VERNAL POOLS. 1-320 M.
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<b>Last Date Observed:</b> 1996-08-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1996-08-12	<b>Occurrence Rank:</b> Poor
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Decreasing
<b>Presence:</b> Presumed Extant	

**Location:**  
BETWEEN HUNT'S TOMATO PLANT AND CHANNELIZED SLOUGH, E OF F STREET AND 0.5 MILE W OF ROAD 102, ABOUT 1.5 MILE N OF DAVIS.

**Detailed Location:**  
MAPPED BASED ON MAP PROVIDED BY GAUSE. IN THE SW 1/4 NE 1/4 SECTION 3.

**Ecological:**  
HIGHLY DISTURBED ALKALI SINK HABITAT (PLOWED) WITH HEMIZONIA PUNGENS, ATRIPLEX ARGENTEA MOHAVENSIS, A. JOAQUINANA, SPERGULARIA SP, AND HORDEUM DEPRESSUM.

**Threats:**  
CURRENTLY FALLOW AG LAND. NEARBY DEVELOPMENT PLANNED; SITE TO BE INCORPORATED INTO WILDLIFE AREA/PRESERVE (1996).

**General:**  
70 PLANTS ESTIMATED IN 1996 BY GAUSE.

<b>PLSS:</b> T08N, R02E, Sec. 03 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269913 E609773	<b>Latitude/Longitude:</b> 38.57090 / -121.73988	<b>Elevation (feet):</b> 37

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Davis (3812156)

**Sources:**  
CRA52S0004 CRAMPTON, B. - CRAMPTON #873 RSA #97530, DAV #38285 1952-10-24  
GAU96F0002 GAUSE, M. - FIELD SURVEY FORM FOR ATRIPLEX DEPRESSA 1996-08-12



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b>	24740	<b>EO Index:</b>	7746
<b>Key Quad:</b>	Saxon (3812146)	<b>Element Code:</b>	PDFAB0F8R1
<b>Occurrence Number:</b>	33	<b>Occurrence Last Updated:</b>	2008-01-02

<b>Scientific Name:</b>	<i>Astragalus tener</i> var. <i>tener</i>	<b>Common Name:</b>	alkali milk-vetch
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	1B.2
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2T2 <b>State:</b> S2	<b>Other Lists:</b>	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

<b>Last Date Observed:</b>	1979-04-09	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2002-03-21	<b>Occurrence Rank:</b>	None
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Extirpated		

**Location:**  
SSE OF DAVIS ALONG TREMONT ROAD.

**Detailed Location:**  
MAPPED ALONG TREMONT ROAD IN SECTIONS 34, 35, AND 36.

**Ecological:**  
GROWING ON A LEVELLED ALKALINE FLAT.

**Threats:**

**General:**  
SITE BASED ON A 1979 COLLECTION BY B. CRAMPTON. WITHAM SEARCHED THE AREA IN 1990 BUT DID NOT FIND ANY PLANTS. IN 2002, WITHAM FOUND NO PLANTS AND NO NATURAL HABITAT ALONG TREMONT ROAD.

<b>PLSS:</b> T08N, R02E, Sec. 35 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b>	460
<b>UTM:</b> Zone-10 N4261536 E611560	<b>Latitude/Longitude:</b> 38.49520 / -121.72071	<b>Elevation (feet):</b>	40

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Saxon (3812146)

**Sources:**

CRA79S0001	CRAMPTON, B. - CRAMPTON #9682 DAV #34301 1979-04-09
LIS88U0001	LISTON, A. - LIST OF ASTRAGALUS TENER VAR. TENER COLLECTIONS. 1988-11-17
WIT02R0001	WITHAM, C. - ALKALINE VERNAL POOL MILK-VETCH STATUS SURVEY REPORT 2002-09-11
WIT90U0001	WITHAM, C. - BRIEF REPORT ON SEARCH FOR ASTRAGALUS TENER VAR. TENER IN YOLO AND SOLANO COUNTIES 1990-05-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 24738	<b>EO Index:</b> 19248	
<b>Key Quad:</b> Dixon (3812147)	<b>Element Code:</b> PDFAB0F8R1	
<b>Occurrence Number:</b> 34	<b>Occurrence Last Updated:</b> 2008-01-14	

<b>Scientific Name:</b> <i>Astragalus tener</i> var. <i>tener</i>	<b>Common Name:</b> alkali milk-vetch
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.2
<b>Federal:</b> None	<b>Other Lists:</b>
<b>State:</b> None	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2T2	
<b>State:</b> S2	

<b>General Habitat:</b> ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	<b>Micro Habitat:</b> LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.
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<b>Last Date Observed:</b> 1959-04-13	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2002-03-21	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**  
6 MILES SOUTH OF DAVIS.

**Detailed Location:**

**Ecological:**

**Threats:**

AGRICULTURE.

**General:**

SITE BASED ON A 1959 COLLECTION BY B. CRAMPTON. WITHAM SEARCHED THE AREA IN 1990 AND 2002 BUT DID NOT OBSERVE ANY PLANTS. NO NATURAL HABITAT FOUND ALONG SIKES, HACKMAN, & TREMONT RDS; ALL AG LAND.

<b>PLSS:</b> T07N, R02E, Sec. 16 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4257569 E608976	<b>Latitude/Longitude:</b> 38.45978 / -121.75096	<b>Elevation (feet):</b> 50

**County Summary:**

Solano

**Quad Summary:**

Saxon (3812146), Dixon (3812147)

**Sources:**

CRA59S0013	CRAMPTON, B. - CRAMPTON #5163 DAV #35696 1959-04-13
LIS88U0001	LISTON, A. - LIST OF ASTRAGALUS TENER VAR. TENER COLLECTIONS. 1988-11-17
WIT02R0001	WITHAM, C. - ALKALINE VERNAL POOL MILK-VETCH STATUS SURVEY REPORT 2002-09-11
WIT90U0001	WITHAM, C. - BRIEF REPORT ON SEARCH FOR ASTRAGALUS TENER VAR. TENER IN YOLO AND SOLANO COUNTIES 1990-05-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 24736	<b>EO Index:</b> 2065	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> PDFAB0F8R1	
<b>Occurrence Number:</b> 35	<b>Occurrence Last Updated:</b> 2008-01-14	

<b>Scientific Name:</b> <i>Astragalus tener</i> var. <i>tener</i>	<b>Common Name:</b> alkali milk-vetch
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.2
<b>Federal:</b> None	<b>Other Lists:</b>
<b>State:</b> None	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2T2	
<b>State:</b> S2	

<b>General Habitat:</b> ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	<b>Micro Habitat:</b> LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.
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<b>Last Date Observed:</b> 1996-04-23	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2002-03-18	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**  
2 MILES NORTH OF DAVIS, 0.3 MILE WEST OF ROAD 102 ALONG THE SOUTH SIDE OF WILLOW SLOUGH.

**Detailed Location:**

**Ecological:**

ALKALI "SCALD" LOCATED IN AGRICULTURAL FIELD. SURROUNDING FIELD USED FOR PRODUCTION OF FORAGE CROPS. ASSOCIATED WITH ATRIPLEX JOAQUINIANA, HEMIZONIA, CRYPISIS, HORDEUM GENICULATUM, LOLIUM PERENNE, & DISTICHLIS.

**Threats:**

AGRICULTURAL DEVELOPMENT AND MODIFICATION OF HYDROLOGY THREATENS (CONSTRUCTION OF NATURAL GAS PIPELINE).

**General:**

NO PLANTS IN 1990, 8 IN 1993, 300-400 IN 1995, 330 IN 1996, NONE IN 2002 (HYDROLOGY ALTERED, SITE WEEDY). PROBABLY EXIRPATED ACCORDING TO WITHAM. SITE ALSO KNOWN FROM TWO COLLECTIONS BY CRAMPTON IN 1953 AND 1954.

<b>PLSS:</b> T09N, R02E, Sec. 27 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4272359 E610081	<b>Latitude/Longitude:</b> 38.59290 / -121.73596	<b>Elevation (feet):</b> 35

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)

**Sources:**

- CRA53S0004 CRAMPTON, B. - CRAMPTON #1212 DAV #39175 1953-05-05
- CRA54S0008 CRAMPTON, B. - CRAMPTON #1758 DAV #38297 1954-04-08
- LEA93F0001 LEACH, S. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 1993-04-22
- LEA96F0004 LEACH, S. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 1996-04-23
- LIS88U0001 LISTON, A. - LIST OF ASTRAGALUS TENER VAR. TENER COLLECTIONS. 1988-11-17
- MAY95F0004 MAY, L. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 1995-04-19
- WIT02R0001 WITHAM, C. - ALKALINE VERNAL POOL MILK-VETCH STATUS SURVEY REPORT 2002-09-11
- WIT90U0001 WITHAM, C. - BRIEF REPORT ON SEARCH FOR ASTRAGALUS TENER VAR. TENER IN YOLO AND SOLANO COUNTIES 1990-05-17



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 24737	<b>EO Index:</b> 6739
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> PDFAB0F8R1
<b>Occurrence Number:</b> 36	<b>Occurrence Last Updated:</b> 2013-07-02

<b>Scientific Name:</b> <i>Astragalus tener</i> var. <i>tener</i>	<b>Common Name:</b> alkali milk-vetch
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.2
<b>Federal:</b> None	<b>Other Lists:</b>
<b>State:</b> None	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2T2	
<b>State:</b> S2	

<b>General Habitat:</b> ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	<b>Micro Habitat:</b> LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.
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<b>Last Date Observed:</b> 1951-03-25	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2006-XX-XX	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Possibly Extirpated	

**Location:**  
1.7 KM (1.1 MILES) NORTH OF DAVIS, PARALLELING THE RAILROAD TO WOODLAND.

**Detailed Location:**  
HUNT AND WESSON TOMATO CANNING PLANT PROPERTY. MAPPED BY CNDDDB AS BEST GUESS AROUND THE HUNT AND WESSON TOMATO CANNING PLANT PROPERTY AND THE RR TRACKS THAT ARE ABOUT 1.1 MILES NORTH OF DAVIS. INCLUDES COLLECTIONS FROM AROUND/NEAR DAVIS.

**Ecological:**

**Threats:**  
ALKALINE SOILS ON CANNING PLANT PROPERTY HAVE BECOME DENSELY VEGETATED WITH ANNUAL RYEGRASS. DITCHES SCRAPED/SPRAYED.

**General:**  
SITE BASED ON HISTORIC COLLECTIONS FROM "1.1 MI N OF DAVIS" & A 2009 SPECIES ACCOUNT. IN 2002, WITHAM FOUND NO PLANTS & NO NATURAL HABITAT PARALLELING RR GRADE; PROBABLY EXTIRPATED. NO PLANTS FOUND IN 2006 SURVEYS OF CANNING PLANT PROPERTY.

<b>PLSS:</b> T08N, R02E, Sec. 03 (M)	<b>Accuracy:</b> 3/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269779 E609855	<b>Latitude/Longitude:</b> 38.56968 / -121.73897	<b>Elevation (feet):</b> 40

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**

ESA35S0001	ESAU, K. - ESAU SN DAV #105436 1935-05-01
HAR42S0002	HARTMANN, D. - HARTMANN #1942 DAV #105438 (ALSO CITED IN LIS88U0001) 1942-04-12
JAC16S0001	JACOBS, C. - JACOBS SN DAV #105441 1916-04-01
LIS88U0001	LISTON, A. - LIST OF ASTRAGALUS TENER VAR. TENER COLLECTIONS. 1988-11-17
TUC51S0003	TUCKER, J. - TUCKER #2054 DAV #105444 1951-03-25
WIT02R0001	WITHAM, C. - ALKALINE VERNAL POOL MILK-VETCH STATUS SURVEY REPORT 2002-09-11
WIT90U0001	WITHAM, C. - BRIEF REPORT ON SEARCH FOR ASTRAGALUS TENER VAR. TENER IN YOLO AND SOLANO COUNTIES 1990-05-17
YOL09U0001	YOLO NATURAL HERITAGE PROGRAM - DRAFT SPECIES ACCOUNT FOR ALKALI MILKVETCH (ASTRAGALUS TENER VAR. TENER) 2009-04-20



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



<b>Map Index Number:</b> 24806	<b>EO Index:</b> 25844
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> PDFAB0F8R1
<b>Occurrence Number:</b> 44	<b>Occurrence Last Updated:</b> 2008-01-03

<b>Scientific Name:</b> <i>Astragalus tener</i> var. <i>tener</i>	<b>Common Name:</b> alkali milk-vetch
<b>Listing Status:</b> <b>Federal:</b> None	<b>Rare Plant Rank:</b> 1B.2
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b> <b>Global:</b> G2T2	
<b>State:</b> S2	

<b>General Habitat:</b> ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	<b>Micro Habitat:</b> LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.
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<b>Last Date Observed:</b> 2004-04-06	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2004-04-06	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> DOD-MCCLELLAN AFB	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
AIR FORCE COMMUNICATIONS FACILITY, SOUTH OF DAVIS.

**Detailed Location:**  
DAVIS COMMUNICATIONS ANNEX. EAST OF ROAD 104 AND BETWEEN ROADS 35 AND 36. MANY SMALL COLONIES MAPPED BY CNDDDB AS 5 POLYGONS.

**Ecological:**  
ON PESCADERO SOIL ADJACENT TO PONDED AREAS, IN AREAS OF LOWER PLANT COVER. ASSOCIATES INCLUDE SEVERAL ALKALINE WETLAND SPECIES SUCH AS FRANKENIA, PLAGIOBOTHRYIS STIPITATA STIPITATA, AND POGOYNE ZIZYPHOROIDES. OTHER RARE PLANTS ALSO HERE.

**Threats:**  
COMPETITION FROM SALSOLA, LEPIDIUM LATIFOLIUM, ETC. HISTORIC DISKING, HERBICIDE USE, AND FIRE SUPPRESSION.

**General:**  
65 PLANTS OBSERVED OVER 2.5 ACRES IN 1993 IN THE SOUTHERNMOST POLYGON. NONE FOUND IN 1995, 1996, OR 2002. 912 OBSERVED IN 2004 IN THE 4 NORTHERN POLYGONS.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 12
<b>UTM:</b> Zone-10 N4260981 E614678	<b>Latitude/Longitude:</b> 38.48980 / -121.68505	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**Sources:**

DAI93F0001	DAINS, V. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 1993-04-20
ESA04R0001	ESA - ENVIRONMENTAL SCIENCE ASSOCIATES - CALFED AT-RISK PLANT SPECIES, HABITAT RESTORATION AND RECOVERY, AND NON-NATIVE SPECIES MANAGEMENT 2004-10-XX
LEE04F0001	LEE, S. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 2004-04-06
OLS96F0004	OLSON, B. - FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER 1996-05-02
WIT02R0001	WITHAM, C. - ALKALINE VERNAL POOL MILK-VETCH STATUS SURVEY REPORT 2002-09-11



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 18

**EO Index:** 90784  
**Element Code:** PDFAB0F8R3  
**Occurrence Last Updated:** 2013-07-26

**Scientific Name:** *Astragalus tener var. ferrisiae*  
**Listing Status:**       **Federal:** None  
                                   **State:** None  
**CNDDDB Element Ranks:** **Global:** G2T1  
                                   **State:** S1

**Common Name:** Ferris' milk-vetch  
**Rare Plant Rank:** 1B.1  
**Other Lists:** BLM\_S-Sensitive

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

**Micro Habitat:**  
 SUBALKALINE FLATS ON OVERFLOW LAND IN THE CENTRAL VALLEY;  
 USUALLY SEEN IN DRY, ADOBE SOIL. 5-75M.

**Last Date Observed:** 1926-05-01  
**Last Survey Date:** 1926-05-01  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Unknown  
**Trend:** Unknown

**Location:**  
 DAVIS, UNIVERSITY OF CALIFORNIA FARM.

**Detailed Location:**  
 EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF DAVIS.

**Ecological:**  
 "AMONG GRAIN PLOTS, VOLUNTEER."

**Threats:**  
**General:**

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1926 COLLECTION BY KENNEDY. NEEDS FIELDWORK.

<b>PLSS:</b> T08N, R02E, Sec. 10 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267590 E608965	<b>Latitude/Longitude:</b> 38.55006 / -121.74951	<b>Elevation (feet):</b>

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano, Yolo	Davis (3812156), Merritt (3812157)

**Sources:**  
 KEN26S0001    KENNEDY, P. - KENNEDY SN DAV #105341 1926-05-01



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 89194  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 49

**EO Index:** 5744  
**Element Code:** PMPOA4C010  
**Occurrence Last Updated:** 2013-05-21

**Scientific Name:** *Neostapfia colusana*

**Common Name:** Colusa grass

**Listing Status:**  
**Federal:** Threatened  
**State:** Endangered  
**CNDDDB Element Ranks:**  
**Global:** G2  
**State:** S2

**Rare Plant Rank:** 1B.1  
**Other Lists:**

**General Habitat:**  
 VERNAL POOLS.

**Micro Habitat:**  
 USUALLY IN LARGE, OR DEEP VERNAL POOL BOTTOMS; ADOBE SOILS. 5-200 M.

**Last Date Observed:** 2011-10-15  
**Last Survey Date:** 2011-10-15  
**Owner/Manager:** DOD-MCCLELLAN AFB  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**  
 DAVIS AIR FORCE COMMUNICATION FACILITY. 4 MILES SOUTH OF INTERSTATE 80, EAST OF ROAD 104, BETWEEN ROAD 34 AND ROAD 35.

**Detailed Location:**  
 DAVIS COMMUNICATIONS ANNEX. POPULATION IS IN DRAINAGE IN THE SOUTHERN PORTION OF THE FACILITY. IN POOL #9. 2 POLYGONS MAPPED IN THE WEST HALF OF THE SE 1/4 OF SEC 31. WITHIN 1/4 MI OF EO #74, WHICH IS A TRANSPLANTED POPULATION.

**Ecological:**  
 PLAYA TYPE VERNAL POOL ON LOW AREA ON PESCADERO CLAY LOAM. ASSOCIATED WITH DOWNINGIA, LASTHENIA FREMONTII, PLAGIOBOTHRYIS, PSILOCARPUS, MYOSURUS, LEPIDIUM LATIFOLIUM, CRYPIS SCHOENOIDES, CRESSA TRUXILLENIS, & TUCTORIA MUCRONATA.

**Threats:**  
 HERBICIDE RUN-OFF, INVASION BY EXOTIC PLANTS, SHEEP GRAZING AND TRAMPLING/BEDDING DOWN IN POOLS, MISMANAGEMENT.

**General:**  
 N POLY: >1000 PLANTS IN 1993, 36000 IN '96, >100 IN '01, 8435 IN '03, 43732 IN '04, 22671 IN '05, 10897 IN '06, 0 IN '07, 8486 IN '08, 11314 IN '09, 20816 IN '10, 37400+ IN '11. S POLY: SEEN IN 2004 PER LEE, 0 IN 2003-2011 PER GERLACH.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 6
<b>UTM:</b> Zone-10 N4261120 E614659	<b>Latitude/Longitude:</b> 38.49106 / -121.68525	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

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ESA04R0001	ESA - ENVIRONMENTAL SCIENCE ASSOCIATES - CALFED AT-RISK PLANT SPECIES, HABITAT RESTORATION AND RECOVERY, AND NON-NATIVE SPECIES MANAGEMENT 2004-10-XX
GER09R0001	GERLACH, J. - FINAL REPORT: BIOLOGY, ECOLOGY, AND HABITAT REQUIREMENTS OF SOLANO GRASS (TUCTORIA MUCRONATA) AND COLUSA GRASS (NEOSTAPFIA COLUSANA); PREPARED FOR THE SOLANO COUNTY WATER AGENCY 2009-12-23
GER11R0002	GERLACH, J. - GRASSLANDS REGIONAL PARK FINAL REPORT TO YOLO COUNTY UNDER AGREEMENT NO. 2011-170 2011-08-30
GOR11A0001	GORDON, S. ET AL. - "POPULATION GENETIC DIVERSITY AND STRUCTURE OF TWO RARE VERNAL POOL GRASSES IN CALIFORNIA" IN CONSERVATION GENETICS 2011-10-05
HOG01F0016	HOGLE, I. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2001-09-04
HOL93F0003	HOLLAND, R. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 1993-06-10
HOL93S0005	HOLLAND, R. - HOLLAND SN DAV #105391 1993-06-10
LEE04F0004	LEE, S. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2004-07-06
OLS96F0007	OLSON, B. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 1996-06-27
VPT05F0017	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0018	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0019	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0020	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0021	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0022	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0023	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
VPT05F0024	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2005-08-05
WIT01F0001	WITHAM, C. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA & TUCTORIA MUCRONATA 2001-08-16
WIT13R0001	WITHAM, C. - STATUS SURVEYS FOR SEVEN FEDERALLY LISTED VERNAL POOL GRASSES AND CHAMAESYCE HOOVERI IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS (GREAT VALLEY), CALIFORNIA, USA 2013-03-25



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 25471	<b>EO Index:</b> 5800
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> PMPOA4C010
<b>Occurrence Number:</b> 58	<b>Occurrence Last Updated:</b> 2013-05-30

<b>Scientific Name:</b> <i>Neostapfia colusana</i>	<b>Common Name:</b> Colusa grass
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 1B.1
<b>Federal:</b> Threatened	<b>Other Lists:</b>
<b>State:</b> Endangered	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2	
<b>State:</b> S2	

<b>General Habitat:</b> VERNAL POOLS.	<b>Micro Habitat:</b> USUALLY IN LARGE, OR DEEP VERNAL POOL BOTTOMS; ADOBE SOILS. 5-200 M.
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<b>Last Date Observed:</b> 2011-10-15	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2011-10-15	<b>Occurrence Rank:</b> Poor
<b>Owner/Manager:</b> DOD-MCCLELLAN AFB, YOL COUNTY	<b>Trend:</b> Decreasing
<b>Presence:</b> Presumed Extant	

**Location:**  
IN DRAINAGE ON THE EAST SIDE OF THE DAVIS AIR FORCE COMMUNICATIONS FACILITY, 2.5 MILES NNW OF SAXON.

**Detailed Location:**  
FACILITY IS 4 MILES SOUTH OF DAVIS, EAST OF ROAD 104 AND BETWEEN ROAD 35 AND ROAD 36. MAPPED ALONG SECTION LINE BETWEEN THE SE 1/4 OF NE 1/4 OF SECTION 31 AND SW 1/4 OF NW 1/4 OF SECTION 32 ACCORDING TO 2013 WITHAM DIGITAL DATA. IN POOL #3.

**Ecological:**  
PLAYA TYPE VERNAL POOL ON PESCADERO CLAY LOAM. GROWING PRIMARILY ON DISTURBED GROUND IN AREAS OF LOW COMPETITION. THIS POPULATION OCCURS AS A VIRTUAL MONOCULTURE. WITH DOWNINGIA SPP., LASTHENIA FREMONTII, PLAGIOBOTHRYUS, PSILOCARPHUS, ETC.

**Threats:**  
THREATS: HERBICIDE RUN-OFF, INVASION BY EXOTIC PLANTS, SHEEP GRAZING AND TRAMPLING. DAMAGED BY REMOVAL OF CONCRETE.

**General:**  
SEVERAL THOUSAND PLANTS IN 1993. 1000 IN 1996. 2,208 PLANTS BETWEEN THIS EO AND EO #49 IN 2004. 842 PLANTS IN 2005, 9013 IN 2006, 0 IN 2007, 12 IN 2008, 0 IN 2009, 21 IN 2010, 100 IN 2011. POOL DAMAGED IN 2009 WHEN CONCRETE ANCHOR REMOVED.

<b>PLSS:</b> T08N, R03E, Sec. 32 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 1
<b>UTM:</b> Zone-10 N4261671 E615342	<b>Latitude/Longitude:</b> 38.49593 / -121.67732	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**Sources:**

ESA04R0001	ESA - ENVIRONMENTAL SCIENCE ASSOCIATES - CALFED AT-RISK PLANT SPECIES, HABITAT RESTORATION AND RECOVERY, AND NON-NATIVE SPECIES MANAGEMENT 2004-10-XX
GER09R0001	GERLACH, J. - FINAL REPORT: BIOLOGY, ECOLOGY, AND HABITAT REQUIREMENTS OF SOLANO GRASS (TUCTORIA MUCRONATA) AND COLUSA GRASS (NEOSTAPFIA COLUSANA); PREPARED FOR THE SOLANO COUNTY WATER AGENCY 2009-12-23
GER11R0002	GERLACH, J. - GRASSLANDS REGIONAL PARK FINAL REPORT TO YOLO COUNTY UNDER AGREEMENT NO. 2011-170 2011-08-30
HOL93F0003	HOLLAND, R. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 1993-06-10
LEE04F0004	LEE, S. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2004-07-06
OLS96F0005	OLSON, B. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 1996-06-27
SHE00S0005	SHEPARD, J. - SHEPARD #278 UCR #220399, DAV #21320 2000-05-26
WIT13R0001	WITHAM, C. - STATUS SURVEYS FOR SEVEN FEDERALLY LISTED VERNAL POOL GRASSES AND CHAMAESYCE HOOVERI IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS (GREAT VALLEY), CALIFORNIA, USA 2013-03-25



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 89258  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 74

**EO Index:** 90255  
**Element Code:** PMPOA4C010  
**Occurrence Last Updated:** 2013-05-22

**Scientific Name:** *Neostapfia colusana*

**Common Name:** Colusa grass

**Listing Status:**       **Federal:** Threatened  
                               **State:** Endangered  
**CNDDDB Element Ranks:** **Global:** G2  
                                   **State:** S2

**Rare Plant Rank:** 1B.1  
**Other Lists:**

**General Habitat:**  
 VERNAL POOLS.

**Micro Habitat:**  
 USUALLY IN LARGE, OR DEEP VERNAL POOL BOTTOMS; ADOBE SOILS. 5-200 M.

**Last Date Observed:** 2011-10-15  
**Last Survey Date:** 2011-10-15  
**Owner/Manager:** YOLO COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Transplant Outside of Native Hab./Range  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 YOLO GRASSLANDS REGIONAL PARK; APPROXIMATELY 0.8 AIR MILE EAST OF TREMONT CEMETERY.

**Detailed Location:**  
 2 POOLS MAPPED AS A SINGLE POLYGON ACCORDING TO 2013 WITHAM DIGITAL DATA IN THE NE 1/4 OF THE SW 1/4 OF SEC 31. THIS IS WITHIN A 1/4 MI OF EO#49, BUT KEPT AS A SEPARATE OCCURRENCE BECAUSE THESE ARE TRANSPLANTED PLANTS IN CREATED POOLS.

**Ecological:**  
 CREATED VERNAL POOLS, MOSTLY BARE GROUND. THE RARE TUCTORIA MUCRONATA ALSO PLANTED IN ONE OF THE POOLS.

**Threats:**  
 SOME MIS-MANAGEMENT ISSUES: GRAZING MANAGEMENT AND FIREBREAK MANAGMENT.

**General:**  
 327 PLANTS SEEN IN 2009, 167 PLANTS SEEN IN 2010, AND 282 PLANTS SEEN IN 2011.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 1
<b>UTM:</b> Zone-10 N4261514 E614367	<b>Latitude/Longitude:</b> 38.49464 / -121.68853	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Saxon (3812146)

**Sources:**

GER11R0002	GERLACH, J. - GRASSLANDS REGIONAL PARK FINAL REPORT TO YOLO COUNTY UNDER AGREEMENT NO. 2011-170 2011-08-30
WIT11F0004	WITHAM, C. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2011-10-15
WIT13R0001	WITHAM, C. - STATUS SURVEYS FOR SEVEN FEDERALLY LISTED VERNAL POOL GRASSES AND CHAMAESYCE HOOVERI IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS (GREAT VALLEY), CALIFORNIA, USA 2013-03-25



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 89194  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 3

**EO Index:** 6337  
**Element Code:** PMPOA6N020  
**Occurrence Last Updated:** 2013-05-10

**Scientific Name:** *Tuctoria mucronata*

**Common Name:** Crampton's tuctoria or Solano grass

**Listing Status:**  
**Federal:** Endangered  
**State:** Endangered  
**CNDDB Element Ranks:**  
**Global:** G1  
**State:** S1

**Rare Plant Rank:** 1B.1  
**Other Lists:** SB\_RSABG-Rancho Santa Ana Botanic Garden

**General Habitat:**

VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.

**Micro Habitat:**

CLAY BOTTOMS OF DRYING VERNAL POOLS AND LAKES IN VALLEY GRASSLAND. 5-10 M.

**Last Date Observed:** 2011-10-15  
**Last Survey Date:** 2011-10-15  
**Owner/Manager:** DOD-MCCLELLAN AFB, YOLO COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** Good  
**Trend:** Unknown

**Location:**

DAVIS AIR FORCE COMMUNICATION FACILITY, EAST OF ROAD 104, BETWEEN ROAD 34 AND ROAD 35, 4 MILES SOUTH OF I-80.

**Detailed Location:**

DAVIS COMMUNICATIONS ANNEX. 2 POLYGONS MAPPED ACCORDING TO 2013 WITHAM DIGITAL DATA IN THE WEST HALF OF THE SE 1/4 SECTION 31. PART OF OCCURRENCE MANAGED BY YOLO COUNTY PARKS. WITHIN 1/4 MI OF EO#4, WHICH IS A TRANSPLANTED POPULATION.

**Ecological:**

LOW AREA ON PESCADERO CLAY LOAM. N SUBPOP RESTRICTED TO DISTURBED GROUND. S SUBPOP IN ALKALI SCALD, ALSO SHOWS SIGNS OF DISTURBANCE. ASSOCIATES INCLUDE CRYPHIS SCHOENOIDES AND LEPIDIUM LATIFOLIUM. NEOSTAFIA COLUSANA ALSO PRESENT.

**Threats:**

FORMER GROUND DISTURBANCE: BORROW PITS & FIREBREAKS. INVASION BY NONNATIVE PLANTS, MIS-MANAGEMENT.

**General:**

2 POLYGONS WITH ~10,000 PLANTS TOTAL IN 1993, 2700 IN 1996, 1993 IN 2001, 4588 IN 2003, ~24,000 IN 2004, 10,364 IN 2005, 2216 IN 2006, 0 IN 2007, 5350 IN 2008, 364 IN 2009, 6970 IN 2010, 11,400 IN 2011. WEEDS TAKING OVER BY 2001.

**PLSS:** T08N, R03E, Sec. 31 (M)  
**UTM:** Zone-10 N4261120 E614659

**Accuracy:** specific area  
**Latitude/Longitude:** 38.49106 / -121.68525

**Area (acres):** 6  
**Elevation (feet):** 25

**County Summary:**

Yolo

**Quad Summary:**

Saxon (3812146)



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Sources:**

---

ESA04R0001	ESA - ENVIRONMENTAL SCIENCE ASSOCIATES - CALFED AT-RISK PLANT SPECIES, HABITAT RESTORATION AND RECOVERY, AND NON-NATIVE SPECIES MANAGEMENT 2004-10-XX
GAM98I0003	GAME, J. - PHOTOS OF TUCTORIA MUCRONATA, CALPHOTOS ID #8251 3201 1721 0005-0009 1998-08-02
GER09R0001	GERLACH, J. - FINAL REPORT: BIOLOGY, ECOLOGY, AND HABITAT REQUIREMENTS OF SOLANO GRASS (TUCTORIA MUCRONATA) AND COLUSA GRASS (NEOSTAPFIA COLUSANA); PREPARED FOR THE SOLANO COUNTY WATER AGENCY 2009-12-23
GER11R0002	GERLACH, J. - GRASSLANDS REGIONAL PARK FINAL REPORT TO YOLO COUNTY UNDER AGREEMENT NO. 2011-170 2011-08-30
HOG01F0016	HOGLE, I. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA 2001-09-04
HOL93F0002	HOLLAND, R. - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 1993-06-10
HOL93S0004	HOLLAND, R. - HOLLAND SN DAV #93420 1993-06-10
LEE04F0002	LEE, S. - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2004-07-06
OLS96F0006	OLSON, B. - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 1996-06-27
VPT05F0056	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0058	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0059	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0060	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0061	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0062	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0063	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0064	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0065	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
VPT05F0066	VERNAL POOL TEAM (UNIVERSITY OF CALIFORNIA, DAVIS) - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2005-08-05
WIT01F0001	WITHAM, C. - FIELD SURVEY FORM FOR NEOSTAPFIA COLUSANA & TUCTORIA MUCRONATA 2001-08-16
WIT13R0001	WITHAM, C. - STATUS SURVEYS FOR SEVEN FEDERALLY LISTED VERNAL POOL GRASSES AND CHAMAESYCE HOOVERI IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS (GREAT VALLEY), CALIFORNIA, USA 2013-03-25



**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Map Index Number:** 89196  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 4

**EO Index:** 90198  
**Element Code:** PMPOA6N020  
**Occurrence Last Updated:** 2013-05-10

**Scientific Name:** *Tuctoria mucronata*

**Common Name:** Crampton's tuctoria or Solano grass

**Listing Status:**       **Federal:** Endangered  
                               **State:** Endangered  
**CNDDB Element Ranks:** **Global:** G1  
                                   **State:** S1

**Rare Plant Rank:** 1B.1  
**Other Lists:** SB\_RSABG-Rancho Santa Ana Botanic Garden

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

**Micro Habitat:**  
 CLAY BOTTOMS OF DRYING VERNAL POOLS AND LAKES IN VALLEY GRASSLAND. 5-10 M.

**Last Date Observed:** 2011-10-15  
**Last Survey Date:** 2011-10-15  
**Owner/Manager:** YOLO COUNTY  
**Presence:** Presumed Extant

**Occurrence Type:** Transplant Outside of Native Hab./Range  
**Occurrence Rank:** Fair  
**Trend:** Unknown

**Location:**  
 YOLO GRASSLANDS REGIONAL PARK; APPROXIMATELY 0.8 AIR MILE EAST OF TREMONT CEMETARY.

**Detailed Location:**  
 2 POOLS MAPPED AS A SINGLE POLYGON ACCORDING TO 2013 WITHAM DIGITAL DATA IN THE NE 1/4 OF THE SW 1/4 OF SEC 31. THIS IS WITHIN A 1/4 MI OF EO#3, BUT KEPT AS A SEPARATE OCCURRENCE BECAUSE THESE ARE TRANSPLANTED PLANTS IN CREATED POOLS.

**Ecological:**  
 CREATED VERNAL POOLS, MOSTLY BARE GROUND. THE RARE NEOSTAPFIA COLUSANA ALSO PLANTED IN ONE OF THE POOLS.

**Threats:**  
 SOME MIS-MANAGEMENT ISSUES: GRAZING MANAGEMENT AND FIREBREAK MANAGMENT.

**General:**  
 16 PLANTS OBSERVED IN 2011.

<b>PLSS:</b> T08N, R03E, Sec. 31 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 2
<b>UTM:</b> Zone-10 N4261513 E614344	<b>Latitude/Longitude:</b> 38.49464 / -121.68879	<b>Elevation (feet):</b> 25

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	Saxon (3812146)

**Sources:**

GER11R0002	GERLACH, J. - GRASSLANDS REGIONAL PARK FINAL REPORT TO YOLO COUNTY UNDER AGREEMENT NO. 2011-170 2011-08-30
WIT11F0002	WITHAM, C. - FIELD SURVEY FORM FOR TUCTORIA MUCRONATA 2011-10-15
WIT13R0001	WITHAM, C. - STATUS SURVEYS FOR SEVEN FEDERALLY LISTED VERNAL POOL GRASSES AND CHAMAESYCE HOOVERI IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS (GREAT VALLEY), CALIFORNIA, USA 2013-03-25



**California Department of Fish and Wildlife  
California Natural Diversity Database (CNDDDB)**

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**SPECIAL ANIMALS LIST**

**March 2015**

Recommended Citation:

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Special Animals List. Periodic publication. 51 pp.

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## Special Animals

(899 taxa)

Last updated March 2015

“Special Animals” is a broad term used to refer to all the animal taxa tracked by the Department of Fish and Wildlife’s California Natural Diversity Database (CNDDDB), regardless of their legal or protection status. This list is also referred to as the list of “species at risk” or “special status species”. The Department of Fish and Wildlife considers the taxa on this list to be those of greatest conservation need. The species on this list in 2005 were used in the development of California’s Wildlife Action Plan (available at: <http://www.dfg.ca.gov/SWAP/>). The Special Animals list includes species, subspecies, or Evolutionarily Significant Units (ESU) where at least one of the following conditions applies:

- Officially listed or proposed for listing under the State and/or Federal Endangered Species Acts;
- Taxa considered by the Department to be a Species of Special Concern (SSC);
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act Guidelines. (More information on CEQA is available at: <http://resources.ca.gov/ceqa/guidelines>)
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range but not currently threatened with extirpation;
- Population(s) in California that may be peripheral to the major portion of a taxon’s range but are threatened with extirpation in California;
- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g. wetlands, riparian, vernal pools, old growth forests, desert aquatic systems, native grasslands, valley shrubland habitats, etc.);
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or a non-governmental organization (NGO) and determined by the CNDDDB to be rare, restricted, declining, or threatened across their range in California.

**Taxa marked with a “+” to the left of the scientific name are those for which there is location information in the CNDDDB Geographic Information System (GIS), as of the date of this list.**

Additional information on the CNDDDB is available on the Department of Fish and Wildlife web site at: <http://www.dfg.ca.gov/biogeodata/cnddb>

Additional information on other Department resource management programs is available at: <https://www.wildlife.ca.gov/Conservation>

The Species Conservation & Recovery Program has additional information on wildlife habitat, threats, and survey guidelines at: <http://www.dfg.ca.gov/wildlife/nongame>

## NatureServe Element Ranking

All Heritage Programs, such as the California Natural Diversity Database (CNDDDB) use the same ranking methodology, originally developed by The Nature Conservancy and now maintained and recently revised by NatureServe. It includes a **Global rank** (G-rank), describing the rank for a given taxon over its entire distribution and a **State rank** (S-rank), describing the rank for the taxon over its state distribution. For subspecies and varieties, there is also a “T” rank describing the global rank for the infraspecific taxon. The next page of this document details the criteria used to assign element ranks, from G1 to G5 for the Global rank and from S1 to S5 for the State rank. Procedurally, state programs such as the CNDDDB develop the State ranks. The Global ranks are determined collaboratively among the Heritage Programs for the states/provinces containing the species. NatureServe then checks for consistency and logical errors at the national level. Because the units of conservation may include non-taxonomic biological entities such as populations or ecological communities, NatureServe refers to the targets of biological conservation as elements rather than taxa.

An element rank is assigned using standard criteria and rank definitions. This standardization makes the ranks comparable between organisms and across political boundaries. NatureServe has developed a “rank calculator” to help increase repeatability and transparency of the ranking process. The three main categories that are taken into consideration when assigning an element rank are rarity, threats, and trends. Within these three categories, various factors are considered including:

- Range extent, area of occupancy, population size, total number of occurrences, environmental specificity and number of good occurrences (ranked A or B).
- Overall threat impact as well as intrinsic vulnerability (if threats are unknown).
- Long-term and short-term trends.

Detailed information on the newest element ranking methodology can be found here: [https://connect.natureserve.org/publications/StatusAssess\\_Methodology](https://connect.natureserve.org/publications/StatusAssess_Methodology)

With the above considerations in mind, refer below for the numerical definitions for G1-5 and S1-5. An element’s ranking status may be adjusted up or down depending upon the considerations above.

## Element Ranking

### GLOBAL RANKING

The *global rank* (G-rank) is a reflection of the overall status of an element throughout its global range. **Both Global and State ranks represent a letter and number score that reflects a combination of Rarity, Threat, and Trend factors, with weighting being heavier on Rarity than the other two.**

### SPECIES OR NATURAL COMMUNITY LEVEL

- G1 = Critically Imperiled**—At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
- G2 = Imperiled**—At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
- G3 = Vulnerable**—At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
- G4 = Apparently Secure**—Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- G5 = Secure**—Common; widespread and abundant.

### SUBSPECIES LEVEL

Taxa which are subspecies or varieties receive a taxon rank (**T-rank**) attached to their G-rank. Where the G-rank reflects the condition of the entire species, the T-rank reflects the global situation of just the subspecies. For example: the Point Reyes mountain beaver, *Aplodontia rufa* ssp. *phaea* is ranked G5T2. The G-rank refers to the whole species range i.e., *Aplodontia rufa*. The T-rank refers only to the global condition of ssp. *phaea*.

### STATE RANKING

The *state rank* (S-rank) is assigned much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.

- S1 = Critically Imperiled**—Critically imperiled in the state because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
- S2 = Imperiled**—Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.
- S3 = Vulnerable**—Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the state.
- S4 = Apparently Secure**—Uncommon but not rare in the state; some cause for long-term concern due to declines or other factors.
- S5 = Secure**—Common, widespread, and abundant in the state.

### Notes:

1.	Other considerations used when ranking a species or natural community include the pattern of distribution of the element on the landscape, fragmentation of the population/stands, and historical extent as compared to its modern range. It is important to take a <b>bird's eye or aerial view</b> when ranking sensitive elements rather than simply counting element occurrences.		3.	Other symbols:  GH All sites are <b>historical</b> ; the element has not been seen for at least 20 years, but suitable habitat still exists (SH = All California sites are historical).  GX All sites are <b>extirpated</b> ; this element is extinct in the wild (SX = All California sites are extirpated).  GXC Extinct in the wild; exists in cultivation.  G1Q The element is very rare, but there are <b>taxonomic questions</b> associated with it.  T Rank applies to a subspecies or variety.
2.	Uncertainty about the rank of an element is expressed in two major ways:  By expressing the ranks as a <b>range</b> of values: e.g., S2S3 means the rank is somewhere between S2 and S3.  By adding a "?" to the rank: e.g., S2? This represents more certainty than S2S3, but less certainty than S2.			

## Animal Element Occurrences and Mapping

### **What is an Element Occurrence?**

An Element Occurrence (EO) is a location where the element has been documented to occur. It is a concept developed and applied within the NatureServe natural heritage network. **An EO is not a population**, but it may indicate that a population is present in that area; and a single population may be represented by more than one EO. An EO is based upon the source documents available to us at the time it was mapped. Both the mapped feature and the text portion of EO's are updated as new information becomes available.

### **Element Occurrence (EO) Definitions vary by taxa:**

The EO definition refers to the types of information we map. For most animal taxa, the CNDDDB is interested in information that indicates the presence of a resident population. However, for many migratory birds the CNDDDB tracks detections of nest sites or behaviors indicating reproduction is occurring at the site. Details about avian detections are available in our Submitting Avian Detections document at:

[https://www.dfg.ca.gov/biogeodata/cnddb/submitting\\_data\\_to\\_cnddb.asp](https://www.dfg.ca.gov/biogeodata/cnddb/submitting_data_to_cnddb.asp). For other taxa where we track only a certain part of their range or life history, the area or life stage is indicated on the list under the "Comment" column.

### **Mapping Conventions:**

Our information is mapped to balance precision and uncertainty, based upon the source materials used to determine the location of the element occurrence (EO). Data with precise location information are mapped with 80m radius circles or specific polygons. Data with vague location information are mapped with non-specific circular features or non-specific polygons. Non-specific features indicate that the species was found somewhere within the mapped area, but the exact location was unknown. Generally, observations/collections within ¼ mile and/or within continuous habitat, are combined into a single element occurrence (EO).

## Taxonomic References

Last updated March 2015

### **Taxonomic References and Sources of Additional Information:**

The CNDDDB follows current published taxonomy for animals as recognized by the scientific organizations listed below. The CNDDDB reviews publications that propose new taxonomy and nomenclature for CNDDDB-tracked species, and evaluates whether these proposals are recognized and accepted by the larger scientific community. The CNDDDB makes every effort to use the best available science in the taxonomy we use, but different experts may recognize different names for some time after a taxonomic change is proposed. In these cases, the CNDDDB will generally use the preexisting nomenclature until a change is formally recognized beyond the initial publication. In addition, the CNDDDB recognizes some taxa identified by experts on the California fauna where these taxa may not be recognized by national biological societies. We generally follow the taxonomy used by NatureServe, with additional evaluation of taxonomy from the following sources:

#### **For reptiles and amphibians:**

The Center for North American Herpetology (<http://www.cnah.org>)

The Society for the Study of Amphibians and Reptiles (<http://www.ssarherps.org>)

#### **For fish:**

Moyle, P. B. 2002. Inland Fishes of California. University of California Press.

Nelson, J.S., E.J. Crossman, H. Espinosa-Perez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J. D. Williams. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico. American Fisheries Society, Special Publication 29, Bethesda, Maryland. 386 pp.

Jelks, H.L., S.J. Walsh, N.M. Burkhead, S. Contreras-Balderas, E. Díaz-Pardo, D.A. Hendrickson, J. Lyons, N.E. Mandrak, F. McCormick, J.S. Nelson, S.P. Platania, B.A. Porter, C.B. Renaud, J.J. Schmitter-Soto, E.B. Taylor, and M.L. Warren, Jr. 2008. Conservation status of imperiled North American freshwater and diadromous fishes. *Fisheries* 33(8):372-407.

#### **For birds:**

The checklist of the American Ornithologists' Union: <http://checklist.aou.org/>

#### **For mammals:**

The American Society of Mammalogists:

<http://www.mammalsociety.org/publications/mammalian-species>

Baker, R.J., L.C. Bradley, R.D. Bradley, J.W. Dragoo, M.D. Engstrom, R.S. Hoffman, C.A. Jones, F. Reid, D.W. Rice, & C. Jones. 2003. Revised Checklist of North American Mammals North of Mexico, 2003. Museum of Texas Tech University Occasional Papers 229:1-23. Available at: <http://www.nsr.ttu.edu/publications/opapers/ops/op229.pdf>

## Listing and Special Status Information

Last updated March, 2015

**CALIFORNIA ENDANGERED SPECIES ACT (CESA) LISTING CODES:** The listing status of each species is current as of the date of this list. The most current changes in listing status will be found in the “Endangered and Threatened Animals List,” which the CNDDDB updates and issues quarterly.

SE	State listed as Endangered
ST	State listed as Threatened
SCE	State candidate for listing as Endangered
SCT	State candidate for listing as Threatened
SCD	State candidate for delisting

**FEDERAL ENDANGERED SPECIES ACT (ESA) LISTING CODES:** The listing status is current as of the date of this list. The most current changes in listing status will be found in the “Endangered and Threatened Animals List,” which the CNDDDB updates and issues quarterly. Federal listing actions contained in the Federal Register are also available at:

<http://www.regulations.gov>

FE	Federally listed as Endangered
FT	Federally listed as Threatened
FPE	Federally proposed for listing as Endangered
FPT	Federally proposed for listing as Threatened
FPD	Federally proposed for delisting
FC	Federal candidate species (former Category 1 candidates)

Section 4(c)(2)(A) of the Act requires the U.S. Fish and Wildlife Service to conduct a **review** of listed species at least once every **five** years. Five year reviews from the Pacific Southwest Region are available at: <http://www.fws.gov/cno/es/recovery.html>

### **OTHER STATUS CODES**

The status of species on the Special Animals List according to other conservation organizations is provided. Taxa on these lists are reviewed for inclusion in the CNDDDB Special Animals List, but are not automatically included. For example, taxa that are regionally rare within a portion of California may not be included, because they may be of lesser conservation concern across their full range in California.

**American Fisheries Society (AFS):** Designations for freshwater and diadromous species were taken from the paper:

Jelks, H.L., S.J. Walsh, N.M. Burkhead, S. Contreras-Balderas, E. Díaz-Pardo, D.A. Hendrickson, J. Lyons, N.E. Mandrak, F. McCormick, J.S. Nelson, S.P. Platania, B.A. Porter, C.B. Renaud, J.J. Schmitter-Soto, E.B. Taylor, and M.L. Warren, Jr. 2008. Conservation status of imperiled North American freshwater and diadromous fishes. *Fisheries* 33(8):372-407.

Available at: [http://www.fs.fed.us/rm/pubs\\_other/rmrs\\_2008\\_jelks\\_h001.pdf](http://www.fs.fed.us/rm/pubs_other/rmrs_2008_jelks_h001.pdf)

Designations for marine and estuarine species were taken from the paper:

Musick, J.A. et al. 2000. "Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). Fisheries 25(11):6-30.

Available at: <http://www.flmnh.ufl.edu/fish/sharks/sawfish/Reprint1390.pdf>

**BLM Sensitive:** Bureau of Land Management (BLM) Manual §6840 states that "BLM sensitive species are: (1) species listed or proposed for listing under the Endangered Species Act (ESA), and (2) species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the ESA, which are designated as Bureau sensitive by the State Director(s). All Federal candidate species, proposed species, and delisted species in the 5 years following delisting will be conserved as Bureau sensitive species." The California-BLM Sensitive Animals list is available at:

<http://www.blm.gov/ca/st/en/prog/wildlife.html>

**CDF Sensitive:** California Department of Forestry and Fire Protection classifies "sensitive species" as those species that warrant special protection during timber operations. The list of "sensitive species" is given in §895.1 (Definitions) of the California Forest Practice Rules. The 2014 Forest Practice Rules are available at:

[http://www.calfire.ca.gov/resource\\_mgt/resource\\_mgt\\_forestpractice.php](http://www.calfire.ca.gov/resource_mgt/resource_mgt_forestpractice.php).

**CDFW Species of Special Concern (SSC):** It is the goal and responsibility of the Department of Fish and Wildlife to maintain viable populations of all native species. To this end, the Department has designated certain vertebrate species as Species of Special Concern because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction. The goal of designating species as "Species of Special Concern" is to halt or reverse their decline by calling attention to their plight and addressing the issues of concern early enough to secure their long term viability. Not all "Species of Special Concern" have declined equally; some species may be just starting to decline, while others may have already reached the point where they meet the criteria for listing as a "Threatened" or "Endangered" species under the State and/or Federal Endangered Species Acts. More information is available at: <https://www.dfg.ca.gov/wildlife/nongame/ssc/>

**CDFW Fully Protected:** The classification of Fully Protected was the State's initial effort to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, amphibians and reptiles, birds and mammals. Most of the species on these lists have subsequently been listed under the California and/or Federal Endangered Species Acts; the exceptions are white-tailed kite, golden eagle, trumpeter swan, northern elephant seal, and ring-tailed cat. The white-tailed kite and the golden eagle are tracked in the CNDDDB; the trumpeter swan, northern elephant seal and ring-tailed cat are not. The Fish and Game Code sections dealing with Fully Protected species state that these species "...may not be taken or possessed at any time and no provision of this code or any other law shall be construed to authorize the issuance of permits or licenses to take any fully protected" species, although take may be authorized for necessary scientific research. This language arguably makes the "Fully Protected" designation the strongest and most restrictive regarding the "take" of these species. In 2003, the code sections dealing with Fully Protected species were amended to allow the Department to authorize take resulting from recovery activities for state-listed species. More information on Fully Protected species and the take provisions can be found in the Fish and Game Code, (birds at §3511, mammals at §4700, reptiles and amphibians at §5050, and fish at §5515). Additional information on Fully Protected

fish can be found in the California Code of Regulations, Title 14, Division 1, Subdivision 1, Chapter 2, Article 4, §5.93. The category of Protected Amphibians and Reptiles in Title 14 has been repealed. [The Fish and Game Code](#) and [Title 14 of the California Code of Regulations](#) are available online.

**IUCN - The International Union for Conservation of Nature (IUCN):** The IUCN assesses, on a global scale, the conservation status of species, subspecies, varieties and even selected subpopulations in order to highlight taxa threatened with extinction, and therefore promote their conservation. Detailed information on the IUCN and the Red List is available at: <http://www.iucnredlist.org>

**Marine Mammal Commission Marine Mammal Species of Special Concern:** Section 202 of the Marine Mammal Protection Act directs the Marine Mammal Commission, in consultation with its Committee of Scientific Advisors, to make recommendations to the Department of Commerce, the Department of the Interior, and other federal agencies on research and management actions needed to conserve species of marine mammals. To meet this charge, the Commission devotes special attention to particular species and populations that are vulnerable to various types of human-related activities, impacts, and contaminants. Such species may include marine mammals listed as Endangered or Threatened under the Endangered Species Act or as depleted under the Marine Mammal Protection Act. In addition, the Commission often directs special attention to other species or populations of marine mammals not so listed whenever special conservation challenges arise that may affect them. More information on the Marine Mammal Protection Act and the Marine Mammal Species of Special Concern list is available at: <http://www.mmc.gov/species/welcome.shtml>.

**North American Bird Conservation Initiative (NABCI):** The North American Bird Conservation Initiative is a coalition of government agencies and private organizations that works to ensure the long-term health North America's native bird populations. They publish an annual State of the Birds report which includes a watch list of bird species in need of conservation help. Species on the list are assigned to either the Red Watch List for species with extremely high vulnerability, or Yellow Watch List for species that may be range restricted or may be more widespread but with declines and high threats. More information is available at: <http://stateofthebirds.org>.

**National Marine Fisheries Service (NMFS) Species of Concern:** The Office of Protected Resources (OPR) is a headquarters program office of NOAA's National Marine Fisheries Service (NOAA Fisheries Service, or NMFS), under the U.S. Department of Commerce, with responsibility for protecting marine mammals and endangered marine life. NOAA's Office of Protected Resources works to conserve, protect, and recover species under the Endangered Species Act (ESA) and the Marine Mammal Protection Act (MMPA). The category "Species of Concern" was established by the National Marine Fisheries Service (NMFS) effective 15 April 2004. Species of Concern are those species about which NOAA's National Marine Fisheries Service (NMFS) has some concerns regarding status and threats, but for which insufficient information is available to indicate a need to list the species under the Endangered Species Act (ESA). "Species of Concern" status does not carry any procedural or substantive protections under the ESA, but is meant to draw proactive attention and conservation action to these species. More information is available at: <http://www.nmfs.noaa.gov/pr/species/concern>.

**U.S. Fish and Wildlife Service: Birds of Conservation Concern:** The goal of the *Birds of Conservation Concern 2008* report is to accurately identify the migratory and non-migratory

bird species (beyond those already designated as Federally Threatened or Endangered) that represent our highest conservation priorities and draw attention to species in need of conservation action. This report is available at:

<http://www.fws.gov/migratorybirds/currentbirdissues/management/BCC.html>

**U.S. Forest Service Sensitive:** USDA Forest Service defines sensitive species as plant and animal species identified by a regional forester that are not listed or proposed for listing under the Federal Endangered Species Act for which population viability is a concern, as evidenced by significant current or predicted downward trends in population numbers or density, or significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution. Regional Foresters shall identify sensitive species occurring within the region. California is the Pacific Southwest Region (Region 5). More information is available at: <http://www.fs.usda.gov/main/r5/plants-animals> and at: [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5435266.xlsx](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5435266.xlsx)

**Western Bat Working Group (WBWG):** The WBWG is comprised of agencies, organizations and individuals interested in bat research, management and conservation from the 13 western states and provinces. The goals are (1) to facilitate communication among interested parties and reduce risks of species decline or extinction; (2) to provide a mechanism by which current information on bat ecology, distribution and research techniques can be readily accessed; and (3) to develop a forum to discuss conservation strategies, provide technical assistance and encourage education programs. Species are ranked as High, Medium, or Low Priority in each of 10 regions in western North America. Because California includes multiple regions where a species may have different WBWG Priority ranks, the CNNDDB includes categories for Medium-High, and Low-Medium Priority. The CNDDDB tracks bat species that are at least Low-Medium Priority in California. More information is available at: <http://www.wbwg.org>.

**Xerces Society Red List:** The Xerces Society is an international non-profit organization dedicated to protecting biological diversity through invertebrate conservation. The Society advocates for invertebrates and their habitats by working with scientists, land managers, educators, and citizens on conservation and education projects. Their core programs focus on endangered species, native pollinators, and watershed health. More information on the Red List is available at: <http://www.xerces.org>.

## Table of Special Status Code Abbreviations

<b>Organization</b>	<b>Abbreviation</b>
American Fisheries Society - Endangered	AFS_EN
American Fisheries Society - Threatened	AFS_TH
American Fisheries Society - Vulnerable	AFS_VU
Bureau of Land Management - Sensitive	BLM_S
Calif Dept of Forestry & Fire Protection - Sensitive	CDF_S
Calif Dept of Fish & Wildlife - Fully Protected	CDFW_FP
Calif Dept of Fish & Wildlife - Species of Special Concern	CDFW_SSC
Calif Dept of Fish & Wildlife - Watch List	CDFW_WL
IUCN - Critically Endangered	IUCN_CR
IUCN - Endangered	IUCN_EN
IUCN - Near Threatened	IUCN_NT
IUCN - Vulnerable	IUCN_VU
IUCN - Least Concern	IUCN_LC
IUCN - Data Deficient	IUCN_DD
IUCN - Conservation Dependent	IUCN_CD
Marine Mammal Commission - Species of Special Concern	MMC_SSC
National Marine Fisheries Service - Species of Concern	NMFS_SC
North American Bird Conservation Initiative- Red Watch List	NABCI_RWL
North American Bird Conservation Initiative- Yellow Watch List	NABCI_YWL
U. S. Forest Service - Sensitive	USFS_S
U. S. Fish & Wildlife Service Birds of Conservation Concern	USFWS_BCC
Western Bat Working Group - High Priority	WBWG_H
Western Bat Working Group - Medium-High Priority	WBWG_MH
Western Bat Working Group - Medium Priority	WBWG_M
Western Bat Working Group - Low-Medium Priority	WBWG_LM
Xerces Society - Critically Imperiled	XERCES_CI
Xerces Society - Imperiled	XERCES_IM
Xerces Society - Data Deficient	XERCES_DD
Xerces Society - Vulnerable	XERCES_VU

## **Special Animals List**

The remainder of this document contains the CNDDDB's Special Animals List current as of the date on the title page of this document. For additional information on how CNDDDB determines what species to track please see the [CNDDDB webpage](#).

## Special Animals List - March 2015

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>PELECYPODA (clams and mussels)</b>						
+ <i>Anodonta californiensis</i> California floater		G3Q S2?	None	None	USFS:S	
<i>Anodonta oregonensis</i> Oregon floater		G5Q S2?	None	None		
+ <i>Gonidea angulata</i> western ridged mussel		G3 S1S2	None	None		
+ <i>Margaritifera falcata</i> western pearlshell		G4G5 S1S2	None	None		
+ <i>Pisidium ultramontanum</i> montane peaclam		G1 S1	None	None	IUCN:VU USFS:S	
<b>GASTROPODA (Snails, slugs and abalone)</b>						
<i>Algamorda newcombiana</i> Newcomb's littorine snail		G1G2 S1S2	None	None		
+ <i>Ammonitella yatesii</i> tight coin (=Yates' snail)		G1 S1	None	None	IUCN:VU	
+ <i>Ancotrema voyanum</i> hooded lancetooth		G1G2 S1S2	None	None	BLM:S	
+ <i>Assiminea infima</i> Badwater snail		G1 S1	None	None	IUCN:VU	
+ <i>Binneya notabilis</i> Santa Barbara shelled slug		G1 S1	None	None	IUCN:DD	
+ <i>Colligyrus convexus</i> canary duskysnail		G1G2 S1S2	None	None		
+ <i>Eremarionta immaculata</i> white desertsnailed		G1 S1	None	None	IUCN:VU	
<i>Eremarionta millepalmarum</i> Thousand Palms desertsnailed		G1 S1	None	None	IUCN:VU	
+ <i>Eremarionta morongoana</i> Morongo (=Colorado) desertsnailed		G1G3 S1	None	None	IUCN:NT	
+ <i>Eremarionta rowelli bakerensis</i> Baker's desertsnailed		G3G4T1 S1	None	None	IUCN:DD	
+ <i>Eremarionta rowelli mccoiana</i> California Mcco snail		G3G4T1 S1	None	None	IUCN:DD	
+ <i>Fluminicola seminalis</i> nugget pebblesnailed		G2 S1S2	None	None	USFS:S	
+ <i>Fontelicella</i> sp. Deep Springs fontelicella		G1 S1	None	None		
<i>Glyptostoma gabriellense</i> San Gabriel chestnut		G2 S2	None	None		
<i>Haliotis corrugata</i> pink abalone		G3? S2?	None	None	NMFS:SC	
+ <i>Haliotis cracherodii</i> black abalone		G3 S1S2	Endangered	None	IUCN:CR	
<i>Haliotis fulgens</i> green abalone		G3G4 S2	None	None	NMFS:SC	
<i>Haliotis kamtschatkana</i> pinto abalone		G3G4 S2	None	None	IUCN:EN NMFS:SC	
<i>Haliotis sorenseni</i> white abalone		G1 S1	Endangered	None		
+ <i>Haplotrema catalinense</i> Santa Catalina lancetooth		G1 S1	None	None		
+ <i>Haplotrema durantei</i> ribbed lancetooth		G1G2 S1S2	None	None		
+ <i>Helisoma newberryi</i> Great Basin rams-horn		G1Q S1	None	None	USFS:S	
+ <i>Helminthoglypta allynsmithi</i> Merced Canyon shoulderband		G1 S1	None	None	IUCN:VU	
+ <i>Helminthoglypta arrosa monticola</i> mountain shoulderband		G2G3T1 S1	None	None		

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## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>GASTROPODA (Snails, slugs and abalone)</b>						
+ <i>Helminthoglypta arrosa pomomensis</i> Pomo bronze shoulderband		G2G3T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta ayresiana sanctaerucis</i> Ayer's snail		G1G2T1T2 S1S2	None	None		
+ <i>Helminthoglypta callistoderma</i> Kern shoulderband		G1 S1	None	None	IUCN:EN	
+ <i>Helminthoglypta coelata</i> mesa shoulderband		G1 S1	None	None	IUCN:VU	
+ <i>Helminthoglypta concolor</i> whitefir shoulderband		G1G2 S1S2	None	None		
<i>Helminthoglypta fontiphila</i> Soledad shoulderband		G1 S1	None	None		
+ <i>Helminthoglypta hertleini</i> Oregon shoulderband		G1 S1	None	None	BLM:S	
+ <i>Helminthoglypta milleri</i> peak shoulderband		G1 S1	None	None		
+ <i>Helminthoglypta mohaveana</i> Victorville shoulderband		G1 S1	None	None	IUCN:NT	
+ <i>Helminthoglypta nickliniana awania</i> Peninsula coast range shoulderband		G3T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta nickliniana bridgesi</i> Bridges' coast range shoulderband		G3T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta sequoicola consors</i> redwood shoulderband		G2T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta stiversiana williamsi</i> Williams' bronze shoulderband		G2G3T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta talmadgei</i> Trinity shoulderband		G2 S2	None	None	BLM:S	
+ <i>Helminthoglypta taylori</i> westfork shoulderband		G1 S1	None	None		
<i>Helminthoglypta traskii pacuimensis</i> Pacoima shoulderband		G1G2T1 S1	None	None		
+ <i>Helminthoglypta traskii traskii</i> Trask shoulderband		G1G2T1 S1	None	None		
<i>Helminthoglypta uvasana</i> Grapevine shoulderband		G1 S1	None	None		
<i>Helminthoglypta vasquezii</i> Vasquez shoulderband		G1 S1	None	None		
+ <i>Helminthoglypta walkeriana</i> Morro shoulderband (=banded dune) snail		G1 S1	Endangered	None	IUCN:CR	
<i>Herpeteros angelus</i> Soledad desert snail		G1 S1	None	None		
+ <i>Hesperarion plumbeus</i> leaden slug		G1G3 S1S3	None	None		
+ <i>Ipnobius robustus</i> robust tryonia		G1G2 S1	None	None		
+ <i>Juga acutifilosa</i> topaz juga		G2 S2	None	None	USFS:S	
+ <i>Juga chacei</i> Chace juga		G1 S1	None	None	USFS:S	
+ <i>Juga occata</i> scalloped juga		G1 S1	None	None	USFS:S	
+ <i>Juga orickensis</i> redwood juga		G2 S1S2	None	None		
<i>Lanx alta</i> highcap lanx		G2 S1S2	None	None		
<i>Lanx klamathensis</i> scale lanx		G1 S1	None	None		

## Special Animals List - March 2015

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>GASTROPODA (Snails, slugs and abalone)</b>						
+ <i>Lanx patelloides</i> kneecap lanx		G2 S2	None	None	USFS:S	
+ <i>Megomphix californicus</i> Natural Bridge megomphix		G1G2 S1S2	None	None		
+ <i>Micrarionta facta</i> Santa Barbara islandsnail		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Micrarionta feralis</i> San Nicolas islandsnail		G1 S1	None	None	IUCN:CR	
+ <i>Micrarionta gabbi</i> San Clemente islandsnail		G1 S1	None	None	IUCN:VU	
+ <i>Micrarionta opuntia</i> pricklypear islandsnail		G1 S1	None	None	IUCN:VU	
+ <i>Monadenia callipeplus</i> downy sideband		G1G2 S1S2	None	None		
+ <i>Monadenia chaceana</i> Siskiyou shoulderband		G2G3 S2	None	None	BLM:S	
+ <i>Monadenia churchi</i> Klamath sideband		G2G3 S2	None	None		
+ <i>Monadenia circumcarinata</i> keeled sideband		G1 S1	None	None	BLM:S IUCN:VU	
+ <i>Monadenia cristulata</i> crested sideband		G1G2 S1S2	None	None		
+ <i>Monadenia fidelis leonina</i> A terrestrial snail		G4G5T1T2 S1S2	None	None		
+ <i>Monadenia fidelis pronotis</i> rocky coast Pacific sideband		G4G5T1 S1	None	None		
+ <i>Monadenia infumata ochromphalus</i> yellow-based sideband		G2T1 S1	None	None		
+ <i>Monadenia infumata setosa</i> Trinity bristle snail		G2T2 S2	None	Threatened	IUCN:VU	
<i>Monadenia marmarotis</i> marble sideband		G1 S1	None	None		
+ <i>Monadenia mormonum buttoni</i> Button's Sierra sideband		G2T1 S1	None	None		
+ <i>Monadenia mormonum hirsuta</i> hirsute Sierra sideband		G2T1 S1	None	None	BLM:S	
+ <i>Monadenia troglodytes troglodytes</i> Shasta sideband		G1G2T1T2 S1S2	None	None	IUCN:DD USFS:S	
<i>Monadenia troglodytes wintu</i> Wintu sideband		G1G2T1T2 S1S2	None	None	IUCN:DD USFS:S	
+ <i>Monadenia tuolumneana</i> Tuolumne sideband		G1 S1	None	None	BLM:S	
+ <i>Monadenia yosemitensis</i> Yosemite Mariposa sideband		G1 S1	None	None		
+ <i>Noyo intersessa</i> Ten Mile shoulderband		G2 S2	None	None		
+ <i>Pomatiopsis binneyi</i> robust walker		G1 S1	None	None		
<i>Pomatiopsis californica</i> Pacific walker		G1 S1	None	None		
<i>Pomatiopsis chacei</i> marsh walker		G1 S1	None	None		
+ <i>Pristiloma shepardae</i> Shepard's snail		G1 S1	None	None		
+ <i>Pristinicola hemphilli</i> pristine pyrg		G3 S1	None	None	USFS:S	
<i>Prophysaon coeruleum</i> Blue-gray taildropper slug		G3G4 S1S2	None	None		Yes

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## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>GASTROPODA (Snails, slugs and abalone)</b>						
+ <i>Punctum hannai</i>	Trinity Spot	G1G2 S1S2	None	None		
+ <i>Pyrgulopsis aardahli</i>	Benton Valley (=Aahrdahl's) springsnail	G1 S1	None	None		
+ <i>Pyrgulopsis archimedis</i>	Archimedes pyrg	G1G2 S1S2	None	None		
+ <i>Pyrgulopsis cinerana</i>	Ash Valley pyrg	G1G2 S1S2	None	None		
+ <i>Pyrgulopsis diablensis</i>	Diablo Range pyrg	G1 S1	None	None	IUCN:VU	
+ <i>Pyrgulopsis eremica</i>	Smoke Creek pyrg	G2 S2	None	None		
+ <i>Pyrgulopsis falciglans</i>	Likely pyrg	G1 S1	None	None		
+ <i>Pyrgulopsis gibba</i>	Surprise Valley pyrg	G3 S1S2	None	None		
+ <i>Pyrgulopsis greggi</i>	Kern River pyrg	G1 S1	None	None	IUCN:VU	
+ <i>Pyrgulopsis lassenii</i>	Willow Creek pyrg	G1G2 S1S2	None	None	USFS:S	
+ <i>Pyrgulopsis longae</i>	Long Valley pyrg	G1 S1	None	None		
+ <i>Pyrgulopsis owensensis</i>	Owens Valley springsnail	G1G2 S1S2	None	None	USFS:S	
+ <i>Pyrgulopsis perturbata</i>	Fish Slough springsnail	G1 S1	None	None		
+ <i>Pyrgulopsis rupinicola</i>	Sucker Springs pyrg	G1 S1	None	None		
+ <i>Pyrgulopsis taylori</i>	San Luis Obispo pyrg	G1 S1	None	None		
+ <i>Pyrgulopsis ventricosa</i>	Clear Lake pyrg	G1 S1	None	None	IUCN:CR	
+ <i>Pyrgulopsis wongi</i>	Wong's springsnail	G2 S2	None	None	IUCN:LC USFS:S	
+ <i>Radiocentrum avalonense</i>	Catalina mountainsnail	G1 S1	None	None	IUCN:CR	
+ <i>Rothelix warnerfontis</i>	Warner Springs shoulderband	G1 S1	None	None	USFS:S	
+ <i>Sterkia clementina</i>	San Clemente Island blunt-top snail	G1 S1	None	None	IUCN:NT	
+ <i>Trilobopsis roperi</i>	Shasta chaparral	G1 S1	None	None	USFS:S	
<i>Trilobopsis tehamana</i>	Tehama chaparral	G1 S1	None	None	BLM:S USFS:S	
+ <i>Tryonia imitator</i>	mimic tryonia (=California brackishwater snail)	G2 S2	None	None	IUCN:DD	
+ <i>Tryonia margae</i>	Grapevine Springs elongate tryonia	G1 S1	None	None		
+ <i>Tryonia rowlandsi</i>	Grapevine Springs squat tryonia	G1 S1	None	None		
+ <i>Vespericola karokorum</i>	Karok hesperian	G2 S2	None	None	IUCN:DD	
+ <i>Vespericola marinensis</i>	Marin hesperian	G2 S2	None	None		
+ <i>Vespericola pressleyi</i>	Big Bar hesperian	G1 S1	None	None	BLM:S USFS:S	
<i>Vespericola scotti</i>	Benson Gulch hesperian	G1 S1	None	None		

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>GASTROPODA (Snails, slugs and abalone)</b>						
+ <i>Vespericola shasta</i> Shasta hesperian		G1 S1	None	None	USFS:S	
+ <i>Vespericola sierranus</i> Siskiyou hesperian		G2 S1S2	None	None		
+ <i>Xerarionta intercis</i> horseshoe snail		G1 S1	None	None	IUCN:VU	
+ <i>Xerarionta redimita</i> wreathed cactusnail		G1G2 S1	None	None	IUCN:VU	
<i>Xerarionta tryoni</i> Bicolor cactusnail		G1 S1	None	None	IUCN:VU	
<b>ARACHNIDA (Spiders and relatives)</b>						
+ <i>Aphrastochthonius grubbsi</i> Grubbs' Cave pseudoscorpion		G1G2 S1S2	None	None		
<i>Aphrastochthonius similis</i> Carlow's Cave pseudoscorpion		G1G2 S1S2	None	None		
<i>Archeolarca aalbui</i> Aalbu's Cave pseudoscorpion		G1G2 S1S2	None	None		
+ <i>Banksula californica</i> Alabaster Cave harvestman		GH SH	None	None		
+ <i>Banksula galilei</i> Galile's cave harvestman		G1 S1	None	None		
+ <i>Banksula grubbsi</i> Grubbs' cave harvestman		G1 S1	None	None		
+ <i>Banksula incredula</i> incredible harvestman		G1 S1	None	None		
+ <i>Banksula martinorum</i> Martins' cave harvestman		G1 S1	None	None		
+ <i>Banksula melones</i> Melones Cave harvestman		G1 S1	None	None	IUCN:VU	
+ <i>Banksula rudolphi</i> Rudolph's cave harvestman		G1 S1	None	None		
+ <i>Banksula tuolumne</i> Tuolumne cave harvestman		G1 S1	None	None		
+ <i>Banksula tutankhamen</i> King Tut Cave harvestman		G1 S1	None	None		
+ <i>Calicina arida</i> San Benito harvestman		G1 S1	None	None		
+ <i>Calicina breva</i> Stanislaus harvestman		G1 S1	None	None		
+ <i>Calicina cloughensis</i> Clough Cave harvestman		G1 S1	None	None		
+ <i>Calicina conifera</i> Crane Flat harvestman		G1 S1	None	None		
+ <i>Calicina diminua</i> Marin blind harvestman		G1 S1	None	None		
+ <i>Calicina dimorphica</i> Watts Valley harvestman		G1 S1	None	None		
+ <i>Calicina macula</i> marbled harvestman		G1 S1	None	None		
+ <i>Calicina mesaensis</i> Table Mountain harvestman		G1 S1	None	None		
+ <i>Calicina minor</i> Edgewood blind harvestman		G1 S1	None	None		
+ <i>Calicina piedra</i> Piedra harvestman		G1 S1	None	None		
+ <i>Calileptoneta briggsi</i> Briggs' leptonetid spider		G1 S1	None	None		
+ <i>Calileptoneta oasa</i> Andreas Canyon leptonetid spider		G1 S1	None	None		

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**Invertebrates**

<b>Species</b>	<b>Comment</b>	<b>Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Notes</b>
<b>ARACHNIDA (Spiders and relatives)</b>						
+ <i>Calileptoneta ubicki</i>	Ubick's leptonetid spider	G1 S1	None	None		
+ <i>Calileptoneta wapiti</i>	Mendocino leptonetid spider	G1 S1	None	None		
+ <i>Fissilicreagris imperialis</i>	Empire Cave pseudoscorpion	G1 S1	None	None	IUCN:VU	
+ <i>Hubbardia idria</i>	Idria short-tailed whipscorpion	G1 S1	None	None		
+ <i>Hubbardia secoensis</i>	Arroyo Seco short-tailed whipscorpion	G1 S1	None	None		
+ <i>Hubbardia shoshonensis</i>	Shoshone Cave whip-scorpion	G1 S1	None	None	BLM:S	Yes
+ <i>Larca laceyi</i>	Lacey's Cave pseudoscorpion	G1G2 S1	None	None		
+ <i>Meta dolloff</i>	Dolloff Cave spider	G1 S1	None	None	IUCN:VU	
+ <i>Microcina edgewoodensis</i>	Edgewood Park micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina homi</i>	Hom's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina jungi</i>	Jung's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina leei</i>	Lee's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina lumi</i>	Lum's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina tiburona</i>	Tiburon micro-blind harvestman	G1 S1	None	None		
+ <i>Neochthonius imperialis</i>	Empire Cave pseudoscorpion	G1 S1	None	None		
+ <i>Pseudogarypus orpheus</i>	Music Hall Cave pseudoscorpion	G1G2 S1	None	None		
+ <i>Socalchemmis gertschi</i>	Gertsch's socalchemmis spider	G1 S1	None	None		
+ <i>Socalchemmis icenoglei</i>	Icenogle's socalchemmis spider	G1 S1	None	None		
+ <i>Socalchemmis monterey</i>	Monterey socalchemmis spider	G1 S1	None	None		
+ <i>Talanites moodyae</i>	Moody's gnaphosid spider	G1G2 S1S2	None	None		
+ <i>Talanites ubicki</i>	Ubick's gnaphosid spider	G1 S1	None	None		
<i>Telema sp.</i>	Santa Cruz telemid spider	G1G2 S1S2	None	None		
<i>Texella deserticola</i>	Whitewater Canyon harvestman	G1 S1	None	None		
+ <i>Texella kokoweef</i>	Kokoweef Crystal Cave harvestman	G1 S1	None	None		
+ <i>Texella shoshone</i>	Shoshone Cave harvestman	G1 S1	None	None		
<b>CRUSTACEA, Order Anostraca (fairy shrimp)</b>						
+ <i>Artemia monica</i>	Mono Lake brine shrimp	G3 S3	None	None	IUCN:CD	
+ <i>Branchinecta campestris</i>	pocket pouch fairy shrimp	G2 S1	None	None		
+ <i>Branchinecta conservatio</i>	Conservancy fairy shrimp	G1 S1	Endangered	None	IUCN:EN	

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>CRUSTACEA, Order Anostraca (fairy shrimp)</b>						
+ <i>Branchinecta longiantenna</i> longhorn fairy shrimp		G1 S1	Endangered	None	IUCN:EN	
+ <i>Branchinecta lynchi</i> vernal pool fairy shrimp		G3 S2S3	Threatened	None	IUCN:VU	
+ <i>Branchinecta mesovallensis</i> midvalley fairy shrimp		G2 S2	None	None		
+ <i>Branchinecta sandiegonensis</i> San Diego fairy shrimp		G2 S2	Endangered	None	IUCN:EN	
+ <i>Linderiella occidentalis</i> California linderiella		G2G3 S2S3	None	None	IUCN:NT	
+ <i>Linderiella santarosae</i> Santa Rosa Plateau fairy shrimp		G1G2 S1	None	None		
+ <i>Streptocephalus woottoni</i> Riverside fairy shrimp		G1G2 S1S2	Endangered	None	IUCN:EN	
<b>CRUSTACEA, Order Notostraca (tadpole shrimp)</b>						
+ <i>Lepidurus packardii</i> vernal pool tadpole shrimp		G3 S2S3	Endangered	None	IUCN:EN	
<b>CRUSTACEA, Order Anomopoda (water fleas)</b>						
+ <i>Dumontia oregonensis</i> hairy water flea		G1G3 S1	None	None		
<b>CRUSTACEA, Order Isopoda (isopods)</b>						
+ <i>Bowmanasellus sequoiae</i> Sequoia cave isopod		G1 S1	None	None		
+ <i>Caecidotea tomalensis</i> Tomales isopod		G2 S2	None	None		
+ <i>Calasellus californicus</i> An isopod		G2 S2	None	None		
+ <i>Calasellus longus</i> An isopod		G1 S1	None	None		
<b>CRUSTACEA, Order Amphipoda (amphipods)</b>						
+ <i>Hyaella muerta</i> Texas Spring amphipod		G1 S1	None	None		Yes
+ <i>Hyaella sandra</i> Death Valley amphipod		G1 S1	None	None		Yes
+ <i>Stygobromus cherylae</i> Barr's amphipod		G1 S1	None	None		
<i>Stygobromus cowani</i> Cowan's amphipod		G1 S1	None	None		
<i>Stygobromus gallawayae</i> Gallaway's amphipod		G1 S1	None	None		
+ <i>Stygobromus gradyi</i> Grady's Cave amphipod		G1 S1	None	None	IUCN:VU	
<i>Stygobromus grahami</i> Graham's Cave amphipod		G2 S2	None	None		
+ <i>Stygobromus harai</i> Hara's Cave amphipod		G1G2 S1S2	None	None	IUCN:VU	
<i>Stygobromus hyporheicus</i> Hypoheic amphipod		G1 S1	None	None		
<i>Stygobromus imperialis</i> Empire Cave amphipod		G1 S1	None	None		
+ <i>Stygobromus lacicolus</i> Lake Tahoe amphipod		G1 S1	None	None		
+ <i>Stygobromus mackenziei</i> Mackenzie's Cave amphipod		G1 S1	None	None	IUCN:VU	
<i>Stygobromus myersae</i> Myer's amphipod		G1G2 S1S2	None	None		
<i>Stygobromus mysticus</i> Secret Cave amphipod		G1 S1	None	None		

**Invertebrates**

<b>Species</b>	<b>Comment</b>	<b>Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Notes</b>
<b>CRUSTACEA, Order Amphipoda (amphipods)</b>						
<i>Stygobromus rudolphi</i>		G1 S1	None	None		
Rudolph's amphipod						
<i>Stygobromus sheldoni</i>		G1 S1	None	None		
Sheldon's amphipod						
<i>Stygobromus sierrensis</i>		G1 S1	None	None		
Sierra amphipod						
+ <i>Stygobromus tahoensis</i>		G1 S1	None	None		
Lake Tahoe stygobromid						
<i>Stygobromus trinus</i>		G1 S1	None	None		
Trinity County amphipod						
+ <i>Stygobromus wengerorum</i>		G1 S1	None	None	IUCN:VU	
Wengerors' Cave amphipod						
<b>CRUSTACEA, Order Decapoda (crayfish &amp; shrimp)</b>						
+ <i>Pacifastacus fortis</i>		G1 S1	Endangered	Endangered	IUCN:CR	
Shasta crayfish						
<i>Pacifastacus leniusculus klamathensis</i>		G5T5 S3	None	None		
Klamath crayfish						
+ <i>Syncaris pacifica</i>		G1 S1	Endangered	Endangered	IUCN:EN	
California freshwater shrimp						
<b>INSECTA, Order Odonata (dragonflies &amp; damselflies)</b>						
+ <i>Ischnura gemina</i>		G2 S2	None	None	IUCN:VU	
San Francisco forktail damselfly						
<b>INSECTA, Order Plecoptera (stoneflies)</b>						
+ <i>Capnia lacustra</i>		G1 S1	None	None		
Lake Tahoe benthic stonefly						
+ <i>Cosumnoperla hypocreana</i>		G2 S2	None	None		
Cosumnes stripetail						
+ <i>Megaleuctra sierra</i>		G2Q S1?	None	None		
Shirttail Creek stonefly						
<b>INSECTA, Order Orthoptera (grasshoppers, katydids, and crickets)</b>						
+ <i>Aglaothorax longipennis</i>		G1G2 S1S2	None	None	IUCN:CR	
Santa Monica shieldback katydid						
+ <i>Ammopelmatus kelsoensis</i>		G1G2 S1S2	None	None	IUCN:VU	
Kelso jerusalem cricket						
+ <i>Ammopelmatus muwu</i>		G1 S1	None	None	IUCN:VU	
Point Conception jerusalem cricket						
+ <i>Idiostatus kathleenae</i>		G1G2 S1S2	None	None		
Pinnacles shieldback katydid						
+ <i>Idiostatus middlekauffi</i>		G1G2 S1	None	None	IUCN:CR	
Middlekauff's shieldback katydid						
<i>Macrobaenetes algodonensis</i>		G1G2 S1S2	None	None		
Algodones sand treader cricket						
+ <i>Macrobaenetes kelsoensis</i>		G2 S2	None	None	IUCN:VU	
Kelso giant sand treader cricket						
+ <i>Macrobaenetes valgum</i>		G1G2 S1S2	None	None	IUCN:VU	
Coachella giant sand treader cricket						
<i>Pristoceuthophilus sp.</i>		G1G3 S1S3	None	None	IUCN:VU	
Samwell Cave cricket						
+ <i>Psychomastax deserticola</i>		G1G2 S1S2	None	None	IUCN:VU	
desert monkey grasshopper						
+ <i>Stenopelmatus cahuilensis</i>		G1G2 S1S2	None	None	IUCN:VU	
Coachella Valley jerusalem cricket						
+ <i>Tetrix sierrana</i>		G1G2 S1S2	None	None	IUCN:VU	
Sierra pygmy grasshopper						
+ <i>Trimerotropis infantilis</i>		G1 S1	Endangered	None	IUCN:EN	
Zayante band-winged grasshopper						
+ <i>Trimerotropis occidentiloides</i>		G1G2 S1S2	None	None	IUCN:EN	
Santa Monica grasshopper						

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Orthoptera (grasshoppers, katydids, and crickets)</b>						
+ <i>Trimerotropis occulens</i> Lompoc grasshopper		G1G2 S1S2	None	None	IUCN:EN	
<b>INSECTA, Order Heteroptera (true bugs)</b>						
+ <i>Ambrysus funebris</i> Nebares Spring naucorid bug		G1 S1	Candidate	None		
+ <i>Belostoma saratogae</i> Saratoga Springs belostoman bug		G1 S1	None	None		
+ <i>Oravelia pege</i> Dry Creek cliff strider bug		G1 S1	None	None		
+ <i>Pelocoris shoshone</i> Amargosa naucorid bug		G1G3 S1S2	None	None		
+ <i>Saldula usingeri</i> Wilbur Springs shorebug		G1 S1	None	None		
<b>INSECTA, Order Neuroptera (lacewings)</b>						
+ <i>Oliarces clara</i> cheeseweed owlfly (cheeseweed moth lacewing)		G1G3 S2	None	None		
<b>INSECTA, Order Coleoptera (beetles)</b>						
+ <i>Aegialia concinna</i> Ciervo aegilian scarab beetle		G1 S1	None	None	BLM:S IUCN:VU	
+ <i>Agabus rumpfi</i> Death Valley agabus diving beetle		G1G3 S1	None	None		
<i>Agrius harenus</i> Harenus jewel beetle		G1G2 S1S2	None	None		
+ <i>Anomala carlsoni</i> Carlson's dune beetle		G1 S1	None	None		
+ <i>Anomala hardyorum</i> Hardy's dune beetle		G1 S1	None	None		
+ <i>Anthicus antiochensis</i> Antioch Dunes anthicid beetle		G1 S1	None	None		
+ <i>Anthicus sacramento</i> Sacramento anthicid beetle		G1 S1	None	None	IUCN:EN	
+ <i>Atractelmis wawona</i> Wawona riffle beetle		G1G3 S1S2	None	None		
+ <i>Chaetarthria leechi</i> Leech's chaetarthrian water scavenger beetle		G1? S1?	None	None		
+ <i>Cicindela gabbii</i> western tidal-flat tiger beetle		G2G4 S1	None	None		
+ <i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle		G5TH SH	None	None		
+ <i>Cicindela hirticollis gravida</i> sandy beach tiger beetle		G5T2 S1	None	None		
+ <i>Cicindela latesignata latesignata</i> western beach tiger beetle		G2G4T1T2 S1	None	None		
+ <i>Cicindela ohlone</i> Ohlone tiger beetle		G1 S1	Endangered	None		
+ <i>Cicindela senilis frosti</i> senile tiger beetle		G2G3T1T3 S1	None	None		
+ <i>Cicindela tranquebarica ssp.</i> San Joaquin tiger beetle		G5T1 S1	None	None		
+ <i>Cicindela tranquebarica viridissima</i> greenest tiger beetle		G5T1 S1	None	None		
+ <i>Coelus globosus</i> globose dune beetle		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Coelus gracilis</i> San Joaquin dune beetle		G1 S1	None	None	BLM:S IUCN:VU	

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Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Coleoptera (beetles)</b>						
<i>Coenonycha clementina</i>		G1? S1?	None	None		
San Clemente Island coenonycha beetle						
<i>Cyclocephala wandae</i>		G1G2 S1S2	None	None		
Wandae dune beetle						
<i>Deltaspis ivae</i>		G1 S1	None	None		
marsh-elder long-horned beetle						
+ <i>Desmocerus californicus dimorphus</i>		G3T2 S2	Threatened	None		
valley elderberry longhorn beetle						
+ <i>Dinacoma caseyi</i>		G1 S1	Endangered	None		
Casey's June beetle						
+ <i>Dubiraphia brunnescens</i>		G1 S1	None	None		
brownish dubiraphian riffle beetle						
+ <i>Dubiraphia giulianii</i>		G1G3 S1S3	None	None		
Giuliani's dubiraphian riffle beetle						
+ <i>Elaphrus viridis</i>		G1 S1	Threatened	None	IUCN:CR	
Delta green ground beetle						
+ <i>Glaresis arenata</i>		G2 S2	None	None		
Kelso Dunes scarab glaresis beetle						
+ <i>Hydrochara rickseckeri</i>		G2? S2?	None	None		
Ricksecker's water scavenger beetle						
+ <i>Hydroporus leechi</i>		G1? S1?	None	None		
Leech's skyline diving beetle						
+ <i>Hydroporus simplex</i>		G1? S1?	None	None		
simple hydroporus diving beetle						
+ <i>Hygrotus curvipes</i>		G1 S1	None	None		
curved-foot hygrotus diving beetle						
+ <i>Hygrotus fontinalis</i>		G1 S1	None	None		
travertine band-thigh diving beetle						
<i>Juniperella mirabilis</i>		G1 S1	None	None		
juniper metallic wood-boring beetle						
+ <i>Lepismadora algodones</i>		G1 S1	None	None		
Algodones sand jewel beetle						
+ <i>Lichnanthe albipilosa</i>		G1 S1	None	None		
white sand bear scarab beetle						
+ <i>Lichnanthe ursina</i>		G2 S2	None	None		
bumblebee scarab beetle						
+ <i>Lytta hoppingi</i>		G1G2 S1S2	None	None		
Hopping's blister beetle						
<i>Lytta insperata</i>		G1G2 S1S2	None	None		
Mojave Desert blister beetle						
+ <i>Lytta moesta</i>		G2 S2	None	None		
moestan blister beetle						
+ <i>Lytta molesta</i>		G2 S2	None	None		
molestan blister beetle						
+ <i>Lytta morrisoni</i>		G1G2 S1S2	None	None		
Morrison's blister beetle						
+ <i>Microcylloepus formicoideus</i>		G1 S1	None	None		
Furnace Creek riffle beetle						
+ <i>Miloderes nelsoni</i>		G2 S2	None	None		
Nelson's miloderes weevil						
+ <i>Nebria darlingtoni</i>		G1 S1	None	None		
South Forks ground beetle						
+ <i>Nebria gebleri siskiyouensis</i>		G4G5T4 S1S2	None	None		
Siskiyou ground beetle						
+ <i>Nebria sahlbergii triad</i>		G1T1 S1	None	None		
Trinity Alps ground beetle						
<i>Ochthebius crassalus</i>		G1G3 S1S3	None	None		
wing shoulder minute moss beetle						

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## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Coleoptera (beetles)</b>						
+ <i>Ochthebius recticulus</i>	Wilbur Springs minute moss beetle	G1 S1	None	None		
+ <i>Onychobaris langei</i>	Lange's El Segundo Dune weevil	G1 S1	None	None		
+ <i>Optioservus canus</i>	Pinnacles optioservus riffle beetle	G1 S1	None	None		
<i>Paleoxenus dohrni</i>	Dohrn's elegant eucnemid beetle	G3? S3?	None	None		
+ <i>Polyphylla anteronivea</i>	Saline Valley snow-front June beetle	G1 S1	None	None		
+ <i>Polyphylla barbata</i>	Mount Hermon (=barbata) June beetle	G1 S1	Endangered	None		
+ <i>Polyphylla erratica</i>	Death Valley June beetle	G1 S1	None	None		
+ <i>Polyphylla nubila</i>	Atascadero June beetle	G1 S1	None	None		
<i>Prasinalia imperialis</i>	Algodones white wax jewel beetle	G1G2 S1S2	None	None		
+ <i>Pseudocotalpa andrewsi</i>	Andrew's dune scarab beetle	G1 S1	None	None		
<i>Scaphinotus behrensi</i>	Behrens' snail-eating beetle	G2G4 S2S4	None	None		
+ <i>Trachykele hartmani</i>	serpentine cypress wood-boring beetle	G1 S1	None	None		
<i>Trichinorhipis knullii</i>	Knull's metallic wood-boring beetle	G1 S1	None	None		
+ <i>Trigonoscuta brunnotesselata</i>	brown tassel trigonoscuta weevil	G1G2 S1S2	None	None		
+ <i>Trigonoscuta dorothea dorothea</i>	Dorothy's El Segundo Dune weevil	G1T1 S1	None	None		
<i>Trigonoscuta rothi algodones</i>	Algodones dune weevil	G1G2 S1S2	None	None		
<i>Trigonoscuta rothi imperialis</i>	Imperial dune weevil	G1G2 S1S2	None	None		
<i>Trigonoscuta rothi punctata</i>	Punctate dune weevil	G1G2 S1S2	None	None		
<i>Trigonoscuta rothi rothi</i>	Roth's dune weevil	G1G2 S1S2	None	None		
+ <i>Trigonoscuta sp.</i>	Doyen's trigonoscuta dune weevil	G1Q S1	None	None		Yes
+ <i>Trigonoscuta stantoni</i>	Santa Cruz Island shore weevil	G1? S1?	None	None		
+ <i>Vandykea tuberculata</i>	serpentine cypress long-horned beetle	G1 S1	None	None		
<b>INSECTA, Order Mecoptera (scorpionflies)</b>						
+ <i>Orobittacus obscurus</i>	gold rush hanging scorpionfly	G1 S1	None	None		
<b>INSECTA, Order Diptera (flies)</b>						
+ <i>Ablautus schlingeri</i>	Oso Flaco robber fly	G1 S1	None	None		
<i>Apiocera warneri</i>	Glamis sand fly	G1G2 S1S2	None	None		
+ <i>Brennania belkini</i>	Belkin's dune tabanid fly	G1G2 S1S2	None	None	IUCN:VU	
+ <i>Efferia antiochi</i>	Antioch efferian robberfly	G1G2 S1S2	None	None		

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## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Diptera (flies)</b>						
<i>Efferia macroxipha</i>		G1G2 S1S2	None	None		
Glamis robberfly						
+ <i>Metapogon hurdi</i>		G1G3 S1S3	None	None		
Hurd's metapogon robberfly						
+ <i>Paracoenia calida</i>		G1 S1	None	None		
Wilbur Springs shore fly						
+ <i>Rhaphiomidas terminatus abdominalis</i>		G1T1 S1	Endangered	None		
Delhi Sands flower-loving fly						
+ <i>Rhaphiomidas terminatus terminatus</i>		G1T1 S1	None	None		
El Segundo flower-loving fly						
<i>Rhaphiomidas trochilus</i>		G1 S1	None	None		
Valley mydas fly						
<b>INSECTA, Order Lepidoptera (butterflies &amp; moths)</b>						
+ <i>Adela oplerella</i>		G2 S2	None	None		
Opler's longhorn moth						
+ <i>Apodemia mormo langei</i>		G5T1 S1	Endangered	None	XERCES:CI	
Lange's metalmark butterfly						
+ <i>Areniscythis brachypteris</i>		G1 S1	None	None		
Oso Flaco flightless moth						
<i>Callophrys comstocki</i>		G3G4 S1S2	None	None	XERCES:IM	
desert green hairstreak						
+ <i>Callophrys mossii bayensis</i>		G4T1 S1	Endangered	None	XERCES:CI	
San Bruno elfin butterfly						
+ <i>Callophrys mossii hidakupa</i>		G4T1T2 S1S2	None	None	USFS:S	
San Gabriel Mountains elfin butterfly						
+ <i>Callophrys mossii marinensis</i>		G4T1 S1	None	None		
Marin elfin butterfly						
+ <i>Callophrys thornei</i>		G1 S1	None	None	BLM:S	Yes
Thorne's hairstreak						
+ <i>Carolella busckana</i>		G1G3 SH	None	None		
Busck's gallmoth						
+ <i>Carterocephalus palaemon magnus</i>		G5T5 S1	None	None		
Sonoma arctic skipper						
<i>Cercyonis pegala carsonensis</i>		G5T1T2 S1S2	None	None		
Carson Valley wood nymph						
+ <i>Chlosyne leanira elegans</i>		G4G5T1T2 S1S2	None	None		
Oso Flaco patch butterfly						
+ <i>Coenonympha tullia yontockett</i>		G5T1T2 S1	None	None		
Yontocket satyr						
+ <i>Danaus plexippus</i>		G5 S3	None	None	USFS:S	
monarch butterfly						
+ <i>Euchloe hyantis andrewsi</i>		G3G4T1 S1	None	None		
Andrew's marble butterfly						
+ <i>Eucosma hennei</i>		G1 S1	None	None		
Henne's eucosman moth						
+ <i>Euphilotes battoides allyni</i>		G5T1 S1	Endangered	None	XERCES:CI	
El Segundo blue butterfly						
+ <i>Euphilotes battoides comstocki</i>		G5T2 S2	None	None		
Comstock's blue butterfly						
<i>Euphilotes baueri</i>		G2G4 S1S2	None	None	USFS:S	
Bauer's dotted-blue					XERCES:IM	
+ <i>Euphilotes enoptes smithi</i>		G5T1T2 S1S2	Endangered	None	XERCES:CI	
Smith's blue butterfly						
<i>Euphilotes mojave</i>		G2G3 S1S2	None	None	XERCES:IM	
Mojave dotted-blue						
+ <i>Euphydryas editha bayensis</i>		G5T1 S1	Threatened	None	XERCES:CI	
Bay checkerspot butterfly						
+ <i>Euphydryas editha monoensis</i>		G5T2T3 S1S2	None	None	USFS:S	
Mono checkerspot butterfly						

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Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Lepidoptera (butterflies &amp; moths)</b>						
+ <i>Euphydryas editha quino</i> quino checkerspot butterfly		G5T1T2 S1	Endangered	None	XERCES:CI	
<i>Euphyes vestris harbisoni</i> dun skipper		G5T1 S1?	None	None		
+ <i>Euproserpinus euterpe</i> Kern primrose sphinx moth		G1 S1	Threatened	None	XERCES:CI	Yes
+ <i>Glaucopsyche lygdamus palosverdesensis</i> Palos Verdes blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Hesperia miriamae longaevicola</i> White Mountains skipper		G2G3T1 S1	None	None		
<i>Hesperopsis graciellae</i> Macneill's sootywing		G2G3 S1S2	None	None	XERCES:VU	
+ <i>Lycaena hermes</i> Hermes copper butterfly		G1 S1	Candidate	None	IUCN:VU USFS:S	
<i>Lycaena rubidus incana</i> White Mountains copper		G5T1 S1	None	None		
+ <i>Panoquina errans</i> wandering (=saltmarsh) skipper		G4G5 S2	None	None	IUCN:NT	
+ <i>Philotiella speciosa bohartorum</i> Boharts' blue butterfly		G3G4T1 S1	None	None		
+ <i>Plebejus icarioides albihalos</i> White Mountains icarioides blue butterfly		G5T2T3 S2?	None	None		
+ <i>Plebejus icarioides missionensis</i> Mission blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Plebejus icarioides moroensis</i> Morro Bay blue butterfly		G5T2 S2	None	None		
+ <i>Plebejus icarioides parapheres</i> Point Reyes blue butterfly		G5T1T2 S1S2	None	None		
+ <i>Plebejus idas lotis</i> lotis blue butterfly		G5TH SH	Endangered	None	XERCES:CI	
+ <i>Plebejus saepiolus albomontanus</i> White Mountains saepiolus blue butterfly		G5T2 S1S2	None	None		
+ <i>Plebejus saepiolus aureolus</i> San Gabriel Mountains blue butterfly		G5T1 S1	None	None	USFS:S	
+ <i>Plebulina emigdionis</i> San Emigdio blue butterfly		G1G2 S1S2	None	None	USFS:S	
+ <i>Polites mardon</i> mardon skipper		G2G3 S1	None	None	USFS:S XERCES:IM	
<i>Polites sabuleti albamontana</i> White Mountains sandhill skipper		G5T2 S2	None	None		
<i>Pseudocopaeodes eunus eunus</i> alkali skipper		G3G4T2 S2	None	None		
+ <i>Pseudocopaeodes eunus obscurus</i> Carson wandering skipper		G3G4T1 S1	Endangered	None	XERCES:CI	
+ <i>Pyrgus ruralis lagunae</i> Laguna Mountains skipper		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Speyeria adiate adiate</i> unsilvered fritillary		G1G2T1 S1	None	None		
+ <i>Speyeria callippe callippe</i> callippe silverspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Speyeria egleis tehachapina</i> Tehachapi Mountain silverspot butterfly		G5T2 S2	None	None	USFS:S	
+ <i>Speyeria nokomis carsonensis</i> Carson Valley silverspot		G3T1 S1	None	None		
+ <i>Speyeria zerene behrensii</i> Behren's silverspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	

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## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Lepidoptera (butterflies &amp; moths)</b>						
+ <i>Speyeria zerene hippolyta</i> Oregon silverspot butterfly		G5T1 S1	Threatened	None	XERCES:CI	
+ <i>Speyeria zerene myrtleae</i> Myrtle's silverspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	Yes
+ <i>Speyeria zerene sonomensis</i> Sonoma zerene fritillary		G5T1 S1	None	None		
<b>INSECTA, Order Trichoptera (caddisflies)</b>						
+ <i>Cryptochia denningi</i> Denning's cryptic caddisfly		G1G2 S1S2	None	None		
+ <i>Cryptochia excella</i> Kings Canyon cryptochian caddisfly		G1G2 S1S2	None	None		
+ <i>Cryptochia shasta</i> confusion caddisfly		G1G2 S1S2	None	None		
+ <i>Desmona bethula</i> amphibious caddisfly		G2G3 S2S3	None	None		
+ <i>Diplectrona californica</i> California diplectronan caddisfly		G1G2 S1S2	None	None		
+ <i>Ecclisomyia bilera</i> Kings Creek ecclisomyian caddisfly		G1G2 S1S2	None	None		
+ <i>Farula praelonga</i> long-tailed caddisfly		G1G2 S1S2	None	None		
+ <i>Goeracea oregona</i> Sagehen Creek goeracean caddisfly		G3 S1S2	None	None		
+ <i>Lepidostoma ermanae</i> Cold Spring caddisfly		G1G2 S1S2	None	None		
+ <i>Limnephilus atercus</i> Fort Dick limnephilus caddisfly		G3G4 S1	None	None		
+ <i>Neothremma genella</i> golden-horned caddisfly		G1G2 S1S2	None	None		
<i>Neothremma siskiyou</i> Siskiyou caddisfly		G1G2 S1S2	None	None		
+ <i>Parapsyche extensa</i> King's Creek parapsyche caddisfly		GH SH	None	None		
+ <i>Rhyacophila lineata</i> Castle Crags rhyacophilan caddisfly		G1G3 S1S2	None	None		
+ <i>Rhyacophila mosana</i> bilobed rhyacophilan caddisfly		G1G2Q S1S2	None	None		
+ <i>Rhyacophila spinata</i> spiny rhyacophilan caddisfly		G1G2 S1S2	None	None		
<b>INSECTA, Order Hymenoptera (ants, bees, &amp; wasps)</b>						
+ <i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee		G2 S2	None	None		
+ <i>Andrena macswaini</i> An andrenid bee		G2 S2	None	None		
+ <i>Andrena subapasta</i> an andrenid bee		G1G2 S1S2	None	None		
+ <i>Argochrysis lassena</i> Lassen cuckoo wasp		G1 S1	None	None		
+ <i>Ashmeadiella chumashae</i> Channel Islands leaf-cutter bee		G2? S2?	None	None		
<i>Bombus caliginosus</i> a bumble bee		G4? S1S2	None	None	IUCN:VU	
<i>Bombus crotchii</i> a bumble bee		G3G4 S1S2	None	None		
<i>Bombus franklini</i> Franklin's bumble bee		G1 S1	None	None	IUCN:CR XERCES:CI	
<i>Bombus morrisoni</i> a bumble bee		G4G5 S1S2	None	None	IUCN:VU	

## Special Animals List - March 2015

## Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>INSECTA, Order Hymenoptera (ants, bees, &amp; wasps)</b>						
<i>Bombus occidentalis</i> western bumble bee		G2G3 S1	None	None	USFS:S XERCES:IM	
<i>Bombus suckleyi</i> a bumble bee		GH S1	None	None		
+ <i>Ceratochrysis bradleyi</i> Bradley's cuckoo wasp		G1 S1	None	None		
+ <i>Ceratochrysis gracilis</i> Piute Mountains cuckoo wasp		G1 S1	None	None		
+ <i>Ceratochrysis longimala</i> Desert cuckoo wasp		G1 S1	None	None		
+ <i>Ceratochrysis menkei</i> Menke's cuckoo wasp		G1 S1	None	None		
+ <i>Chrysis tularensis</i> Tulare cuckoo wasp		G1G2 S1S2	None	None		
<i>Cleptes humboldti</i> Humboldt cuckoo wasp		G1G2 S1S2	None	None		
+ <i>Dufourea stagei</i> Stage's dufourine bee		G1G2 S1?	None	None		
+ <i>Eucerceris ruficeps</i> redheaded sphecid wasp		G1G3 S1S2	None	None		
<i>Euparagia unidentata</i> Algodones euparagia		G1G2 S1S2	None	None		
<i>Habropoda pallida</i> white faced bee		G1G2 S1S2	None	None		
+ <i>Halictus harmonius</i> harmonius halictid bee		G1 S1	None	None	XERCES:CI	
+ <i>Hedychridium argenteum</i> Riverside cuckoo wasp		G1? S1?	None	None		
+ <i>Hedychridium milleri</i> Borax Lake cuckoo wasp		G1? S1?	None	None		
+ <i>Lasioglossum channelense</i> Channel Island sweat bee		G1 S1	None	None		
+ <i>Melitta californica</i> California mellitid bee		G4? S2?	None	None		
<i>Microbembex elegans</i> Algodones elegant sand wasp		G1G2 S1S2	None	None		
+ <i>Minymischa ventura</i> Ventura cuckoo wasp		GU SU	None	None		
+ <i>Myrmosula pacifica</i> Antioch multilid wasp		GH SH	None	None		
<i>Neolarra alba</i> white cuckoo bee		GH SH	None	None		
+ <i>Paranomada californica</i> California cuckoo bee		G1 S1	None	None		
+ <i>Parnopes borregoensis</i> Borrego parnopes cuckoo wasp		G1? S1?	None	None		
<i>Perdita algodones</i> Algodones perdita		G1G2 S1S2	None	None		
<i>Perdita frontalis</i> Imperial Perdita		G1G2 S1S2	None	None		
<i>Perdita glamis</i> Glamis perdita		G1G2 S1S2	None	None		
+ <i>Perdita scitula antiochensis</i> Antioch andrenid bee		G1T1 S1	None	None		
+ <i>Philanthus nasalis</i> Antioch sphecid wasp		G1 S1	None	None		
+ <i>Protodufourea wasbaueri</i> Wasbauer's protodufourea bee		G1 S1	None	None	XERCES:DD	

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**Invertebrates**

<b>Species</b>	<b>Comment</b>	<b>Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Notes</b>
<b>INSECTA, Order Hymenoptera (ants, bees, &amp; wasps)</b>						
+ <i>Protodufourea zavortinki</i>		G1 S1	None	None		
	Zavortink's protodufourea bee					
+ <i>Rhopalolemma robertsi</i>		G1 S1	None	None		
	Roberts' rhopalolemma bee					
<i>Sedomaya glamisensis</i>		G1G2 S1S2	None	None		
	Glamis night tiphiid					
<i>Sphaerophthalma ecarinata</i>		G1G2 S1S2	None	None		
	Glamis night mutillid					
+ <i>Sphecodogastra antiochensis</i>		G1 S1	None	None	XERCES:CI	
	Antioch Dunes halcitiid bee					
<i>Stictiella villegasi</i>		G1G2 S1S2	None	None		
	Algodones sand wasp					
+ <i>Trachusa gummifera</i>		G1 S1	None	None		
	San Francisco Bay Area leaf-cutter bee					

## Special Animals List - March 2015

## Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>PETROMYZONTIDAE (lampreys)</b>						
+ <i>Entosphenus hubbsi</i> Kern brook lamprey		G1G2 S1S2	None	None	AFS:TH CDFW:SSC IUCN:NT USFS:S	
<i>Entosphenus lethophagus</i> Pit-Klamath brook lamprey		G3G4 S3	None	None	AFS:VU	
<i>Entosphenus similis</i> Klamath River lamprey		G3G4Q S3S4	None	None	AFS:TH CDFW:SSC USFS:S	
+ <i>Entosphenus tridentatus</i> Pacific lamprey		G4 S4	None	None	AFS:VU BLM:S USFS:S	
+ <i>Entosphenus tridentatus ssp. 1</i> Goose Lake lamprey		G4T1 S1	None	None	AFS:VU CDFW:SSC USFS:S	
<i>Lampetra ayresii</i> river lamprey		G4 S4	None	None	AFS:VU CDFW:SSC	
<b>ACIPENSERIDAE (sturgeon)</b>						
+ <i>Acipenser medirostris</i> green sturgeon	(southern DPS)	G3 S1S2	Threatened	None	AFS:VU CDFW:SSC IUCN:NT NMFS:SC	Yes
<i>Acipenser transmontanus</i> white sturgeon		G4 S2	None	None	AFS:EN IUCN:LC	
<b>SALMONIDAE (trout &amp; salmon)</b>						
+ <i>Oncorhynchus clarkii clarkii</i> coast cutthroat trout		G4T4 S3	None	None	AFS:VU CDFW:SSC USFS:S	
+ <i>Oncorhynchus clarkii henshawi</i> Lahontan cutthroat trout		G4T3 S2	Threatened	None	AFS:TH	
+ <i>Oncorhynchus clarkii seleniris</i> Paiute cutthroat trout		G4T1T2 S1S2	Threatened	None	AFS:EN	
+ <i>Oncorhynchus gorbusha</i> pink salmon		G5 S1	None	None	CDFW:SSC	
<i>Oncorhynchus keta</i> chum salmon		G5 S1	None	None	CDFW:SSC	
+ <i>Oncorhynchus kisutch</i> coho salmon - southern Oregon / northern California ESU		G4T2Q S2?	Threatened	Threatened	AFS:TH CDFW:SSC	Yes
+ <i>Oncorhynchus kisutch</i> coho salmon - central California coast ESU		G4 S2?	Endangered	Endangered	AFS:EN	Yes
+ <i>Oncorhynchus mykiss aguabonita</i> Volcano Creek golden trout		G5T1 S1	None	None	AFS:TH CDFW:SSC USFS:S	
+ <i>Oncorhynchus mykiss aquilarum</i> Eagle Lake rainbow trout		G5T1 S1	None	None	AFS:TH CDFW:SSC USFS:S	
<i>Oncorhynchus mykiss gilberti</i> Kern River rainbow trout		G5T1Q S1S2	None	None	AFS:TH CDFW:SSC USFS:S	
<i>Oncorhynchus mykiss irideus</i> steelhead - Klamath Mountains Province DPS		G5T3Q S2	None	None	CDFW:SSC USFS:S	Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - central California coast DPS		G5T2T3Q S2S3	Threatened	None	AFS:TH	Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - south/central California coast DPS		G5T2Q S2	Threatened	None	AFS:TH CDFW:SSC	Yes

## Special Animals List - March 2015

## Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>SALMONIDAE (trout &amp; salmon)</b>						
+ <i>Oncorhynchus mykiss irideus</i> southern steelhead - southern California DPS		G5T1Q S1	Endangered	None	AFS:EN CDFW:SSC	Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - Central Valley DPS		G5T2Q S2	Threatened	None	AFS:TH	Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - northern California DPS		G5T2T3Q S2S3	Threatened	None	AFS:TH CDFW:SSC	Yes
+ <i>Oncorhynchus mykiss irideus</i> summer-run steelhead trout		G5T4Q S2	None	None	CDFW:SSC	Yes
+ <i>Oncorhynchus mykiss ssp. 1</i> Goose Lake redband trout		G5T2Q S1	None	None	AFS:VU CDFW:SSC USFS:S	
+ <i>Oncorhynchus mykiss ssp. 2</i> McCloud River redband trout		G5T1T2Q S1S2	None	None	AFS:VU CDFW:SSC USFS:S	
<i>Oncorhynchus mykiss ssp. 3</i> Warner Valley redband trout		G5T2Q S1?	None	None	AFS:VU USFS:S	
+ <i>Oncorhynchus mykiss whitei</i> Little Kern golden trout		G5T2 S2	Threatened	None	AFS:EN	
+ <i>Oncorhynchus tshawytscha</i> chinook salmon - spring-run Klamath-Trinity Rivers pop.		G5 S1S2	None	None	CDFW:SSC USFS:S	
+ <i>Oncorhynchus tshawytscha</i> chinook salmon - Central Valley spring-run ESU		G5 S1	Threatened	Threatened	AFS:TH	Yes
+ <i>Oncorhynchus tshawytscha</i> chinook salmon - Sacramento River winter-run ESU		G5 S1	Endangered	Endangered	AFS:EN	
<i>Oncorhynchus tshawytscha</i> chinook salmon - Central Valley fall / late fall-run ESU		G5 S2?	None	None	AFS:VU CDFW:SSC NMFS:SC USFS:S	Yes
+ <i>Oncorhynchus tshawytscha</i> chinook salmon - California coastal ESU		G5 S1	Threatened	None	AFS:TH	Yes
<i>Prosopium williamsoni</i> mountain whitefish		G5 S3	None	None		
+ <i>Salvelinus confluentus</i> bull trout		G4 SX	Threatened	Endangered	IUCN:VU	
<b>OSMERIDAE (smelt)</b>						
+ <i>Hypomesus transpacificus</i> Delta smelt		G1 S1	Threatened	Endangered	AFS:TH IUCN:EN	
+ <i>Spirinchus thaleichthys</i> longfin smelt		G5 S1	Candidate	Threatened	CDFW:SSC	Yes
+ <i>Thaleichthys pacificus</i> eulachon	(southern DPS)	G5 S3	Threatened	None	CDFW:SSC	
<b>CYPRINIDAE (minnows and carp)</b>						
+ <i>Gila coerulea</i> blue chub		G3G4 S2S3	None	None	CDFW:SSC	
+ <i>Gila elegans</i> bonytail		G1 S1	Endangered	Endangered	AFS:EN IUCN:EN	
+ <i>Gila orcuttii</i> arroyo chub		G2 S2	None	None	AFS:VU CDFW:SSC USFS:S	
+ <i>Lavinia exilicauda chi</i> Clear Lake hitch		G4T1 S1	None	Threatened	AFS:VU CDFW:SSC USFS:S	
<i>Lavinia exilicauda exilicauda</i> Central Valley hitch		G4T2T4 S2S4	None	None		

## Special Animals List - March 2015

## Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>CYPRINIDAE (minnows and carp)</b>						
<i>Lavinia exilicauda harengus</i> Pajaro/Salinas hitch		G4T2T4 S2S4	None	None		
+ <i>Lavinia symmetricus mitrulus</i> Pit roach		G4T2 S2	None	None	AFS:VU CDFW:SSC	
+ <i>Lavinia symmetricus navarroensis</i> Navarro roach		G4T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Lavinia symmetricus parvipinnis</i> Gualala roach		G4T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Lavinia symmetricus ssp. 1</i> San Joaquin roach		G4T3Q S3	None	None	CDFW:SSC	Yes
+ <i>Lavinia symmetricus ssp. 2</i> Tomales roach		G4T2T3 S2S3	None	None	CDFW:SSC	
+ <i>Lavinia symmetricus ssp. 3</i> Red Hills roach		G4T1 S1	None	None	AFS:VU BLM:S CDFW:SSC	
<i>Lavinia symmetricus ssp. 4</i> Clear Lake - Russian River roach		G4T2T3 S2S3	None	None		
<i>Lavinia symmetricus subditus</i> Monterey roach		G4T2T3 S2S3	None	None	CDFW:SSC	
+ <i>Mylopharodon conocephalus</i> hardhead		G3 S3	None	None	CDFW:SSC USFS:S	
+ <i>Pogonichthys macrolepidotus</i> Sacramento splittail		G2 S2	None	None	AFS:VU CDFW:SSC IUCN:EN	
+ <i>Ptychocheilus lucius</i> Colorado pikeminnow		G1 SX	Endangered	Endangered	CDFW:FP IUCN:VU	
+ <i>Rhinichthys osculus ssp. 1</i> Amargosa Canyon speckled dace		G5T1Q S1	None	None	AFS:TH BLM:S CDFW:SSC	Yes
+ <i>Rhinichthys osculus ssp. 2</i> Owens speckled dace		G5T1T2Q S1S2	None	None	AFS:TH CDFW:SSC	Yes
+ <i>Rhinichthys osculus ssp. 3</i> Santa Ana speckled dace		G5T1 S1	None	None	AFS:TH CDFW:SSC USFS:S	
+ <i>Rhinichthys osculus ssp. 5</i> Long Valley speckled dace		G5T1 S1	None	None	AFS:EN BLM:S	
+ <i>Siphateles bicolor mohavensis</i> Mohave tui chub		G4T1 S1	Endangered	Endangered	AFS:EN CDFW:FP	
<i>Siphateles bicolor pectinifer</i> Lahontan Lake tui chub		G4T3 S1S2	None	None	CDFW:SSC	
+ <i>Siphateles bicolor snyderi</i> Owens tui chub		G4T1 S1	Endangered	Endangered	AFS:EN	
+ <i>Siphateles bicolor ssp. 1</i> Eagle Lake tui chub		G4T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Siphateles bicolor ssp. 2</i> High Rock Spring tui chub		G4TX SX	None	None	CDFW:SSC	
<i>Siphateles bicolor ssp. 3</i> Pit River tui chub		G4T1T3 S1S3	None	None		
+ <i>Siphateles bicolor thalassina</i> Goose Lake tui chub		G4T2T3 S2	None	None	AFS:TH CDFW:SSC	
+ <i>Siphateles bicolor vaccaceps</i> Cow Head tui chub		G4T1 S1	None	None	AFS:EN CDFW:SSC	
<b>CATOSTOMIDAE (suckers)</b>						
+ <i>Catostomus fumeiventris</i> Owens sucker		G3 S3	None	None	CDFW:SSC	
+ <i>Catostomus latipinnis</i> flannelmouth sucker		G3G4 S1	None	None		

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## Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>CATOSTOMIDAE (suckers)</b>						
+ <i>Catostomus microps</i> Modoc sucker		G2 S2	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	
+ <i>Catostomus occidentalis lacusanserinus</i> Goose Lake sucker		G5T2Q S1	None	None	AFS:VU CDFW:SSC USFS:S	
<i>Catostomus platyrhynchus</i> mountain sucker		G5 S2S3	None	None	CDFW:SSC	
<i>Catostomus rimiculus</i> ssp. 1 Jenny Creek sucker		G5T2Q S1	None	None	AFS:VU	
+ <i>Catostomus santaanae</i> Santa Ana sucker		G1 S1	Threatened	None	AFS:TH CDFW:SSC IUCN:VU	
+ <i>Catostomus snyderi</i> Klamath largescale sucker		G3 S2	None	None	AFS:TH CDFW:SSC IUCN:NT	
+ <i>Chasmistes brevirostris</i> shortnose sucker		G1 S1	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	
+ <i>Deltistes luxatus</i> Lost River sucker		G1 S1	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	
+ <i>Xyrauchen texanus</i> razorback sucker		G1 S1S2	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	
<b>CYPRINODONTIDAE (killifishes)</b>						
+ <i>Cyprinodon macularius</i> desert pupfish		G1 S1	Endangered	Endangered	AFS:EN IUCN:VU	
+ <i>Cyprinodon nevadensis amargosae</i> Amargosa pupfish		G2T1T2 S1S2	None	None	AFS:VU BLM:S CDFW:SSC IUCN:VU	
+ <i>Cyprinodon nevadensis nevadensis</i> Saratoga Springs pupfish		G2T1 S1	None	None	AFS:TH CDFW:SSC IUCN:VU	
+ <i>Cyprinodon nevadensis shoshone</i> Shoshone pupfish		G2T1 S1	None	None	AFS:EN CDFW:SSC IUCN:VU	
+ <i>Cyprinodon radiosus</i> Owens pupfish		G1 S1	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	
+ <i>Cyprinodon salinus milleri</i> Cottonball Marsh pupfish		G1T1Q S1	None	Threatened	AFS:TH IUCN:EN	
+ <i>Cyprinodon salinus salinus</i> Salt Creek pupfish		G1T1 S1	None	None	AFS:VU CDFW:SSC IUCN:EN	
<b>GASTEROSTEIDAE (sticklebacks)</b>						
<i>Gasterosteus aculeatus microcephalus</i> resident threespine stickleback	(South of Pt. Conception only)	G5T2T3 S2S3	None	None		Yes
<i>Gasterosteus aculeatus santaanae</i> Santa Ana (=Shay Creek) threespine stickleback		G5T1Q S1	None	None	AFS:EN	Yes
+ <i>Gasterosteus aculeatus williamsoni</i> unarmored threespine stickleback		G5T1 S1	Endangered	Endangered	AFS:EN CDFW:FP	Yes
<b>POLYPRIONIDAE (wreckfishes)</b>						
<i>Stereolepis gigas</i> giant sea bass		G3 S1S2	None	None	AFS:VU IUCN:CR	Yes

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**Fishes**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>CENTRARCHIDAE (sunfishes)</b>						
+ <i>Archoplites interruptus</i> Sacramento perch	(Within native range only)	G2G3 S1	None	None	AFS:TH CDFW:SSC	
<b>EMBIOTOCIDAE (surfperches)</b>						
<i>Hysterocarpus traski lagunae</i> Clear Lake tule perch		G5T2T3 S2S3	None	None		
+ <i>Hysterocarpus traski pomo</i> Russian River tule perch		G5T4 S4	None	None	AFS:VU CDFW:SSC	
<i>Hysterocarpus traski traski</i> Sacramento-San Joaquin tule perch		G5T2T3 S2S3	None	None		
<b>GOBIIDAE (gobies)</b>						
+ <i>Eucyclogobius newberryi</i> tidewater goby		G3 S2S3	Endangered	None	AFS:EN CDFW:SSC IUCN:VU	
<b>COTTIDAE (sculpins)</b>						
+ <i>Cottus asperrimus</i> rough sculpin		G2 S2	None	Threatened	AFS:VU BLM:S CDFW:FP IUCN:VU	
<i>Cottus gulosus</i> riffle sculpin		G5 S3S4	None	None		
<i>Cottus klamathensis klamathensis</i> Upper Klamath marbled sculpin		G4T1T2 S1S2	None	None		
+ <i>Cottus klamathensis macrops</i> bigeye marbled sculpin		G4T3 S3	None	None	AFS:VU CDFW:SSC	
<i>Cottus klamathensis polyporus</i> Lower Klamath marbled sculpin		G4T2T4 S2S4	None	None		
<i>Cottus perplexus</i> reticulate sculpin		G4 S2S3	None	None	CDFW:SSC	

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**Amphibians**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>AMBYSTOMATIDAE (mole salamanders)</b>						
+ <i>Ambystoma californiense</i> California tiger salamander		G2G3 S2S3	Threatened	Threatened	CDFW:SSC IUCN:VU	Yes
+ <i>Ambystoma macrodactylum croceum</i> Santa Cruz long-toed salamander		G5T1T2 S1S2	Endangered	Endangered	CDFW:FP	
<b>RHYACOTRITONIDAE (Olympic salamanders)</b>						
+ <i>Rhyacotriton variegatus</i> southern torrent salamander		G3G4 S2S3	None	None	CDFW:SSC IUCN:LC USFS:S	
<b>SALAMANDRIDAE (newts)</b>						
+ <i>Taricha torosa</i> Coast Range newt	(Monterey Co. & south only)	G4 S4	None	None	CDFW:SSC	
<b>PLETHODONTIDAE (lungless salamanders)</b>						
+ <i>Batrachoseps altasierrae</i> Greenhorn Mountains slender salamander		G4 S3S4	None	None	CDFW:SSC	
+ <i>Batrachoseps bramei</i> Fairview slender salamander		G3 S3	None	None	USFS:S	
+ <i>Batrachoseps campi</i> Inyo Mountains slender salamander		G2 S2	None	None	BLM:S CDFW:SSC IUCN:EN USFS:S	
<i>Batrachoseps diabolicus</i> Hell Hollow slender salamander		G2 S2	None	None	IUCN:DD	
+ <i>Batrachoseps gabrieli</i> San Gabriel slender salamander		G2 S2	None	None	IUCN:DD USFS:S	
<i>Batrachoseps gregarius</i> gregarious slender salamander		G4 S4	None	None	IUCN:LC	
<i>Batrachoseps incognitus</i> San Simeon slender salamander		G2G3 S2S3	None	None	USFS:S	
<i>Batrachoseps kawia</i> Sequoia slender salamander		G1G2 S1S2	None	None	IUCN:DD	
<i>Batrachoseps luciae</i> Santa Lucia slender salamander		G2G3 S2S3	None	None	IUCN:LC	
+ <i>Batrachoseps major aridus</i> desert slender salamander		G4T1 S1	Endangered	Endangered		
<i>Batrachoseps minor</i> lesser slender salamander		G1G2 S1S2	None	None	IUCN:DD USFS:S	
+ <i>Batrachoseps pacificus</i> Channel Islands slender salamander		G3QT2 S2	None	None	IUCN:LC	
+ <i>Batrachoseps regius</i> Kings River slender salamander		G1 S1	None	None	IUCN:VU USFS:S	
+ <i>Batrachoseps relictus</i> relictual slender salamander		G1 S1	None	None	CDFW:SSC IUCN:DD USFS:S	Yes
+ <i>Batrachoseps robustus</i> Kern Plateau salamander		G2 S2	None	None	IUCN:NT	
+ <i>Batrachoseps simatus</i> Kern Canyon slender salamander		G2 S2	None	Threatened	IUCN:VU USFS:S	
+ <i>Batrachoseps stebbinsi</i> Tehachapi slender salamander		G2 S2	None	Threatened	BLM:S IUCN:VU	
+ <i>Ensatina eschscholtzii croceator</i> yellow-blotched salamander		G5T3 S3	None	None	BLM:S CDFW:SSC USFS:S	
+ <i>Ensatina klauberi</i> large-blotched salamander		G2G3 S2S3	None	None	CDFW:SSC USFS:S	
+ <i>Hydromantes brunus</i> limestone salamander		G1 S1	None	Threatened	BLM:S CDFW:FP IUCN:VU USFS:S	

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**Amphibians**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>PLETHODONTIDAE (lungless salamanders)</b>						
+ <i>Hydromantes platycephalus</i> Mount Lyell salamander		G4 S4	None	None	CDFW:SSC IUCN:LC	
+ <i>Hydromantes shastae</i> Shasta salamander		G1G2 S1S2	None	Threatened	BLM:S IUCN:VU USFS:S	
+ <i>Plethodon asupak</i> Scott Bar salamander		G1G2 S1S2	None	Threatened	IUCN:VU	Yes
+ <i>Plethodon elongatus</i> Del Norte salamander		G4 S3	None	None	CDFW:SSC IUCN:NT	
+ <i>Plethodon stormi</i> Siskiyou Mountains salamander		G2G3 S1S2	None	Threatened	IUCN:EN USFS:S	
<b>ASCAPHIDAE (tailed frogs)</b>						
+ <i>Ascaphus truei</i> Pacific tailed frog		G4 S2S3	None	None	CDFW:SSC IUCN:LC	
<b>SCAPHIOPODIDAE (spadefoot toads)</b>						
+ <i>Scaphiopus couchii</i> Couch's spadefoot		G5 S2S3	None	None	BLM:S CDFW:SSC IUCN:LC	
+ <i>Spea hammondi</i> western spadefoot		G3 S3	None	None	BLM:S CDFW:SSC IUCN:NT	
<b>BUFONIDAE (true toads)</b>						
+ <i>Anaxyrus californicus</i> arroyo toad		G2G3 S2S3	Endangered	None	CDFW:SSC IUCN:EN	Yes
+ <i>Anaxyrus canorus</i> Yosemite toad		G2 S2	Threatened	None	CDFW:SSC IUCN:EN USFS:S	Yes
+ <i>Anaxyrus exsul</i> black toad		G1 S1	None	Threatened	BLM:S CDFW:FP IUCN:VU USFS:S	Yes
+ <i>Incilius alvarius</i> Sonoran desert toad		G5 SH	None	None	CDFW:SSC IUCN:LC	Yes
<b>RANIDAE</b>						
+ <i>Lithobates pipiens</i> northern leopard frog	(Native populations only)	G5 S2	None	None	CDFW:SSC IUCN:LC	Yes
+ <i>Lithobates yavapaiensis</i> lowland (=Yavapai, San Sebastian & San Felipe) leopard frog		G4 SX	None	None	BLM:S CDFW:SSC IUCN:LC	Yes
+ <i>Rana aurora</i> northern red-legged frog		G4 S2?	None	None	CDFW:SSC USFS:S	Yes
+ <i>Rana boylei</i> foothill yellow-legged frog		G3 S2S3	None	None	BLM:S CDFW:SSC IUCN:NT USFS:S	
+ <i>Rana cascadae</i> Cascades frog		G3G4 S3	None	None	CDFW:SSC IUCN:NT USFS:S	
+ <i>Rana draytonii</i> California red-legged frog		G2G3 S2S3	Threatened	None	CDFW:SSC IUCN:VU	Yes
+ <i>Rana muscosa</i> southern mountain yellow-legged frog		G1 S1	Endangered	Endangered	CDFW:SSC IUCN:EN USFS:S	Yes
+ <i>Rana pretiosa</i> Oregon spotted frog		G2 SH	Threatened	None	BLM:S CDFW:SSC IUCN:VU	

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**Amphibians**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>RANIDAE</b>						
+ <i>Rana sierrae</i> Sierra Nevada yellow-legged frog		G1 S1	Endangered	Threatened	CDFW:SSC IUCN:EN USFS:S	Yes

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## Reptiles

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>CHELONIIDAE (sea turtles)</b>						
+ <i>Chelonia mydas</i> green turtle		G3 S1	Threatened	None	IUCN:EN	
<b>KINOSTERNIDAE (musk and mud turtles)</b>						
+ <i>Kinosternon sonoriense</i> Sonoran mud turtle		G4 SH	None	None	CDFW:SSC IUCN:VU	
<b>EMYDIDAE (box and water turtles)</b>						
+ <i>Emys marmorata</i> western pond turtle		G3G4 S3	None	None	BLM:S CDFW:SSC IUCN:VU USFS:S	Yes
<b>TESTUDINIDAE (land tortoises)</b>						
+ <i>Gopherus agassizii</i> desert tortoise		G3 S2	Threatened	Threatened	IUCN:VU	
<b>GEKKONIDAE (geckos)</b>						
+ <i>Coleonyx switaki</i> barefoot gecko		G4 S1	None	Threatened	BLM:S IUCN:LC	
+ <i>Coleonyx variegatus abbotti</i> San Diego banded gecko		G5T3T4 S1S2	None	None		
<b>CROTAPHYTIDAE (collared &amp; leopard lizards)</b>						
+ <i>Gambelia sila</i> blunt-nosed leopard lizard		G1 S1	Endangered	Endangered	CDFW:FP IUCN:EN	
<b>PHRYNOSOMATIDAE (spiny lizards)</b>						
+ <i>Phrynosoma blainvillii</i> coast horned lizard		G3G4 S3S4	None	None	BLM:S CDFW:SSC IUCN:LC	
+ <i>Phrynosoma mcallii</i> flat-tailed horned lizard		G3 S2	None	Candidate Endangered	BLM:S CDFW:SSC IUCN:NT	
+ <i>Sceloporus graciosus graciosus</i> northern sagebrush lizard		G5T5 S3	None	None	BLM:S	
+ <i>Uma inornata</i> Coachella Valley fringe-toed lizard		G1Q S1	Threatened	Endangered	IUCN:EN	
+ <i>Uma notata</i> Colorado Desert fringe-toed lizard		G3 S2	None	None	BLM:S CDFW:SSC IUCN:NT	
+ <i>Uma scoparia</i> Mojave fringe-toed lizard		G3G4 S3S4	None	None	BLM:S CDFW:SSC IUCN:LC	
<b>XANTUSIIDAE (night lizards)</b>						
+ <i>Xantusia gracilis</i> sandstone night lizard		G1 S1	None	None	CDFW:SSC IUCN:VU	
+ <i>Xantusia riversiana</i> island night lizard		G3 S3	Delisted	None	IUCN:LC	
<i>Xantusia sierrae</i> Sierra night lizard		G5T1 S1	None	None	CDFW:SSC USFS:S	
<b>SCINCIDAE (skinks)</b>						
+ <i>Plestiodon skiltonianus interparietalis</i> Coronado Island skink		G5T2T3Q S1S2	None	None	BLM:S CDFW:SSC	
<b>TEIIDAE (whiptails and relatives)</b>						
+ <i>Aspidoscelis hyperythra</i> orangethroat whiptail		G5 S2	None	None	CDFW:SSC IUCN:LC USFS:S	
+ <i>Aspidoscelis tigris stejnegeri</i> coastal whiptail		G5T3T4 S2S3	None	None		

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## Reptiles

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>ANGUIDAE (alligator lizards)</b>						
+ <i>Elgaria panamintina</i> Panamint alligator lizard		G3 S3	None	None	BLM:S CDFW:SSC IUCN:VU USFS:S	
<b>ANNIELLIDAE (Legless lizards)</b>						
+ <i>Anniella pulchra nigra</i> black legless lizard		G3G4T2T3Q S2	None	None	CDFW:SSC USFS:S	
+ <i>Anniella pulchra pulchra</i> silvery legless lizard		G3G4T3T4Q S3	None	None	CDFW:SSC USFS:S	
<b>HELODERMATIDAE (venomous lizards)</b>						
+ <i>Heloderma suspectum cinctum</i> banded gila monster		G4T4 S1	None	None	BLM:S CDFW:SSC IUCN:NT	Yes
<b>BOIDAE (boas)</b>						
+ <i>Charina trivirgata</i> rosy boa		G4G5 S3S4	None	None	IUCN:LC USFS:S	Yes
+ <i>Charina umbratica</i> southern rubber boa		G2G3 S2S3	None	Threatened	USFS:S	
<b>COLUBRIDAE (egg-laying snakes)</b>						
<i>Bogertophis rosaliae</i> Baja California rat snake		G4 S1	None	None	CDFW:SSC IUCN:LC	
+ <i>Diadophis punctatus modestus</i> San Bernardino ringneck snake		G5T2T3Q S2?	None	None	USFS:S	
+ <i>Diadophis punctatus similis</i> San Diego ringneck snake		G5T2T3 S2?	None	None	USFS:S	
+ <i>Lampropeltis zonata (parvirubra)</i> California mountain kingsnake (San Bernardino population)		G4G5 S2?	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	
+ <i>Lampropeltis zonata (pulchra)</i> California mountain kingsnake (San Diego population)		G4G5 S1S2	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	
+ <i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake		G5T2T3 S2?	None	None	CDFW:SSC	
+ <i>Masticophis lateralis euryxanthus</i> Alameda whipsnake		G4T2 S2	Threatened	Threatened		
<i>Pituophis catenifer pumilus</i> Santa Cruz Island gopher snake		G5T1T2 S1?	None	None	CDFW:SSC	
+ <i>Salvadora hexalepis virgulata</i> coast patch-nosed snake		G5T4 S2S3	None	None	CDFW:SSC	
<b>NATRICIDAE (live-bearing snakes)</b>						
+ <i>Thamnophis gigas</i> giant garter snake		G2 S2	Threatened	Threatened	IUCN:VU	
+ <i>Thamnophis hammondi</i> two-striped garter snake		G4 S3S4	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	
<i>Thamnophis hammondi</i> ssp. Santa Catalina garter snake		G4T1? S1	None	None		
+ <i>Thamnophis sirtalis</i> ssp. south coast garter snake	(Coastal plain from Ventura Co. to San Diego Co., from sea level to about 850 m.)	G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Thamnophis sirtalis tetrataenia</i> San Francisco garter snake		G5T2Q S2	Endangered	Endangered	CDFW:FP	

Special Animals List - March 2015

**Reptiles**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>VIPERIIDAE (vipers)</b>						
+ <i>Crotalus ruber</i> red-diamond rattlesnake		G4 S2?	None	None	CDFW:SSC USFS:S	

## Special Animals List - March 2015

**Birds**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>ANATIDAE (ducks, geese, and swans)</b>						
<i>Anser albifrons elgasi</i> tule greater white-fronted goose	(Wintering)	G5T2 S2S3	None	None	CDFW:SSC	
<i>Aythya americana</i> redhead	(Nesting)	G5 S3S4	None	None	CDFW:SSC IUCN:LC	
<i>Aythya valisineria</i> canvasback	(Nesting)	G5 S2	None	None	IUCN:LC	
<i>Branta bernicla</i> brant	(Wintering & staging)	G5 S2?	None	None	CDFW:SSC IUCN:LC	
+ <i>Branta hutchinsii leucopareia</i> cackling (=Aleutian Canada) goose	(Wintering)	G5T3 S2	Delisted	None		
<i>Bucephala islandica</i> Barrow's goldeneye	(Nesting)	G5 S1	None	None	CDFW:SSC IUCN:LC	
+ <i>Dendrocygna bicolor</i> fulvous whistling-duck	(Nesting)	G5 S1	None	None	CDFW:SSC IUCN:LC	
+ <i>Histrionicus histrionicus</i> harlequin duck	(Nesting)	G4 S2	None	None	CDFW:SSC IUCN:LC	
<b>PHASIANIDAE (grouse and ptarmigan)</b>						
+ <i>Bonasa umbellus</i> ruffed grouse		G5 S3S4	None	None	CDFW:WL IUCN:LC	
+ <i>Centrocercus urophasianus</i> greater sage-grouse	(Nesting & leks)	G3G4 S3	Proposed Threatened	None	BLM:S CDFW:SSC IUCN:NT USFS:S	Yes
+ <i>Dendragapus fuliginosus howardi</i> Mount Pinos sooty grouse		G5T2T3 S2S3	None	None	CDFW:SSC	Yes
<i>Tympanuchus phasianellus columbianus</i> Columbian sharp-tailed grouse		G4T3 SX	None	None	CDFW:SSC	
<b>ODONTOPHORIDAE (partridge and quail)</b>						
<i>Callipepla californica catalinensis</i> Catalina California quail		G5T2 S2	None	None	CDFW:SSC	
<b>GAVIIDAE (loons)</b>						
<i>Gavia immer</i> common loon	(Nesting)	G5 S1	None	None	CDFW:SSC IUCN:LC	
<b>DIOMEDEIDAE (albatross)</b>						
<i>Phoebastria albatrus</i> short-tailed albatross		G1 S1	Endangered	None	CDFW:SSC IUCN:VU NABCI:RWL	
<b>HYDROBATIDAE (storm petrels)</b>						
+ <i>Oceanodroma furcata</i> fork-tailed storm-petrel	(Nesting colony)	G5 S1	None	None	BLM:S CDFW:SSC IUCN:LC	
+ <i>Oceanodroma homochroa</i> ashy storm-petrel	(Nesting colony)	G2 S2	None	None	BLM:S CDFW:SSC IUCN:EN NABCI:RWL USFWS:BCC	
+ <i>Oceanodroma melania</i> black storm-petrel	(Nesting colony)	G3G4 S1	None	None	CDFW:SSC IUCN:LC NABCI:YWL	
<b>PELECANIIDAE (pelicans)</b>						
+ <i>Pelecanus erythrorhynchos</i> American white pelican	(Nesting colony)	G4 S1	None	None	CDFW:SSC IUCN:LC	
+ <i>Pelecanus occidentalis californicus</i> California brown pelican	(Nesting colony & communal roosts)	G4T3 S3	Delisted	Delisted	BLM:S CDFW:FP USFS:S	

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**Birds**

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<b>PHALACROCORACIDAE (cormorants)</b>						
+ <i>Phalacrocorax auritus</i> double-crested cormorant	(Nesting colony)	G5 S4	None	None	CDFW:WL IUCN:LC	
<b>ARDEIDAE (herons, egrets, and bitterns)</b>						
+ <i>Ardea alba</i> great egret	(Nesting colony)	G5 S4	None	None	CDF:S IUCN:LC	
+ <i>Ardea herodias</i> great blue heron	(Nesting colony)	G5 S4	None	None	CDF:S IUCN:LC	
<i>Botaurus lentiginosus</i> American bittern		G4 S3S4	None	None	IUCN:LC	
+ <i>Egretta thula</i> snowy egret	(Nesting colony)	G5 S4	None	None	IUCN:LC	
+ <i>Ixobrychus exilis</i> least bittern	(Nesting)	G5 S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	
+ <i>Nycticorax nycticorax</i> black-crowned night heron	(Nesting colony)	G5 S4	None	None	IUCN:LC	
<b>THRESKIORNITHIDAE (ibises and spoonbills)</b>						
+ <i>Plegadis chihi</i> white-faced ibis	(Nesting colony)	G5 S3S4	None	None	CDFW:WL IUCN:LC	
<b>CICONIIDAE (storks)</b>						
<i>Mycteria americana</i> wood stork		G4 S2?	None	None	CDFW:SSC IUCN:LC	
<b>CATHARTIDAE (New World vultures)</b>						
+ <i>Gymnogyps californianus</i> California condor		G1 S1	Endangered	Endangered	CDF:S CDFW:FP IUCN:CR NABCI:RWL	
<b>ACCIPITRIDAE (hawks, kites, harriers, &amp; eagles)</b>						
+ <i>Accipiter cooperii</i> Cooper's hawk	(Nesting)	G5 S4	None	None	CDFW:WL IUCN:LC	
+ <i>Accipiter gentilis</i> northern goshawk	(Nesting)	G5 S3	None	None	BLM:S CDF:S CDFW:SSC IUCN:LC USFS:S	
+ <i>Accipiter striatus</i> sharp-shinned hawk	(Nesting)	G5 S4	None	None	CDFW:WL	
+ <i>Aquila chrysaetos</i> golden eagle	(Nesting & wintering)	G5 S3	None	None	BLM:S CDF:S CDFW:FP CDFW:WL IUCN:LC USFWS:BCC	
+ <i>Buteo regalis</i> ferruginous hawk	(Wintering)	G4 S3S4	None	None	CDFW:WL IUCN:LC USFWS:BCC	
+ <i>Buteo swainsoni</i> Swainson's hawk	(Nesting)	G5 S3	None	Threatened	BLM:S IUCN:LC USFWS:BCC	
+ <i>Circus cyaneus</i> northern harrier	(Nesting)	G5 S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Elanus leucurus</i> white-tailed kite	(Nesting)	G5 S3S4	None	None	BLM:S CDFW:FP IUCN:LC	

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**Birds**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>ACCIPITRIDAE (hawks, kites, harriers, &amp; eagles)</b>						
+ <i>Haliaeetus leucocephalus</i> bald eagle	(Nesting & wintering)	G5 S2	Delisted	Endangered	BLM:S CDF:S CDFW:FP IUCN:LC USFS:S USFWS:BCC	
+ <i>Pandion haliaetus</i> osprey	(Nesting)	G5 S4	None	None	CDF:S CDFW:WL IUCN:LC	
<i>Parabuteo unicinctus</i> Harris' hawk	(Nesting)	G5 S1	None	None	CDFW:WL IUCN:LC	
<b>FALCONIDAE (falcons)</b>						
+ <i>Falco columbarius</i> merlin	(Wintering)	G5 S3S4	None	None	CDFW:WL IUCN:LC	
+ <i>Falco mexicanus</i> prairie falcon	(Nesting)	G5 S4	None	None	CDFW:WL IUCN:LC USFWS:BCC	
+ <i>Falco peregrinus anatum</i> American peregrine falcon	(Nesting)	G4T4 S3S4	Delisted	Delisted	CDF:S CDFW:FP USFWS:BCC	
<b>RALLIDAE (rails, coots, and gallinules)</b>						
+ <i>Coturnicops noveboracensis</i> yellow rail		G4 S1S2	None	None	CDFW:SSC IUCN:LC NABCI:RWL USFS:S USFWS:BCC	
+ <i>Laterallus jamaicensis coturniculus</i> California black rail		G3G4T1 S1	None	Threatened	BLM:S CDFW:FP IUCN:NT NABCI:RWL USFWS:BCC	Yes
+ <i>Rallus longirostris levipes</i> light-footed clapper rail		G5T1T2 S1	Endangered	Endangered	CDFW:FP NABCI:RWL	Yes
+ <i>Rallus longirostris obsoletus</i> California clapper rail		G5T1 S1	Endangered	Endangered	CDFW:FP NABCI:RWL	Yes
+ <i>Rallus longirostris yumanensis</i> Yuma clapper rail		G5T3 S1	Endangered	Threatened	CDFW:FP NABCI:RWL	Yes
<b>GRUIDAE (cranes)</b>						
<i>Grus canadensis canadensis</i> lesser sandhill crane	(Wintering)	G5T4 S3S4	None	None	CDFW:SSC	
+ <i>Grus canadensis tabida</i> greater sandhill crane	(Nesting & wintering)	G5T4 S2	None	Threatened	BLM:S CDFW:FP USFS:S	
<b>CHARADRIIDAE (plovers and relatives)</b>						
+ <i>Charadrius alexandrinus nivosus</i> western snowy plover	(Nesting)	G3T3 S2	Threatened	None	CDFW:SSC NABCI:RWL USFWS:BCC	Yes
+ <i>Charadrius montanus</i> mountain plover	(Wintering)	G3 S2?	None	None	BLM:S CDFW:SSC IUCN:NT NABCI:RWL USFWS:BCC	Yes
<b>HAEMATOPODIDAE (oystercatchers)</b>						
<i>Haematopus bachmani</i> black oystercatcher	(Nesting)	G5 S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	

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**Birds**

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<b>SCOLOPACIDAE (sandpipers and relatives)</b>						
<i>Numenius americanus</i> long-billed curlew	(Nesting)	G5 S2	None	None	CDFW:WL IUCN:LC NABCI:YWL USFWS:BCC	
<b>LARIDAE (gulls and terns)</b>						
+ <i>Chlidonias niger</i> black tern	(Nesting colony)	G4 S2	None	None	CDFW:SSC IUCN:LC	
+ <i>Gelochelidon nilotica</i> gull-billed tern	(Nesting colony)	G5 S1	None	None	CDFW:SSC IUCN:LC NABCI:YWL USFWS:BCC	Yes
+ <i>Hydroprogne caspia</i> Caspian tern	(Nesting colony)	G5 S4	None	None	IUCN:LC USFWS:BCC	Yes
+ <i>Larus californicus</i> California gull	(Nesting colony)	G5 S4	None	None	CDFW:WL IUCN:LC	
<i>Leucophaeus atricilla</i> laughing gull	(Nesting colony)	G5 S1	None	None	CDFW:WL IUCN:LC	
+ <i>Rynchops niger</i> black skimmer	(Nesting colony)	G5 S2	None	None	CDFW:SSC IUCN:LC NABCI:YWL USFWS:BCC	
<i>Sterna forsteri</i> Forster's tern	(Nesting colony)	G5 S4	None	None	IUCN:LC	
+ <i>Sternula antillarum browni</i> California least tern	(Nesting colony)	G4T2T3Q S2	Endangered	Endangered	CDFW:FP NABCI:RWL	Yes
<i>Thalasseus elegans</i> elegant tern	(Nesting colony)	G2 S1	None	None	CDFW:WL IUCN:NT	Yes
<b>ALCIDAE (auklets, puffins, and relatives)</b>						
+ <i>Brachyramphus marmoratus</i> marbled murrelet	(Nesting)	G3G4 S1	Threatened	Endangered	CDF:S IUCN:EN NABCI:RWL	
+ <i>Cerorhinca monocerata</i> rhinoceros auklet	(Nesting colony)	G5 S3	None	None	CDFW:WL IUCN:LC	
+ <i>Fratercula cirrhata</i> tufted puffin	(Nesting colony)	G5 S1S2	None	None	CDFW:SSC IUCN:LC	
<i>Ptychoramphus aleuticus</i> Cassin's auklet	(Nesting colony)	G4 S2S4	None	None	CDFW:SSC IUCN:LC USFWS:BCC	
+ <i>Synthliboramphus scrippsi</i> Scripps's murrelet	(Nesting colony)	G3 S2	Candidate	Threatened	BLM:S IUCN:VU NABCI:RWL USFWS:BCC	Yes
<b>CUCULIDAE (cuckoos and relatives)</b>						
+ <i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	(Nesting)	G5T3Q S1	Threatened	Endangered	BLM:S NABCI:RWL USFS:S USFWS:BCC	
<b>STRIGIDAE (owls)</b>						
+ <i>Asio flammeus</i> short-eared owl	(Nesting)	G5 S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Asio otus</i> long-eared owl	(Nesting)	G5 S3?	None	None	CDFW:SSC IUCN:LC	
+ <i>Athene cunicularia</i> burrowing owl	(Burrow sites & some wintering sites)	G4 S3	None	None	BLM:S CDFW:SSC IUCN:LC USFWS:BCC	Yes

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<b>STRIGIDAE (owls)</b>						
+ <i>Micrathene whitneyi</i> elf owl	(Nesting)	G5 S1	None	Endangered	BLM:S IUCN:LC USFWS:BCC	
<i>Otus flammeolus</i> flammulated owl	(Nesting)	G4 S2S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
+ <i>Strix nebulosa</i> great gray owl	(Nesting)	G5 S1	None	Endangered	CDF:S IUCN:LC USFS:S	
<i>Strix occidentalis caurina</i> northern spotted owl		G3T3 S2S3	Threatened	Candidate Threatened	CDF:S CDFW:SSC IUCN:NT NABCI:YWL	Yes
<i>Strix occidentalis occidentalis</i> California spotted owl		G3T3 S3	None	None	BLM:S CDFW:SSC IUCN:NT USFS:S USFWS:BCC	Yes
<b>APODIDAE (swifts)</b>						
<i>Chaetura vauxi</i> Vaux's swift	(Nesting)	G5 S2S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Cypseloides niger</i> black swift	(Nesting)	G4 S2	None	None	CDFW:SSC IUCN:LC NABCI:YWL USFWS:BCC	
<b>TROCHILIDAE (hummingbirds)</b>						
+ <i>Calypte costae</i> Costa's hummingbird	(Nesting)	G5 S4	None	None	IUCN:LC	
<i>Selasphorus rufus</i> rufous hummingbird	(Nesting)	G5 S1S2	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
<i>Selasphorus sasin</i> Allen's hummingbird	(Nesting)	G5 S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
<b>PICIDAE (woodpeckers)</b>						
+ <i>Colaptes chrysoides</i> gilded flicker		G5 S1	None	Endangered	BLM:S IUCN:LC NABCI:YWL USFWS:BCC	
<i>Melanerpes lewis</i> Lewis' woodpecker	(Nesting)	G4 S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
+ <i>Melanerpes uropygialis</i> Gila woodpecker		G5 S1	None	Endangered	BLM:S IUCN:LC USFWS:BCC	
<i>Picoides albolarvatus</i> White-headed woodpecker	(Nesting)	G4 S4	None	None	IUCN:LC USFWS:BCC	
<i>Picoides nuttallii</i> Nuttall's woodpecker	(Nesting)	G4G5 S4S5	None	None	IUCN:LC USFWS:BCC	
+ <i>Sphyrapicus ruber</i> red-breasted sapsucker	(Nesting)	G5 S4	None	None		
<b>TYRANNIDAE (tyrant flycatchers)</b>						
<i>Contopus cooperi</i> olive-sided flycatcher	(Nesting)	G4 S4	None	None	CDFW:SSC IUCN:NT NABCI:YWL USFWS:BCC	

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<b>TYRANNIDAE (tyrant flycatchers)</b>						
+ <i>Empidonax traillii</i> willow flycatcher	(Nesting)	G5 S1S2	None	Endangered	IUCN:LC USFS:S USFWS:BCC	Yes
+ <i>Empidonax traillii brewsteri</i> little willow flycatcher	(Nesting)	G5T3T4 S1S2	None	Endangered	USFWS:BCC	Yes
+ <i>Empidonax traillii extimus</i> southwestern willow flycatcher	(Nesting)	G5T2 S1	Endangered	Endangered	NABCI:RWL	Yes
+ <i>Myiarchus tyrannulus</i> brown-crested flycatcher	(Nesting)	G5 S3	None	None	CDFW:WL IUCN:LC	
+ <i>Pyrocephalus rubinus</i> vermillion flycatcher	(Nesting)	G5 S2S3	None	None	CDFW:SSC IUCN:LC	
<b>LANIIDAE (shrikes)</b>						
+ <i>Lanius ludovicianus</i> loggerhead shrike	(Nesting)	G4 S4	None	None	CDFW:SSC IUCN:LC USFWS:BCC	
<i>Lanius ludovicianus anthonyi</i> Island loggerhead shrike		G4T1 S1	None	None	CDFW:SSC NABCI:RWL	
+ <i>Lanius ludovicianus mearnsi</i> San Clemente loggerhead shrike		G4T1Q S1	Endangered	None	CDFW:SSC NABCI:RWL	Yes
<b>VIREONIDAE (vireos)</b>						
+ <i>Vireo bellii arizonae</i> Arizona bell's vireo	(Nesting)	G5T4 S1	None	Endangered	BLM:S IUCN:NT USFWS:BCC	Yes
+ <i>Vireo bellii pusillus</i> least Bell's vireo	(Nesting)	G5T2 S2	Endangered	Endangered	IUCN:NT NABCI:YWL	Yes
<i>Vireo huttoni unitti</i> Catalina Hutton's vireo		G5T2? S2?	None	None	CDFW:SSC	
+ <i>Vireo vicinior</i> gray vireo	(Nesting)	G4 S2	None	None	BLM:S CDFW:SSC IUCN:LC NABCI:YWL USFS:S USFWS:BCC	
<b>CORVIDAE (jays, crows, and magpies)</b>						
<i>Aphelocoma californica cana</i> Eagle Mountain scrub-jay		G5T1T2 S1S2	None	None	CDFW:WL	
<i>Aphelocoma insularis</i> Island scrub-jay		G1 S1	None	None	IUCN:NT NABCI:RWL USFWS:BCC	
<i>Pica nuttalli</i> yellow-billed magpie	(Nesting & communal roosts)	G3G4 S3S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
<b>ALAUDIDAE (larks)</b>						
+ <i>Eremophila alpestris actia</i> California horned lark		G5T3Q S3	None	None	CDFW:WL IUCN:LC	
<b>HIRUNDINIDAE (swallows)</b>						
+ <i>Progne subis</i> purple martin	(Nesting)	G5 S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Riparia riparia</i> bank swallow	(Nesting)	G5 S2	None	Threatened	BLM:S IUCN:LC	
<b>PARIDAE (titmice and relatives)</b>						
+ <i>Baeolophus inornatus</i> oak titmouse	(Nesting)	G4 S4	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
<i>Poecile atricapillus</i> black-capped chickadee		G5 S3	None	None	CDFW:WL IUCN:LC	

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<b>TROGLODYTIDAE (wrens)</b>						
+ <i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	(San Diego & Orange Counties only)	G5T3Q S3	None	None	CDFW:SSC USFS:S USFWS:BCC	Yes
<i>Cistothorus palustris clarkae</i> Clark's marsh wren		G5T2T3 S2S3	None	None	CDFW:SSC	
<i>Thryomanes bewickii leucophrys</i> San Clemente Bewick's wren		G5TX SX	None	None	CDFW:SSC	
<b>SYLVIIDAE (gnatcatchers)</b>						
+ <i>Poliophtila californica californica</i> coastal California gnatcatcher		G3T2 S2	Threatened	None	CDFW:SSC NABCI:YWL	Yes
+ <i>Poliophtila melanura</i> black-tailed gnatcatcher		G5 S3S4	None	None	IUCN:LC	
<b>MIMIDAE (mockingbirds and thrashers)</b>						
+ <i>Toxostoma bendirei</i> Bendire's thrasher		G4G5 S3	None	None	BLM:S CDFW:SSC IUCN:VU NABCI:RWL USFWS:BCC	
+ <i>Toxostoma crissale</i> Crissal thrasher		G5 S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Toxostoma lecontei</i> Le Conte's thrasher		G4 S3	None	None	CDFW:SSC IUCN:LC NABCI:RWL USFWS:BCC	Yes
<b>PARULIDAE (wood-warblers)</b>						
+ <i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat		G5T2 S2	None	None	CDFW:SSC USFWS:BCC	Yes
+ <i>Icteria virens</i> yellow-breasted chat	(Nesting)	G5 S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Oreothlypis luciae</i> Lucy's warbler	(Nesting)	G5 S2S3	None	None	BLM:S CDFW:SSC IUCN:LC USFWS:BCC	
+ <i>Oreothlypis virginiae</i> Virginia's warbler	(Nesting)	G5 S2S3	None	None	CDFW:WL IUCN:LC NABCI:YWL USFWS:BCC	
<i>Setophaga occidentalis</i> hermit warbler	(Nesting)	G4G5 S4	None	None	IUCN:LC	
+ <i>Setophaga petechia</i> yellow warbler	(Nesting)	G5 S3S4	None	None	CDFW:SSC USFWS:BCC	Yes
+ <i>Setophaga petechia sonorana</i> Sonoran yellow warbler	(Nesting)	G5T2T3 S2	None	None	CDFW:SSC USFWS:BCC	Yes
<b>EMBERIZIDAE (sparrows, buntings, warblers, &amp; relatives)</b>						
+ <i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow		G5T3 S2S3	None	None	CDFW:WL	
<i>Aimophila ruficeps obscura</i> Santa Cruz Island rufous-crowned sparrow		G5T2T3 S2S3	None	None	CDFW:SSC	
+ <i>Ammodramus savannarum</i> grasshopper sparrow	(Nesting)	G5 S2	None	None	CDFW:SSC IUCN:LC	
+ <i>Artemisiospiza belli belli</i> Bell's sage sparrow		G5T2T4 S2?	None	None	CDFW:WL USFWS:BCC	Yes
+ <i>Artemisiospiza belli clementeae</i> San Clemente sage sparrow		G5T1Q S1	Threatened	None	CDFW:SSC NABCI:YWL USFWS:BCC	Yes
+ <i>Chondestes grammacus</i> lark sparrow	(Nesting)	G5 S4S5	None	None	IUCN:LC	

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<b>EMBERIZIDAE (sparrows, buntings, warblers, &amp; relatives)</b>						
+ <i>Junco hyemalis caniceps</i> gray-headed junco	(Nesting)	G5T5 S1	None	None	CDFW:WL	
+ <i>Melospiza melodia</i> song sparrow ("Modesto" population)		G5 S3?	None	None	CDFW:SSC	
+ <i>Melospiza melodia graminea</i> Channel Island song sparrow		G5T1 S1	None	None	CDFW:SSC USFWS:BCC	Yes
+ <i>Melospiza melodia maxillaris</i> Suisun song sparrow		G5T2 S2	None	None	CDFW:SSC USFWS:BCC	
+ <i>Melospiza melodia pusillula</i> Alameda song sparrow		G5T2? S2?	None	None	CDFW:SSC USFWS:BCC	
+ <i>Melospiza melodia samuelis</i> San Pablo song sparrow		G5T2? S2?	None	None	CDFW:SSC USFWS:BCC	
<i>Melospiza aberti</i> Abert's towhee		G3G4 S2?	None	None	IUCN:LC	
+ <i>Melospiza crissalis eremophilus</i> Inyo California towhee		G4G5T1 S1	Threatened	Endangered	NABCI:RWL	Yes
<i>Passerculus sandwichensis alaudinus</i> Bryant's savannah sparrow		G5T2T3 S2S3	None	None	CDFW:SSC	
+ <i>Passerculus sandwichensis beldingi</i> Belding's savannah sparrow		G5T3 S3	None	Endangered		
<i>Passerculus sandwichensis rostratus</i> large-billed savannah sparrow	(Wintering)	G5T2T3 S2?	None	None	CDFW:SSC	
<i>Pipilo maculatus clementae</i> San Clemente spotted towhee		G5T1 S1	None	None	CDFW:SSC USFWS:BCC	
+ <i>Piranga flava</i> hepatic tanager	(Nesting)	G5 S1	None	None	CDFW:WL IUCN:LC	Yes
+ <i>Piranga rubra</i> summer tanager	(Nesting)	G5 S2	None	None	CDFW:SSC IUCN:LC	Yes
<i>Poocetes gramineus affinis</i> Oregon vesper sparrow	(Wintering)	G5T3? S3?	None	None	CDFW:SSC NABCI:RWL USFWS:BCC	
<i>Spizella atrogularis</i> black-chinned sparrow	(Nesting)	G5 S3	None	None	IUCN:LC NABCI:YWL USFWS:BCC	
+ <i>Spizella breweri</i> Brewer's sparrow	(Nesting)	G5 S3	None	None	IUCN:LC USFWS:BCC	
<i>Spizella passerina</i> chipping sparrow	(Nesting)	G5 S3S4	None	None	IUCN:LC	
<b>CARDINALIDAE (cardinals)</b>						
+ <i>Cardinalis cardinalis</i> northern cardinal		G5 S1	None	None	CDFW:WL IUCN:LC	
<b>ICTERIDAE (blackbirds)</b>						
<i>Agelaius phoeniceus aciculatus</i> Kern red-winged blackbird		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Agelaius tricolor</i> tricolored blackbird	(Nesting colony)	G2G3 S1S2	None	Endangered	BLM:S CDFW:SSC IUCN:EN NABCI:RWL USFWS:BCC	Yes
+ <i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	(Nesting)	G5 S3	None	None	CDFW:SSC IUCN:LC	
<b>FRINGILLIDAE (finches and relatives)</b>						
+ <i>Spinus lawrencei</i> Lawrence's goldfinch	(Nesting)	G3G4 S3	None	None	IUCN:LC NABCI:YWL USFWS:BCC	

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**Mammals**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>TALPIDAE (moles)</b>						
+ <i>Scapanus latimanus insularis</i> Angel Island mole		G5T1 S1	None	None		
+ <i>Scapanus latimanus parvus</i> Alameda Island mole		G5T1Q S1	None	None	CDFW:SSC	
<b>SORICIDAE (shrews)</b>						
+ <i>Sorex lyelli</i> Mount Lyell shrew		G2G3 S2S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Sorex ornatus relictus</i> Buena Vista Lake ornate shrew		G5T1 S1	Endangered	None	CDFW:SSC	
<i>Sorex ornatus salarius</i> Monterey shrew		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Sorex ornatus salicornicus</i> southern California saltmarsh shrew		G5T1? S1	None	None	CDFW:SSC	
+ <i>Sorex ornatus sinuosus</i> Suisun shrew		G5T1T2Q S1S2	None	None	CDFW:SSC	
+ <i>Sorex ornatus willetti</i> Santa Catalina shrew		G5T1 S1	None	None	CDFW:SSC	
+ <i>Sorex vagrans halicoetes</i> salt-marsh wandering shrew		G5T1 S1	None	None	CDFW:SSC	
<i>Sorex vagrans paludivagus</i> Monterey vagrant shrew		G5T1 S1	None	None		
<b>PHYLLOSTOMIDAE (leaf-nosed bats)</b>						
+ <i>Choeronycteris mexicana</i> Mexican long-tongued bat		G4 S1	None	None	CDFW:SSC IUCN:NT WBWG:H	
+ <i>Leptonycteris yerbabuenae</i> lesser long-nosed bat		G4 S1	Endangered	None	IUCN:VU WBWG:H	Yes
+ <i>Macrotus californicus</i> California leaf-nosed bat		G4 S3	None	None	BLM:S CDFW:SSC IUCN:LC WBWG:H	
<b>VESPERTILIONIDAE (evening bats)</b>						
+ <i>Antrozous pallidus</i> pallid bat		G5 S3	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S WBWG:H	
+ <i>Corynorhinus townsendii</i> Townsend's big-eared bat		G3G4 S2	None	Candidate Threatened	BLM:S CDFW:SSC IUCN:LC USFS:S WBWG:H	
+ <i>Euderma maculatum</i> spotted bat		G4 S3	None	None	BLM:S CDFW:SSC IUCN:LC WBWG:H	
+ <i>Lasionycteris noctivagans</i> silver-haired bat		G5 S3S4	None	None	IUCN:LC WBWG:M	
+ <i>Lasiurus blossevillii</i> western red bat		G5 S3	None	None	CDFW:SSC IUCN:LC WBWG:H	Yes
+ <i>Lasiurus cinereus</i> hoary bat		G5 S4	None	None	IUCN:LC WBWG:M	
+ <i>Lasiurus xanthinus</i> western yellow bat		G5 S3	None	None	CDFW:SSC IUCN:LC WBWG:H	Yes

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<b>Species</b>	<b>Comment</b>	<b>Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Notes</b>
<b>VESPERTILIONIDAE (evening bats)</b>						
+ <i>Myotis ciliolabrum</i> western small-footed myotis		G5 S3	None	None	BLM:S IUCN:LC WBWG:M	
+ <i>Myotis evotis</i> long-eared myotis		G5 S3	None	None	BLM:S IUCN:LC WBWG:M	
<i>Myotis lucifugus</i> little brown bat	(San Bernardino Mts population)	G3 S2S3	None	None	IUCN:LC WBWG:M	
+ <i>Myotis occultus</i> Arizona Myotis		G4 S1	None	None	CDFW:SSC IUCN:LC WBWG:M	
+ <i>Myotis thysanodes</i> fringed myotis		G4 S3	None	None	BLM:S IUCN:LC USFS:S WBWG:H	
+ <i>Myotis velifer</i> cave myotis		G5 S1	None	None	BLM:S CDFW:SSC IUCN:LC WBWG:M	
+ <i>Myotis volans</i> long-legged myotis		G5 S3	None	None	IUCN:LC WBWG:H	
+ <i>Myotis yumanensis</i> Yuma myotis		G5 S4	None	None	BLM:S IUCN:LC WBWG:LM	
<b>MOLOSSIDAE (free-tailed bats)</b>						
+ <i>Eumops perotis californicus</i> western mastiff bat		G5T4 S3S4	None	None	BLM:S CDFW:SSC WBWG:H	
+ <i>Nyctinomops femorosaccus</i> pocketed free-tailed bat		G4 S3	None	None	CDFW:SSC IUCN:LC WBWG:M	
+ <i>Nyctinomops macrotis</i> big free-tailed bat		G5 S3	None	None	CDFW:SSC IUCN:LC WBWG:MH	
<b>OCHOTONIDAE (pikas)</b>						
+ <i>Ochotona princeps schisticeps</i> gray-headed pika		G5T2T4 S2S4	None	None	IUCN:NT	Yes
<b>LEPORIDAE (rabbits and hares)</b>						
+ <i>Brachylagus idahoensis</i> pygmy rabbit		G4 S3	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	
+ <i>Lepus americanus klamathensis</i> Oregon snowshoe hare		G5T3T4Q S2?	None	None	CDFW:SSC	
+ <i>Lepus americanus tahoensis</i> Sierra Nevada snowshoe hare		G5T3T4Q S2?	None	None	CDFW:SSC	
+ <i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit		G5T3T4 S3S4	None	None	CDFW:SSC	
+ <i>Lepus townsendii townsendii</i> western white-tailed jackrabbit		G5T5 S3?	None	None	CDFW:SSC	
+ <i>Sylvilagus bachmani riparius</i> riparian brush rabbit		G5T1 S1	Endangered	Endangered		
<b>APLODONTIDAE (mountain beavers)</b>						
+ <i>Aplodontia rufa californica</i> Sierra Nevada mountain beaver		G5T3T4 S2S3	None	None	CDFW:SSC IUCN:LC	Yes
+ <i>Aplodontia rufa nigra</i> Point Arena mountain beaver		G5T1 S1	Endangered	None	CDFW:SSC IUCN:LC	Yes

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<b>APLODONTIDAE (mountain beavers)</b>						
+ <i>Aplodontia rufa phaea</i> Point Reyes mountain beaver		G5T2 S2	None	None	CDFW:SSC IUCN:LC	Yes
<b>SCIURIDAE (squirrels and relatives)</b>						
+ <i>Ammospermophilus nelsoni</i> Nelson's antelope squirrel		G2 S2	None	Threatened	BLM:S IUCN:EN	
<i>Callospermophilus lateralis bernardinus</i> San Bernardino golden-mantled ground squirrel		G5T1 S1	None	None		
+ <i>Glaucomyx sabrinus californicus</i> San Bernardino flying squirrel		G5T2T3 S2S3	None	None	CDFW:SSC USFS:S	
+ <i>Neotamias panamintinus acrus</i> Kingston Mountain chipmunk		G4T1T2 S1S2	None	None		
+ <i>Neotamias speciosus callipeplus</i> Mount Pinos chipmunk		G4T1T2 S1S2	None	None	USFS:S	
+ <i>Neotamias speciosus speciosus</i> lodgepole chipmunk		G4T2T3 S2S3	None	None		
+ <i>Xerospermophilus mohavensis</i> Mohave ground squirrel		G2G3 S2S3	None	Threatened	BLM:S IUCN:VU	
+ <i>Xerospermophilus tereticaudus chlorus</i> Palm Springs round-tailed ground squirrel		G5T2Q S1S2	None	None	BLM:S CDFW:SSC	
<b>GEOMYIDAE (pocket gophers)</b>						
<i>Thomomys bottae operarius</i> Owens Lake pocket gopher		G5T1? S1?	None	None		
<b>HETEROMYIDAE (kangaroo rats, pockets mice, &amp; kangaroo mice)</b>						
+ <i>Chaetodipus californicus femoralis</i> Dulzura pocket mouse		G5T3 S3	None	None	CDFW:SSC	
+ <i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse		G5T3T4 S3S4	None	None	CDFW:SSC	Yes
+ <i>Chaetodipus fallax pallidus</i> pallid San Diego pocket mouse		G5T34 S3S4	None	None	CDFW:SSC	Yes
+ <i>Dipodomys californicus eximius</i> Marysville California kangaroo rat		G4T1 S1	None	None	CDFW:SSC	
+ <i>Dipodomys heermanni berkeleyensis</i> Berkeley kangaroo rat		G3G4T1 S1	None	None		
+ <i>Dipodomys heermanni dixonii</i> Merced kangaroo rat		G3G4T2T3 S2S3	None	None		
+ <i>Dipodomys heermanni morroensis</i> Morro Bay kangaroo rat		G3G4TH SH	Endangered	Endangered	CDFW:FP	
+ <i>Dipodomys ingens</i> giant kangaroo rat		G1G2 S1S2	Endangered	Endangered	IUCN:EN	
+ <i>Dipodomys merriami collinus</i> Earthquake Merriam's kangaroo rat		G5T1T2 S1S2	None	None		
+ <i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat		G5T1 S1	Endangered	None	CDFW:SSC	
+ <i>Dipodomys nitratooides brevinasus</i> short-nosed kangaroo rat		G3T1T2 S1S2	None	None	BLM:S CDFW:SSC IUCN:VU	
+ <i>Dipodomys nitratooides exilis</i> Fresno kangaroo rat		G3TH SH	Endangered	Endangered	IUCN:VU	
+ <i>Dipodomys nitratooides nitratooides</i> Tipton kangaroo rat		G3T1T2 S1S2	Endangered	Endangered	IUCN:VU	
+ <i>Dipodomys panamintinus argusensis</i> Argus Mountains kangaroo rat		G5T1T3 S1S3	None	None		
+ <i>Dipodomys panamintinus panamintinus</i> Panamint kangaroo rat		G5T3 S3	None	None		

## Special Animals List - March 2015

**Mammals**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>HETEROMYIDAE (kangaroo rats, pockets mice, &amp; kangaroo mice)</b>						
+ <i>Dipodomys stephensi</i> Stephens' kangaroo rat		G2 S2	Endangered	Threatened	IUCN:EN	
+ <i>Dipodomys venustus elephantinus</i> big-eared kangaroo rat		G4T2 S2	None	None	CDFW:SSC	
+ <i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat		G4T1 S1	None	None		
+ <i>Perognathus alticolus alticolus</i> white-eared pocket mouse		G1G2TH SH	None	None	BLM:S CDFW:SSC IUCN:EN USFS:S	Yes
+ <i>Perognathus alticolus inexpectatus</i> Tehachapi pocket mouse		G1G2T1T2 S1S2	None	None	CDFW:SSC IUCN:EN USFS:S	Yes
+ <i>Perognathus inornatus</i> San Joaquin Pocket Mouse		G2G3 S2S3	None	None	BLM:S	Yes
+ <i>Perognathus inornatus psammophilus</i> Salinas pocket mouse		G4T2? S2?	None	None	CDFW:SSC	
+ <i>Perognathus longimembris bangsi</i> Palm Springs pocket mouse		G5T2T3 S2S3	None	None	BLM:S CDFW:SSC	
+ <i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Perognathus longimembris internationalis</i> Jacumba pocket mouse		G5T2T3 S1S2	None	None	CDFW:SSC	
+ <i>Perognathus longimembris pacificus</i> Pacific pocket mouse		G5T1 S1	Endangered	None	CDFW:SSC	
<i>Perognathus longimembris salinensis</i> Saline Valley pocket mouse		G5T1 S1	None	None		
<i>Perognathus longimembris tularensis</i> Tulare pocket mouse		G5T1 S1	None	None		
+ <i>Perognathus parvus xanthonotus</i> yellow-eared pocket mouse		G5T2T3 S1S2	None	None	BLM:S	
<b>MURIDAE (mice, rats, and voles)</b>						
+ <i>Arborimus albipes</i> white-footed vole		G3G4 S2S3	None	None	CDFW:SSC IUCN:LC	
+ <i>Arborimus pomo</i> Sonoma tree vole		G3 S3	None	None	CDFW:SSC IUCN:NT	
<i>Microtus californicus halophilus</i> Monterey vole		G5T1 S1	None	None		
+ <i>Microtus californicus mohavensis</i> Mohave river vole		G5T1 S1	None	None	CDFW:SSC	
+ <i>Microtus californicus sanpabloensis</i> San Pablo vole		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Microtus californicus scirpensis</i> Amargosa vole		G5T1 S1	Endangered	Endangered		
+ <i>Microtus californicus stephensi</i> south coast marsh vole		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Microtus californicus vallicola</i> Owens Valley vole		G5T3 S3	None	None	BLM:S CDFW:SSC	
+ <i>Neotoma albigula venusta</i> Colorado Valley woodrat		G5T3T4 S1S2	None	None		
+ <i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat		G5T2T3 S2S3	None	None	CDFW:SSC	
+ <i>Neotoma fuscipes riparia</i> riparian (=San Joaquin Valley) woodrat		G5T1Q S1	Endangered	None	CDFW:SSC	Yes
+ <i>Neotoma lepida intermedia</i> San Diego desert woodrat		G5T3T4 S3S4	None	None	CDFW:SSC	

## Special Animals List - March 2015

**Mammals**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>MURIDAE (mice, rats, and voles)</b>						
+ <i>Neotoma macrotis luciana</i> Monterey dusky-footed woodrat		G5T3 S3	None	None	CDFW:SSC IUCN:DD	
+ <i>Onychomys torridus ramona</i> southern grasshopper mouse		G5T3 S3	None	None	CDFW:SSC	
+ <i>Onychomys torridus tularensis</i> Tulare grasshopper mouse		G5T1T2 S1S2	None	None	BLM:S CDFW:SSC	
+ <i>Peromyscus maniculatus anacapae</i> Anacapa Island deer mouse		G5T1T2 S1S2	None	None	CDFW:SSC	
<i>Peromyscus maniculatus clementis</i> San Clemente deer mouse		G5T1T2 S1S2	None	None	CDFW:SSC	
+ <i>Reithrodontomys megalotis distichlis</i> Salinas harvest mouse		G5T1 S1	None	None		
+ <i>Reithrodontomys megalotis santacruzae</i> Santa Cruz harvest mouse		G5T1Q S1	None	None		Yes
+ <i>Reithrodontomys raviventris</i> salt-marsh harvest mouse		G1G2 S1S2	Endangered	Endangered	CDFW:FP IUCN:EN	
+ <i>Sigmodon arizonae plenus</i> Colorado River cotton rat		G5T2T3 SH	None	None	CDFW:SSC	
+ <i>Sigmodon hispidus eremicus</i> Yuma hispid cotton rat		G5T2T3 S2S3	None	None	CDFW:SSC	
<b>DIPODIDAE (jumping mice)</b>						
+ <i>Zapus trinotatus orarius</i> Point Reyes jumping mouse		G5T1T3Q S1S3	None	None	CDFW:SSC	
<b>CANIDAE (foxes, wolves, and coyotes)</b>						
+ <i>Canis lupus</i> gray wolf		G4 S1	Endangered	Endangered	IUCN:LC	
<i>Urocyon littoralis</i> island fox	(Mapped by subspecies)	G1 S1	None	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis catalinae</i> Santa Catalina Island fox		G1T1 S1	Endangered	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis clementae</i> San Clemente Island fox		G1T1 S1	None	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis dickeyi</i> San Nicolas Island fox		G1T1 S1	None	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis littoralis</i> San Miguel Island fox		G1T1 S1	Endangered	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis santacruzae</i> Santa Cruz Island fox		G1T1 S1	Endangered	Threatened	IUCN:CR	Yes
+ <i>Urocyon littoralis santarosae</i> Santa Rosa Island fox		G1T1 S1	Endangered	Threatened	IUCN:CR	Yes
+ <i>Vulpes macrotis mutica</i> San Joaquin kit fox		G4T2 S2	Endangered	Threatened		
+ <i>Vulpes vulpes necator</i> Sierra Nevada red fox		G5T1T2 S1	None	Threatened	USFS:S	
<b>MUSTELIDAE (weasels and relatives)</b>						
+ <i>Enhydra lutris nereis</i> southern sea otter		G4T2 S2	Threatened	None	CDFW:FP IUCN:EN MMC:SSC	Yes
+ <i>Gulo gulo</i> California wolverine		G4 S1	None	Threatened	CDFW:FP IUCN:NT USFS:S	
+ <i>Lontra canadensis sonora</i> southwestern river otter		G5T1 S1	None	None	CDFW:SSC	Yes
+ <i>Martes caurina</i> Pacific marten		G5 S3	None	None	IUCN:LC USFS:S	
+ <i>Martes caurina humboldtensis</i> Humboldt marten		G5T1 S1	None	None	CDFW:SSC USFS:S	

## Special Animals List - March 2015

**Mammals**

Species	Comment	Rank	ESA	CESA	Other Status	Notes
<b>MUSTELIDAE (weasels and relatives)</b>						
+ <i>Martes caurina sierrae</i> Sierra marten		G5T3 S3	None	None	USFS:S	
+ <i>Pekania pennanti</i> fisher - West Coast DPS		G5T2T3Q S2S3	Proposed Threatened	Candidate Threatened	BLM:S CDFW:SSC USFS:S	Yes
+ <i>Taxidea taxus</i> American badger		G5 S3	None	None	CDFW:SSC IUCN:LC	
<b>MEPHITIDAE (skunks)</b>						
+ <i>Spilogale gracilis amphiala</i> Channel Islands spotted skunk		G5T3 S3	None	None	CDFW:SSC	
<b>FELIDAE (cats and relatives)</b>						
<i>Lynx rufus pallescens</i> pallid bobcat		G5T3? S3?	None	None		
+ <i>Puma concolor browni</i> Yuma mountain lion		G5T1T2Q S1	None	None	CDFW:SSC	
<b>OTARIIDAE (sea lions and fur seals)</b>						
+ <i>Arctocephalus townsendi</i> Guadalupe fur-seal		G1 S1	Threatened	Threatened	CDFW:FP IUCN:NT	
+ <i>Callorhinus ursinus</i> northern fur-seal		G3 S1	None	None	IUCN:VU	
+ <i>Eumetopias jubatus</i> Steller (=northern) sea-lion		G3 S2	Delisted	None	IUCN:EN MMC:SSC	
<b>BOVIDAE (sheep and relatives)</b>						
+ <i>Ovis canadensis nelsoni</i> desert bighorn sheep		G4T4 S3	None	None	BLM:S CDFW:FP USFS:S	Yes
+ <i>Ovis canadensis nelsoni pop. 2</i> Peninsular bighorn sheep DPS		G4T3Q S1	Endangered	Threatened	CDFW:FP	Yes
+ <i>Ovis canadensis sierrae</i> Sierra Nevada bighorn sheep		G4T1 S1	Endangered	Endangered	CDFW:FP	

## End Notes

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### Invertebrates

#### **GASTROPODA (Snails, slugs and abalone)**

*Prophysaon coeruleum*

Blue-gray taildropper slug

- 1) May be a species complex.

#### **ARACHNIDA (Spiders and relatives)**

*Hubbardia shoshonensis*

Shoshone Cave whip-scorpion

- 1) BLM Sensitive Species list has this species as *Trithyreus shoshonensis*.

#### **CRUSTACEA, Order Amphipoda (amphipods)**

*Hyalella muerta*

Texas Spring amphipod

- 1) First North American hypogean hyalellid.

*Hyalella sandra*

Death Valley amphipod

- 1) Population in Texas Springs is an accidental introduction. Population in Nevares Springs may be a new species.

#### **INSECTA, Order Coleoptera (beetles)**

*Trigonoscuta sp.*

Doyen's trigonoscuta dune weevil

- 1) Sometimes referred to as "*Trigonoscuta doyeri*" which is an unpublished manuscript name.

#### **INSECTA, Order Lepidoptera (butterflies & moths)**

*Callophrys thornei*

Thorne's hairstreak

- 1) Formerly *Mitoura thornei*; changed to *Callophrys thornei*.

*Euproserpinus euterpe*

Kern primrose sphinx moth

- 1) Known from 2 sites at the south end of California's Central Valley. Until its rediscovery in Kern Co in 1974, this moth had been thought to be extinct. A 2nd population was recently found in SLO (Xerces Society 2005).

*Speyeria zerene myrtleae*

Myrtle's silverspot butterfly

- 1) The USFWS and others have not yet determined if the taxonomic expansion by Emmel and Emmel (1998) into *S. z. myrtleae* and *S. z. puntareyes* is warranted. The *Speyeria zerene* along coast of Marin and Sonoma Counties are Federally Endangered under the subspecies concept in the 1992 listing.

### Fishes

#### **ACIPENSERIDAE (sturgeon)**

*Acipenser medirostris*

green sturgeon

- 1) Federal listing includes all spawning populations south of the Eel River.
- 2) The NMFS "Special Concern" designation refers to the northern DPS which includes spawning populations north of the Eel River (inclusive).

#### **SALMONIDAE (trout & salmon)**

*Oncorhynchus kisutch*

coho salmon - central California coast ESU

- 1) The federal listing is limited to naturally spawning populations in streams between Punta Gorda, Humboldt Co. and the San Lorenzo River, Santa Cruz Co.
- 2) The state listing is limited to Coho south of Punta Gorda, Humboldt Co.

coho salmon - southern Oregon / northern California ESU

- 1) Federal listing refers to populations between Cape Blanco, Oregon & Punta Gorda, Humboldt Co. California.
  - 2) State listing refers to populations between the Oregon border & Punta Gorda, Humboldt Co. California.
-

## Fishes

### **SALMONIDAE (trout & salmon)**

#### *Oncorhynchus mykiss irideus*

southern steelhead - southern California DPS

- 1) The federal designation refers to fish in the coastal basins from the Santa Maria River (inclusive), south to the U.S. - Mexico Border.
- 2) The DFG "Species of Special Concern" designation refers to southern steelhead trout.

steelhead - central California coast DPS

- 1) Federal listing includes all runs in coastal basins from the Russian River in Sonoma County, south to Soquel Creek in Santa Cruz County, inclusive. It includes the San Francisco and San Pablo Bay basins, but excludes the Sacramento-San Joaquin River basins.

steelhead - Central Valley DPS

- 1) Federal listing includes all runs in the Sacramento & San Joaquin Rivers and their tributaries.

steelhead - Klamath Mountains Province DPS

- 1) This ESU includes all naturally spawned populations residing in streams between the Elk River in Oregon and the Klamath River in California, inclusive.
- 2) The SSC designation refers only to the California portion of the ESU and refers only to the summer-run.

steelhead - northern California DPS

- 1) The federal designation refers to naturally spawned populations residing below impassable barriers in coastal basins from Redwood Creek in Humboldt Co. to, and including, the Gualala River in Mendocino Co.
- 2) The DFG "Species of Special Concern" designation refers only to the summer-run.

steelhead - south/central California coast DPS

- 1) Federal listing includes all runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.
- 2) The DFG "Species of Special Concern" designation refers to southern steelhead trout.

summer-run steelhead trout

- 1) Summer-run steelhead are part of both the Klamath Mountains Province DPS and the Northern California DPS.

#### *Oncorhynchus tshawytscha*

chinook salmon - California coastal ESU

- 1) Originally proposed as part of a larger Southern Oregon & California Coastal ESU. This new ESU was revised to include only naturally spawned coastal spring & fall-run chinook salmon between Redwood Creek in Humboldt Co & the Russian River in Sonoma Co.

chinook salmon - Central Valley fall / late fall-run ESU

- 1) The Central Valley fall/late fall-run ESU refers to populations spawning in the Sacramento & San Joaquin Rivers and their tributaries.
- 2) The DFG "Species of Special Concern" designation refers only to the fall-run.

chinook salmon - Central Valley spring-run ESU

- 1) Federal listing refers to the Central Valley Spring-run ESU. It includes populations spawning in the Sacramento River & its tributaries.

### **OSMERIDAE (smelt)**

#### *Spirinchus thaleichthys*

longfin smelt

- 1) AFS Threatened designation taken from: Musick, J.T. et al. 2000. "Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). Fisheries 25(11):6-30.
- 2) Federal Candidate status is for the San Francisco Bay-Delta DPS of the longfin smelt.

### **CYPRINIDAE (minnows and carp)**

#### *Lavinia symmetricus ssp. 1*

San Joaquin roach

- 1) Current taxonomy considers this taxon to be a population of *Lavinia symmetricus symmetricus*, the Sacramento-San Joaquin roach.

#### *Rhinichthys osculus ssp. 1*

Amargosa Canyon speckled dace

- 1) Current taxonomy considers this taxon to be a distinct population of *Rhinichthys osculus nevadensis*.

#### *Rhinichthys osculus ssp. 2*

Owens speckled dace

- 1) Current taxonomy includes the Benton Valley speckled dace (formerly ssp 4) with the Owens speckled dace.
-

## Fishes

### GASTEROSTEIDAE (sticklebacks)

*Gasterosteus aculeatus microcephalus*

resident threespine stickleback

- 1) The U.S. Forest Service "Sensitive" designation refers to the full species.

*Gasterosteus aculeatus santaannae*

Santa Ana (=Shay Creek) threespine stickleback

- 1) The U.S. Forest Service "Sensitive" designation refers to the full species.

*Gasterosteus aculeatus williamsoni*

unarmored threespine stickleback

- 1) The U.S. Forest Service "Sensitive" designation refer to the full species.

### POLYPRIONIDAE (wreckfishes)

*Stereolepis gigas*

giant sea bass

- 1) AFS Vulnerable designation taken from: Musick, J.T. et al. 2000. "Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). Fisheries 25(11):6-30.

## Amphibians

### AMBYSTOMATIDAE (mole salamanders)

*Ambystoma californiense*

California tiger salamander

- 1) Central Valley DPS federally listed as threatened. Santa Barbara & Sonoma counties DPS federally listed as endangered.

### PLETHODONTIDAE (lungless salamanders)

*Batrachoseps relictus*

relictual slender salamander

- 1) Taxonomy follows Jockusch, Martinez-solano, Hansen, Wake (2012. Morphological and molecular diversification of slender salamanders (Caudata: Plethodontidae: Batrachoseps) in the southern Sierra Nevada of California with descriptions of two new species. Zootaxa 3190:130), which synonymized Batrachoseps Sp. 1, Breckenridge Mountain slender salamander, with *B. relictus*.

*Plethodon asupak*

Scott Bar salamander

- 1) Newly described species from what was part of the range of *Plethodon stormi* (Mead et al. 2005).
- 2) Since this newly described species was formerly considered to be a subpopulation of *Plethodon stormi*, and since *Plethodon stormi* is listed as Threatened under the California Endangered Species Act (CESA), *Plethodon asupak* retains the designation as a Threatened species under CESA (Calif. Regulatory Notice Register, No. 21-Z, p.916, 25 May 2007).

### BUFONIDAE (true toads)

*Anaxyrus californicus*

arroyo toad

- 1) Formerly *Bufo microscaphus californicus*, now considered a full species.
- 2) At the time of listing, arroyo toad was known as *Bufo microscaphus californicus*, a subspecies of southwestern toad. In 2001 it was determined to be its own species, *Bufo californicus*. Since then, many species in the genus *Bufo* were changed to the genus *Anaxyrus*, and now arroyo toad is known as *Anaxyrus californicus* (Frost et al. 2006).

*Anaxyrus canorus*

Yosemite toad

- 1) Formerly *Bufo canorus*; Frost, Grant, Faivovich, Bain, Haas, Haddad, De Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green & Wheeler (2006. The Amphibian Tree of Life. Bulletin of the American Museum of Natural History 297: 1-370) placed this species in the genus *Anaxyrus* (Tschudi, 1845). The standard common name remains Yosemite toad.
- 2) The USFWS published a final rule on April 29, 2014, to list the Yosemite toad as Threatened. The effective date for this rule is June 30, 2014.

*Anaxyrus exsul*

black toad

- 1) Formerly *Bufo exsul*; Frost, Grant, Faivovich, Bain, Haas, Haddad, De Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green & Wheeler (2006. The Amphibian Tree of Life. Bulletin of the American Museum of Natural History 297: 1-370) placed this species in the genus *Anaxyrus* (Tschudi, 1845). The standard common name remains black toad.
-

## Amphibians

### BUFONIDAE (true toads)

#### *Incilius alvarius*

Sonoran desert toad

- 1) Formerly *Bufo alvarius*. Between 2006 & 2009 the scientific name has been changed to *Cranopsis alvaria*, to *Ollotis alvaria*, to *Incilius alvarius*, back to *Ollotis alvarius* and then back to *Incilius alvarius*. The common name has changed from Colorado River toad to Sonoran desert toad.

### RANIDAE

#### *Lithobates pipiens*

northern leopard frog

- 1) Formerly *Rana pipiens*; Frost, Grant, Faivovich, Bain, Haas, Haddad, De Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green & Wheeler (2006. *The Amphibian Tree of Life. Bulletin of the American Museum of Natural History* 297: 1-370) placed this species in the genus *Lithobates* (Fitzinger, 1843). The standard common name remains northern leopard frog.

#### *Lithobates yavapaiensis*

lowland (=Yavapai, San Sebastian & San Felipe) leopard frog

- 1) Formerly *Rana yavapaiensis*; Frost, Grant, Faivovich, Bain, Haas, Haddad, De Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green & Wheeler (2006. *The Amphibian Tree of Life. Bulletin of the American Museum of Natural History* 297: 1-370) placed this species in the genus *Lithobates* (Fitzinger, 1843). The standard common name remains lowland leopard frog.

#### *Rana aurora*

northern red-legged frog

- 1) A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap.

#### *Rana draytonii*

California red-legged frog

- 1) A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap, and that the range of *draytonii* extends about 100 km further north in coastal California than previously thought.

#### *Rana muscosa*

southern mountain yellow-legged frog

- 1) Federal listing refers to populations in the San Gabriel, San Jacinto & San Bernardino Mountains (southern DPS).
- 2) Federal Proposed status refers to all populations that occur north of the Tehachapi Mountains in the Sierra Nevada (northern DPS). The USFWS published a final rule on April 29, 2014, to list the northern DPS of *Rana muscosa* as Endangered. This rule becomes effective June 30, 2014.
- 3) *Rana muscosa* has been split into *Rana sierrae*, the Sierra Nevada yellow-legged frog, found in the northern and central Sierra Nevada and *Rana muscosa*, the southern mountain yellow-legged frog, found in the southern Sierra Nevada and southern California.

#### *Rana sierrae*

Sierra Nevada yellow-legged frog

- 1) Formerly *Rana muscosa*. *Rana muscosa* has been split into *Rana sierrae*, the Sierra Nevada yellow-legged frog, found in the northern and central Sierra Nevada and *Rana muscosa*, the southern mountain yellow-legged frog, found in the southern Sierra Nevada and southern California.
- 2) *Rana sierrae* is a federally proposed endangered species (Apr 2013).
- 3) The USFWS published a final rule on April 29, 2014, to list the Sierra Nevada yellow-legged frog as Endangered. This rule becomes effective June 30, 2014.

## Reptiles

### EMYDIDAE (box and water turtles)

#### *Emys marmorata*

western pond turtle

- 1) The paper: Spinks, Phillip Q. & H. Bradley Shaffer. 2005. Range-wide molecular analysis of the western pond turtle (*Emys marmorata*): cryptic variation, isolation by distance, and their conservation implications. *Molecular Ecology* (2005) 14, 2047-2064. determined that the current subspecies split was not warranted. Therefore, we are now tracking the western pond turtle only at the full species level.
  - 2) The paper: Spinks, Phillip Q., & H. Bradley Shaffer. 2009. Conflicting Mitochondrial and Nuclear Phylogenies for the Widely Disjunct *Emys* (Testudines: Emydidae) Species Complex, and What They Tell Us about Biogeography and Hybridization. *Systematic Biology*. 58(1): pp. 1-20 determined that the correct genus name is *Emys*.
-

## Reptiles

### HELODERMATIDAE (venomous lizards)

*Heloderma suspectum cinctum*

banded gila monster

- 1) The BLM "Sensitive Species" designation refers to the full species.

### BOIDAE (boas)

*Charina trivirgata*

rosy boa

- 1) The Forest Service "Sensitive" designation refers only to the subspecies *roseofusca*.
- 2) The taxonomy of this species is in flux. The name *Lichanura trivirgata* is a synonym. Some sources list several subspecies while others don't recognize any subspecies.

## Birds

### PHASIANIDAE (grouse and ptarmigan)

*Centrocercus urophasianus*

greater sage-grouse

- 1) As of Oct 2013, the Bi-State DPS of greater sage-grouse (Mono Basin; Mono, Alpine, & Inyo Co.) have a federal status of Proposed Threatened; the remaining populations of the species are Candidate.

*Dendragapus fuliginosus howardi*

Mount Pinos sooty grouse

- 1) Formerly merged with *D. obscurus* as blue grouse, but separated on the basis of genetic evidence and differences in voice, behavior, & plumage.
- 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

### RALLIDAE (rails, coots, and gallinules)

*Laterallus jamaicensis coturniculus*

California black rail

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
- 2) The IUCN designation of "Near Threatened" refers to the full species.

*Rallus longirostris levipes*

light-footed clapper rail

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

*Rallus longirostris obsoletus*

California clapper rail

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

*Rallus longirostris yumanensis*

Yuma clapper rail

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

### CHARADRIIDAE (plovers and relatives)

*Charadrius alexandrinus nivosus*

western snowy plover

- 1) Federal listing applies only to the Pacific coastal population
- 2) DFG "Species of Special Concern" designation refers to both the coastal & interior populations.
- 3) USFWS - Birds of Conservation Concern designation refers to non-listed subspecies or populations of Threatened or Endangered species.

*Charadrius montanus*

mountain plover

- 1) The 5 Dec 2002 proposal to list the mountain plover as a threatened species was withdrawn by the FWS as of 12 May 2011.

### LARIDAE (gulls and terns)

*Gelochelidon nilotica*

gull-billed tern

- 1) Taxonomy recently changed from *Sterna nilotica*
-

## Birds

### LARIDAE (gulls and terns)

*Hydroprogne caspia*

Caspian tern

- 1) Taxonomy recently changed from *Sterna caspia*

*Sternula antillarum browni*

California least tern

- 1) Taxonomy recently changed from *Sterna antillarum browni*.
- 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

*Thalasseus elegans*

elegant tern

- 1) Taxonomy recently changed from *Sterna elegans*

### ALCIDAE (auklets, puffins, and relatives)

*Synthliboramphus scrippsi*

Scripps's murrelet

- 1) Formerly included in *Xantus's murrelet* as *Synthliboramphus hypoleucus scrippsi*, now considered a full species

### STRIGIDAE (owls)

*Athene cunicularia*

burrowing owl

- 1) A burrow site = an observation of one or more owls at a burrow or evidence of recent occupation such as whitewash and feathers. Winter observations at a burrow are mapped. Winter observations with or without a burrow in San Francisco, Ventura, Sonoma, Marin, Napa & Santa Cruz Counties are mapped.

*Strix occidentalis caurina*

northern spotted owl

- 1) There are no northern spotted owl EOs in the CNDDDB. All northern spotted owl location information is maintained in a separate data layer. This layer is packaged with the CNDDDB layer in BIOS. All RareFind subscribers have access to this information through BIOS (<http://BIOS.dfg.ca.gov>)
- 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

*Strix occidentalis occidentalis*

California spotted owl

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

### TYRANNIDAE (tyrant flycatchers)

*Empidonax traillii*

willow flycatcher

- 1) State listing of the full species includes all subspecies
- 2) USFWS: Birds of Conservation Concern designation refers to non-listed subspecies or populations of Threatened or Endangered species.

*Empidonax traillii brewsteri*

little willow flycatcher

- 1) State listing of the full species includes all subspecies
- 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
- 3) USFWS - Birds of Conservation Concern designation refers to non-listed subspecies or populations for Threatened or Endangered species.

*Empidonax traillii extimus*

southwestern willow flycatcher

- 1) State listing of the full species includes all subspecies
  - 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
-

## Birds

### LANIIDAE (shrikes)

*Lanius ludovicianus mearnsi*

San Clemente loggerhead shrike

- 1) Subspecific identity of shrikes currently on San Clemente is uncertain. Mundy et al. (1997a, b) provided evidence *L. l. mearnsi* is genetically distinct from *L. l. gambeli* and *L. l. anthonyi*, whereas Patten and Campbell (2000) concluded, based on morphology, that the birds now on San Clemente are intergrades between *L. l. mearnsi* and *L. l. anthonyi*.

### VIREONIDAE (vireos)

*Vireo bellii arizonae*

Arizona bell's vireo

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
- 2) The IUCN designation of "Near Threatened" refers to the full species.

*Vireo bellii pusillus*

least Bell's vireo

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
- 2) The IUCN designation of "Near Threatened" refers to the full species.

### TROGLODYTIDAE (wrens)

*Campylorhynchus brunneicapillus sandiegensis*

coastal cactus wren

- 1) Nomenclature follows the draft DFG Bird Species of Special Concern report.

### SYLVIIDAE (gnatcatchers)

*Polioptila californica californica*

coastal California gnatcatcher

- 1) AKA Alta California gnatcatcher
- 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

### MIMIDAE (mockingbirds and thrashers)

*Toxostoma lecontei*

Le Conte's thrasher

- 1) The BLM "Sensitive Species" designation refers to the subspecies *Toxostoma lecontei macmillanorum*.
- 2) DFG "Species of Special Concern" designation refers only to the San Joaquin population, AKA *T. l. macmillanorum*.

### PARULIDAE (wood-warblers)

*Geothlypis trichas sinuosa*

saltmarsh common yellowthroat

- 1) AKA San Francisco common yellowthroat

*Setophaga petechia*

yellow warbler

- 1) This element includes the subspecies *S. p. morcormi* & *S. p. brewsteri*, which are tracked under the full species, *S. petechia* due to difficulty distinguishing them. *S. p. sonorana*, which nests in California only along the Colorado River is tracked separately.

*Setophaga petechia sonorana*

Sonoran yellow warbler

- 1) Nests in California only along the Colorado River. Observations of yellow warblers from other regions are tracked as the full species, *S. petechia*.

### EMBERIZIDAE (sparrows, buntings, warblers, & relatives)

*Artemisospiza belli belli*

Bell's sage sparrow

- 1) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.

*Artemisospiza belli clementeae*

San Clemente sage sparrow

- 1) Subspecific validity uncertain. Recognized by AOU (1957), but not by Patten and Unitt (2002).
  - 2) The American Bird Conservancy "WatchList of Birds of Conservation Concern" designation refers to the full species.
-

## Birds

### EMBERIZIDAE (sparrows, buntings, warblers, & relatives)

*Melospiza melodia graminea*

Channel Island song sparrow

- 1) Subspecific validity is uncertain. This subspecies when referred to as Santa Barbara song sparrow is extinct. However, the subspecies was merged by Patten (2001) with the San Miguel (*M. m. micronyx*), and San Clemente (*M. m. clementae*) song sparrows as the Channel Island song sparrow with the subspecific name *M. m. graminea*.

*Melozona crissalis eremophilus*

Inyo California towhee

- 1) Previously was in the genus *Pipilo*.

*Piranga flava*

hepatic tanager

- 1) According to The A.O.U. Check-list of North American Birds, Seventh Edition, this species is probably misplaced in the current phylogenetic listing but for which data indicating proper placement are not yet available.

*Piranga rubra*

summer tanager

- 1) According to The A.O.U. Check-list of North American Birds, Seventh Edition, this species is probably misplaced in the current phylogenetic listing but for which data indicating proper placement are not yet available.

### ICTERIDAE (blackbirds)

*Agelaius tricolor*

tricolored blackbird

- 1) Emergency protection under CESA granted on December 3rd 2014 by the California Fish and Game Commission.

## Mammals

### PHYLLOSTOMIDAE (leaf-nosed bats)

*Leptonycteris yerbabuenae*

lesser long-nosed bat

- 1) Listed by the U.S. Fish & Wildlife Service as *Leptonycteris curasoae yerbabuenae*.

### VESPERTILIONIDAE (evening bats)

*Lasiurus blossevillii*

western red bat

- 1) The DFG "Species of Special Concern" designation is based on the draft updated Mammalian Species of Special Concern report.

*Lasiurus xanthinus*

western yellow bat

- 1) The DFG "Species of Special Concern" designation is based on the draft updated Mammalian Species of Special Concern report.

### OCHOTONIDAE (pikas)

*Ochotona princeps schisticeps*

gray-headed pika

- 1) All of the subspecies of pika in California have been synonymized under *Ochotona princeps schisticeps*.

### APLODONTIDAE (mountain beavers)

*Aplodontia rufa californica*

Sierra Nevada mountain beaver

- 1) The IUCN "Least Concern" designation refers to the full species.

*Aplodontia rufa nigra*

Point Arena mountain beaver

- 1) The IUCN "Least Concern" designation refers to the full species.

*Aplodontia rufa phaea*

Point Reyes mountain beaver

- 1) The IUCN "Least Concern" designation refers to the full species.
-

## Mammals

### HETEROMYIDAE (kangaroo rats, pockets mice, & kangaroo mice)

*Chaetodipus fallax fallax*

northwestern San Diego pocket mouse

- 1) The DFG "Species of Special Concern" designation refers to the full species.

*Chaetodipus fallax pallidus*

pallid San Diego pocket mouse

- 1) The DFG "Species of Special Concern" designation refers to the full species.

*Perognathus alticolus alticolus*

white-eared pocket mouse

- 1) The DFG "Species of Special Concern" and the BLM "Sensitive Species" designations refer to the full species.
- 2) The IUCN "Endangered" designation is at the species level.

*Perognathus alticolus inexpectatus*

Tehachapi pocket mouse

- 1) The DFG "Species of Special Concern" designation refers to the full species.
- 2) The IUCN "Endangered" designation is at the species level.

*Perognathus inornatus*

San Joaquin Pocket Mouse

- 1) This element includes the subspecies *P. i. inornatus* & *P. i. neglectus*, which are tracked under the full species, *P. inornatus* due to difficulty distinguishing them. *P. i. inornatus* generally occurs on the eastern side of San Joaquin Valley, while *P. i. neglectus* generally occurs on the western side. *P. i. psammophilus*, which occurs only in the Salinas Valley, is tracked separately.

### MURIDAE (mice, rats, and voles)

*Neotoma fuscipes riparia*

riparian (=San Joaquin Valley) woodrat

- 1) This species is currently undergoing taxonomic revision

*Reithrodontomys megalotis santacruzae*

Santa Cruz harvest mouse

- 1) Synonymous with *Reithrodontomys megalotis longicaudus*, Santa Cruz Island Population.

### CANIDAE (foxes, wolves, and coyotes)

*Urocyon littoralis*

island fox

- 1) State listing is at the full species level and includes all subspecies on all islands. Federal listing does not include San Nicolas & San Clemente island subspecies.

*Urocyon littoralis catalinae*

Santa Catalina Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.

*Urocyon littoralis clementae*

San Clemente Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.

*Urocyon littoralis dickeyi*

San Nicolas Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.

*Urocyon littoralis littoralis*

San Miguel Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.

*Urocyon littoralis santacruzae*

Santa Cruz Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.
-

## Mammals

### CANIDAE (foxes, wolves, and coyotes)

*Urocyon littoralis santarosae*

Santa Rosa Island fox

- 1) The IUCN "Critically Endangered" designation refers to the full species.

### MUSTELIDAE (weasels and relatives)

*Enhydra lutris nereis*

southern sea otter

- 1) The IUCN "Endangered" designation refers to the full species.

*Lontra canadensis sonora*

southwestern river otter

- 1) SSC status refers only to the subspecies *L. canadensis sonora*, which is known in California only from the Colorado River.

*Pekania pennanti*

fisher - West Coast DPS

- 1) The subspecies *M. p. pacifica* is no longer considered a valid subspecies. The west coast population of the fisher is now considered to be a distinct population segment (DPS).
- 2) Federal candidate status refers to the distinct population segment (DPS) in Washington, Oregon & California.
- 3) The Fish and Game Commission Notice of Findings stated that the Pacific fisher was a candidate for listing as either an Endangered or Threatened species. At the 23 Jun 2010 meeting the FGC determined that the listing was not warranted. An 11 Mar 2013 Notice of Findings stated that pursuant to court order, the FGC set aside its 15 Sep 2010 findings rejecting the petition to list, and the Pacific fisher is a candidate species for the purposes of CESA.

### BOVIDAE (sheep and relatives)

*Ovis canadensis nelsoni*

desert bighorn sheep

- 1) Desert bighorn sheep (*O. c. nelsoni*) in the Peninsular Ranges are tracked as a metapopulation of the subspecies, Peninsular bighorn sheep DPS (*O. c. nelsoni* pop. 2)

*Ovis canadensis nelsoni* pop. 2

Peninsular bighorn sheep DPS

- 1) The subspecies peninsular bighorn sheep (*O. c. cremnobates*) has been synonymized with *O. c. nelsoni* (Wehausen & Ramey 1993). Peninsular bighorn sheep are now considered to be a metapopulation and are recognized has a federal Distinct Population Segment (DPS).
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**California Department of Fish and Wildlife  
California Natural Diversity Database (CNDDDB)**



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**SPECIAL VASCULAR PLANTS,  
BRYOPHYTES, AND LICHENS LIST**

**JANUARY 2015**

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## Special Plants

Last updated July, 2013

“Special Plants” is a broad term used to refer to all the plant taxa inventoried by the Department of Fish and Wildlife’s California Natural Diversity Database (CNDDDB), regardless of their legal or protection status. Special Plants include vascular plants and high priority bryophytes (mosses, liverworts, and hornworts). A few lichens are also tracked. Special Plant taxa are species, subspecies, or varieties that fall into one or more of the following categories:

- Officially listed by California or the Federal Government as Endangered, Threatened, or Rare;
- A candidate for state or federal listing as Endangered, Threatened, or Rare;
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act (CEQA) Guidelines; these taxa may indicate “None” under listing status, but note that all California Rare Plant Rank 1 and 2 and some Rank 3 and 4 plants may fall under Section 15380 of CEQA.
- A Bureau of Land Management, U.S. Fish and Wildlife Service, or U.S. Forest Service Sensitive Species;
- Taxa listed in the California Native Plant Society’s *Inventory of Rare and Endangered Plants of California*;
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range but not currently threatened with extirpation;
- Population(s) in California that may be peripheral to the major portion of a taxon’s range but are threatened with extirpation in California; and
- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g. wetlands, riparian, vernal pools, old growth forests, desert aquatic systems, native grasslands, valley shrubland habitats, etc.).

**This list contains taxa that are actively inventoried by the CNDDDB (Note: Taxa mapped in the GIS have a “yes” in the right column of the list) as well as an almost equal number of taxa (mostly Rare Plant Rank 3 and 4) which we track but for which we only currently have quad and county level geographic information.** For the latter taxa, we maintain site and other information in manual files along with Internet access to the quad and county level information via our “*CNDDDB QuickView*.” These plants will be mapped as time permits or when we have enough information to determine that they fulfill our rarity and/or endangerment criteria. For more copies of this list or other CNDDDB information, call (916) 324-3812 or email CNDDDB Information Services, at [BDB@wildlife.ca.gov](mailto:BDB@wildlife.ca.gov).

## NatureServe Element Ranking For Plants

Last updated July, 2013

All Heritage Programs, such as the California Natural Diversity Database (CNDDDB) use the same ranking methodology, originally developed by The Nature Conservancy and now maintained and recently revised by NatureServe. It includes a **Global rank** (G rank), describing the rank for a given taxon over its entire distribution and a **State rank** (S rank), describing the rank for the taxon over its state distribution. For subspecies and varieties, there is also a “T” rank describing the global rank for the subspecies. The next page of this document details the criteria used to assign element ranks, from G1 to G5 for the Global rank and from S1 to S5 for the State rank. Procedurally, state programs such as the CNDDDB develop the State ranks and the Global ranks collaboratively among states/provinces containing the species. NatureServe then checks for consistency and logical errors at the national level.

An element rank is assigned using standard criteria and rank definitions. This standardization makes the ranks comparable across organism and political boundaries. NatureServe has developed a “rank calculator” to help increase repeatability and transparency of the ranking process. The three main categories that are taken into consideration when assigning an element rank are rarity, threats, and trends. Within these three categories, various factors are considered including:

- Range extent, area of occupancy, population size, number of occurrences and number of good occurrences (ranked A or B). Environmental specificity can also be used if other information is lacking.
- Overall threat impact as well as intrinsic vulnerability (if threats are unknown).
- Long-term and short-term trends.

Detailed information on the newest element ranking methodology can be found here:

<http://natureserve.org/publications/library.jsp>

With the above considerations in mind, refer below for the numerical definitions for G1-5 and S1-5. An element’s ranking status may be adjusted up or down depending upon the considerations above.

## Element Ranking

### GLOBAL RANKING

The *global rank* (G-rank) is a reflection of the overall status of an element throughout its global range. **Both Global and State ranks represent a letter+number score that reflects a combination of Rarity, Threat and Trend factors, with weighting being heavier on Rarity than the other two.**

### SPECIES OR NATURAL COMMUNITY LEVEL

- G1 = Critically Imperiled**—At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
- G2 = Imperiled**—At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
- G3 = Vulnerable**—At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
- G4 = Apparently Secure**—Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- G5 = Secure**—Common; widespread and abundant.

### SUBSPECIES LEVEL

Subspecies receive a **T-rank** attached to the G-rank. With the subspecies, the G-rank reflects the condition of the entire species, whereas the T-rank reflects the global situation of just the subspecies or variety. For example: *Chorizanthe robusta* var. *hartwegii* is ranked G2T1. The G-rank refers to the whole species range i.e., *Chorizanthe robusta*. The T-rank refers only to the global condition of var. *hartwegii*.

### STATE RANKING

The *state rank* (S-rank) is assigned much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.

- S1 = Critically Imperiled**—Critically imperiled in the state because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
- S2 = Imperiled**—Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.
- S3 = Vulnerable**—Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the state.
- S4 = Apparently Secure**—Uncommon but not rare in the state; some cause for long-term concern due to declines or other factors.
- S5 = Secure**—Common, widespread, and abundant in the state.

### Notes:

1.	Other considerations used when ranking a species or natural community include the pattern of distribution of the element on the landscape, fragmentation of the population/stands, and historical extent as compared to its modern range. It is important to take a <b>bird's eye or aerial view</b> when ranking sensitive elements rather than simply counting element occurrences.		3. Other symbols:  GH All sites are <b>historical</b> ; the element has not been seen for at least 20 years, but suitable habitat still exists (SH = All California sites are historical).  GX All sites are <b>extirpated</b> ; this element is extinct in the wild (SX = All California sites are extirpated).  GXC Extinct in the wild; exists in cultivation.  G1Q The element is very rare, but there are <b>taxonomic questions</b> associated with it.  T Rank applies to a subspecies or variety.
2.	Uncertainty about the rank of an element is expressed in two major ways:  By expressing the ranks as a <b>range</b> of values: e.g., S2S3 means the rank is somewhere between S2 and S3.  By adding a ? to the rank: e.g., S2? This represents more certainty than S2S3, but less certainty than S2.		

# California Rare Plant Ranks<sup>1</sup>

- 1A. Presumed extirpated in California and either rare or extinct elsewhere
- 1B. Rare or Endangered in California and elsewhere
- 2A. Presumed extirpated in California, but more common elsewhere
- 2B. Rare or Endangered in California, but more common elsewhere
- 3. Plants for which we need more information - Review list
- 4. Plants of limited distribution - Watch list

## **1A: Plants Presumed Extirpated in California and either rare or extinct elsewhere**

The plants of Rank 1A are presumed extirpated because they have not been seen or collected in the wild in California for many years. This rank includes those plant taxa that are both presumed extinct, as well as those plants which are presumed extirpated in California and rare elsewhere. A plant is extinct if it no longer occurs anywhere. A plant that is extirpated from California has been eliminated from California, but may still occur elsewhere in its range.

## **1B: Plants Rare, Threatened, or Endangered in California and Elsewhere (Includes Rare Plant Ranks 1B.1, 1B.2, 1B.3)**

The plants of Rank 1B are rare throughout their range with the majority of them endemic to California. Most of the plants that are ranked 1B have declined significantly over the last century. California Rare Plant Rank 1B plants constitute the majority of plant taxa tracked by the CNDDDB, with more than 1,000 plants assigned to this category of rarity.

## **2A: Plants Presumed Extirpated in California, but more common elsewhere**

The plants of Rank 2A are presumed extirpated because they have not been seen or collected in the wild in California for many years. This rank includes only those plant taxa that are presumed extirpated in California, but that are more common elsewhere in their range. Note: Plants of both Rank 1A and 2A are presumed extirpated in California; the only difference is the status of the plants outside of the state.

## **2B: Plants Rare, Threatened, or Endangered in California, but More Common Elsewhere (Includes Rare Plant Ranks 2B.1, 2B.2, 2B.3)**

The plants of Rank 2B are rare, threatened or endangered in California, but more common elsewhere. Plants common in other states or countries are not eligible for consideration under the provisions of the **Federal** Endangered Species Act; however they are eligible for consideration under the **California** Endangered Species Act. This rank is meant to highlight the importance of protecting the geographic range and genetic diversity of more widespread species by protecting those species whose ranges just extend into California. Note: Plants of both Rank 1B and 2B are rare, threatened or endangered in California; the only difference is the status of the plants outside of the state.

## **3: Plants About Which We Need More Information - A Review list (Includes Rare Plant Ranks 3, 3.1, 3.2, 3.3)**

The plants that comprise Rank 3 are united by one common theme--we lack the necessary information to assign them to one of the other lists or to reject them. Nearly all of the plants remaining on Rank 3 are taxonomically problematic.

## **4: Plants of Limited Distribution - A Watch list (Includes Rare Plant Ranks 4.1, 4.2, 4.3)**

The plants in this category are of limited distribution or infrequent throughout a broader area in California, and their vulnerability or susceptibility to threat appears low at this time. While we cannot call these plants “rare” from a statewide perspective, they are uncommon enough that their status should be monitored regularly. Should the degree of endangerment or rarity of a Rank 4 plant change, we will transfer it to a more appropriate rank or delete it from consideration.

### **Threat Ranks:**

The California Rare Plant Ranks (CRPR) use a decimal-style threat rank. The threat rank is an extension added onto the CRPR and designates the level of threats by a 1 to 3 ranking with 1 being the most threatened and 3 being the least threatened. Most CRPRs read as 1B.1, 1B.2, 1B.3, etc. Note that some Rank 3 plants do not have a threat code extension due to difficulty in ascertaining threats. Rank 1A and 2A plants also do not have threat code extensions since there are no known extant populations in California.

### **Threat Code extensions and their meanings:**

- .1- Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- .2- Moderately threatened in California (20-80% of occurrences threatened / moderate degree and immediacy of threat)
- .3- Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

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<sup>1</sup> In March, 2010, DFG changed the name of “CNPS List” or “CNPS Ranks” to “California Rare Plant Rank” (or CRPR). This was done to reduce confusion over the fact that CNPS and DFG jointly manage the Rare Plant Status Review groups (300+ botanical experts from government, academia, NGOs and the private sector) and that the rank assignments are the product of a collaborative effort and not solely a CNPS assignment.

In July 2013, CNPS revised the Rare Plant Ranks in order to better define and categorize rarity in California’s flora. In essence, Rank 2 was split into Rank 2A and Rank 2B to be complementary to the already existing 1A and 1B ranks. This split in Rank 2 plants resulted in five Rank 2 plants moving to Rank 2A and the remaining Rank 2 plants being re-classified as Rank 2B.

## Special Lichens

Last updated July, 2014

Lichens are not plants, but a symbiotic relationship between a fungus and either green algae or cyanobacteria (aka bluegreen algae).

Many lichen taxa are under-studied and under-surveyed. For this reason, a detailed and cautious approach is taken when a lichen taxa is nominated as a potential species of conservation concern. In particular, special attention is paid to survey efforts and rate of occurrence discovery when deciding whether a lichen is of conservation concern.

There are a few lichens in California for which we have adequate information to place them on our Special Vascular Plants, Bryophytes, and Lichens list. They appear after the bryophytes at the beginning of the list. Lichen statuses are developed in coordination with the California Lichen Society (CALs) and relevant experts. Please visit the California Lichen Society webpage for additional information about sponsoring a lichen of conservation concern (<http://californialichens.org/>).

## Rare Plant Seed Banking

Last updated July, 2014

As of July 2014, the CNDDDB is including within our database information on whether a particular CNDDDB-tracked taxon has been seed banked at an official seed banking institution. The institutions that we currently have information from are: Rancho Santa Ana Botanic Garden, Santa Barbara Botanic Garden, UC Berkeley Botanical Garden, US Department of Agriculture, and Berry Seed Bank. We will soon be receiving additional information from Kew Royal Botanic Gardens and the San Diego Zoo Conservation and Research for Endangered Species (CRES) Native Gene Seed Bank.

The Special Vascular Plants, Bryophytes, and Lichens List now contains a column for whether the taxon has been seed banked (Yes or No). For those with a subscription to the CNDDDB, additional information about which institution/organization houses the seed bank, as well as seed bank querying capabilities, will soon be available through RareFind.

CNDDDB is providing this seed bank information as a courtesy to our clients for use in their conservation activities. Seed banking is a long-term conservation strategy that can complement the *in situ* protection and conservation of rare plant populations. If a species is seed banked, it does not mean that the species is any less rare or of any less conservation concern. As with all information in CNDDDB, this seed bank information should be used with caution. It is essential that anyone who makes a seed collection be aware of seed collection and documentation guidelines. Please see Rancho Santa Ana Botanic Garden's webpage for some additional information on seed collections (<http://www.rsabg.org/seed-conservation-program>).

# Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities

State of California  
CALIFORNIA NATURAL RESOURCES AGENCY  
Department of Fish and Game  
November 24, 2009<sup>2</sup>

## INTRODUCTION AND PURPOSE

The conservation of special status native plants and their habitats, as well as natural communities, is integral to maintaining biological diversity. The purpose of these protocols is to facilitate a consistent and systematic approach to the survey and assessment of special status native plants and natural communities so that reliable information is produced and the potential of locating a special status plant species or natural community is maximized. They may also help those who prepare and review environmental documents determine when a botanical survey is needed, how field surveys may be conducted, what information to include in a survey report, and what qualifications to consider for surveyors. The protocols may help avoid delays caused when inadequate biological information is provided during the environmental review process; assist lead, trustee and responsible reviewing agencies to make an informed decision regarding the direct, indirect, and cumulative effects of a proposed development, activity, or action on special status native plants and natural communities; meet California Environmental Quality Act (CEQA)<sup>3</sup> requirements for adequate disclosure of potential impacts; and conserve public trust resources.

## DEPARTMENT OF FISH AND GAME TRUSTEE AND RESPONSIBLE AGENCY MISSION

The mission of the Department of Fish and Game (DFG) is to manage California's diverse wildlife and native plant resources, and the habitats upon which they depend, for their ecological values and for their use and enjoyment by the public. DFG has jurisdiction over the conservation, protection, and management of wildlife, native plants, and habitat necessary to maintain biologically sustainable populations (Fish and Game Code §1802). DFG, as trustee agency under CEQA §15386, provides expertise in reviewing and commenting on environmental documents and makes protocols regarding potential negative impacts to those resources held in trust for the people of California.

Certain species are in danger of extinction because their habitats have been severely reduced in acreage, are threatened with destruction or adverse modification, or because of a combination of these and other factors. The California Endangered Species Act (CESA) provides additional protections for such species, including take prohibitions (Fish and Game Code §2050 *et seq.*). As a responsible agency, DFG has the authority to issue permits for the take of species listed under CESA if the take is incidental to an otherwise lawful activity; DFG has determined that the impacts of the take have been minimized and fully mitigated; and, the take would not jeopardize the continued existence of the species (Fish and Game Code §2081). Surveys are one of the preliminary steps to detect a listed or special status plant species or natural community that may be impacted significantly by a project.

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<sup>2</sup> This document replaces the DFG document entitled "Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened and Endangered Plants and Natural Communities."

<sup>3</sup> <http://ceres.ca.gov/ceqa/>

## DEFINITIONS

Botanical surveys provide information used to determine the potential environmental effects of proposed projects on all special status plants and natural communities as required by law (i.e., CEQA, CESA, and Federal Endangered Species Act (ESA)). Some key terms in this document appear in **bold font** for assistance in use of the document.

For the purposes of this document, **special status plants** include all plant species that meet one or more of the following criteria<sup>4</sup>:

- Listed or proposed for listing as threatened or endangered under ESA or candidates for possible future listing as threatened or endangered under the ESA (50 CFR §17.12).
- Listed<sup>5</sup> or candidates for listing by the State of California as threatened or endangered under CESA (Fish and Game Code §2050 *et seq.*). A species, subspecies, or variety of plant is **endangered** when the prospects of its survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, over-exploitation, predation, competition, disease, or other factors (Fish and Game Code §2062). A plant is **threatened** when it is likely to become endangered in the foreseeable future in the absence of special protection and management measures (Fish and Game Code §2067).
- Listed as rare under the California Native Plant Protection Act (Fish and Game Code §1900 *et seq.*). A plant is **rare** when, although not presently threatened with extinction, the species, subspecies, or variety is found in such small numbers throughout its range that it may be endangered if its environment worsens (Fish and Game Code §1901).
- Meet the definition of rare or endangered under CEQA §15380(b) and (d). Species that may meet the definition of rare or endangered include the following:
  - ◆ Species considered by the California Native Plant Society (CNPS) to be “rare, threatened or endangered in California” (Lists 1A, 1B and 2);
  - ◆ Species that may warrant consideration on the basis of local significance or recent biological information<sup>6</sup>;
  - ◆ Some species included on the California Natural Diversity Database’s (CNDDDB) *Special Plants, Bryophytes, and Lichens List* (California Department of Fish and Game 2008)<sup>7</sup>.
- Considered a **locally significant species**, that is, a species that is not rare from a statewide perspective but is rare or uncommon in a local context such as within a county or region (CEQA

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<sup>4</sup> Adapted from the East Alameda County Conservation Strategy available at [http://www.fws.gov/sacramento/EACCS/Documents/080228\\_Species\\_Evaluation\\_EACCS.pdf](http://www.fws.gov/sacramento/EACCS/Documents/080228_Species_Evaluation_EACCS.pdf)

<sup>5</sup> Refer to current online published lists available at: <http://www.dfg.ca.gov/biogeodata>.

<sup>6</sup> In general, CNPS List 3 plants (plants about which more information is needed) and List 4 plants (plants of limited distribution) may not warrant consideration under CEQA §15380. These plants may be included on special status plant lists such as those developed by counties where they would be addressed under CEQA §15380. List 3 plants may be analyzed under CEQA §15380 if sufficient information is available to assess potential impacts to such plants. Factors such as regional rarity vs. statewide rarity should be considered in determining whether cumulative impacts to a List 4 plant are significant even if individual project impacts are not. List 3 and 4 plants are also included in the California Natural Diversity Database’s (CNDDDB) *Special Plants, Bryophytes, and Lichens List*. [Refer to the current online published list available at: <http://www.dfg.ca.gov/biogeodata>.] Data on Lists 3 and 4 plants should be submitted to CNDDDB. Such data aids in determining or revising priority ranking.

<sup>7</sup> Refer to current online published lists available at: <http://www.dfg.ca.gov/biogeodata>.

§15125 (c)) or is so designated in local or regional plans, policies, or ordinances (CEQA Guidelines, Appendix G). Examples include a species at the outer limits of its known range or a species occurring on an uncommon soil type.

**Special status natural communities** are communities that are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. These communities may or may not contain special status species or their habitat. The most current version of the Department's *List of California Terrestrial Natural Communities*<sup>8</sup> indicates which natural communities are of special status given the current state of the California classification.

Most types of wetlands and riparian communities are considered special status natural communities due to their limited distribution in California. These natural communities often contain special status plants such as those described above. These protocols may be used in conjunction with protocols formulated by other agencies, for example, those developed by the U.S. Army Corps of Engineers to delineate jurisdictional wetlands<sup>9</sup> or by the U.S. Fish and Wildlife Service to survey for the presence of special status plants<sup>10</sup>.

## BOTANICAL SURVEYS

Conduct botanical surveys prior to the commencement of any activities that may modify vegetation, such as clearing, mowing, or ground-breaking activities. It is appropriate to conduct a botanical field survey when:

- Natural (or naturalized) vegetation occurs on the site, and it is unknown if special status plant species or natural communities occur on the site, and the project has the potential for direct or indirect effects on vegetation; or
- Special status plants or natural communities have historically been identified on the project site; or
- Special status plants or natural communities occur on sites with similar physical and biological properties as the project site.

## SURVEY OBJECTIVES

Conduct field surveys in a manner which maximizes the likelihood of locating special status plant species or special status natural communities that may be present. Surveys should be **floristic in nature**, meaning that every plant taxon that occurs on site is identified to the taxonomic level necessary to determine rarity and listing status. "Focused surveys" that are limited to habitats known to support special status species or are restricted to lists of likely potential species are not considered floristic in nature and are not adequate to identify all plant taxa on site to the level necessary to determine rarity and listing status. Include a list of plants and natural communities detected on the site for each botanical survey conducted. More than one field visit may be necessary to adequately capture the floristic diversity of a site. An indication of the prevalence (estimated total numbers, percent cover, density, etc.) of the species and communities on the site is also useful to assess the significance of a particular population.

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<sup>8</sup> <http://www.dfg.ca.gov/biogeodata/vegcamp/pdfs/natcomlist.pdf>. The rare natural communities are asterisked on this list.

<sup>9</sup> <http://www.wetlands.com/regs/tlpge02e.htm>

<sup>10</sup> U.S. Fish and Wildlife Service Survey Guidelines available at <http://www.fws.gov/sacramento/es/protocol.htm>

## SURVEY PREPARATION

Before field surveys are conducted, compile relevant botanical information in the general project area to provide a regional context for the investigators. Consult the CNDDDB<sup>11</sup> and BIOS<sup>12</sup> for known occurrences of special status plants and natural communities in the project area prior to field surveys. Generally, identify vegetation and habitat types potentially occurring in the project area based on biological and physical properties of the site and surrounding ecoregion<sup>13</sup>, unless a larger assessment area is appropriate. Then, develop a list of special status plants with the potential to occur within these vegetation types. This list can serve as a tool for the investigators and facilitate the use of reference sites; however, special status plants on site might not be limited to those on the list. Field surveys and subsequent reporting should be comprehensive and floristic in nature and not restricted to or focused only on this list. Include in the survey report the list of potential special status species and natural communities, and the list of references used to compile the background botanical information for the site.

## SURVEY EXTENT

Surveys should be comprehensive over the entire site, including areas that will be directly or indirectly impacted by the project. Adjoining properties should also be surveyed where direct or indirect project effects, such as those from fuel modification or herbicide application, could potentially extend offsite. Pre-project surveys restricted to known CNDDDB rare plant locations may not identify all special status plants and communities present and do not provide a sufficient level of information to determine potential impacts.

## FIELD SURVEY METHOD

Conduct surveys using **systematic field techniques** in all habitats of the site to ensure thorough coverage of potential impact areas. The level of effort required per given area and habitat is dependent upon the vegetation and its overall diversity and structural complexity, which determines the distance at which plants can be identified. Conduct surveys by walking over the entire site to ensure thorough coverage, noting all plant taxa observed. The level of effort should be sufficient to provide comprehensive reporting. For example, one person-hour per eight acres per survey date is needed for a comprehensive field survey in grassland with medium diversity and moderate terrain<sup>14</sup>, with additional time allocated for species identification.

## TIMING AND NUMBER OF VISITS

Conduct surveys in the field at the time of year when species are both evident and identifiable. Usually this is during flowering or fruiting. Space visits throughout the growing season to accurately determine what plants exist on site. Many times this may involve multiple visits to the same site (e.g. in early, mid, and late-season for flowering plants) to capture the floristic diversity at a level necessary to determine if special status plants are present<sup>15</sup>. The timing and number of visits are determined by geographic location, the natural communities present, and the weather patterns of the year(s) in which the surveys are conducted.

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<sup>11</sup> Available at <http://www.dfg.ca.gov/biogeodata/cnddb>

<sup>12</sup> <http://www.bios.dfg.ca.gov/>

<sup>13</sup> Ecological Subregions of California, available at <http://www.fs.fed.us/r5/projects/ecoregions/toc.htm>

<sup>14</sup> Adapted from U.S. Fish and Wildlife Service kit fox survey guidelines available at [www.fws.gov/sacramento/es/documents/kitfox\\_no\\_protocol.pdf](http://www.fws.gov/sacramento/es/documents/kitfox_no_protocol.pdf)

<sup>15</sup> U.S. Fish and Wildlife Service Survey Guidelines available at <http://www.fws.gov/sacramento/es/protocol.htm>

## REFERENCE SITES

When special status plants are known to occur in the type(s) of habitat present in the project area, observe reference sites (nearby accessible occurrences of the plants) to determine whether those species are identifiable at the time of the survey and to obtain a visual image of the target species, associated habitat, and associated natural community.

## USE OF EXISTING SURVEYS

For some sites, floristic inventories or special status plant surveys may already exist. Additional surveys may be necessary for the following reasons:

- Surveys are not current<sup>16</sup>; or
- Surveys were conducted in natural systems that commonly experience year to year fluctuations such as periods of drought or flooding (e.g. vernal pool habitats or riverine systems); or
- Surveys are not comprehensive in nature; or fire history, land use, physical conditions of the site, or climatic conditions have changed since the last survey was conducted<sup>17</sup>; or
- Surveys were conducted in natural systems where special status plants may not be observed if an annual above ground phase is not visible (e.g. flowers from a bulb); or
- Changes in vegetation or species distribution may have occurred since the last survey was conducted, due to habitat alteration, fluctuations in species abundance and/or seed bank dynamics.

## NEGATIVE SURVEYS

Adverse conditions may prevent investigators from determining the presence of, or accurately identifying, some species in potential habitat of target species. Disease, drought, predation, or herbivory may preclude the presence or identification of target species in any given year. Discuss such conditions in the report.

The failure to locate a known special status plant occurrence during one field season does not constitute evidence that this plant occurrence no longer exists at this location, particularly if adverse conditions are present. For example, surveys over a number of years may be necessary if the species is an annual plant having a persistent, long-lived seed bank and is known not to germinate every year. Visits to the site in more than one year increase the likelihood of detection of a special status plant especially if conditions change. To further substantiate negative findings for a known occurrence, a visit to a nearby reference site may ensure that the timing of the survey was appropriate.

## REPORTING AND DATA COLLECTION

Adequate information about special status plants and natural communities present in a project area will

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<sup>16</sup> Habitats, such as grasslands or desert plant communities that have annual and short-lived perennial plants as major floristic components may require yearly surveys to accurately document baseline conditions for purposes of impact assessment. In forested areas, however, surveys at intervals of five years may adequately represent current conditions. For forested areas, refer to “Guidelines for Conservation of Sensitive Plant Resources Within the Timber Harvest Review Process and During Timber Harvesting Operations”, available at <https://r1.dfg.ca.gov/portal/Portals/12/THPBotanicalGuidelinesJuly2005.pdf>

<sup>17</sup> U.S. Fish and Wildlife Service Survey Guidelines available at [http://www.fws.gov/ventura/speciesinfo/protocols\\_guidelines/docs/botanicalinventories.pdf](http://www.fws.gov/ventura/speciesinfo/protocols_guidelines/docs/botanicalinventories.pdf)

enable reviewing agencies and the public to effectively assess potential impacts to special status plants or natural communities<sup>18</sup> and will guide the development of minimization and mitigation measures. The next section describes necessary information to assess impacts. For comprehensive, systematic surveys where no special status species or natural communities were found, reporting and data collection responsibilities for investigators remain as described below, excluding specific occurrence information.

## **SPECIAL STATUS PLANT OR NATURAL COMMUNITY OBSERVATIONS**

Record the following information for locations of each special status plant or natural community detected during a field survey of a project site.

- A detailed map (1:24,000 or larger) showing locations and boundaries of each special status species occurrence or natural community found as related to the proposed project. Mark occurrences and boundaries as accurately as possible. Locations documented by use of global positioning system (GPS) coordinates must include the datum<sup>19</sup> in which they were collected;
- The site-specific characteristics of occurrences, such as associated species, habitat and microhabitat, structure of vegetation, topographic features, soil type, texture, and soil parent material. If the species is associated with a wetland, provide a description of the direction of flow and integrity of surface or subsurface hydrology and adjacent off-site hydrological influences as appropriate;
- The number of individuals in each special status plant population as counted (if population is small) or estimated (if population is large);
- If applicable, information about the percentage of individuals in each life stage such as seedlings vs. reproductive individuals;
- The number of individuals of the species per unit area, identifying areas of relatively high, medium and low density of the species over the project site; and
- Digital images of the target species and representative habitats to support information and descriptions.

## **FIELD SURVEY FORMS**

When a special status plant or natural community is located, complete and submit to the CNDDDB a California Native Species (or Community) Field Survey Form<sup>20</sup> or equivalent written report, accompanied by a copy of the relevant portion of a 7.5 minute topographic map with the occurrence mapped. Present locations documented by use of GPS coordinates in map and digital form. Data submitted in digital form must include the datum<sup>21</sup> in which it was collected. If a potentially undescribed special status natural community is found on the site, document it with a Rapid Assessment or Relevé form<sup>22</sup> and submit it with the CNDDDB form.

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<sup>18</sup> Refer to current online published lists available at: <http://www.dfg.ca.gov/biogeodata>. For Timber Harvest Plans (THPs) please refer to the “Guidelines for Conservation of Sensitive Plant Resources Within the Timber Harvest Review Process and During Timber Harvesting Operations”, available at <https://r1.dfg.ca.gov/portal/Portals/12/THPBotanicalGuidelinesJuly2005.pdf>

<sup>19</sup> NAD83, NAD27 or WGS84

<sup>20</sup> <http://www.dfg.ca.gov/biogeodata>

<sup>21</sup> NAD83, NAD27 or WGS84

<sup>22</sup> [http://www.dfg.ca.gov/biogeodata/vegcamp/veg\\_publications\\_protocols.asp](http://www.dfg.ca.gov/biogeodata/vegcamp/veg_publications_protocols.asp)

## VOUCHER COLLECTION

Voucher specimens provide verifiable documentation of species presence and identification as well as a public record of conditions. This information is vital to all conservation efforts. Collection of voucher specimens should be conducted in a manner that is consistent with conservation ethics, and is in accordance with applicable state and federal permit requirements (e.g. incidental take permit, scientific collection permit). Voucher collections of special status species (or suspected special status species) should be made only when such actions would not jeopardize the continued existence of the population or species.

Deposit voucher specimens with an indexed regional herbarium<sup>23</sup> no later than 60 days after the collections have been made. Digital imagery can be used to supplement plant identification and document habitat. Record all relevant permittee names and permit numbers on specimen labels. A collecting permit is required prior to the collection of State-listed plant species<sup>24</sup>.

## BOTANICAL SURVEY REPORTS

Include reports of botanical field surveys containing the following information with project environmental documents:

- **Project and site description**
  - ◆ A description of the proposed project;
  - ◆ A detailed map of the project location and study area that identifies topographic and landscape features and includes a north arrow and bar scale; and,
  - ◆ A written description of the biological setting, including vegetation<sup>25</sup> and structure of the vegetation; geological and hydrological characteristics; and land use or management history.
- **Detailed description of survey methodology and results**
  - ◆ Dates of field surveys (indicating which areas were surveyed on which dates), name of field investigator(s), and total person-hours spent on field surveys;
  - ◆ A discussion of how the timing of the surveys affects the comprehensiveness of the survey;
  - ◆ A list of potential special status species or natural communities;
  - ◆ A description of the area surveyed relative to the project area;
  - ◆ References cited, persons contacted, and herbaria visited;
  - ◆ Description of reference site(s), if visited, and phenological development of special status plant(s);
  - ◆ A list of all taxa occurring on the project site. Identify plants to the taxonomic level necessary to determine whether or not they are a special status species;
  - ◆ Any use of existing surveys and a discussion of applicability to this project;

<sup>23</sup> For a complete list of indexed herbaria, see: Holmgren, P., N. Holmgren and L. Barnett. 1990. Index Herbariorum, Part 1: Herbaria of the World. New York Botanic Garden, Bronx, New York. 693 pp. Or: <http://www.nybg.org/bsci/ih/ih.html>

<sup>24</sup> Refer to current online published lists available at: <http://www.dfg.ca.gov/biogeodata>.

<sup>25</sup> A vegetation map that uses the National Vegetation Classification System (<http://biology.usgs.gov/npsveg/nvcs.html>), for example *A Manual of California Vegetation*, and highlights any special status natural communities. If another vegetation classification system is used, the report should reference the system, provide the reason for its use, and provide a crosswalk to the National Vegetation Classification System.

- ◆ A discussion of the potential for a false negative survey;
  - ◆ Provide detailed data and maps for all special plants detected. Information specified above under the headings “Special Status Plant or Natural Community Observations,” and “Field Survey Forms,” should be provided for locations of each special status plant detected;
  - ◆ Copies of all California Native Species Field Survey Forms or Natural Community Field Survey Forms should be sent to the CNDDDB and included in the environmental document as an Appendix. It is not necessary to submit entire environmental documents to the CNDDDB; and,
  - ◆ The location of voucher specimens, if collected.
- **Assessment of potential impacts**
    - ◆ A discussion of the significance of special status plant populations in the project area considering nearby populations and total species distribution;
    - ◆ A discussion of the significance of special status natural communities in the project area considering nearby occurrences and natural community distribution;
    - ◆ A discussion of direct, indirect, and cumulative impacts to the plants and natural communities;
    - ◆ A discussion of threats, including those from invasive species, to the plants and natural communities;
    - ◆ A discussion of the degree of impact, if any, of the proposed project on unoccupied, potential habitat of the species;
    - ◆ A discussion of the immediacy of potential impacts; and,
    - ◆ Recommended measures to avoid, minimize, or mitigate impacts.

## **QUALIFICATIONS**

Botanical consultants should possess the following qualifications:

- Knowledge of plant taxonomy and natural community ecology;
- Familiarity with the plants of the area, including special status species;
- Familiarity with natural communities of the area, including special status natural communities;
- Experience conducting floristic field surveys or experience with floristic surveys conducted under the direction of an experienced surveyor;
- Familiarity with the appropriate state and federal statutes related to plants and plant collecting; and,
- Experience with analyzing impacts of development on native plant species and natural communities.

## **SUGGESTED REFERENCES**

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- Bonham, C.D. 1988. *Measurements for terrestrial vegetation*. John Wiley and Sons, Inc., New York,

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- Elzinga, C.L., D.W. Salzer, and J. Willoughby. 1998. Measuring and monitoring plant populations. BLM Technical Reference 1730-1. U.S. Dept. of the Interior, Bureau of Land Management, Denver, Colorado.
- Leppig, G. and J.W. White. 2006. Conservation of peripheral plant populations in California. *Madroño* 53:264-274.
- Mueller-Dombois, D. and H. Ellenberg. 1974. Aims and methods of vegetation ecology. John Wiley and Sons, Inc., New York, NY.
- U.S. Fish and Wildlife Service. 1996. Guidelines for conducting and reporting botanical inventories for federally listed plants on the Santa Rosa Plain. Sacramento, CA.
- U.S. Fish and Wildlife Service. 1996. Guidelines for conducting and reporting botanical inventories for federally listed, proposed and candidate plants. Sacramento, CA.
- Van der Maarel, E. 2005. *Vegetation Ecology*. Blackwell Science Ltd., Malden, MA.

## Special Vascular Plants, Bryophytes, and Lichens List

The remainder of this document contains the CNDDDB's Special Vascular Plants, Bryophytes, and Lichens List current as of the date on the title page of this document. While the CNDDDB and CNPS strive to remain consistent in the taxa we track and the ranks assigned to those taxa, there can be discrepancies usually due to lag time between when a plant species undergoes review in CNPS and when it gets added to the CNDDDB. However, all species tracked by CNPS are also tracked by the CNDDDB.

For additional information on how CNDDDB determines what species to track on our Special Vascular Plants, Bryophytes, and Lichens List, please see the document "How Revisions Are Made to the Special Plants, Bryophytes, and Lichens List" on the [CNDDDB webpage](#).

# Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

## Bryophytes

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Anomobryum julaceum</i> slender silver moss	NBMUS80010	None	None	G4G5/S2	4.2		No	Yes
<i>Bruchia bolanderi</i> Bolander's bruchia	NBMUS13010	None	None	G3/S3?	4.2	USFS:S	No	Yes
<i>Bryum chryseum</i> brassy bryum	NBMUS1A430	None	None	G5/S3	4.3		No	No
<i>Buxbaumia viridis</i> buxbaumia moss	NBMUS1B040	None	None	G4G5/S2	2B.2	BLM:S USFS:S	No	Yes
<i>Campylopodia stenocarpa</i> flagella-like atractylocarpus	NBMUS84010	None	None	G5/S1?	2B.2		No	Yes
<i>Climacium dendroides</i> tree climacium moss	NBMUS1T020	None	None	G5/S1	2B.1		No	Yes
<i>Coscinodon arctolimnius</i> ssp. <i>higuchi</i> Higuchi's sieve-tooth moss	NBMUS96032	None	None	GUTU/S1S3	4.2		No	No
<i>Dacryophyllum falcifolium</i> tear drop moss	NBMUS8Z010	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Didymodon californicus</i> California beard-moss	NBMUS2C0N0	None	None	G2G3/S2S3	4.2		No	No
<i>Discelium nudum</i> naked flag moss	NBMUS2E010	None	None	G3G4/S1	2B.2		No	Yes
<i>Entosthodon kochii</i> Koch's cord moss	NBMUS2P050	None	None	G1/S1	1B.3		No	Yes
<i>Fissidens aphelotaxifolius</i> brook pocket moss	NBMUS2W290	None	None	G3G4/S1	2B.2	USFS:S	No	Yes
<i>Fissidens pauperculus</i> minute pocket moss	NBMUS2W0U0	None	None	G3?/S1	1B.2	USFS:S	No	Yes
<i>Geothallus tuberosus</i> Campbell's liverwort	NBHEP1C010	None	None	G1/S1	1B.1		No	Yes
<i>Grimmia torenii</i> Toren's grimmia	NBMUS32330	None	None	G2/S2	1B.3		No	Yes
<i>Grimmia vaginulata</i> vaginulate grimmia	NBMUS32340	None	None	G2G3/S1	1B.1		No	Yes
<i>Haplodontium tehamense</i> Lassen Peak copper moss	NBMUS4Q030	None	None	G2/S2	1B.3		No	Yes
<i>Helodium blandowii</i> Blandow's bog moss	NBMUS3C010	None	None	G5/S1	2B.3	USFS:S	No	Yes
<i>Jaffuelobryum raii</i> Rau's jaffuelobryum moss	NBMUS97010	None	None	G4?/S2?	2B.3		No	Yes

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<i>Jaffuelobryum wrightii</i> Wright's jaffuelobryum moss	NBMUS97020	None	None	G4G5/S2?	2B.3		No	Yes
<i>Meesia longiseta</i> long seta hump moss	NBMUS4L010	None	None	G5/S2	2B.3		No	Yes
<i>Meesia triquetra</i> three-ranked hump moss	NBMUS4L020	None	None	G5/S4	4.2		No	Yes
<i>Meesia uliginosa</i> broad-nerved hump moss	NBMUS4L030	None	None	G4/S3	2B.2	USFS:S	No	Yes
<i>Mielichhoferia elongata</i> elongate copper moss	NBMUS4Q022	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Mielichhoferia mielichhoferiana</i> Mielichhofer's copper moss	NBMUS4Q020	None	None	G2G3/S1	2B.3		No	Yes
<i>Mielichhoferia shevockii</i> Shevock's copper moss	NBMUSA1010	None	None	G1/S1	1B.2		No	Yes
<i>Myurella julacea</i> small mousetail moss	NBMUS4U010	None	None	G5/S1S2	2B.3		No	Yes
<i>Nardia hiroshii</i> Hiroshi's flapwort	NBHEP2A080	None	None	G5/S1	2B.3		No	Yes
<i>Orthotrichum holzingeri</i> Holzinger's orthotrichum moss	NBMUS560E0	None	None	G3/S2	1B.3		No	Yes
<i>Orthotrichum kellmanii</i> Kellman's bristle moss	NBMUS56190	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Orthotrichum spjutii</i> Spjut's bristle moss	NBMUS56160	None	None	G1/S1	1B.3		No	Yes
<i>Plagiobryoides vinosula</i> wine-colored tufa moss	NBMUS0Y090	None	None	G3G4/S2	4.2		No	No
<i>Pleuridium mexicanum</i> Mexican earthmoss	NBMUS5M080	None	None	G5/S1	2B.1		No	Yes
<i>Pohlia flexuosa</i> flexuose threadmoss	NBMUS5S1D0	None	None	G5/S1	2B.1		No	Yes
<i>Pohlia tundrae</i> tundra thread moss	NBMUS5S1B0	None	None	G2G3/S2S3	2B.3		No	Yes
<i>Ptilidium californicum</i> Pacific fuzzwort	NBHEP2U010	None	None	G3G4/S3?	4.3	BLM:S	No	Yes
<i>Riella americana</i> American riella	NBHEP31020	None	None	G2?/S1?	2B.2		No	Yes
<i>Scopelophila cataractae</i> tongue-leaf copper moss	NBMUS6U010	None	None	G3/S1	2B.2		No	Yes

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<i>Sphaerocarpos drewei</i> bottle liverwort	NBHEP35030	None	None	G1/S1	1B.1		No	Yes
<i>Tortella alpicola</i> alpine crisp moss	NBMUS7K100	None	None	G4G5/S1	2B.3		No	Yes
<i>Tortula californica</i> California screw moss	NBMUS7L090	None	None	G2?/S2	1B.2	BLM:S	No	Yes
<i>Trichodon cylindricus</i> cylindrical trichodon	NBMUS7N020	None	None	G4G5/S2	2B.2		No	Yes
<i>Triquetrella californica</i> coastal triquetrella	NBMUS7S010	None	None	G1/S1	1B.2	USFS:S	No	Yes

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## Lichens

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Bryoria pseudocapillaris</i> false gray horsehair lichen	NLTEST5420	None	None	G3/S2	3.2		No	No
<i>Bryoria spiralifera</i> twisted horsehair lichen	NLTEST5460	None	None	G3/S1S2	1B.1		No	Yes
<i>Calicium adpersum</i> spiral-spored gilded-head pin lichen	NLT0005640	None	None	G3G4/S1?	2B.2	USFS:S	No	Yes
<i>Cladonia firma</i> popcorn lichen	NLT0008460	None	None	G4/S1	2B.1		No	Yes
<i>Graphis saxorum</i> Baja rock lichen	NLTES29470	None	None	G1G3/S1S3	3		No	Yes
<i>Hypogymnia schizidiata</i> island tube lichen	NLT0032640	None	None	G1/S1	1B.3		No	Yes
<i>Mobergia calculiformis</i> light gray lichen	NLT0018660	None	None	G1/S1	3		No	Yes
<i>Peltigera gowardii</i> western waterfan lichen	NLVER00460	None	None	G3G4/S3	4.2	USFS:S	No	Yes
<i>Ramalina thrausta</i> angel's hair lichen	NLLEC3S340	None	None	G5/S2?	2B.1		No	Yes
<i>Solorina spongiosa</i> fringed chocolate chip lichen	NLT0028030	None	None	G4G5/S1	2B.2		No	Yes
<i>Sulcaria isidiifera</i> splitting yarn lichen	NLTEST0020	None	None	G1/S1	1B.1		No	Yes
<i>Texasporium sancti-jacobi</i> woven-spored lichen	NLTEST7980	None	None	G3/S1	3		No	Yes
<i>Thamnia vermicularis</i> whiteworm lichen	NLTES43860	None	None	G3G5/S1	2B.1		No	Yes
<i>Usnea longissima</i> Methuselah's beard lichen	NLLEC5P420	None	None	G4/S4	4.2	BLM:S	No	Yes

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<i>Abies amabilis</i> Pacific silver fir	PGPIN01010	None	None	G5/S3	2B.3		No	Yes
<i>Abies bracteata</i> bristlecone fir	PGPIN01030	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i> subalpine fir	PGPIN01072	None	None	G5T5/S3	2B.3		No	Yes
<i>Abronia alpina</i> Ramshaw Meadows abronia	PDNYC01020	Candidate	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Abronia maritima</i> red sand-verbena	PDNYC010E0	None	None	G4/S3S4	4.2		Yes	No
<i>Abronia nana</i> var. <i>covillei</i> Coville's dwarf abronia	PDNYC010H1	None	None	G4T3/S3	4.2	USFS:S	No	No
<i>Abronia umbellata</i> var. <i>breviflora</i> pink sand-verbena	PDNYC010N4	None	None	G4G5T2/S1	1B.1	BLM:S	No	Yes
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	PDNYC010P1	None	None	G5T3T4/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Abutilon parvulum</i> dwarf abutilon	PDMAL020F0	None	None	G5/S2	2B.3		No	Yes
<i>Acanthomintha duttonii</i> San Mateo thorn-mint	PDLAM01040	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Acanthomintha ilicifolia</i> San Diego thorn-mint	PDLAM01010	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Acanthomintha lanceolata</i> Santa Clara thorn-mint	PDLAM01020	None	None	G4/S4	4.2		Yes	No
<i>Acanthomintha obovata</i> ssp. <i>cordata</i> heart-leaved thorn-mint	PDLAM01033	None	None	G4T3/S3	4.2		Yes	No
<i>Acanthomintha obovata</i> ssp. <i>obovata</i> San Benito thorn-mint	PDLAM01032	None	None	G4T3T4/S3S4	4.2		No	No
<i>Acanthoscyphus parishii</i> var. <i>abramsii</i> Abrams' oxytheca	PDPGN0J041	None	None	G4?T2/S2	1B.2	USFS:S	No	Yes
<i>Acanthoscyphus parishii</i> var. <i>cienegensis</i> Cienega Seca oxytheca	PDPGN0J042	None	None	G4?T2/S2	1B.3	USFS:S	No	Yes
<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i> Cushenbury oxytheca	PDPGN0J043	Endangered	None	G4?T1/S1	1B.1		Yes	Yes
<i>Acanthoscyphus parishii</i> var. <i>parishii</i> Parish's oxytheca	PDPGN0J044	None	None	G4? T3T4/S3S4	4.2		No	No

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<i>Acleisanthes longiflora</i> angel trumpets	PDNYC02040	None	None	G5/S1	2B.3		No	Yes
<i>Acleisanthes nevadensis</i> desert wing-fruit	PDNYC0F040	None	None	G5/S1	2B.3		No	Yes
<i>Acmispon argophyllus</i> var. <i>adsurgens</i> San Clemente Island bird's-foot trefoil	PDFAB2A041	None	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Acmispon argophyllus</i> var. <i>niveus</i> Santa Cruz Island bird's-foot trefoil	PDFAB2A048	None	Endangered	G5T3/S3	4.2		Yes	Yes
<i>Acmispon argyraeus</i> var. <i>multicaulis</i> scrub lotus	PDFAB2A052	None	None	G4?T2/S2	1B.3	BLM:S	No	Yes
<i>Acmispon argyraeus</i> var. <i>notitius</i> Providence Mountains lotus	PDFAB2A053	None	None	G4?T2/S2	1B.3		No	Yes
<i>Acmispon dendroideus</i> var. <i>dendroideus</i> island broom	PDFAB2A1G1	None	None	G4T3/S3	4.2		Yes	No
<i>Acmispon dendroideus</i> var. <i>traskiae</i> San Clemente Island lotus	PDFAB2A1G2	Threatened	Endangered	G4T2/S2	1B.1		Yes	Yes
<i>Acmispon dendroideus</i> var. <i>veatchii</i> San Miguel Island deerweed	PDFAB2A1G3	None	None	G4T3/S3	4.3		Yes	No
<i>Acmispon haydonii</i> pygmy lotus	PDFAB2A0H0	None	None	G3/S2	1B.3		Yes	Yes
<i>Acmispon prostratus</i> Nuttall's acmispon	PDFAB2A0V0	None	None	G1/S1	1B.1		Yes	Yes
<i>Acmispon rubriflorus</i> red-flowered bird's-foot-trefoil	PDFAB2A150	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Adolphia californica</i> California adolphia	PDRHA01010	None	None	G3/S2	2B.1		Yes	Yes
<i>Agave shawii</i> var. <i>shawii</i> Shaw's agave	PMAGA010P1	None	None	G2G3T2T3/S1	2B.1		No	Yes
<i>Agave utahensis</i> var. <i>eborispina</i> ivory-spined agave	PMAGA010S1	None	None	G4T3Q/S2	1B.3	BLM:S	No	Yes
<i>Agave utahensis</i> var. <i>nevadensis</i> Clark Mountain agave	PMAGA010S3	None	None	G4T3Q/S3	4.2		No	No
<i>Ageratina herbacea</i> desert ageratina	PDASTBX0J0	None	None	G5/S2	2B.3		No	Yes
<i>Ageratina shastensis</i> Shasta ageratina	PDASTBX0R0	None	None	G2/S2	1B.2		No	Yes
<i>Agrostis blasdalei</i> Blasdale's bent grass	PMPOA04060	None	None	G2/S2	1B.2	BLM:S	No	Yes

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<i>Agrostis hendersonii</i> Henderson's bent grass	PMPOA040K0	None	None	G2Q/S2	3.2		No	Yes
<i>Agrostis hooveri</i> Hoover's bent grass	PMPOA040M0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Agrostis humilis</i> mountain bent grass	PMPOA040P0	None	None	G4Q/S2	2B.3		No	Yes
<i>Agrostis lacuna-vernalis</i> vernal pool bent grass	PMPOA041N0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Aliciella ripleyi</i> Ripley's aliciella	PDPLM041E0	None	None	G3/S2	2B.3		No	Yes
<i>Aliciella triodon</i> coyote gilia	PDPLM041T0	None	None	G5/S2	2B.2		No	Yes
<i>Alisma gramineum</i> grass alisma	PMALI01010	None	None	G5/S3?	2B.2		No	Yes
<i>Allium abramsii</i> Abrams' onion	PMLIL02360	None	None	G2G3/S2S3	1B.2		No	Yes
<i>Allium atrorubens</i> var. <i>atorubens</i> Great Basin onion	PMLIL02061	None	None	G4T4/S2	2B.3		No	Yes
<i>Allium atrorubens</i> var. <i>cristatum</i> Inyo onion	PMLIL02063	None	None	G4T4/S4	4.3		No	No
<i>Allium fimbriatum</i> var. <i>purdyi</i> Purdy's onion	PMLIL020Y7	None	None	G4G5T3/S3	4.3		No	No
<i>Allium hickmanii</i> Hickman's onion	PMLIL02140	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Allium hoffmanii</i> Beegum onion	PMLIL02150	None	None	G4/S4	4.3		No	No
<i>Allium howellii</i> var. <i>clokeyi</i> Mt. Pinos onion	PMLIL02161	None	None	G4T2/S2	1B.3	USFS:S	Yes	Yes
<i>Allium jepsonii</i> Jepson's onion	PMLIL022V0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Allium marvinii</i> Yucaipa onion	PMLIL02330	None	None	G1/S1	1B.1	USFS:S	No	Yes
<i>Allium munzii</i> Munz's onion	PMLIL022Z0	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Allium nevadense</i> Nevada onion	PMLIL021J0	None	None	G4/S2	2B.3		No	Yes
<i>Allium parishii</i> Parish's onion	PMLIL021N0	None	None	G3/S3	4.3		No	No

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<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T1/S1	1B.2		No	Yes
<i>Allium punctum</i> dotted onion	PMLIL021Y0	None	None	G3/S1	2B.2		No	Yes
<i>Allium sanbornii</i> var. <i>congdonii</i> Congdon's onion	PMLIL02211	None	None	G3T3/S3	4.3		No	No
<i>Allium sanbornii</i> var. <i>sanbornii</i> Sanborn's onion	PMLIL02212	None	None	G3T4?/S4?	4.2		No	No
<i>Allium sharsmithiae</i> Sharsmith's onion	PMLIL02310	None	None	G2/S2	1B.3		No	Yes
<i>Allium shevockii</i> Spanish Needle onion	PMLIL022M0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Allium siskiyouense</i> Siskiyou onion	PMLIL02280	None	None	G4/S4	4.3		No	No
<i>Allium tribracteatum</i> three-bracted onion	PMLIL022D0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Allium tuolumnense</i> Rawhide Hill onion	PMLIL022W0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Allium yosemitense</i> Yosemite onion	PMLIL022L0	None	Rare	G3/S3	1B.3	USFS:S	No	Yes
<i>Alopecurus aequalis</i> var. <i>sonomensis</i> Sonoma alopecurus	PMPOA07012	Endangered	None	G5T1Q/S1	1B.1		Yes	Yes
<i>Aloysia wrightii</i> Wright's beebrush	PDVER02040	None	None	G5/S3	4.3		No	No
<i>Amaranthus watsonii</i> Watson's amaranth	PDAMA04170	None	None	G4G5/S3	4.3		No	No
<i>Ambrosia chenopodiifolia</i> San Diego bur-sage	PDAST0C080	None	None	G2G3/S1	2B.1		Yes	Yes
<i>Ambrosia monogyra</i> singlewhorl burrobrush	PDAST50010	None	None	G5/S2	2B.2		No	Yes
<i>Ambrosia pumila</i> San Diego ambrosia	PDAST0C0M0	Endangered	None	G1/S1	1B.1		No	Yes
<i>Ammoselinum giganteum</i> desert sand-parsley	PDAP105020	None	None	G2G3/SH	2B.3		No	Yes
<i>Amorpha californica</i> var. <i>napensis</i> Napa false indigo	PDFAB08012	None	None	G4T2/S2	1B.2		Yes	Yes
<i>Amsinckia douglasiana</i> Douglas' fiddleneck	PDBOR01010	None	None	G3/S3	4.2		No	No

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<i>Amsinckia furcata</i> forked fiddleneck	PDBOR010D1	None	None	G4/S4	4.2		Yes	No
<i>Amsinckia grandiflora</i> large-flowered fiddleneck	PDBOR01050	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Ancistrocarphus keilii</i> Santa Ynez groundstar	PDASTD5020	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Androsace elongata ssp. acuta</i> California androsace	PDPRI02031	None	None	G5? T3T4/S3S4	4.2		No	No
<i>Androsace filiformis</i> slender-stemmed androsace	PDPRI02040	None	None	G4/S1	2B.3		No	Yes
<i>Androsace occidentalis</i> western androsace	PDPRI02050	None	None	G5/S1S2	2B.3		No	Yes
<i>Androstephium breviflorum</i> small-flowered androstephium	PMLIL06010	None	None	G5/S2S3	2B.2		No	Yes
<i>Angelica callii</i> Call's angelica	PDAPI07060	None	None	G3/S3	4.3		No	No
<i>Angelica kingii</i> King's angelica	PDAPI070D0	None	None	G4/S3	4.2		No	No
<i>Angelica lucida</i> sea-watch	PDAPI070G0	None	None	G5/S3S4	4.2		Yes	No
<i>Anisocarpus scabridus</i> scabrid alpine tarplant	PDASTDU020	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Antennaria flagellaris</i> stoloniferous pussy-toes	PDAST0H0W0	None	None	G5/S3S4	4.2		No	Yes
<i>Antennaria lanata</i> woolly pussy-toes	PDAST0H0B0	None	None	G5Q/S1	3.2		No	Yes
<i>Antennaria marginata</i> white-margined everlasting	PDAST0H1G0	None	None	G4G5/S1	2B.3	USFS:S	No	Yes
<i>Antennaria pulchella</i> beautiful pussy-toes	PDAST0H1H0	None	None	G3/S4	4.3		No	No
<i>Antennaria suffrutescens</i> evergreen everlasting	PDAST0H0S0	None	None	G4/S4	4.3		No	No
<i>Anthoxanthum nitens ssp. nitens</i> nodding vanilla-grass	PMPOA0F041	None	None	G5/S2	2B.3		No	Yes
<i>Antirrhinum ovatum</i> oval-leaved snapdragon	PDSCR2K010	None	None	G3/S3	4.2		No	Yes

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<i>Antirrhinum subcordatum</i> dimorphic snapdragon	PDSCR2S070	None	None	G3/S3	4.3	USFS:S	No	Yes
<i>Antirrhinum virga</i> twig-like snapdragon	PDSCR2S090	None	None	G3G4/S3S4	4.3		No	No
<i>Aphanisma blitoides</i> aphanisma	PDCHE02010	None	None	G3G4/S3	1B.2		No	Yes
<i>Arabis aculeolata</i> Waldo rockcress	PDBRA06010	None	None	G4/S2	2B.2		Yes	Yes
<i>Arabis blepharophylla</i> coast rockcress	PDBRA06040	None	None	G4/S4	4.3		No	No
<i>Arabis mcdonaldiana</i> Mcdonald's rockcress	PDBRA06150	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Arabis modesta</i> modest rockcress	PDBRA06180	None	None	G3/S3	4.3		No	No
<i>Arabis oregana</i> Oregon rockcress	PDBRA061A0	None	None	G3G4Q/S3	4.3		No	No
<i>Arabis repanda</i> var. <i>greenei</i> Greene's rockcress	PDBRA061Q1	None	None	G5T2T3Q/S2S3	3.3		No	No
<i>Arabis rigidissima</i> var. <i>demota</i> Galena Creek rockcress	PDBRA061R1	None	None	G3T3Q/S1	1B.2	USFS:S	No	Yes
<i>Arabis rigidissima</i> var. <i>rigidissima</i> Trinity Mountains rockcress	PDBRA061R2	None	None	G3T2/S2	1B.3		No	Yes
<i>Arctomecon merriamii</i> white bear poppy	PDPAP02030	None	None	G3/S3	2B.2		Yes	Yes
<i>Arctostaphylos andersonii</i> Anderson's manzanita	PDERI04030	None	None	G2/S2	1B.2		Yes	Yes
<i>Arctostaphylos auriculata</i> Mt. Diablo manzanita	PDERI04040	None	None	G2/S2	1B.3		No	Yes
<i>Arctostaphylos bakeri</i> ssp. <i>bakeri</i> Baker's manzanita	PDERI04221	None	Rare	G2T2/S2	1B.1		No	Yes
<i>Arctostaphylos bakeri</i> ssp. <i>sublaevis</i> The Cedars manzanita	PDERI04222	None	Rare	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos canescens</i> ssp. <i>sonomensis</i> Sonoma canescent manzanita	PDERI04066	None	None	G3G4T2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos catalinae</i> Santa Catalina Island manzanita	PDERI04070	None	None	G2?/S2?	1B.2		Yes	Yes
<i>Arctostaphylos confertiflora</i> Santa Rosa Island manzanita	PDERI040A0	Endangered	None	G2/S2	1B.2		No	Yes

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<i>Arctostaphylos crustacea</i> ssp. <i>eastwoodiana</i> Eastwood's brittle-leaf manzanita	PDERI041H4	None	None	G4T2/S2	1B.1		No	Yes
<i>Arctostaphylos crustacea</i> ssp. <i>insulicola</i> island manzanita	PDERI041H5	None	None	G4T3/S3	4.2		No	No
<i>Arctostaphylos crustacea</i> ssp. <i>subcordata</i> Santa Cruz Island manzanita	PDERI041H7	None	None	G4T3/S3	4.2		No	No
<i>Arctostaphylos cruzensis</i> Arroyo de la Cruz manzanita	PDERI040B0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Arctostaphylos densiflora</i> Vine Hill manzanita	PDERI040C0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos edmundsii</i> Little Sur manzanita	PDERI04260	None	None	G2?/S2?	1B.2	USFS:S	No	Yes
<i>Arctostaphylos franciscana</i> Franciscan manzanita	PDERI040J3	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Arctostaphylos gabilanensis</i> Gabilan Mountains manzanita	PDERI042X0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> Del Mar manzanita	PDERI040E8	Endangered	None	G5T2/S2	1B.1		No	Yes
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i> San Gabriel manzanita	PDERI042P0	None	None	G5T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Arctostaphylos glutinosa</i> Schreiber's manzanita	PDERI040G0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos hispidula</i> Howell's manzanita	PDERI04230	None	None	G4/S3	4.2		No	No
<i>Arctostaphylos hookeri</i> ssp. <i>hearstiorum</i> Hearsts' manzanita	PDERI040J4	None	Endangered	G3T2/S2	1B.2		No	Yes
<i>Arctostaphylos hookeri</i> ssp. <i>hookeri</i> Hooker's manzanita	PDERI040J1	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos hooveri</i> Hoover's manzanita	PDERI040K0	None	None	G3/S3	4.3	USFS:S	Yes	No
<i>Arctostaphylos imbricata</i> San Bruno Mountain manzanita	PDERI040L0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos klamathensis</i> Klamath manzanita	PDERI041R0	None	None	G3/S3	1B.2	BLM:S	Yes	Yes
<i>Arctostaphylos luciana</i> Santa Lucia manzanita	PDERI040N0	None	None	G3/S3	1B.2	USFS:S	No	Yes

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<i>Arctostaphylos malloryi</i> Mallory's manzanita	PDERI042V0	None	None	G3/S3	4.3		No	No
<i>Arctostaphylos manzanita ssp. elegans</i> Konocti manzanita	PDERI04271	None	None	G5T3/S3	1B.3		No	Yes
<i>Arctostaphylos manzanita ssp. laevigata</i> Contra Costa manzanita	PDERI04273	None	None	G5T2/S2	1B.2		No	Yes
<i>Arctostaphylos mewukka ssp. truei</i> True's manzanita	PDERI040Q2	None	None	G4?T3/S3	4.2		No	No
<i>Arctostaphylos montana ssp. montana</i> Mt. Tamalpais manzanita	PDERI040J5	None	None	G3T3/S3	1B.3		No	Yes
<i>Arctostaphylos montana ssp. ravenii</i> Presidio manzanita	PDERI040J2	Endangered	Endangered	G3T1/S1	1B.1		No	Yes
<i>Arctostaphylos montaraensis</i> Montara manzanita	PDERI042W0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos montereyensis</i> Toro manzanita	PDERI040R0	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Arctostaphylos morroensis</i> Morro manzanita	PDERI040S0	Threatened	None	G2/S2	1B.1		No	Yes
<i>Arctostaphylos myrtifolia</i> lone manzanita	PDERI04240	Threatened	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos nissenana</i> Nissenan manzanita	PDERI040V0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Arctostaphylos nortensis</i> Del Norte manzanita	PDERI04092	None	None	G2/S2	4.3		No	No
<i>Arctostaphylos nummularia ssp. mendocinoensis</i> pygmy manzanita	PDERI04280	None	None	G3?T1/S1	1B.2		No	Yes
<i>Arctostaphylos obispoensis</i> Bishop manzanita	PDERI040X0	None	None	G4/S4	4.3	USFS:S	No	No
<i>Arctostaphylos ohloneana</i> Ohlone manzanita	PDERI042Y0	None	None	G1/S1	1B.1		No	Yes
<i>Arctostaphylos osoensis</i> Oso manzanita	PDERI042S0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos otayensis</i> Otay manzanita	PDERI040Y0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos pacifica</i> Pacific manzanita	PDERI040Z0	None	Endangered	G1/S1	1B.2		No	Yes
<i>Arctostaphylos pajaroensis</i> Pajaro manzanita	PDERI04100	None	None	G1/S1	1B.1	BLM:S	No	Yes

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<i>Arctostaphylos pallida</i> pallid manzanita	PDERI04110	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos parryana</i> ssp. <i>tumescens</i> interior manzanita	PDERI042A1	None	None	G4T3/S3	4.3	USFS:S	No	No
<i>Arctostaphylos pechoensis</i> Pecho manzanita	PDERI04140	None	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos pilosula</i> Santa Margarita manzanita	PDERI04160	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Arctostaphylos pumila</i> sandmat manzanita	PDERI04180	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Arctostaphylos purissima</i> La Purisima manzanita	PDERI041A0	None	None	G2/S2	1B.1		No	Yes
<i>Arctostaphylos rainbowensis</i> Rainbow manzanita	PDERI042T0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Arctostaphylos refugioensis</i> Refugio manzanita	PDERI041B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Arctostaphylos regismontana</i> Kings Mountain manzanita	PDERI041C0	None	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos rudis</i> sand mesa manzanita	PDERI041E0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos silvicola</i> Bonny Doon manzanita	PDERI041F0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i> Rincon Ridge manzanita	PDERI041G4	None	None	G3T1/S1	1B.1		No	Yes
<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i> Raiche's manzanita	PDERI041G2	None	None	G3T1/S1	1B.1		No	Yes
<i>Arctostaphylos tomentosa</i> ssp. <i>daciticola</i> dacite manzanita	PDERI041HD	None	None	G4T1/S1	1B.1		No	Yes
<i>Arctostaphylos virgata</i> Marin manzanita	PDERI041K0	None	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos viridissima</i> white-haired manzanita	PDERI041L0	None	None	G4/S4	4.2		Yes	No
<i>Arenaria lanuginosa</i> var. <i>saxosa</i> rock sandwort	PDCAR040E4	None	None	G5T5/S2	2B.3	USFS:S	Yes	Yes
<i>Arenaria paludicola</i> marsh sandwort	PDCAR040L0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Argyrochosma limitanea</i> ssp. <i>limitanea</i> southwestern false cloak-fern	PPADI0N051	None	None	G4G5T3T4/S1	2B.1		No	Yes

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<i>Aristocapsa insignis</i> Indian Valley spineflower	PDPGN0U010	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Arnica cernua</i> serpentine arnica	PDAST0Q040	None	None	G5/S4	4.3		No	No
<i>Arnica fulgens</i> hillside arnica	PDAST0Q090	None	None	G5/S3	2B.2		No	Yes
<i>Arnica spathulata</i> Klamath arnica	PDAST0Q0M0	None	None	G3?/S3	4.3		No	No
<i>Arnica venosa</i> Shasta County arnica	PDAST0Q0Q0	None	None	G3/S3	4.2		No	No
<i>Arnica viscosa</i> Mt. Shasta arnica	PDAST0Q0R0	None	None	G4/S3	4.3		No	No
<i>Artemisia nesiotica</i> island sagebrush	PDAST0S120	None	None	G3/S3	4.3		No	No
<i>Artemisia palmeri</i> San Diego sagewort	PDAST0S160	None	None	G3G4/S3?	4.2		No	Yes
<i>Artemisia tripartita ssp. tripartita</i> threetip sagebrush	PDAST0S1S2	None	None	G5T3T5/S2	2B.3		No	Yes
<i>Asarum marmoratum</i> marbled wild-ginger	PDARI02070	None	None	G3G4/S2	2B.3		No	Yes
<i>Asclepias asperula ssp. asperula</i> antelope-horns	PDASC02051	None	None	G5T5/S3	4.3		No	No
<i>Asclepias nyctaginiifolia</i> Mojave milkweed	PDASC02190	None	None	G4G5/S2	2B.1		No	Yes
<i>Asclepias solanoana</i> serpentine milkweed	PDASC021R0	None	None	G3/S3	4.2		Yes	No
<i>Aspidotis carlotta-halliae</i> Carlotta Hall's lace fern	PPADI07020	None	None	G3/S3	4.2		No	No
<i>Asplenium septentrionale</i> northern spleenwort	PPASP021F0	None	None	G4/S3	2B.3		No	Yes
<i>Asplenium trichomanes ssp. trichomanes</i> maidenhair spleenwort	PPASP021K2	None	None	G5T5/S1	2B.3		No	Yes
<i>Asplenium vespertinum</i> western spleenwort	PPASP021P0	None	None	G4/S4	4.2		No	No
<i>Asplenium viride</i> green spleenwort	PPASP02250	None	None	G4/S1	2B.3		No	Yes
<i>Astragalus agnicidus</i> Humboldt milk-vetch	PDFAB0F080	None	Endangered	G3/S3	1B.1	BLM:S	Yes	Yes

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<i>Astragalus agrestis</i> field milk-vetch	PDFAB0F090	None	None	G5/S2?	2B.2	BLM:S	No	Yes
<i>Astragalus albens</i> Cushenbury milk-vetch	PDFAB0F0A0	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Astragalus allochrous</i> var. <i>playanus</i> playa milk-vetch	PDFAB0F0C1	None	None	G4T3?/S1	2B.2		No	Yes
<i>Astragalus anxius</i> Ash Valley milk-vetch	PDFAB0FB0D0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Astragalus argophyllus</i> var. <i>argophyllus</i> silver-leaved milk-vetch	PDFAB0F0S1	None	None	G5T4/S1	2B.2	BLM:S	No	Yes
<i>Astragalus atratus</i> var. <i>mensanus</i> Darwin Mesa milk-vetch	PDFAB0F0Z3	None	None	G4G5T1/S1	1B.1	BLM:S	No	Yes
<i>Astragalus austiniae</i> Austin's astragalus	PDFAB0F120	None	None	G2G3/S2S3	1B.3		No	Yes
<i>Astragalus bernardinus</i> San Bernardino milk-vetch	PDFAB0F190	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus bicristatus</i> crested milk-vetch	PDFAB0F1A0	None	None	G3/S3	4.3	USFS:S	No	No
<i>Astragalus brauntonii</i> Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Astragalus breweri</i> Brewer's milk-vetch	PDFAB0F1J0	None	None	G3/S3	4.2		No	No
<i>Astragalus cimae</i> var. <i>cimae</i> Cima milk-vetch	PDFAB0F231	None	None	G3T2/S2	1B.2		Yes	Yes
<i>Astragalus cimae</i> var. <i>sufflatus</i> inflated Cima milk-vetch	PDFAB0F232	None	None	G3T3/S3	1B.3	USFS:S	No	Yes
<i>Astragalus claranus</i> Clara Hunt's milk-vetch	PDFAB0F240	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Astragalus clevelandii</i> Cleveland's milk-vetch	PDFAB0F250	None	None	G4/S4	4.3		No	No
<i>Astragalus crotalariae</i> Salton milk-vetch	PDFAB0F2K0	None	None	G4G5/S4	4.3		Yes	No
<i>Astragalus deanei</i> Dean's milk-vetch	PDFAB0F2R0	None	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Astragalus didymocarpus</i> var. <i>milesianus</i> Miles' milk-vetch	PDFAB0F2X3	None	None	G5T2/S2	1B.2		No	Yes
<i>Astragalus douglasii</i> var. <i>perstrictus</i> Jacumba milk-vetch	PDFAB0F303	None	None	G5T2?/S2?	1B.2	BLM:S USFS:S	No	Yes

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<i>Astragalus ertterae</i> Walker Pass milk-vetch	PDFAB0FB30	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Astragalus funereus</i> black milk-vetch	PDFAB0F3K0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Astragalus geyeri</i> var. <i>geyeri</i> Geyer's milk-vetch	PDFAB0F3M1	None	None	G4T4/S2	2B.2		No	Yes
<i>Astragalus gilmanii</i> Gilman's milk-vetch	PDFAB0F3R0	None	None	G2/S2	1B.2		No	Yes
<i>Astragalus hornii</i> var. <i>hornii</i> Horn's milk-vetch	PDFAB0F421	None	None	G4G5T2T3/S1	1B.1	BLM:S	No	Yes
<i>Astragalus insularis</i> var. <i>harwoodii</i> Harwood's milk-vetch	PDFAB0F491	None	None	G5T3/S2	2B.2		Yes	Yes
<i>Astragalus inversus</i> Susanville milk-vetch	PDFAB0F4A0	None	None	G4/S4	4.3		No	No
<i>Astragalus inyoensis</i> Inyo milk-vetch	PDFAB0F4B0	None	None	G3/S3	4.2		Yes	No
<i>Astragalus iodanthus</i> var. <i>diaphanoides</i> snake milk-vetch	PDFAB0F4C3	None	None	G4T4/S3	4.3		No	No
<i>Astragalus jaegerianus</i> Lane Mountain milk-vetch	PDFAB0F4F0	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Astragalus johannis-howellii</i> Long Valley milk-vetch	PDFAB0F4H0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus kentrophyta</i> var. <i>danaus</i> Sweetwater Mountains milk-vetch	PDFAB0F4J2	None	None	G5T3/S3	4.3		No	No
<i>Astragalus kentrophyta</i> var. <i>elatus</i> spiny-leaved milk-vetch	PDFAB0F4J4	None	None	G5T4/S2	2B.2		No	Yes
<i>Astragalus kentrophyta</i> var. <i>ungulatus</i> spiny milk-vetch	PDFAB0F4JB	None	None	G5T3T4/S1	2B.2		No	Yes
<i>Astragalus lemmonii</i> Lemmon's milk-vetch	PDFAB0F4N0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus lentiformis</i> lens-pod milk-vetch	PDFAB0F4P0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus lentiginosus</i> var. <i>antonius</i> San Antonio milk-vetch	PDFAB0FB92	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Astragalus lentiginosus</i> var. <i>borreganus</i> Borrego milk-vetch	PDFAB0FB95	None	None	G5T5?/S4	4.3		Yes	No
<i>Astragalus lentiginosus</i> var. <i>coachellae</i> Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	G5T1/S1	1B.2		Yes	Yes

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<i>Astragalus lentiginosus</i> var. <i>kernensis</i> Kern Plateau milk-vetch	PDFAB0FB98	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Astragalus lentiginosus</i> var. <i>micans</i> shining milk-vetch	PDFAB0FB9C	None	None	G5T2Q/S2	1B.2		Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>piscinensis</i> Fish Slough milk-vetch	PDFAB0FB9E	Threatened	None	G5T1/S1	1B.1		Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>sesquimetralis</i> Sodaville milk-vetch	PDFAB0FB9K	None	Endangered	G5T1/S1	1B.1		No	Yes
<i>Astragalus lentiginosus</i> var. <i>sierrae</i> Big Bear Valley milk-vetch	PDFAB0FB9L	None	None	G5T2/S2	1B.2	USFS:S	Yes	Yes
<i>Astragalus leucolobus</i> Big Bear Valley woollypod	PDFAB0F4T0	None	None	G2/S2	1B.2		No	Yes
<i>Astragalus macrodon</i> Salinas milk-vetch	PDFAB0F520	None	None	G4/S4	4.3		No	No
<i>Astragalus magdalenae</i> var. <i>peirsonii</i> Peirson's milk-vetch	PDFAB0F532	Threatened	Endangered	G3G4T2/S2	1B.2		Yes	Yes
<i>Astragalus miguelensis</i> San Miguel Island milk-vetch	PDFAB0F5C0	None	None	G4/S4	4.3		Yes	No
<i>Astragalus mohavensis</i> var. <i>hemigyus</i> curved-pod milk-vetch	PDFAB0F5J1	None	None	G3G4T2T3/S1	1B.1	BLM:S	No	Yes
<i>Astragalus monoensis</i> Mono milk-vetch	PDFAB0F5N0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus nevinii</i> San Clemente Island milk-vetch	PDFAB0F5X0	None	None	G3/S3	1B.2		Yes	Yes
<i>Astragalus nutans</i> Providence Mountains milk-vetch	PDFAB0F620	None	None	G3/S3	4.3		No	No
<i>Astragalus nuttallii</i> var. <i>nuttallii</i> ocean bluff milk-vetch	PDFAB0F641	None	None	G4T4/S4	4.2		No	No
<i>Astragalus nyensis</i> Nye milk-vetch	PDFAB0F660	None	None	G3/S1	1B.1	BLM:S	No	Yes
<i>Astragalus oocarpus</i> San Diego milk-vetch	PDFAB0F6B0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus oophorus</i> var. <i>lavinii</i> Lavin's milk-vetch	PDFAB0F6C4	None	None	G4T2/S1	1B.2	BLM:S	No	Yes
<i>Astragalus oophorus</i> var. <i>oophorus</i> egg milk-vetch	PDFAB0F6C6	None	None	G4T3T4/S3S4	4.3		No	No
<i>Astragalus pachypus</i> var. <i>jaegeri</i> Jaeger's milk-vetch	PDFAB0F6G1	None	None	G4T1/S1	1B.1	BLM:S USFS:S	Yes	Yes

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<i>Astragalus pauperculus</i> depauperate milk-vetch	PDFAB0F6N0	None	None	G4/S4	4.3		No	No
<i>Astragalus platytropis</i> broad-keeled milk-vetch	PDFAB0F6X0	None	None	G5/S2	2B.2		No	Yes
<i>Astragalus preussii</i> var. <i>laxiflorus</i> Lancaster milk-vetch	PDFAB0F721	None	None	G4T2/S1	1B.1		No	Yes
<i>Astragalus preussii</i> var. <i>preussii</i> Preuss' milk-vetch	PDFAB0F722	None	None	G4T4/S1	2B.3		No	Yes
<i>Astragalus pseudiodanthus</i> Tonopah milk-vetch	PDFAB0F750	None	None	G3Q/S2	1B.2	BLM:S	No	Yes
<i>Astragalus pulsiferae</i> var. <i>coronensis</i> Modoc Plateau milk-vetch	PDFAB0F784	None	None	G4T3/S3	4.2	USFS:S	No	No
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i> Pulsifer's milk-vetch	PDFAB0F783	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i> Suksdorf's milk-vetch	PDFAB0F782	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> Ventura Marsh milk-vetch	PDFAB0F7B1	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i> coastal marsh milk-vetch	PDFAB0F7B2	None	None	G2T2/S2	1B.2	BLM:S	Yes	Yes
<i>Astragalus rattanii</i> var. <i>jepsonianus</i> Jepson's milk-vetch	PDFAB0F7E1	None	None	G4T3/S3	1B.2	BLM:S	No	Yes
<i>Astragalus rattanii</i> var. <i>rattanii</i> Rattan's milk-vetch	PDFAB0F7E2	None	None	G4T4/S4	4.3		No	No
<i>Astragalus ravenii</i> Raven's milk-vetch	PDFAB0F7F0	None	None	G2Q/S2	1B.3	USFS:S	No	Yes
<i>Astragalus sabulonum</i> gravel milk-vetch	PDFAB0F7R0	None	None	G5/S2	2B.2		No	Yes
<i>Astragalus serenoii</i> var. <i>shockleyi</i> Shockley's milk-vetch	PDFAB0F802	None	None	G4T3/S2	2B.2		No	Yes
<i>Astragalus shevockii</i> Shevock's milk-vetch	PDFAB0F850	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Astragalus subvestitus</i> Kern County milk-vetch	PDFAB0F8M0	None	None	G3/S3	4.3		No	No
<i>Astragalus tener</i> var. <i>ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1/S1	1B.1	BLM:S	No	Yes
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T2/S2	1B.2		No	Yes

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<i>Astragalus tener</i> var. <i>titi</i> coastal dunes milk-vetch	PDFAB0F8R2	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Astragalus tidiestromii</i> Tidestrom's milk-vetch	PDFAB0F8X0	None	None	G4G5/S2	2B.2	USFS:S	Yes	Yes
<i>Astragalus traskiae</i> Trask's milk-vetch	PDFAB0F910	None	Rare	G3/S3	1B.2		No	Yes
<i>Astragalus tricarinatus</i> triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	G1/S1	1B.2		Yes	Yes
<i>Astragalus umbraticus</i> Bald Mountain milk-vetch	PDFAB0F990	None	None	G4/S2	2B.3		No	Yes
<i>Astragalus webberi</i> Webber's milk-vetch	PDFAB0F9J0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus whitneyi</i> var. <i>lenophyllus</i> woolly-leaved milk-vetch	PDFAB0F9L6	None	None	G5T4/S4	4.3		No	No
<i>Astrolepis cochisensis</i> ssp. <i>cochisensis</i> scaly cloak fern	PPADI0P013	None	None	G5?T4/S2	2B.3		Yes	Yes
<i>Atriplex argentea</i> var. <i>hillmanii</i> Hillman's silverscale	PDCHE04055	None	None	G5T3?/S2	2B.2		No	Yes
<i>Atriplex argentea</i> var. <i>longitrichoma</i> Pahrump orache	PDCHE04056	None	None	G5T2/S2	1B.1	BLM:S	No	Yes
<i>Atriplex cordulata</i> var. <i>cordulata</i> heartscale	PDCHE040B0	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Atriplex cordulata</i> var. <i>erecticaulis</i> Earlimart orache	PDCHE042V0	None	None	G3T1/S1	1B.2	BLM:S	No	Yes
<i>Atriplex coronata</i> var. <i>coronata</i> crownscale	PDCHE040C3	None	None	G4T3/S3	4.2		No	No
<i>Atriplex coronata</i> var. <i>notatior</i> San Jacinto Valley crownscale	PDCHE040C2	Endangered	None	G4T1/S1	1B.1		Yes	Yes
<i>Atriplex coronata</i> var. <i>vallicola</i> Lost Hills crownscale	PDCHE04250	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Atriplex coulteri</i> Coulter's saltbush	PDCHE040E0	None	None	G2/S2	1B.2		Yes	Yes
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2/S2	1B.2		No	Yes
<i>Atriplex gardneri</i> var. <i>falcata</i> falcate saltbush	PDCHE040J0	None	None	G4Q/S2S3	2B.2		No	Yes
<i>Atriplex minuscula</i> lesser saltscale	PDCHE042M0	None	None	G2/S2	1B.1		No	Yes

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<i>Atriplex pacifica</i> south coast saltscale	PDCHE041C0	None	None	G3G4/S2	1B.2		No	Yes
<i>Atriplex parishii</i> Parish's brittle-scale	PDCHE041D0	None	None	G1G2/S1	1B.1	USFS:S	No	Yes
<i>Atriplex persistens</i> vernal pool smallscale	PDCHE042P0	None	None	G2/S2	1B.2		No	Yes
<i>Atriplex pusilla</i> smooth saltbush	PDCHE041P0	None	None	G4/SH	2B.1		No	Yes
<i>Atriplex serenana</i> var. <i>dauidsonii</i> Davidson's saltscale	PDCHE041T1	None	None	G5T1/S1	1B.2		No	Yes
<i>Atriplex subtilis</i> subtle orache	PDCHE042T0	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Atriplex tularensis</i> Bakersfield smallscale	PDCHE04240	None	Endangered	GX/SX	1A		No	Yes
<i>Ayenia compacta</i> California ayenia	PDSTE01020	None	None	G4/S3?	2B.3		No	Yes
<i>Azolla microphylla</i> Mexican mosquito fern	PPAZO01030	None	None	G5/S4	4.2		No	No
<i>Baccharis malibuensis</i> Malibu baccharis	PDAST0W0W0	None	None	G1/S1	1B.1		Yes	Yes
<i>Baccharis plummerae</i> ssp. <i>glabrata</i> San Simeon baccharis	PDAST0W0D1	None	None	G3T2/S2	1B.2	USFS:S	No	Yes
<i>Baccharis plummerae</i> ssp. <i>plummerae</i> Plummer's baccharis	PDAST0W0D2	None	None	G3T3/S3	4.3		Yes	No
<i>Baccharis vanessae</i> Encinitas baccharis	PDAST0W0P0	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Bahia neomexicana</i> many-flowered bahia	PDAST8C020	None	None	G5/S1S2	2B.3		No	Yes
<i>Balsamorhiza lanata</i> woolly balsamroot	PDAST11047	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	PDAST11061	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Balsamorhiza sericea</i> silky balsamroot	PDAST110C0	None	None	G4Q/S3	1B.3	BLM:S	No	Yes
<i>Balsamorhiza serrata</i> serrated balsamroot	PDAST110A0	None	None	G5/S2	2B.3		No	Yes
<i>Benittoa occidentalis</i> western lessingia	PDAST15010	None	None	G4/S4	4.3		No	No

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<i>Bensoniella oregona</i> bensoniella	PDSAX02010	None	Rare	G3/S2	1B.1	USFS:S	No	Yes
<i>Berberis fremontii</i> Fremont barberry	PDBER06060	None	None	G5/S2S3	2B.3		Yes	Yes
<i>Berberis harrisoniana</i> Kofa barberry	PDBER02030	None	None	G1G2/S1	1B.2	BLM:S	No	Yes
<i>Berberis higginsiae</i> Higgin's barberry	PDBER06080	None	None	G4Q/S2	3.2		No	Yes
<i>Berberis nevinii</i> Nevin's barberry	PDBER060A0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Berberis pinnata ssp. insularis</i> island barberry	PDBER060B2	Endangered	Endangered	G5T1/S1	1B.2		No	Yes
<i>Bergerocactus emoryi</i> golden-spined cereus	PDCAC11010	None	None	G2/S2	2B.2		Yes	Yes
<i>Betula glandulosa</i> dwarf resin birch	PDBET02030	None	None	G5/S2	2B.2		No	Yes
<i>Blennosperma bakeri</i> Sonoma sunshine	PDAST1A010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Blennosperma nanum var. robustum</i> Point Reyes blennosperma	PDAST1A022	None	Rare	G4T2/S2	1B.2		No	Yes
<i>Blepharidachne kingii</i> King's eyelash grass	PMPOA0X020	None	None	G4/S2	2B.3		No	Yes
<i>Blepharizonia plumosa</i> big tarplant	PDAST1C011	None	None	G2/S2	1B.1		Yes	Yes
<i>Bloomeria clevelandii</i> San Diego goldenstar	PMLIL1H010	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Bloomeria humilis</i> dwarf goldenstar	PMLIL0B020	None	Rare	G1/S1	1B.2	USFS:S	No	Yes
<i>Boecheira bodiensis</i> Bodie Hills rockcress	PDBRA06240	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Boecheira cobrensis</i> Masonic rockcress	PDBRA06080	None	None	G5/S2	2B.3		No	Yes
<i>Boecheira constancei</i> Constance's rockcress	PDBRA06090	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Boecheira dispar</i> pinyon rockcress	PDBRA060F0	None	None	G3/S3	2B.3		No	Yes
<i>Boecheira evadens</i> hidden rockcress	PDBRA40030	None	None	G1G2/S1S2	1B.3	USFS:S	No	Yes

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<i>Boecheira hirshbergiae</i> Hirshberg's rockcress	PDBRA064D0	None	None	G1/S1	1B.2		No	Yes
<i>Boecheira hoffmannii</i> Hoffmann's rockcress	PDBRA060V0	Endangered	None	G2?/S2?	1B.1		Yes	Yes
<i>Boecheira johnstonii</i> Johnston's rockcress	PDBRA060Y0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Boecheira koehleri</i> Koehler's rockcress	PDBRA060Z0	None	None	G3/S2	1B.3	USFS:S	No	Yes
<i>Boecheira lincolnensis</i> Lincoln rockcress	PDBRA061M3	None	None	G4?/S2	2B.3	BLM:S	No	Yes
<i>Boecheira microphylla</i> small-leaved rockcress	PDBRA06162	None	None	G4Q/S3	3		No	No
<i>Boecheira parishii</i> Parish's rockcress	PDBRA061C0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Boecheira peirsonii</i> San Bernardino rockcress	PDBRA06053	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Boecheira pendulina</i> rabbit-ear rockcress	PDBRA061E0	None	None	G5/S1	2B.3		No	Yes
<i>Boecheira pinzliae</i> Pinzl's rockcress	PDBRA06270	None	None	G2/S1	1B.3	USFS:S	No	Yes
<i>Boecheira pygmaea</i> Tulare County rockcress	PDBRA061N0	None	None	G3/S3	4.3		No	No
<i>Boecheira rollei</i> Rolle's rockcress	PDBRA064H0	None	None	G1/S1	1B.1		No	Yes
<i>Boecheira rubicundula</i> Mt. Day rockcress	PDBRA40100	None	None	G1/S1	1B.1		No	Yes
<i>Boecheira serpenticola</i> serpentine rockcress	PDBRA40110	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Boecheira shevockii</i> Shevock's rockcress	PDBRA40120	None	None	G1/S1	1B.1	USFS:S	No	Yes
<i>Boecheira shockleyi</i> Shockley's rockcress	PDBRA061V0	None	None	G3/S2	2B.2	USFS:S	No	Yes
<i>Boecheira tiehmii</i> Tiehm's rockcress	PDBRA06280	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Boecheira tularensis</i> Tulare rockcress	PDBRA40130	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Boecheira ultraalsa</i> Snow Mountain rockcress	PDBRA40140	None	None	G1/S1	1B.1		No	Yes

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<i>Boechea yorkii</i> Last Chance rockcress	PDBRA40010	None	None	G1/S1	1B.3		No	Yes
<i>Bolandra californica</i> Sierra bolandra	PDSAX03010	None	None	G4/S4	4.3		No	No
<i>Botrychium ascendens</i> upswept moonwort	PPOPH010S0	None	None	G3/S2	2B.3	USFS:S	No	Yes
<i>Botrychium crenulatum</i> scalloped moonwort	PPOPH010L0	None	None	G3/S2	2B.2	USFS:S	No	Yes
<i>Botrychium lineare</i> slender moonwort	PPOPH01120	None	None	G2G3/S1	1B.3	USFS:S	No	Yes
<i>Botrychium lunaria</i> common moonwort	PPOPH01080	None	None	G5/S2	2B.3	USFS:S	No	Yes
<i>Botrychium minganense</i> mingan moonwort	PPOPH010R0	None	None	G4G5/S2	2B.2	USFS:S	No	Yes
<i>Botrychium montanum</i> western goblin	PPOPH010K0	None	None	G3/S2	2B.1	USFS:S	No	Yes
<i>Botrychium paradoxum</i> paradox moonwort	PPOPH010J0	None	None	G3G4/S1	2B.1	USFS:S	No	Yes
<i>Botrychium pedunculosum</i> stalked moonwort	PPOPH010T0	None	None	G2G3/S1	2B.1	USFS:S	No	Yes
<i>Botrychium pinnatum</i> northwestern moonwort	PPOPH010V0	None	None	G4?/S2	2B.3	USFS:S	No	Yes
<i>Botrychium pumicola</i> pumice moonwort	PPOPH010D0	None	None	G3/S1	2B.2	USFS:S	No	Yes
<i>Botrychium tunux</i> moosewort	PPOPH01240	None	None	G3?/S1	2B.1	USFS:S	No	Yes
<i>Botrychium yaaxudakeit</i> giant moonwort	PPOPH01180	None	None	G3G4/S1	2B.1	USFS:S	No	Yes
<i>Botrypus virginianus</i> rattlesnake fern	PPOPH010H0	None	None	G5/S2	2B.2		No	Yes
<i>Bouteloua eriopoda</i> black grama	PMPOA10080	None	None	G5/S3	4.2		No	No
<i>Bouteloua trifida</i> three-awned grama	PMPOA100L0	None	None	G4G5/S2	2B.3		No	Yes
<i>Brasenia schreberi</i> watershield	PDCAB01010	None	None	G5/S2	2B.3		No	Yes
<i>Brodiaea filifolia</i> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G1/S1	1B.1		Yes	Yes

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<i>Brodiaea insignis</i> Kaweah brodiaea	PMLIL0C060	None	Endangered	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Brodiaea kinkiensis</i> San Clemente Island brodiaea	PMLIL0C080	None	None	G2/S2	1B.2		Yes	Yes
<i>Brodiaea leptandra</i> narrow-anthered brodiaea	PMLIL0C022	None	None	G3?/S3?	1B.2		No	Yes
<i>Brodiaea matsonii</i> Sulphur Creek brodiaea	PMLIL0C0H0	None	None	G1/S1	1B.1		No	Yes
<i>Brodiaea orcuttii</i> Orcutt's brodiaea	PMLIL0C0B0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Brodiaea pallida</i> Chinese Camp brodiaea	PMLIL0C0C0	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Brodiaea rosea</i> Indian Valley brodiaea	PMLIL0C032	None	Endangered	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Brodiaea santarosae</i> Santa Rosa Basalt brodiaea	PMLIL0C0G0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Brodiaea sierrae</i> Sierra foothills brodiaea	PMLIL0C0J0	None	None	G3/S3	4.3		No	No
<i>Bulbostylis capillaris</i> thread-leaved beakseed	PMCYP02020	None	None	G5/S3	4.2		No	No
<i>Bursera microphylla</i> little-leaf elephant tree	PDBUR01020	None	None	G4/S2	2B.3		No	Yes
<i>Calamagrostis bolanderi</i> Bolander's reed grass	PMPOA17010	None	None	G4/S4	4.2		No	No
<i>Calamagrostis crassiglumis</i> Thurber's reed grass	PMPOA17070	None	None	G3Q/S2?	2B.1		No	Yes
<i>Calamagrostis foliosa</i> leafy reed grass	PMPOA170C0	None	Rare	G3/S3	4.2	BLM:S	No	Yes
<i>Calamagrostis ophitidis</i> serpentine reed grass	PMPOA170V0	None	None	G3/S3	4.3		No	No
<i>Calandrinia breweri</i> Brewer's calandrinia	PDPOR01020	None	None	G4/S34	4.2		No	No
<i>California macrophylla</i> round-leaved filaree	PDGER01070	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Calliandra eriophylla</i> pink fairy-duster	PDFAB0N040	None	None	G5/S2S3	2B.3		Yes	Yes
<i>Callitropsis nootkatensis</i> Alaska cedar	PGCUP03020	None	None	G5/S4	4.3		No	No

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<i>Calochortus catalinae</i> Catalina mariposa-lily	PMLIL0D080	None	None	G4/S4	4.2		Yes	No
<i>Calochortus clavatus</i> var. <i>avius</i> Pleasant Valley mariposa-lily	PMLIL0D095	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus clavatus</i> var. <i>clavatus</i> club-haired mariposa-lily	PMLIL0D091	None	None	G4T3/S3	4.3	USFS:S	Yes	No
<i>Calochortus clavatus</i> var. <i>gracilis</i> slender mariposa-lily	PMLIL0D096	None	None	G4T2T3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus clavatus</i> var. <i>recurvifolius</i> Arroyo de la Cruz mariposa-lily	PMLIL0D098	None	None	G4T1/S1	1B.2		No	Yes
<i>Calochortus dunnii</i> Dunn's mariposa-lily	PMLIL0D0C0	None	Rare	G2?/S2?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus excavatus</i> Inyo County star-tulip	PMLIL0D0F0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Calochortus fimbriatus</i> late-flowered mariposa-lily	PMLIL0D1J2	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus greenei</i> Greene's mariposa-lily	PMLIL0D0H0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i> long-haired star-tulip	PMLIL0D0R1	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus monanthus</i> single-flowered mariposa-lily	PMLIL0D0W0	None	None	GH/SH	1A	BLM:S	No	Yes
<i>Calochortus obispoensis</i> San Luis mariposa-lily	PMLIL0D110	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus palmeri</i> var. <i>munzii</i> San Jacinto mariposa-lily	PMLIL0D121	None	None	G2T1/S1	1B.2	USFS:S	Yes	Yes
<i>Calochortus palmeri</i> var. <i>palmeri</i> Palmer's mariposa-lily	PMLIL0D122	None	None	G3T3?/S3?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus panamintensis</i> Panamint mariposa-lily	PMLIL0D130	None	None	G3/S3	4.2		No	No
<i>Calochortus persistens</i> Siskiyou mariposa-lily	PMLIL0D140	Candidate	Rare	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus plummerae</i> Plummer's mariposa-lily	PMLIL0D150	None	None	G4/S4	4.2		Yes	Yes
<i>Calochortus pulchellus</i> Mt. Diablo fairy-lantern	PMLIL0D160	None	None	G2/S2	1B.2		No	Yes
<i>Calochortus raichei</i> The Cedars fairy-lantern	PMLIL0D1L0	None	None	G2/S2	1B.2	BLM:S	No	Yes

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<i>Calochortus simulans</i> La Panza mariposa-lily	PMLIL0D170	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Calochortus striatus</i> alkali mariposa-lily	PMLIL0D190	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus syntrophus</i> Callahan's mariposa-lily	PMLIL0D1S0	None	None	G1/S1	1B.1		No	Yes
<i>Calochortus tiburonensis</i> Tiburon mariposa-lily	PMLIL0D1C0	Threatened	Threatened	G1/S1	1B.1		No	Yes
<i>Calochortus umbellatus</i> Oakland star-tulip	PMLIL0D1E0	None	None	G4/S4	4.2		Yes	No
<i>Calochortus uniflorus</i> pink star-tulip	PMLIL0D1F0	None	None	G4/S3	4.2		No	No
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	PMLIL0D1J1	None	None	G3G4T2/S2	1B.2	USFS:S	Yes	Yes
<i>Calochortus westonii</i> Shirley Meadows star-tulip	PMLIL0D1M0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Calycadenia hooveri</i> Hoover's calycadenia	PDAST1P040	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Calycadenia micrantha</i> small-flowered calycadenia	PDAST1P0C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Calycadenia oppositifolia</i> Butte County calycadenia	PDAST1P070	None	None	G3/S3	4.2	USFS:S	No	No
<i>Calycadenia villosa</i> dwarf calycadenia	PDAST1P0B0	None	None	G3/S3	1B.1	BLM:S USFS:S	Yes	Yes
<i>Calyptridium arizonicum</i> Arizona pussypaws	PDPOR09051	None	None	G2G3/S1	2B.1		No	Yes
<i>Calyptridium parryi</i> var. <i>hesseae</i> Santa Cruz Mountains pussypaws	PDPOR09052	None	None	G3G4T2/S2	1B.1	BLM:S	No	Yes
<i>Calyptridium pulchellum</i> Mariposa pussypaws	PDPOR09060	Threatened	None	G1/S1	1B.1		No	Yes
<i>Calyptridium pygmaeum</i> pygmy pussypaws	PDPOR09070	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Calyptridium quadripetalum</i> four-petaled pussypaws	PDPOR09080	None	None	G4/S4	4.3		No	No
<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i> Butte County morning-glory	PDCON04012	None	None	G5T3/S3	4.2		No	Yes
<i>Calystegia collina</i> ssp. <i>oxyphylla</i> Mt. Saint Helena morning-glory	PDCON04032	None	None	G4T3/S3	4.2		No	Yes

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<i>Calystegia collina</i> ssp. <i>tridactylosa</i> coast range bindweed	PDCON04036	None	None	G4T1/S1	1B.2	BLM:S	No	Yes
<i>Calystegia collina</i> ssp. <i>venusta</i> South Coast Range morning-glory	PDCON04034	None	None	G4T4/S4	4.3		No	No
<i>Calystegia felix</i> lucky morning-glory	PDCON040P0	None	None	GHQ/SH	3.1		No	Yes
<i>Calystegia macrostegia</i> ssp. <i>amplissima</i> island morning-glory	PDCON04081	None	None	G4G5T4/S4	4.3		Yes	No
<i>Calystegia malacophylla</i> var. <i>berryl</i> Berry's morning-glory	PDCON040K2	None	None	G4G5T3? Q/S3?	3.3		No	Yes
<i>Calystegia peirsonii</i> Peirson's morning-glory	PDCON040A0	None	None	G4/S4	4.2		No	Yes
<i>Calystegia purpurata</i> ssp. <i>saxicola</i> coastal bluff morning-glory	PDCON040D2	None	None	G4T2T3/S2S3	1B.2		No	Yes
<i>Calystegia sepium</i> ssp. <i>binghamiae</i> Santa Barbara morning-glory	PDCON040E6	None	None	G5TXQ/SX	1A		No	Yes
<i>Calystegia stebbinsii</i> Stebbins' morning-glory	PDCON040H0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Calystegia subacaulis</i> ssp. <i>episcopalis</i> Cambria morning-glory	PDCON040J1	None	None	G3T3/S3	4.2		No	Yes
<i>Calystegia vanzuukiae</i> Van Zuuk's morning-glory	PDCON040Q0	None	None	G2Q/S2	1B.3		No	Yes
<i>Camissonia benitensis</i> San Benito evening-primrose	PDONA03030	Threatened	None	G2/S2	1B.1		Yes	Yes
<i>Camissonia integrifolia</i> Kern River evening-primrose	PDONA030T0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Camissonia kernensis</i> ssp. <i>kernensis</i> Kern County evening-primrose	PDONA030V2	None	None	G4T3/S3	4.3		No	No
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening-primrose	PDONA031H1	None	None	G3T2/S2	1B.2	USFS:S	No	Yes
<i>Camissonia sierrae</i> ssp. <i>sierrae</i> Yosemite evening-primrose	PDONA031H2	None	None	G3T3/S3	4.3		No	No
<i>Camissoniopsis guadalupensis</i> ssp. <i>clementina</i> San Clemente Island evening-primrose	PDONA030M1	None	None	G3T3/S3	1B.2		Yes	Yes
<i>Camissoniopsis hardhamiae</i> Hardham's evening-primrose	PDONA030N0	None	None	G1Q/S1	1B.2	BLM:S USFS:S	No	Yes

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<i>Camissoniopsis lewisii</i> Lewis' evening-primrose	PDONA030X0	None	None	G2G3/S1S3	3		No	No
<i>Campanula californica</i> swamp harebell	PDCAM02060	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Campanula exigua</i> chaparral harebell	PDCAM020A0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Campanula scabrella</i> rough harebell	PDCAM020U0	None	None	G4/S4	4.3		Yes	No
<i>Campanula sharsmithiae</i> Sharsmith's harebell	PDCAM02100	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Campanula shetleri</i> Castle Crags harebell	PDCAM020W0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Campanula wilkinsiana</i> Wilkin's harebell	PDCAM020Z0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Canbya candida</i> white pygmy-poppy	PDPAP05020	None	None	G3G4/S3S4	4.2	USFS:S	Yes	Yes
<i>Cardamine angulata</i> seaside bittercress	PDBRA0K010	None	None	G5/S1	2B.1		No	Yes
<i>Cardamine bellidifolia</i> var. <i>pachyphylla</i> fleshy toothwort	PDBRA0K022	None	None	G5T3/S3	4.3		No	No
<i>Cardamine nuttallii</i> var. <i>gemma</i> yellow-tubered toothwort	PDBRA0K0R3	None	None	G5T3Q/S2	3.3		No	Yes
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i> dissected-leaved toothwort	PDBRA0K1B1	None	None	G3G5T2Q/S2	1B.2		No	Yes
<i>Carex arcta</i> northern clustered sedge	PMCYP030X0	None	None	G5/S2	2B.2		No	Yes
<i>Carex atherodes</i> wheat sedge	PMCYP03160	None	None	G5/S1	2B.2		No	Yes
<i>Carex buxbaumii</i> Buxbaum's sedge	PMCYP032B0	None	None	G5/S3	4.2		No	No
<i>Carex californica</i> California sedge	PMCYP032D0	None	None	G5/S2?	2B.3		No	Yes
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5/S2	2B.1		No	Yes
<i>Carex congdonii</i> Congdon's sedge	PMCYP03320	None	None	G4/S4	4.3		No	No
<i>Carex davyi</i> Davy's sedge	PMCYP033H0	None	None	G2/S2	1B.3		No	Yes

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<i>Carex duriuscula</i> spikerush sedge	PMCYP03GJ0	None	None	G5/S2?	2B.3		No	Yes
<i>Carex geyeri</i> Geyer's sedge	PMCYP03540	None	None	G5/S4	4.2		No	No
<i>Carex halliana</i> Oregon sedge	PMCYP035M0	None	None	G4G5/S2	2B.3		No	Yes
<i>Carex hystericina</i> porcupine sedge	PMCYP036D0	None	None	G5/S1	2B.1		No	Yes
<i>Carex idaho</i> Idaho sedge	PMCYP036E0	None	None	G2G3/S1	2B.3		No	Yes
<i>Carex incurviformis</i> Mt. Dana sedge	PMCYP036G0	None	None	G4G5/S4	4.3		No	No
<i>Carex klamathensis</i> Klamath sedge	PMCYP03L70	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Carex lasiocarpa</i> woolly-fruited sedge	PMCYP03720	None	None	G5/S2	2B.3		No	Yes
<i>Carex lenticularis</i> var. <i>limnophila</i> lagoon sedge	PMCYP037A7	None	None	G5T5/S1	2B.2		No	Yes
<i>Carex leptalea</i> bristle-stalked sedge	PMCYP037E0	None	None	G5/S1	2B.2		No	Yes
<i>Carex limosa</i> mud sedge	PMCYP037K0	None	None	G5/S3	2B.2		No	Yes
<i>Carex livida</i> livid sedge	PMCYP037L0	None	None	G5/SH	2A		No	Yes
<i>Carex lyngbyei</i> Lyngbye's sedge	PMCYP037Y0	None	None	G5/S2	2B.2		No	Yes
<i>Carex nardina</i> nard sedge	PMCYP03920	None	None	G4G5/S1	2B.2		No	Yes
<i>Carex obispoensis</i> San Luis Obispo sedge	PMCYP039J0	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Carex occidentalis</i> western sedge	PMCYP039M0	None	None	G4/S2S3	2B.3		No	Yes
<i>Carex petasata</i> Liddon's sedge	PMCYP03AE0	None	None	G5/S2	2B.3		No	Yes
<i>Carex praticola</i> northern meadow sedge	PMCYP03B20	None	None	G5/S2S3	2B.2		No	Yes
<i>Carex saliniformis</i> deceiving sedge	PMCYP03BY0	None	None	G2/S2	1B.2		No	Yes

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<i>Carex scabriuscula</i> Cascade sedge	PMCYP03C40	None	None	G5?/S4	4.3		Yes	No
<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i> western single-spiked sedge	PMCYP03C85	None	None	G5T5/S2	2B.2		No	Yes
<i>Carex scoparia</i> var. <i>scoparia</i> pointed broom sedge	PMCYP03C91	None	None	G5T5/S2S3	2B.2		No	Yes
<i>Carex serpenticola</i> serpentine sedge	PMCYP03KM0	None	None	G4/S3	2B.3		No	Yes
<i>Carex sheldonii</i> Sheldon's sedge	PMCYP03CE0	None	None	G4/S3	2B.2		No	Yes
<i>Carex stevenii</i> Steven's sedge	PMCYP039D4	None	None	G4?/S1	2B.2		No	Yes
<i>Carex tahoensis</i> Tahoe sedge	PMCYP03DG0	None	None	G5/S3	4.3		No	No
<i>Carex tiogana</i> Tioga Pass sedge	PMCYP03GP0	None	None	G1Q/S1	1B.3	USFS:S	No	Yes
<i>Carex tompkinsii</i> Tompkins' sedge	PMCYP03DR0	None	Rare	G4/S4	4.3		No	Yes
<i>Carex vallicola</i> western valley sedge	PMCYP03EA0	None	None	G5/S2	2B.3		No	Yes
<i>Carex viridula</i> ssp. <i>viridula</i> green yellow sedge	PMCYP03EM5	None	None	G5T5/S2	2B.3		No	Yes
<i>Carlwrightia arizonica</i> Arizona carlowrightia	PDACA07010	None	None	G4G5/S2	2B.2		No	Yes
<i>Carlquistia muirii</i> Muir's tarplant	PDASTDU010	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Carnegiea gigantea</i> saguaro	PDCAC12010	None	None	G5/S1	2B.2		Yes	Yes
<i>Carpenteria californica</i> tree-anemone	PDHDR04010	None	Threatened	G1?/S1?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Cascadia nuttallii</i> Nuttall's saxifrage	PDSAX0U160	None	None	G4?/S1	2B.1		No	Yes
<i>Castela emoryi</i> Emory's crucifixion-thorn	PDSIM03030	None	None	G4/S2S3	2B.2		Yes	Yes
<i>Castilleja affinis</i> var. <i>neglecta</i> Tiburon paintbrush	PDSCR0D013	Endangered	Threatened	G4G5T1/S1	1B.2		Yes	Yes
<i>Castilleja ambigua</i> var. <i>ambigua</i> johnny-nip	PDSCR0D401	None	None	G4T3T4/S3	4.2		No	No

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<i>Castilleja ambigua</i> var. <i>humboldtensis</i> Humboldt Bay owl's-clover	PDSCR0D402	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja ambigua</i> var. <i>insalutata</i> pink Johnny-nip	PDSCR0D403	None	None	G4T1/S1	1B.1		No	Yes
<i>Castilleja ambigua</i> var. <i>meadii</i> Mead's owls-clover	PDSCR0D404	None	None	G4T1/S1	1B.1		No	Yes
<i>Castilleja brevilobata</i> short-lobed paintbrush	PDSCR0D181	None	None	G3/S3	4.2		No	No
<i>Castilleja campestris</i> var. <i>succulenta</i> succulent owl's-clover	PDSCR0D3Z1	Threatened	Endangered	G4?T2/S2	1B.2		No	Yes
<i>Castilleja cinerea</i> ash-gray paintbrush	PDSCR0D0H0	Threatened	None	G2/S2	1B.2		Yes	Yes
<i>Castilleja densiflora</i> var. <i>obispoensis</i> San Luis Obispo owl's-clover	PDSCR0D453	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja elata</i> Siskiyou paintbrush	PDSCR0D213	None	None	G3/S2S3	2B.2		No	Yes
<i>Castilleja gleasoni</i> Mt. Gleason paintbrush	PDSCR0D140	None	Rare	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Castilleja grisea</i> San Clemente Island paintbrush	PDSCR0D160	Threatened	Endangered	G3/S3	1B.3		Yes	Yes
<i>Castilleja hololeuca</i> island white-felted paintbrush	PDSCR0D1L1	None	None	G3/S3	1B.2		No	Yes
<i>Castilleja lasiorhyncha</i> San Bernardino Mountains owl's-clover	PDSCR0D410	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Castilleja latifolia</i> Monterey Coast paintbrush	PDSCR0D1P0	None	None	G4/S4	4.3		No	No
<i>Castilleja leschkeana</i> Point Reyes paintbrush	PDSCR0D1R0	None	None	GH/SH	1A		No	Yes
<i>Castilleja litoralis</i> Oregon coast paintbrush	PDSCR0D012	None	None	G4G5T4/S3	2B.2		No	Yes
<i>Castilleja mendocinensis</i> Mendocino Coast paintbrush	PDSCR0D3N0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja mollis</i> soft-leaved paintbrush	PDSCR0D230	Endangered	None	G1/S1	1B.1		No	Yes
<i>Castilleja montigena</i> Heckard's paintbrush	PDSCR0D3G0	None	None	G3/S3	4.3		No	No
<i>Castilleja plagiotoma</i> Mojave paintbrush	PDSCR0D2J0	None	None	G4/S4	4.3	USFS:S	Yes	No

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<i>Castilleja rubicundula</i> var. <i>rubicundula</i> pink creamsacs	PDSCR0D482	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja schizotricha</i> split-hair paintbrush	PDSCR0D2Y0	None	None	G4/S4	4.3		No	No
<i>Castilleja uliginosa</i> Pitkin Marsh paintbrush	PDSCR0D380	None	Endangered	GXQ/SX	1A		No	Yes
<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i> Santa Barbara jewelflower	PDBRA0M012	None	None	G4T1/S1	1B.1	USFS:S	No	Yes
<i>Caulanthus californicus</i> California jewelflower	PDBRA31010	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Caulanthus lemmonii</i> Lemmon's jewelflower	PDBRA0M0E0	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Caulanthus major</i> var. <i>nevadensis</i> slender jewelflower	PDBRA0M0F1	None	None	G4T3?/S3	4.3		No	No
<i>Caulanthus simulans</i> Payson's jewelflower	PDBRA0M0H0	None	None	G4/S4	4.2	USFS:S	No	Yes
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	PDRHA04220	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Ceanothus cuneatus</i> var. <i>fascicularis</i> Lompoc ceanothus	PDRHA04066	None	None	G5T4/S4	4.2		Yes	No
<i>Ceanothus cyaneus</i> Lakeside ceanothus	PDRHA04070	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Ceanothus divergens</i> Calistoga ceanothus	PDRHA04240	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Ceanothus ferrisiae</i> Coyote ceanothus	PDRHA041N0	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Ceanothus foliosus</i> var. <i>vineatus</i> Vine Hill ceanothus	PDRHA040D6	None	None	G3T1/S1?	1B.1		No	Yes
<i>Ceanothus fresnensis</i> Fresno ceanothus	PDRHA040E0	None	None	G4/S4	4.3		No	No
<i>Ceanothus gloriosus</i> var. <i>exaltatus</i> glory brush	PDRHA040F4	None	None	G4T4/S4	4.3		No	No
<i>Ceanothus gloriosus</i> var. <i>gloriosus</i> Point Reyes ceanothus	PDRHA040F5	None	None	G4T4/S4	4.3		Yes	No
<i>Ceanothus gloriosus</i> var. <i>porrectus</i> Mt. Vision ceanothus	PDRHA040F7	None	None	G4T2/S2	1B.3		No	Yes
<i>Ceanothus hearstiorum</i> Hearsts' ceanothus	PDRHA040J0	None	Rare	G1/S1	1B.2	BLM:S	No	Yes

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<i>Ceanothus maritimus</i> maritime ceanothus	PDRHA040T0	None	Rare	G2/S2	1B.2		No	Yes
<i>Ceanothus masonii</i> Mason's ceanothus	PDRHA04200	None	Rare	G1/S1	1B.2		No	Yes
<i>Ceanothus megacarpus</i> var. <i>insularis</i> island ceanothus	PDRHA040W1	None	None	G5T4/S4	4.3		Yes	No
<i>Ceanothus ophiochilus</i> Vail Lake ceanothus	PDRHA041M0	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Ceanothus otayensis</i> Otay Mountain ceanothus	PDRHA04430	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Ceanothus pinetorum</i> Kern ceanothus	PDRHA04130	None	None	G3/S3	4.3		No	No
<i>Ceanothus purpureus</i> holly-leaved ceanothus	PDRHA04160	None	None	G2/S2	1B.2		No	Yes
<i>Ceanothus rigidus</i> Monterey ceanothus	PDRHA04067	None	None	G4/S34	4.2		No	No
<i>Ceanothus roderickii</i> Pine Hill ceanothus	PDRHA04190	Endangered	Rare	G1/S1	1B.2		Yes	Yes
<i>Ceanothus sonomensis</i> Sonoma ceanothus	PDRHA04420	None	None	G2/S2	1B.2		No	Yes
<i>Ceanothus verrucosus</i> wart-stemmed ceanothus	PDRHA041J0	None	None	G3/S2	2B.2		Yes	Yes
<i>Centromadia parryi</i> ssp. <i>australis</i> southern tarplant	PDAST4R0P4	None	None	G3T2/S2	1B.1		Yes	Yes
<i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	PDAST4R0P1	None	None	G3T2/S2	1B.1	BLM:S	Yes	Yes
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	PDAST4R0P2	None	None	G3T1/S1	1B.2	BLM:S	No	Yes
<i>Centromadia parryi</i> ssp. <i>rudis</i> Parry's rough tarplant	PDAST4R0P3	None	None	G3T3/S3	4.2		No	No
<i>Centromadia pungens</i> ssp. <i>laevis</i> smooth tarplant	PDAST4R0R4	None	None	G3G4T2/S2	1B.1		Yes	Yes
<i>Cercocarpus betuloides</i> var. <i>blancheae</i> island mountain-mahogany	PDROS08022	None	None	G5T4/S4	4.3		Yes	No
<i>Cercocarpus traskiae</i> Catalina Island mountain-mahogany	PDROS08030	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chaenactis carphoclinia</i> var. <i>peirsonii</i> Peirson's pincushion	PDAST20042	None	None	G5T2/S2	1B.3		No	Yes

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<i>Chaenactis douglasii</i> var. <i>alpina</i> alpine dusty maidens	PDAST20065	None	None	G5T5/S2	2B.3		No	Yes
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i> Orcutt's pincushion	PDAST20095	None	None	G5T1/S1	1B.1	BLM:S	Yes	Yes
<i>Chaenactis parishii</i> Parish's chaenactis	PDAST200D0	None	None	G3G4/S3	1B.3		No	Yes
<i>Chaenactis suffrutescens</i> Shasta chaenactis	PDAST200H0	None	None	G3/S3	1B.3	BLM:S USFS:S	Yes	Yes
<i>Chaetadelpa wheeleri</i> Wheeler's dune-broom	PDAST21010	None	None	G4/S2	2B.2		No	Yes
<i>Chamaebatia australis</i> southern mountain misery	PDR0S0A010	None	None	G4/S4	4.2		No	No
<i>Cheilanthes wootonii</i> Wooton's lace fern	PPADI090S0	None	None	G5/S1	2B.3		No	Yes
<i>Chenopodium littoreum</i> coastal goosefoot	PDCHE091Z0	None	None	G2/S2	1B.2		No	Yes
<i>Chenopodium simplex</i> large-seeded goosefoot	PDCHE091P0	None	None	G5/S4	4.3		No	No
<i>Chlorogalum grandiflorum</i> Red Hills soaproot	PMLIL0G020	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Chlorogalum pomeridianum</i> var. <i>minus</i> dwarf soaproot	PMLIL0G042	None	None	G5T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Chlorogalum purpureum</i> var. <i>purpureum</i> Santa Lucia purple amole	PMLIL0G051	Threatened	None	G2T2/S2	1B.1		Yes	Yes
<i>Chlorogalum purpureum</i> var. <i>reductum</i> Camatta Canyon amole	PMLIL0G052	Threatened	Rare	G2T1/S1	1B.1		Yes	Yes
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i> salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1/S1	1B.2		Yes	Yes
<i>Chloropyron maritimum</i> ssp. <i>palustre</i> Point Reyes salty bird's-beak	PDSCR0J0C3	None	None	G4?T2/S2	1B.2	BLM:S	No	Yes
<i>Chloropyron molle</i> ssp. <i>hispidum</i> hispid salty bird's-beak	PDSCR0J0D1	None	None	G2T2/S2	1B.1	BLM:S	No	Yes
<i>Chloropyron molle</i> ssp. <i>molle</i> soft salty bird's-beak	PDSCR0J0D2	Endangered	Rare	G2T1/S1	1B.2		No	Yes
<i>Chloropyron palmatum</i> palmate-bracted salty bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes

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<i>Chloropyron tecopense</i> Tecopa salty bird's-beak	PDSCR0J0Q0	None	None	G2/S1	1B.2	BLM:S	Yes	Yes
<i>Chorizanthe biloba</i> var. <i>immemora</i> Hernandez spineflower	PDPGN04025	None	None	G3T1?/S1?	1B.2	BLM:S	No	Yes
<i>Chorizanthe blakleyi</i> Blakley's spineflower	PDPGN04030	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Chorizanthe breweri</i> Brewer's spineflower	PDPGN04050	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i> San Francisco Bay spineflower	PDPGN04081	None	None	G2T1/S1	1B.2		No	Yes
<i>Chorizanthe cuspidata</i> var. <i>villosa</i> woolly-headed spineflower	PDPGN04082	None	None	G2T2/S2	1B.2		No	Yes
<i>Chorizanthe douglasii</i> Douglas' spineflower	PDPGN040A0	None	None	G4/S4	4.3		No	No
<i>Chorizanthe howellii</i> Howell's spineflower	PDPGN040C0	Endangered	Threatened	G1/S1	1B.2		No	Yes
<i>Chorizanthe leptotheca</i> Peninsular spineflower	PDPGN040D0	None	None	G3/S3	4.2		No	No
<i>Chorizanthe orcuttiana</i> Orcutt's spineflower	PDPGN040G0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chorizanthe palmeri</i> Palmer's spineflower	PDPGN040H0	None	None	G4?/S4	4.2		No	No
<i>Chorizanthe parryi</i> var. <i>fernandina</i> San Fernando Valley spineflower	PDPGN040J1	Candidate	Endangered	G2T1/S1	1B.1	USFS:S	Yes	Yes
<i>Chorizanthe parryi</i> var. <i>parryi</i> Parry's spineflower	PDPGN040J2	None	None	G3T3/S3	1B.1	BLM:S USFS:S	Yes	Yes
<i>Chorizanthe polygonoides</i> var. <i>longispina</i> long-spined spineflower	PDPGN040K1	None	None	G5T3/S3	1B.2	BLM:S	Yes	Yes
<i>Chorizanthe pungens</i> var. <i>hartwegiana</i> Ben Lomond spineflower	PDPGN040M1	Endangered	None	G2T1/S1	1B.1		No	Yes
<i>Chorizanthe pungens</i> var. <i>pungens</i> Monterey spineflower	PDPGN040M2	Threatened	None	G2T2/S2	1B.2		Yes	Yes
<i>Chorizanthe rectispina</i> straight-awned spineflower	PDPGN040N0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Chorizanthe robusta</i> var. <i>hartwegii</i> Scotts Valley spineflower	PDPGN040Q1	Endangered	None	G2T1/S1	1B.1		No	Yes
<i>Chorizanthe robusta</i> var. <i>robusta</i> robust spineflower	PDPGN040Q2	Endangered	None	G2T1/S1	1B.1	BLM:S	No	Yes

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<i>Chorizanthe spinosa</i> Mojave spineflower	PDPGN040R0	None	None	G4/S4	4.2		No	No
<i>Chorizanthe valida</i> Sonoma spineflower	PDPGN040V0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chorizanthe ventricosa</i> potbellied spineflower	PDPGN040W0	None	None	G4/S4	4.3		No	No
<i>Chorizanthe wheeleri</i> Wheeler's spineflower	PDPGN040Y0	None	None	G3/S3	4.3		No	No
<i>Chorizanthe xanti</i> var. <i>leucotheca</i> white-bracted spineflower	PDPGN040Z1	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Chrysothamnus greenei</i> Greene's rabbitbrush	PDAST2C030	None	None	G5/S3?	2B.3		No	Yes
<i>Chylismia arenaria</i> sand evening-primrose	PDONA03020	None	None	G4?/S2	2B.2		No	Yes
<i>Chylismia claviformis</i> ssp. <i>cruciformis</i> cruciform evening-primrose	PDONA030D4	None	None	G5T4/S2S3	2B.3		No	Yes
<i>Cicuta maculata</i> var. <i>bolanderi</i> Bolander's water-hemlock	PDAPI0M051	None	None	G5T3T4/S2	2B.1		No	Yes
<i>Cinna bolanderi</i> Bolander's woodreed	PMPOA1H040	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Cirsium andrewsii</i> Franciscan thistle	PDAST2E050	None	None	G3/S3	1B.2		No	Yes
<i>Cirsium arizonicum</i> var. <i>tenuisectum</i> desert mountain thistle	PDAST2E083	None	None	G5T2/S2	1B.2		No	Yes
<i>Cirsium ciliolatum</i> Ashland thistle	PDAST2E0P0	None	Endangered	G3/S1	2B.1	BLM:S	No	Yes
<i>Cirsium crassicaule</i> slough thistle	PDAST2E0U0	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Cirsium fontinale</i> var. <i>campylon</i> Mt. Hamilton fountain thistle	PDAST2E163	None	None	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Cirsium fontinale</i> var. <i>fontinale</i> Crystal Springs fountain thistle	PDAST2E161	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Cirsium fontinale</i> var. <i>obispoense</i> San Luis Obispo fountain thistle	PDAST2E162	Endangered	Endangered	G2T2/S2	1B.2		Yes	Yes
<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> Suisun thistle	PDAST2E1G1	Endangered	None	G2T1/S1	1B.1		Yes	Yes
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i> Mt. Tamalpais thistle	PDAST2E1G2	None	None	G2T2/S2	1B.2		No	Yes

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<i>Cirsium occidentale</i> var. <i>compactum</i> compact cobwebby thistle	PDAST2E1Z1	None	None	G3G4T1/S1	1B.2		No	Yes
<i>Cirsium occidentale</i> var. <i>lucianum</i> Cuesta Ridge thistle	PDAST2E1Z6	None	None	G3G4T2/S2	1B.2	BLM:S	No	Yes
<i>Cirsium praeteriens</i> lost thistle	PDAST2E2B0	None	None	GX/SX	1A		No	Yes
<i>Cirsium rhotophilum</i> surf thistle	PDAST2E2J0	None	Threatened	G1/S1	1B.2	BLM:S	Yes	Yes
<i>Cirsium scariosum</i> var. <i>loncholepis</i> La Graciosa thistle	PDAST2E1N0	Endangered	Threatened	G5T1/S1	1B.1		No	Yes
<i>Cistanthe maritima</i> seaside cistanthe	PDPOR09020	None	None	G3G4/S3	4.2		Yes	No
<i>Cladium californicum</i> California saw-grass	PMCYP04010	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Clarkia amoena</i> ssp. <i>whitneyi</i> Whitney's farewell-to-spring	PDONA05025	None	None	G5T1/S1	1B.1		No	Yes
<i>Clarkia australis</i> Small's southern clarkia	PDONA05040	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Clarkia biloba</i> ssp. <i>australis</i> Mariposa clarkia	PDONA05051	None	None	G4G5T2T3/S2 S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Clarkia biloba</i> ssp. <i>brandegeeeae</i> Brandegee's clarkia	PDONA05053	None	None	G4G5T4/S4	4.2	BLM:S	No	Yes
<i>Clarkia borealis</i> ssp. <i>arida</i> Shasta clarkia	PDONA05061	None	None	G3T2/S2	1B.1	BLM:S	No	Yes
<i>Clarkia borealis</i> ssp. <i>borealis</i> northern clarkia	PDONA05062	None	None	G3T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Clarkia breweri</i> Brewer's clarkia	PDONA05080	None	None	G4/S4	4.2		Yes	No
<i>Clarkia concinna</i> ssp. <i>automixa</i> Santa Clara red ribbons	PDONA050A1	None	None	G5?T3/S3	4.3		No	Yes
<i>Clarkia concinna</i> ssp. <i>raichei</i> Raiche's red ribbons	PDONA050A2	None	None	G5?T1/S1	1B.1		No	Yes
<i>Clarkia delicata</i> delicate clarkia	PDONA050D0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Clarkia exilis</i> slender clarkia	PDONA050G0	None	None	G4/S4	4.3		No	No
<i>Clarkia franciscana</i> Presidio clarkia	PDONA050H0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes

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<i>Clarkia gracilis ssp. albicaulis</i> white-stemmed clarkia	PDONA050J1	None	None	G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Clarkia gracilis ssp. tracyi</i> Tracy's clarkia	PDONA050J4	None	None	G5T3/S3	4.2		Yes	No
<i>Clarkia imbricata</i> Vine Hill clarkia	PDONA050K0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Clarkia jolonensis</i> Jolon clarkia	PDONA050L0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Clarkia lewisii</i> Lewis' clarkia	PDONA050N0	None	None	G4/S4	4.3		Yes	No
<i>Clarkia lingulata</i> Merced clarkia	PDONA050P0	None	Endangered	G1/S1	1B.1	USFS:S	No	Yes
<i>Clarkia mildrediae ssp. lutescens</i> golden-anthered clarkia	PDONA050Q1	None	None	G3T3/S3	4.2		No	No
<i>Clarkia mildrediae ssp. mildrediae</i> Mildred's clarkia	PDONA050Q2	None	None	G3T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Clarkia mosquinii</i> Mosquin's clarkia	PDONA050S0	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Clarkia rostrata</i> beaked clarkia	PDONA050Y0	None	None	G2G3/S2S3	1B.3	BLM:S	Yes	Yes
<i>Clarkia speciosa ssp. immaculata</i> Pismo clarkia	PDONA05111	Endangered	Rare	G4T1/S1	1B.1		Yes	Yes
<i>Clarkia springvillensis</i> Springville clarkia	PDONA05120	Threatened	Endangered	G2/S2	1B.2		No	Yes
<i>Clarkia tembloriensis ssp. calientensis</i> Vasek's clarkia	PDONA05141	None	None	G3T1/S1	1B.1	BLM:S	No	Yes
<i>Clarkia virgata</i> Sierra clarkia	PDONA05160	None	None	G3/S3	4.3		Yes	No
<i>Clarkia xantiana ssp. parviflora</i> Kern Canyon clarkia	PDONA05181	None	None	G4T3/S3	4.2		Yes	Yes
<i>Claytonia lanceolata var. peirsonii</i> Peirson's spring beauty	PDPOR03097	None	None	G5T2Q/S2	3.1	USFS:S	Yes	Yes
<i>Claytonia megarhiza</i> fell-fields claytonia	PDPOR030A0	None	None	G4G5/S2S3	2B.3		No	Yes
<i>Claytonia palustris</i> marsh claytonia	PDPOR030S0	None	None	G4/S4	4.3		No	No
<i>Claytonia parviflora ssp. grandiflora</i> streambank spring beauty	PDPOR030D1	None	None	G5T3/S3	4.2		No	No

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<i>Claytonia umbellata</i> Great Basin claytonia	PDPOR030P0	None	None	G5?/S2	2B.3		No	Yes
<i>Cleomella brevipes</i> short-pedicelled cleomella	PDCPP04020	None	None	G4/S3	4.2		No	No
<i>Cleomella hillmanii</i> var. <i>hillmanii</i> Hillman's cleomella	PDCPP04030	None	None	G4G5T4T5/S2	2B.2		No	Yes
<i>Clinopodium chandleri</i> San Miguel savory	PDLAM08030	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Clinopodium mimuloides</i> monkey-flower savory	PDLAM1T040	None	None	G3/S3	4.2		No	No
<i>Cochlearia groenlandica</i> Greenland cochlearia	PDBRA0S020	None	None	G4?/S2	2B.3		No	Yes
<i>Collinsia antonina</i> San Antonio collinsia	PDSCR0H010	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Collinsia corymbosa</i> round-headed Chinese-houses	PDSCR0H060	None	None	G1/S1	1B.2		No	Yes
<i>Collinsia multicolor</i> San Francisco collinsia	PDSCR0H0B0	None	None	G2/S2	1B.2		Yes	Yes
<i>Collomia diversifolia</i> serpentine collomia	PDPLM02020	None	None	G4/S4	4.3		No	No
<i>Collomia larsenii</i> talus collomia	PDPLM02014	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Collomia rawsoniana</i> Rawson's flaming trumpet	PDPLM02080	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Collomia tenella</i> slender collomia	PDPLM02090	None	None	G4?/S1	2B.2		No	Yes
<i>Collomia tracyi</i> Tracy's collomia	PDPLM020B0	None	None	G3/S3.3	4.3		No	No
<i>Colubrina californica</i> Las Animas colubrina	PDRHA05030	None	None	G4/S2S3	2B.3		Yes	Yes
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i> summer holly	PDERI0B011	None	None	G3T2/S2	1B.2	BLM:S	Yes	Yes
<i>Condalia globosa</i> var. <i>pubescens</i> spiny abrojo	PDRHA06031	None	None	G5T4/S3	4.2		No	No
<i>Constancea nevinii</i> Nevin's woolly sunflower	PDAST3N090	None	None	G3/S3	1B.3		Yes	Yes
<i>Convolvulus simulans</i> small-flowered morning-glory	PDCON05060	None	None	G4/S4	4.2		No	No

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<i>Coptis laciniata</i> Oregon goldthread	PDRAN0A020	None	None	G4/S3	4.2		No	Yes
<i>Corallorhiza trifida</i> northern coralroot	PMORC0M050	None	None	G5/S1	2B.1		No	Yes
<i>Cordylanthus capitatus</i> Yakima bird's-beak	PDSCR0J030	None	None	G4/S2	2B.2		No	Yes
<i>Cordylanthus eremicus ssp. eremicus</i> desert bird's-beak	PDSCR0J042	None	None	G3?T3?/S3?	4.3		No	No
<i>Cordylanthus eremicus ssp. kernensis</i> Kern Plateau bird's-beak	PDSCR0J043	None	None	G3?T2/S2	1B.3	USFS:S	No	Yes
<i>Cordylanthus nidularius</i> Mt. Diablo bird's-beak	PDSCR0J0F0	None	Rare	G1/S1	1B.1	BLM:S	No	Yes
<i>Cordylanthus parviflorus</i> small-flowered bird's-beak	PDSCR0J0K0	None	None	G4G5/S1S2	2B.3		No	Yes
<i>Cordylanthus rigidus ssp. brevibracteatus</i> short-bracted bird's-beak	PDSCR0J0P3	None	None	G5T4/S4	4.3		No	No
<i>Cordylanthus rigidus ssp. littoralis</i> seaside bird's-beak	PDSCR0J0P2	None	Endangered	G5T2/S2	1B.1	BLM:S	No	Yes
<i>Cordylanthus tenuis ssp. barbatus</i> Fresno County bird's-beak	PDSCR0J0S4	None	None	G4G5T3/S3	4.3		No	No
<i>Cordylanthus tenuis ssp. brunneus</i> serpentine bird's-beak	PDSCR0J0S1	None	None	G4G5T3/S3	4.3		No	No
<i>Cordylanthus tenuis ssp. capillaris</i> Pennell's bird's-beak	PDSCR0J0S2	Endangered	Rare	G4G5T1/S1	1B.2		Yes	Yes
<i>Cordylanthus tenuis ssp. pallescens</i> pallid bird's-beak	PDSCR0J0S3	None	None	G4G5T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Corethrogyne filaginifolia var. incana</i> San Diego sand aster	PDAST2M025	None	None	G4T1/S1	1B.1		No	Yes
<i>Corethrogyne filaginifolia var. linifolia</i> Del Mar Mesa sand aster	PDAST2M027	None	None	G4T1/S1	1B.1		No	Yes
<i>Corethrogyne leucophylla</i> branching beach aster	PDAST2M030	None	None	G3Q/S3	3.2		No	No
<i>Corispermum americanum var. americanum</i> American bugseed	PDCHE0A091	None	None	G5?T5?/S1	2B.2		No	Yes
<i>Cornus canadensis</i> bunchberry	PDCOR01040	None	None	G5/S2	2B.2		No	Yes

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<i>Coryphantha alversonii</i> Alverson's foxtail cactus	PDCAC0X060	None	None	G3/S3	4.3		No	Yes
<i>Coryphantha chlorantha</i> desert pincushion	PDCAC040J0	None	None	G2G3/S2	2B.1		No	Yes
<i>Coryphantha vivipara</i> var. <i>rosea</i> viviparous foxtail cactus	PDCAC0X0G8	None	None	G5T3/S1	2B.2		No	Yes
<i>Crataegus castlegarensis</i> Calstlegar hawthorne	PDROS0H9E0	None	None	G5/S1S3	3		No	No
<i>Crepis runcinata</i> ssp. <i>hallii</i> Hall's meadow hawksbeard	PDAST2R0KB	None	None	G5T3?/S1S2	2B.1		No	Yes
<i>Crocانthemum greenei</i> island rush-rose	PDCIS02090	Threatened	None	G2/S2	1B.2		Yes	Yes
<i>Crocانthemum suffrutescens</i> Bisbee Peak rush-rose	PDCIS020F0	None	None	G2Q/S2	3.2		No	Yes
<i>Crossosoma californicum</i> Catalina crossosoma	PDCRO02020	None	None	G2/S2	1B.2		Yes	Yes
<i>Croton wigginsii</i> Wiggins' croton	PDEUP0H140	None	Rare	G2G3/S2	2B.2	BLM:S	No	Yes
<i>Cryptantha celosiooides</i> cocks-comb cat's-eye	PDBOR0A0F0	None	None	G5/S1	2B.3		No	Yes
<i>Cryptantha circumscissa</i> var. <i>rosulata</i> rosette cushion cryptantha	PDBOR0A0G3	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Cryptantha clokeyi</i> Clokey's cryptantha	PDBOR0A3M0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cryptantha costata</i> ribbed cryptantha	PDBOR0A0M0	None	None	G4G5/S4	4.3		Yes	No
<i>Cryptantha crinita</i> silky cryptantha	PDBOR0A0Q0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Cryptantha crymophila</i> subalpine cryptantha	PDBOR0A0R0	None	None	G3/S3	1B.3		No	Yes
<i>Cryptantha dissita</i> serpentine cryptantha	PDBOR0A0H2	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cryptantha excavata</i> deep-scarred cryptantha	PDBOR0A0W0	None	None	G1/S1	1B.3	BLM:S	No	Yes
<i>Cryptantha fendleri</i> sand dune cryptantha	PDBOR0A0X0	None	None	G5/S1	2B.2		No	Yes
<i>Cryptantha ganderi</i> Gander's cryptantha	PDBOR0A120	None	None	G1G2/S1	1B.1	BLM:S	No	Yes

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<i>Cryptantha glomeriflora</i> clustered-flower cryptantha	PDBOR0A130	None	None	G4Q/S4	4.3		No	No
<i>Cryptantha holoptera</i> winged cryptantha	PDBOR0A180	None	None	G3G4/S3?	4.3		No	No
<i>Cryptantha hooveri</i> Hoover's cryptantha	PDBOR0A190	None	None	GH/SH	1A		No	Yes
<i>Cryptantha incana</i> Tulare cryptantha	PDBOR0A1D0	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Cryptantha mariposae</i> Mariposa cryptantha	PDBOR0A1Q0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Cryptantha rattanii</i> Rattan's cryptantha	PDBOR0A2H0	None	None	G4/S4	4.3		No	No
<i>Cryptantha roosiorum</i> bristlecone cryptantha	PDBOR0A2L0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Cryptantha schoolcraftii</i> Schoolcraft's cryptantha	PDBOR0A3H0	None	None	G3/S1	2B.2	BLM:S	No	Yes
<i>Cryptantha scoparia</i> gray cryptantha	PDBOR0A2Q0	None	None	G4?/S4	4.3		No	No
<i>Cryptantha traskiae</i> Trask's cryptantha	PDBOR0A370	None	None	G2/S2	1B.1		Yes	Yes
<i>Cryptantha tumulosa</i> New York Mountains cryptantha	PDBOR0A380	None	None	G4/S4	4.3		No	No
<i>Cryptantha wigginsii</i> Wiggins' cryptantha	PDBOR0A400	None	None	G2/S1	1B.2		No	Yes
<i>Cuniculotinus gramineus</i> Panamint rock-goldenrod	PDAST2C0H0	None	None	G4?/S3	2B.3		No	Yes
<i>Cuscuta californica</i> var. <i>apiculata</i> pointed dodder	PDCUS01071	None	None	G5T3?/S2S3	3		No	No
<i>Cuscuta jepsonii</i> Jepson's dodder	PDCUS011T0	None	None	GH/SH	1B.2		No	Yes
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i> Peruvian dodder	PDCUS01111	None	None	G5T4T5/SH	2B.2		No	Yes
<i>Cuscuta pacifica</i> var. <i>papillata</i> Mendocino dodder	PDCUS011A2	None	None	G5T1/S1	1B.2		No	Yes
<i>Cusickiella quadricostata</i> Bodie Hills cusickiella	PDBRA2V010	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cylindropuntia californica</i> var. <i>californica</i> snake cholla	PDCAC0D2Y1	None	None	G3T2/S1	1B.1		No	Yes

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<i>Cylindropuntia fosbergii</i> pink cholla	PDCAC0D2U0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Cylindropuntia munzii</i> Munz's cholla	PDCAC0D0V0	None	None	G3/S1	1B.3	BLM:S	No	Yes
<i>Cylindropuntia wolffii</i> Wolf's cholla	PDCAC0D2R0	None	None	G4/S3	4.3		No	No
<i>Cymopterus deserticola</i> desert cymopterus	PDAP10U090	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cymopterus gilmanii</i> Gilman's cymopterus	PDAP10U0C0	None	None	G3?/S2	2B.3		Yes	Yes
<i>Cymopterus globosus</i> globose cymopterus	PDAP10U0E0	None	None	G4/S1	2B.2		No	Yes
<i>Cymopterus multinervatus</i> purple-nerve cymopterus	PDAP10U0Q0	None	None	G5?/S2	2B.2		No	Yes
<i>Cymopterus ripleyi</i> var. <i>saniculoides</i> sanicle cymopterus	PDAP10U0X1	None	None	G3G4T3Q/S1	1B.2	BLM:S	No	Yes
<i>Cypripedium californicum</i> California lady's-slipper	PMORC0Q040	None	None	G4/S4	4.2		No	No
<i>Cypripedium fasciculatum</i> clustered lady's-slipper	PMORC0Q060	None	None	G4/S4	4.2	BLM:S USFS:S	No	No
<i>Cypripedium montanum</i> mountain lady's-slipper	PMORC0Q080	None	None	G4/S4	4.2	BLM:S USFS:S	No	No
<i>Cypripedium parviflorum</i> var. <i>makasin</i> northern yellow lady's slipper	PMORC0Q093	None	None	G5T4T5/S1	3.1		No	No
<i>Dalea ornata</i> ornate dalea	PDFAB1A150	None	None	G4G5/S2	2B.1	BLM:S	No	Yes
<i>Darlingtonia californica</i> California pitcherplant	PDSAR01010	None	None	G4/S4	4.2		Yes	No
<i>Dedeckera eurekaensis</i> July gold	PDPGN06010	None	Rare	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Deinandra arida</i> Red Rock tarplant	PDAST4R010	None	Rare	G1/S1	1B.2	BLM:S	No	Yes
<i>Deinandra bacigalupii</i> Livermore tarplant	PDAST4R0V0	None	None	G1/S1	1B.2		No	Yes
<i>Deinandra clementina</i> island tarplant	PDAST4R040	None	None	G4/S4	4.3		Yes	No
<i>Deinandra conjugens</i> Otay tarplant	PDAST4R070	Threatened	Endangered	G1/S1	1B.1		Yes	Yes

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<i>Deinandra floribunda</i> Tecate tarplant	PDAST4R0B0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Deinandra halliana</i> Hall's tarplant	PDAST4R0C0	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Deinandra increscens ssp. villosa</i> Gaviota tarplant	PDAST4R0U3	Endangered	Endangered	G4G5T2/S2	1B.1		Yes	Yes
<i>Deinandra minthornii</i> Santa Susana tarplant	PDAST4R0J0	None	Rare	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Deinandra mohavensis</i> Mojave tarplant	PDAST4R0K0	None	Endangered	G2G3/S2S3	1B.3	BLM:S USFS:S	Yes	Yes
<i>Deinandra paniculata</i> paniculate tarplant	PDAST4R0N0	None	None	G4/S4	4.2		No	No
<i>Delphinium bakeri</i> Baker's larkspur	PDRAN0B050	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Delphinium californicum ssp. interius</i> Hospital Canyon larkspur	PDRAN0B0A2	None	None	G3T3/S3	1B.2		No	Yes
<i>Delphinium gypsophilum ssp. parviflorum</i> small-flowered gypsum-loving larkspur	PDRAN0B0S2	None	None	G4T3?Q/S3?	3.2		No	No
<i>Delphinium hansenii ssp. ewanianum</i> Ewan's larkspur	PDRAN0B0T2	None	None	G4T3/S3	4.2		No	No
<i>Delphinium hesperium ssp. cuyamaca</i> Cuyamaca larkspur	PDRAN0B0U1	None	Rare	G4T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Delphinium hutchinsoniae</i> Hutchinson's larkspur	PDRAN0B0V0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Delphinium inopinum</i> unexpected larkspur	PDRAN0B0W0	None	None	G3/S3	4.3	USFS:S	No	Yes
<i>Delphinium luteum</i> golden larkspur	PDRAN0B0Z0	Endangered	Rare	G1/S1	1B.1		Yes	Yes
<i>Delphinium parishii ssp. subglobosum</i> Colorado Desert larkspur	PDRAN0B1A3	None	None	G4T4/S4	4.3		No	No
<i>Delphinium parryi ssp. blochmaniae</i> dune larkspur	PDRAN0B1B1	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Delphinium parryi ssp. eastwoodiae</i> Eastwood's larkspur	PDRAN0B1B2	None	None	G4T2/S2	1B.2		No	Yes
<i>Delphinium parryi ssp. purpureum</i> Mt. Pinos larkspur	PDRAN0B1B5	None	None	G4T4/S4	4.3	USFS:S	Yes	No

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<i>Delphinium purpusii</i> rose-flowered larkspur	PDRAN0B1G0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Delphinium recurvatum</i> recurved larkspur	PDRAN0B1J0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Delphinium scaposum</i> bare-stem larkspur	PDRAN0B1M0	None	None	G5/S1	2B.3		No	Yes
<i>Delphinium stachydeum</i> spiked larkspur	PDRAN0B1Q0	None	None	G5/S3	2B.3		No	Yes
<i>Delphinium uliginosum</i> swamp larkspur	PDRAN0B1V0	None	None	G3/S3	4.2		No	No
<i>Delphinium umbraculorum</i> umbrella larkspur	PDRAN0B1W0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Delphinium variegatum ssp. kinkiense</i> San Clemente Island larkspur	PDRAN0B1X3	Endangered	Endangered	G4T2/S2	1B.1		Yes	Yes
<i>Delphinium variegatum ssp. thornei</i> Thorne's royal larkspur	PDRAN0B1X2	None	None	G4T2/S2	1B.1		Yes	Yes
<i>Dendromecon harfordii var. harfordii</i> north island bush-poppy	PDPAP08020	None	None	G3T3Q/S3	3.2		Yes	No
<i>Dendromecon harfordii var. rhamnoides</i> south island bush-poppy	PDPAP08012	None	None	G4T1Q/S1	3.1		No	Yes
<i>Dicentra formosa ssp. oregana</i> Oregon bleeding heart	PDFUM04052	None	None	G5T4/S3	4.2		No	No
<i>Dicentra nevadensis</i> Tulare County bleeding heart	PDFUM04060	None	None	G4/S4	4.3	USFS:S	No	No
<i>Dichondra occidentalis</i> western dichondra	PDCON08060	None	None	G3G4/S3S4	4.2		No	No
<i>Dicranostegia orcuttiana</i> Orcutt's bird's-beak	PDSCR0J0G0	None	None	G2?/S1	2B.1		No	Yes
<i>Dieteria asteroides var. lagunensis</i> Mt. Laguna aster	PDAST64131	None	Rare	G5T2T3Q/S1	2B.1	BLM:S USFS:S	No	Yes
<i>Dieteria canescens var. ziegleri</i> Ziegler's aster	PDAST640B2	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Digitaria californica var. californica</i> Arizona cottontop	PMPOA27051	None	None	G5T5?/S2	2B.3		No	Yes
<i>Dimeresia howellii</i> doublet	PDAST2Z010	None	None	G4?/S3	2B.3		No	Yes
<i>Dirca occidentalis</i> western leatherwood	PDTHY03010	None	None	G2G3/S2S3	1B.2		No	Yes

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<i>Dissantheium californicum</i> California dissantheium	PMPOA29010	None	None	G1/S1	1B.2		Yes	Yes
<i>Ditaxis claryana</i> glandular ditaxis	PDEUP080L0	None	None	G4G5/S1	2B.2		No	Yes
<i>Ditaxis serrata var. californica</i> California ditaxis	PDEUP08050	None	None	G5T2T3/S2	3.2		No	Yes
<i>Dithyrea maritima</i> beach spectaclepod	PDBRA10020	None	Threatened	G2/S1	1B.1	BLM:S	No	Yes
<i>Dodecahema leptoceras</i> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Downingia concolor var. brevior</i> Cuyamaca Lake downingia	PDCAM06041	None	Endangered	G4T1/S1	1B.1		No	Yes
<i>Downingia laeta</i> Great Basin downingia	PDCAM06080	None	None	G5/S3	2B.2		No	Yes
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU/S2	2B.2		No	Yes
<i>Draba asterophora var. asterophora</i> Tahoe draba	PDBRA110D1	None	None	G2T2/S2	1B.2	USFS:S	No	Yes
<i>Draba asterophora var. macrocarpa</i> Cup Lake draba	PDBRA110D2	None	None	G2T1/S1	1B.1	USFS:S	No	Yes
<i>Draba aureola</i> golden alpine draba	PDBRA110F0	None	None	G4/S2	1B.3		No	Yes
<i>Draba californica</i> California draba	PDBRA11380	None	None	G3/S3	4.2		No	No
<i>Draba cana</i> canescent draba	PDBRA110M0	None	None	G5/S2	2B.3		No	Yes
<i>Draba carnosula</i> Mt. Eddy draba	PDBRA112T0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Draba cruciata</i> Mineral King draba	PDBRA110U0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Draba howellii</i> Howell's draba	PDBRA11150	None	None	G4/S4	4.3		Yes	No
<i>Draba incrassata</i> Sweetwater Mountains draba	PDBRA113G0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Draba lonchocarpa</i> spear-fruited draba	PDBRA111F0	None	None	G5/S1	2B.3		No	Yes
<i>Draba monoensis</i> White Mountains draba	PDBRA113B0	None	None	G2/S2	1B.2	USFS:S	No	Yes

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<i>Draba praealta</i> tall draba	PDBRA11210	None	None	G5/S3	2B.3		No	Yes
<i>Draba pterosperma</i> winged-seed draba	PDBRA11230	None	None	G3/S3	4.3		No	No
<i>Draba saxosa</i> Southern California rock draba	PDBRA110Q2	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Draba sharsmithii</i> Mt. Whitney draba	PDBRA113F0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Draba sierrae</i> Sierra draba	PDBRA112A0	None	None	G3/S3	1B.3		No	Yes
<i>Draba subumbellata</i> mound draba	PDBRA11370	None	None	G3/S3	4.3		No	No
<i>Drosera anglica</i> English sundew	PDDRO02010	None	None	G5/S2	2B.3		No	Yes
<i>Drymocallis cuneifolia</i> var. <i>cuneifolia</i> wedgeleaf woodbeauty	PDR0S2D011	None	None	G1T1/S1	1B.1	USFS:S	No	Yes
<i>Drymocallis cuneifolia</i> var. <i>ewanii</i> Ewan's cinquefoil	PDR0S1B0S3	None	None	G1T1/S1	1B.3	USFS:S	No	Yes
<i>Dryopteris filix-mas</i> male fern	PPDRY0A0B0	None	None	G5/S2	2B.3		No	Yes
<i>Dudleya abramsii</i> ssp. <i>affinis</i> San Bernardino Mountains dudleya	PDCRA04013	None	None	G4T2/S2	1B.2	USFS:S	Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>bettinae</i> Betty's dudleya	PDCRA04011	None	None	G4T1/S1	1B.2		Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>calicicola</i> limestone dudleya	PDCRA040Y0	None	None	G4T4/S4	4.3		No	No
<i>Dudleya abramsii</i> ssp. <i>murina</i> mouse-gray dudleya	PDCRA04012	None	None	G4T2/S2	1B.3	BLM:S	Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>setchellii</i> Santa Clara Valley dudleya	PDCRA040Z0	Endangered	None	G4T2/S2	1B.1		Yes	Yes
<i>Dudleya alainae</i> banner dudleya	PDCRA040X0	None	None	G1?Q/S1?	3.2		No	No
<i>Dudleya attenuata</i> ssp. <i>attenuata</i> Orcutt's dudleya	PDCRA04032	None	None	G4T2/S1	2B.1		No	Yes
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i> Blochman's dudleya	PDCRA04051	None	None	G2T2/S2	1B.1		Yes	Yes
<i>Dudleya blochmaniae</i> ssp. <i>insularis</i> Santa Rosa Island dudleya	PDCRA04052	None	None	G2T1/S1	1B.1		No	Yes

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<i>Dudleya brevifolia</i> short-leaved dudleya	PDCRA04053	None	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Dudleya candelabrum</i> candleholder dudleya	PDCRA04080	None	None	G3/S3	1B.2		No	Yes
<i>Dudleya cymosa ssp. agourensis</i> Agoura Hills dudleya	PDCRA040A7	Threatened	None	G5T1/S2	1B.2		Yes	Yes
<i>Dudleya cymosa ssp. costatifolia</i> Pierpoint Springs dudleya	PDCRA040A2	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Dudleya cymosa ssp. crebrifolia</i> San Gabriel River dudleya	PDCRA040A8	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Dudleya cymosa ssp. marcescens</i> marcescent dudleya	PDCRA040A3	Threatened	Rare	G5T2/S2	1B.2		Yes	Yes
<i>Dudleya cymosa ssp. ovatifolia</i> Santa Monica dudleya	PDCRA040A5	Threatened	None	G5T1/S1	1B.1		Yes	Yes
<i>Dudleya densiflora</i> San Gabriel Mountains dudleya	PDCRA040B0	None	None	G2/S2	1B.1	USFS:S	Yes	Yes
<i>Dudleya gnoma</i> munchkin dudleya	PDCRA040W0	None	None	G1/S1	1B.1		No	Yes
<i>Dudleya greenei</i> Greene's dudleya	PDCRA040E0	None	None	G3/S3	4.2		Yes	No
<i>Dudleya multicaulis</i> many-stemmed dudleya	PDCRA040H0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Dudleya nesiotica</i> Santa Cruz Island dudleya	PDCRA040J0	Threatened	Rare	G1/S1	1B.1		Yes	Yes
<i>Dudleya parva</i> Conejo dudleya	PDCRA04016	Threatened	None	G2/S2	1B.2		Yes	Yes
<i>Dudleya saxosa ssp. saxosa</i> Panamint dudleya	PDCRA040N2	None	None	G4T3/S3	1B.3	BLM:S	No	Yes
<i>Dudleya stolonifera</i> Laguna Beach dudleya	PDCRA040P0	Threatened	Threatened	G1/S1	1B.1		Yes	Yes
<i>Dudleya traskiae</i> Santa Barbara Island dudleya	PDCRA040Q0	Endangered	Endangered	G1/S1	1B.2		No	Yes
<i>Dudleya variegata</i> variegated dudleya	PDCRA040R0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Dudleya verityi</i> Verity's dudleya	PDCRA040U0	Threatened	None	G1/S1	1B.1		Yes	Yes
<i>Dudleya virens ssp. hassei</i> Catalina Island dudleya	PDCRA040S1	None	None	G3?T2?/S2?	1B.2		Yes	Yes

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<i>Dudleya virens ssp. insularis</i> island green dudleya	PDCRA040S2	None	None	G3?T3/S3	1B.2		No	Yes
<i>Dudleya virens ssp. virens</i> bright green dudleya	PDCRA040S3	None	None	G3?T1/S1	1B.2		No	Yes
<i>Dudleya viscida</i> sticky dudleya	PDCRA040T0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Echinocereus engelmannii var. howei</i> Howe's hedgehog cactus	PDCAC06035	None	None	G5T1/S1	1B.1	BLM:S	No	Yes
<i>Eleocharis parvula</i> small spikerush	PMCYP091G0	None	None	G5/S4	4.3		No	No
<i>Eleocharis torticulmis</i> California twisted spikerush	PMCYP092E0	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Elymus californicus</i> California bottle-brush grass	PMPOA2H0W0	None	None	G4/S4	4.3		No	No
<i>Elymus salina</i> Salina Pass wild-rye	PMPOA6P010	None	None	G5/S2	2B.3		Yes	Yes
<i>Elymus scribneri</i> Scribner's wheat grass	PMPOA2H170	None	None	G5/S2?	2B.3		No	Yes
<i>Empetrum nigrum</i> black crowberry	PDEMP03020	None	None	G5/S2?	2B.2		No	Yes
<i>Enceliopsis covillei</i> Panamint daisy	PDAST3G020	None	None	G2?/S2?	1B.2	BLM:S	Yes	Yes
<i>Enceliopsis nudicaulis var. corrugata</i> Ash Meadows daisy	PDAST3G031	Threatened	None	G5T2/S1	3.3		No	Yes
<i>Enceliopsis nudicaulis var. nudicaulis</i> naked-stemmed daisy	PDAST3G032	None	None	G5T5/S4	4.3		No	No
<i>Enneapogon desvauxii</i> nine-awned pappus grass	PMPOA2J010	None	None	G5/S2	2B.2		Yes	Yes
<i>Ephedra torreyana</i> Torrey's Mormon-tea	PGEPH01080	None	None	G5?/S1	2B.1		No	Yes
<i>Epilobium howellii</i> subalpine fireweed	PDONA06180	None	None	G4/S4	4.3		No	Yes
<i>Epilobium luteum</i> yellow willowherb	PDONA060H0	None	None	G5/S2	2B.3		No	Yes
<i>Epilobium nivium</i> Snow Mountain willowherb	PDONA060M0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Epilobium oregonum</i> Oregon fireweed	PDONA060P0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

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<i>Epilobium palustre</i> marsh willowherb	PDONA060R0	None	None	G5/S2	2B.3		No	Yes
<i>Epilobium rigidum</i> Siskiyou Mountains willowherb	PDONA060V0	None	None	G3G4/S3	4.3		No	No
<i>Epilobium septentrionale</i> Humboldt County fuchsia	PDONA06110	None	None	G4/S4	4.3		No	No
<i>Epilobium siskiyouense</i> Siskiyou fireweed	PDONA06100	None	None	G3/S3	1B.3	BLM:S	Yes	Yes
<i>Equisetum palustre</i> marsh horsetail	PPEQU01050	None	None	G5/S1S2	3		No	No
<i>Eremalche kernensis</i> Kern mallow	PDMAL0C031	Endangered	None	G3?T2Q/S2	1B.1		Yes	Yes
<i>Eremogone cliffonii</i> Clifton's eremogone	PDCAR17010	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Eremogone congesta</i> var. <i>charlestonensis</i> Charleston sandwort	PDCAR0405B	None	None	G5T2?/S1	1B.3		No	Yes
<i>Eremogone ursina</i> Big Bear Valley sandwort	PDCAR040R0	Threatened	None	G1/S1	1B.2		Yes	Yes
<i>Eremothera boothii</i> ssp. <i>alyssoides</i> Pine Creek evening-primrose	PDONA03051	None	None	G5T4/S4	4.3		No	No
<i>Eremothera boothii</i> ssp. <i>boothii</i> Booth's evening-primrose	PDONA03052	None	None	G5T4/S2	2B.3		No	Yes
<i>Eremothera boothii</i> ssp. <i>intermedia</i> Booth's hairy evening-primrose	PDONA03056	None	None	G5T3T4/S3	2B.3		No	Yes
<i>Eremothera minor</i> Nelson's evening-primrose	PDONA03110	None	None	G4/S2	2B.3		No	Yes
<i>Eriastrum brandegeae</i> Brandegee's eriastrum	PDPLM03020	None	None	G1Q/S1	1B.1	BLM:S	No	Yes
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Eriastrum erterae</i> Lime Ridge eriastrum	PDPLM030F0	None	None	G1/S1	1B.1		No	Yes
<i>Eriastrum harwoodii</i> Harwood's eriastrum	PDPLM030B1	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriastrum hooveri</i> Hoover's eriastrum	PDPLM03070	Delisted	None	G3/S3	4.2		No	Yes
<i>Eriastrum luteum</i> yellow-flowered eriastrum	PDPLM03080	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

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<i>Eriastrum rosamondense</i> Rosamond eriastrum	PDPLM030G0	None	None	G1/S1	1B.1		No	Yes
<i>Eriastrum sparsiflorum</i> few-flowered eriastrum	PDPLM030B2	None	None	G3G4/S3?	4.3		Yes	No
<i>Eriastrum tracyi</i> Tracy's eriastrum	PDPLM030C0	None	Rare	G3Q/S3	3.2	USFS:S	No	Yes
<i>Eriastrum virgatum</i> virgate eriastrum	PDPLM030D0	None	None	G4/S4	4.3		No	No
<i>Ericameria albida</i> white-flowered rabbitbrush	PDAST2C010	None	None	G4/S3	4.2		No	No
<i>Ericameria cuneata</i> var. <i>macrocephala</i> Laguna Mountains goldenbush	PDAST3L062	None	None	G5T3/S3	1B.3		No	Yes
<i>Ericameria fasciculata</i> Eastwood's goldenbush	PDAST3L080	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Ericameria gilmanii</i> Gilman's goldenbush	PDAST3L0P0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Ericameria nana</i> dwarf goldenbush	PDAST3L0B0	None	None	G5/S4	4.3		No	No
<i>Ericameria ophitidis</i> serpentine goldenbush	PDAST3L0S0	None	None	G4/S4	4.3		No	No
<i>Ericameria palmeri</i> var. <i>palmeri</i> Palmer's goldenbush	PDAST3L0C1	None	None	G4T2T3/S1	1B.1	BLM:S	No	Yes
<i>Erigeron aequifolius</i> Hall's daisy	PDAST3M030	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Erigeron biolettii</i> streamside daisy	PDAST3M5H0	None	None	G3?/S3?	3		No	No
<i>Erigeron blochmaniae</i> Blochman's leafy daisy	PDAST3M5J0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Erigeron bloomeri</i> var. <i>nudatus</i> Waldo daisy	PDAST3M0M2	None	None	G5T4/S2?	2B.3		No	Yes
<i>Erigeron breweri</i> var. <i>jacinteus</i> San Jacinto Mountains daisy	PDAST3M0P3	None	None	G5T4/S4	4.3		Yes	No
<i>Erigeron calvus</i> bald daisy	PDAST3M5N0	None	None	G1Q/S1	1B.1	BLM:S	No	Yes
<i>Erigeron cervinus</i> Siskiyou daisy	PDAST3M0U0	None	None	G4/S4	4.3		No	No
<i>Erigeron compactus</i> compact daisy	PDAST3M5Z0	None	None	G3/S3	2B.3		No	Yes

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<i>Erigeron eatonii</i> var. <i>nevadincola</i> Nevada daisy	PDAST3M2U0	None	None	G5T4/S3	2B.3		No	Yes
<i>Erigeron elegantulus</i> volcanic daisy	PDAST3M190	None	None	G4/S4	4.3		No	No
<i>Erigeron greenei</i> Greene's narrow-leaved daisy	PDAST3M5G0	None	None	G2/S2	1B.2		No	Yes
<i>Erigeron inornatus</i> var. <i>calidipetris</i> hot rock daisy	PDAST3M1Z1	None	None	G5T4/S4	4.3		No	No
<i>Erigeron inornatus</i> var. <i>keilii</i> Keil's daisy	PDAST3M1Z2	None	None	G5T1/S1	1B.3		No	Yes
<i>Erigeron lassenianus</i> var. <i>deficiens</i> Plumas rayless daisy	PDAST3M262	None	None	G3G4T2T3/S2 S3	1B.3		No	Yes
<i>Erigeron maniopotamicus</i> Mad River fleabane daisy	PDASTE1050	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Erigeron mariposanus</i> Mariposa daisy	PDAST3M5L0	None	None	GH/SH	1A		No	Yes
<i>Erigeron miser</i> starved daisy	PDAST3M2K0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Erigeron multiceps</i> Kern River daisy	PDAST3M2N0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Erigeron nivalis</i> snow fleabane daisy	PDASTE1060	None	None	G4G5/S2S3	2B.3		No	Yes
<i>Erigeron oxyphyllus</i> wand-like fleabane daisy	PDAST3M2Z0	None	None	G2G4/S2	2B.3		No	Yes
<i>Erigeron parishii</i> Parish's daisy	PDAST3M310	Threatened	None	G2/S2	1B.1		Yes	Yes
<i>Erigeron petrophilus</i> var. <i>sierrensis</i> northern Sierra daisy	PDAST3M351	None	None	G4T4/S4	4.3		No	No
<i>Erigeron petrophilus</i> var. <i>viscidulus</i> Klamath rock daisy	PDAST3M352	None	None	G4T4/S4	4.3		No	No
<i>Erigeron robustior</i> robust daisy	PDAST3M134	None	None	G3/S3	4.3		No	No
<i>Erigeron sanctarum</i> saints' daisy	PDAST3M3R0	None	None	G3/S3	4.2		No	No
<i>Erigeron serpentinus</i> serpentine daisy	PDAST3M5M0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Erigeron supplex</i> supple daisy	PDAST3M3Z0	None	None	G2/S2	1B.2		No	Yes

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<i>Erigeron uncialis</i> var. <i>uncialis</i> limestone daisy	PDAST3M452	None	None	G3G4T2/S2	1B.2	USFS:S	No	Yes
<i>Erigeron utahensis</i> Utah daisy	PDAST3M480	None	None	G4/S2	2B.3		No	Yes
<i>Eriodictyon altissimum</i> Indian Knob mountainbalm	PDHYD04010	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Eriodictyon angustifolium</i> narrow-leaved yerba santa	PDHYD04020	None	None	G5/S2?	2B.3		No	Yes
<i>Eriodictyon capitatum</i> Lompoc yerba santa	PDHYD04040	Endangered	Rare	G2/S2	1B.2		No	Yes
<i>Eriogonum alexandrae</i> Alexander's buckwheat	PDPGN084C5	None	None	G2G3/S1	1B.1	BLM:S	No	Yes
<i>Eriogonum alpinum</i> Trinity buckwheat	PDPGN08060	None	Endangered	G3/S3	1B.2	USFS:S	No	Yes
<i>Eriogonum apricum</i> var. <i>apricum</i> lone buckwheat	PDPGN080F1	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Eriogonum apricum</i> var. <i>prostratum</i> Irish Hill buckwheat	PDPGN080F2	Endangered	Endangered	G2T1/S1	1B.1		No	Yes
<i>Eriogonum argillosum</i> clay buckwheat	PDPGN080J0	None	None	G3/S3	4.3		No	No
<i>Eriogonum baileyi</i> var. <i>praebens</i> Bailey's woolly buckwheat	PDPGN080M2	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum bifurcatum</i> forked buckwheat	PDPGN080R0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Eriogonum breedlovei</i> var. <i>breedlovei</i> Breedlove's buckwheat	PDPGN080V1	None	None	G3T2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum breedlovei</i> var. <i>shevockii</i> The Needles buckwheat	PDPGN080V2	None	None	G3T3/S3	4.3		No	Yes
<i>Eriogonum butterworthianum</i> Butterworth's buckwheat	PDPGN080X0	None	Rare	G2/S2	1B.3	USFS:S	No	Yes
<i>Eriogonum callistum</i> Tehachapi buckwheat	PDPGN08790	None	None	G1/S1	1B.1		Yes	Yes
<i>Eriogonum cedrorum</i> The Cedars buckwheat	PDPGN087A0	None	None	G1/S1	1B.3	BLM:S	Yes	Yes
<i>Eriogonum collinum</i> hill buckwheat	PDPGN08160	None	None	G4/S3	4.3		No	No
<i>Eriogonum congdonii</i> Congdon's buckwheat	PDPGN081A0	None	None	G4/S4	4.3		No	No

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<i>Eriogonum contiguum</i> Ash Meadows buckwheat	PDPGN081B0	None	None	G2/S2	2B.3	BLM:S	No	Yes
<i>Eriogonum crocatum</i> conejo buckwheat	PDPGN081G0	None	Rare	G1/S1	1B.2		Yes	Yes
<i>Eriogonum diclinum</i> Jaynes Canyon buckwheat	PDPGN081S0	None	None	G3/S2S3	1B.3		No	Yes
<i>Eriogonum eastwoodianum</i> Eastwood's buckwheat	PDPGN081V0	None	None	G2/S2	1B.3		No	Yes
<i>Eriogonum elegans</i> elegant wild buckwheat	PDPGN081Y0	None	None	G3/S3	4.3		No	No
<i>Eriogonum eremicola</i> Wildrose Canyon buckwheat	PDPGN08210	None	None	G1/S1	1B.3	BLM:S	No	Yes
<i>Eriogonum evanidum</i> vanishing wild buckwheat	PDPGN08780	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Eriogonum giganteum</i> var. <i>compactum</i> Santa Barbara Island buckwheat	PDPGN082A1	None	Rare	G2T2/S2	1B.3		No	Yes
<i>Eriogonum giganteum</i> var. <i>formosum</i> San Clemente Island buckwheat	PDPGN082A2	None	None	G3T3/S3	1B.2		Yes	Yes
<i>Eriogonum giganteum</i> var. <i>giganteum</i> Santa Catalina Island buckwheat	PDPGN082A3	None	None	G3T3/S3	4.3		Yes	No
<i>Eriogonum gilmanii</i> Gilman's buckwheat	PDPGN082B0	None	None	G3/S3	1B.3		No	Yes
<i>Eriogonum gossypinum</i> cottony buckwheat	PDPGN082E0	None	None	G3G4/S3S4	4.2		No	No
<i>Eriogonum grande</i> var. <i>grande</i> island buckwheat	PDPGN082J1	None	None	G4T4/S4	4.2		Yes	No
<i>Eriogonum grande</i> var. <i>rubescens</i> red-flowered buckwheat	PDPGN082J2	None	None	G4T3/S3	1B.2		No	Yes
<i>Eriogonum grande</i> var. <i>timorum</i> San Nicolas Island buckwheat	PDPGN082J3	None	Endangered	G4T1/S1	1B.1		No	Yes
<i>Eriogonum heermannii</i> var. <i>floccosum</i> Clark Mountain buckwheat	PDPGN082P3	None	None	G5T4/S4	4.3		Yes	No
<i>Eriogonum heermannii</i> var. <i>occidentale</i> western Heermann's buckwheat	PDPGN082P6	None	None	G5T3/S3	4.2		No	No
<i>Eriogonum heracleoides</i> var. <i>heracleoides</i> parsnip-flowered buckwheat	PDPGN082R2	None	None	G5T5/S3	4.3		No	No

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<i>Eriogonum hirtellum</i> Klamath Mountain buckwheat	PDPGN082T0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Eriogonum hoffmannii</i> var. <i>hoffmannii</i> Hoffmann's buckwheat	PDPGN082V1	None	None	G3T2/S2	1B.3	BLM:S	No	Yes
<i>Eriogonum hoffmannii</i> var. <i>robustius</i> robust Hoffmann's buckwheat	PDPGN082V2	None	None	G3T3/S3	1B.3		No	Yes
<i>Eriogonum intrafractum</i> jointed buckwheat	PDPGN08360	None	None	G3/S3	1B.3		No	Yes
<i>Eriogonum kelloggii</i> Kellogg's buckwheat	PDPGN083A0	Candidate	Endangered	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum kennedyi</i> var. <i>alpigenum</i> southern alpine buckwheat	PDPGN083B1	None	None	G4T3/S3	1B.3	USFS:S	No	Yes
<i>Eriogonum kennedyi</i> var. <i>austromontanum</i> southern mountain buckwheat	PDPGN083B2	Threatened	None	G4T2/S2	1B.2		Yes	Yes
<i>Eriogonum kennedyi</i> var. <i>pinicola</i> Kern buckwheat	PDPGN083B4	None	None	G4T1/S1	1B.1	BLM:S	No	Yes
<i>Eriogonum libertini</i> Dubakella Mountain buckwheat	PDPGN083M0	None	None	G4/S4	4.2		No	No
<i>Eriogonum luteolum</i> var. <i>caninum</i> Tiburon buckwheat	PDPGN083S1	None	None	G5T2/S2	1B.2		No	Yes
<i>Eriogonum luteolum</i> var. <i>saltuarium</i> Jack's wild buckwheat	PDPGN083S4	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Eriogonum mensicola</i> Pinyon Mesa buckwheat	PDPGN084H1	None	None	G2G3/S2	1B.3	BLM:S	No	Yes
<i>Eriogonum microthecum</i> var. <i>alpinum</i> northern limestone buckwheat	PDPGN083WA	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum microthecum</i> var. <i>johnstonii</i> Johnston's buckwheat	PDPGN083W5	None	None	G5T2/S2	1B.3	USFS:S	Yes	Yes
<i>Eriogonum microthecum</i> var. <i>lacusursi</i> Bear Lake buckwheat	PDPGN083WF	None	None	G5T1/S1	1B.1	USFS:S	Yes	Yes
<i>Eriogonum microthecum</i> var. <i>lapidicola</i> Inyo Mountains buckwheat	PDPGN083W6	None	None	G5T4/S3	4.3		No	No
<i>Eriogonum microthecum</i> var. <i>panamintense</i> Panamint Mountains buckwheat	PDPGN083W9	None	None	G5T3/S3	1B.3	BLM:S	No	Yes
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i> Schoolcraft's wild buckwheat	PDPGN083WG	None	None	G5T3/S3	1B.2	BLM:S USFS:S	No	Yes

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<i>Eriogonum nervulosum</i> Snow Mountain buckwheat	PDPGN08440	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Eriogonum nortonii</i> Pinnacles buckwheat	PDPGN08470	None	None	G2/S2	1B.3		No	Yes
<i>Eriogonum nudum var. decurrens</i> Ben Lomond buckwheat	PDPGN08492	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum nudum var. indictum</i> protruding buckwheat	PDPGN08494	None	None	G5T4/S4	4.2		No	No
<i>Eriogonum nudum var. murinum</i> mouse buckwheat	PDPGN08495	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum nudum var. paralinum</i> Del Norte buckwheat	PDPGN08498	None	None	G5T2T4/S2?	2B.2		No	Yes
<i>Eriogonum nudum var. psychicola</i> Antioch Dunes buckwheat	PDPGN0849Q	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum nudum var. regirivum</i> Kings River buckwheat	PDPGN0849F	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum nutans var. nutans</i> Dugway wild buckwheat	PDPGN084B2	None	None	G5T3T4/S3	2B.3		No	Yes
<i>Eriogonum ochrocephalum var. ochrocephalum</i> ochre-flowered buckwheat	PDPGN084C6	None	None	G5T4/S1	2B.2		No	Yes
<i>Eriogonum ovalifolium var. depressum</i> depressed wild buckwheat	PDPGN084FF	None	None	G5T4T5/S1	2B.1		No	Yes
<i>Eriogonum ovalifolium var. eximium</i> brown-margined buckwheat	PDPGN084FD	None	None	G5T3/S3?	4.3		No	No
<i>Eriogonum ovalifolium var. monarchense</i> Monarch buckwheat	PDPGN084FJ	None	None	G5T1/S1	1B.3	USFS:S	No	Yes
<i>Eriogonum ovalifolium var. vineum</i> Cushenbury buckwheat	PDPGN084F8	Endangered	None	G5T1/S1	1B.1		Yes	Yes
<i>Eriogonum pendulum</i> Waldo wild buckwheat	PDPGN084Q0	None	None	G4/S3	2B.2		No	Yes
<i>Eriogonum polypodium</i> Tulare County buckwheat	PDPGN084U0	None	None	G3/S3	4.3		No	No
<i>Eriogonum prattenianum var. avium</i> Kettle Dome buckwheat	PDPGN084V1	None	None	G4T3/S3	4.2		No	No
<i>Eriogonum prociduum</i> prostrate buckwheat	PDPGN084W0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Eriogonum pyrolifolium var. pyrolifolium</i> pyrola-leaved buckwheat	PDPGN084Z2	None	None	G4T4/S3	2B.3		No	Yes

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<i>Eriogonum shockleyi</i> var. <i>shockleyi</i> Shockley's buckwheat	PDPGN085E0	None	None	G5/S3	4.3		No	No
<i>Eriogonum siskiyouense</i> Siskiyou buckwheat	PDPGN085F0	None	None	G3/S3	4.3		No	No
<i>Eriogonum spectabile</i> Barron's buckwheat	PDPGN08750	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Eriogonum spergulinum</i> var. <i>pratense</i> mountain meadow wild buckwheat	PDPGN085J1	None	None	G4T3/S3	4.3		No	No
<i>Eriogonum strictum</i> var. <i>greenei</i> Greene's buckwheat	PDPGN085L3	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum temblorense</i> Temblor buckwheat	PDPGN085P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum ternatum</i> ternate buckwheat	PDPGN085R0	None	None	G4/S4	4.3		No	No
<i>Eriogonum thornei</i> Thorne's buckwheat	PDPGN08233	None	Endangered	G1/S1	1B.2	BLM:S	No	Yes
<i>Eriogonum tripodum</i> tripod buckwheat	PDPGN085Y0	None	None	G4/S4	4.2	USFS:S	No	No
<i>Eriogonum truncatum</i> Mt. Diablo buckwheat	PDPGN085Z0	None	None	G2/S2	1B.1		No	Yes
<i>Eriogonum twisselmannii</i> Twisselmann's buckwheat	PDPGN08610	None	Rare	G3/S3	1B.2	USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>ahartii</i> Ahart's buckwheat	PDPGN086UY	None	None	G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>bahiiforme</i> bay buckwheat	PDPGN086UB	None	None	G5T3/S3	4.2		No	No
<i>Eriogonum umbellatum</i> var. <i>glaberrimum</i> Warner Mountains buckwheat	PDPGN086U2	None	None	G5T2?/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>humistratum</i> Mt. Eddy buckwheat	PDPGN086U4	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum umbellatum</i> var. <i>juniporinum</i> juniper sulphur-flowered buckwheat	PDPGN086U6	None	None	G5T3?/S1S2	2B.3		Yes	Yes
<i>Eriogonum umbellatum</i> var. <i>lautum</i> Scott Valley buckwheat	PDPGN086UX	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum umbellatum</i> var. <i>minus</i> alpine sulphur-flowered buckwheat	PDPGN086U7	None	None	G5T4/S4	4.3		Yes	No

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<i>Eriogonum umbellatum</i> var. <i>torreyanum</i> Donner Pass buckwheat	PDPGN086U9	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum ursinum</i> var. <i>erubescens</i> blushing wild buckwheat	PDPGN08632	None	None	G3G4T2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Eriogonum vestitum</i> Idria buckwheat	PDPGN08640	None	None	G3Q/S3	4.3		No	No
<i>Eriogonum wrightii</i> var. <i>olanchense</i> Olancho Peak buckwheat	PDPGN086D3	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Erioneuron pilosum</i> hairy erioneuron	PMPOA2S020	None	None	G5/S2S3	2B.3		No	Yes
<i>Eriophorum gracile</i> slender cottongrass	PMCYP0A080	None	None	G5/S4	4.3		No	No
<i>Eriophyllum confertiflorum</i> var. <i>tanacetiflorum</i> tansy-flowered woolly sunflower	PDAST3N0D0	None	None	G5T3Q/S3	4.3		No	No
<i>Eriophyllum congdonii</i> Congdon's woolly sunflower	PDAST3N030	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Eriophyllum jepsonii</i> Jepson's woolly sunflower	PDAST3N040	None	None	G3/S3	4.3		No	No
<i>Eriophyllum lanatum</i> var. <i>hallii</i> Fort Tejon woolly sunflower	PDAST3N058	None	None	G5T1/S1	1B.1	USFS:S	No	Yes
<i>Eriophyllum lanatum</i> var. <i>obovatum</i> southern Sierra woolly sunflower	PDAST3N05D	None	None	G5T4/S4	4.3		Yes	No
<i>Eriophyllum latilobum</i> San Mateo woolly sunflower	PDAST3N060	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Eriophyllum mohavense</i> Barstow woolly sunflower	PDAST3N070	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriophyllum nubigenum</i> Yosemite woolly sunflower	PDAST3N0A0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Eryngium aristulatum</i> var. <i>hooveri</i> Hoover's button-celery	PDAPI0Z043	None	None	G5T1/S1	1B.1		Yes	Yes
<i>Eryngium aristulatum</i> var. <i>parishii</i> San Diego button-celery	PDAPI0Z042	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Eryngium constancei</i> Loch Lomond button-celery	PDAPI0Z0W0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Eryngium pendletonense</i> Pendleton button-celery	PDAPI0Z120	None	None	G1/S1	1B.1		No	Yes
<i>Eryngium pinnatisectum</i> Tuolumne button-celery	PDAPI0Z0P0	None	None	G2/S2	1B.2		No	Yes

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<i>Eryngium racemosum</i> Delta button-celery	PDAPI0Z0S0	None	Endangered	G1Q/S1	1B.1		No	Yes
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	PDAPI0Z0Y0	None	None	G2/S2	1B.2		No	Yes
<i>Erysimum ammophilum</i> sand-loving wallflower	PDBRA16010	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Erysimum capitatum</i> var. <i>angustatum</i> Contra Costa wallflower	PDBRA16052	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Erysimum capitatum</i> var. <i>lompopense</i> San Luis Obispo wallflower	PDBRA16057	None	None	G5T3/S3	4.2		No	No
<i>Erysimum concinnum</i> bluff wallflower	PDBRA160E3	None	None	G3/S3	1B.2		No	Yes
<i>Erysimum franciscanum</i> San Francisco wallflower	PDBRA160A0	None	None	G3/S3	4.2		No	No
<i>Erysimum insulare</i> island wallflower	PDBRA160D1	None	None	G3/S3	1B.3		Yes	Yes
<i>Erysimum menziesii</i> Menzies' wallflower	PDBRA160R0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Erysimum suffrutescens</i> suffrutescent wallflower	PDBRA160D2	None	None	G3/S3	4.2		Yes	No
<i>Erysimum teretifolium</i> Santa Cruz wallflower	PDBRA160N0	Endangered	Endangered	G2/S2	1B.1		No	Yes
<i>Erythranthe calcicola</i> limestone monkeyflower	PDPHR01010	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Erythranthe carsonensis</i> Carson Valley monkeyflower	PDPHR01020	None	None	G1/S1	1B.1		No	Yes
<i>Erythranthe hardhamiae</i> Santa Lucia monkeyflower	PDPHR01030	None	None	G1/S1	1B.1		No	Yes
<i>Erythranthe rhodopetra</i> Red Rock Canyon monkeyflower	PDPHR01040	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Erythranthe sierrae</i> Sierra Nevada monkeyflower	PDPHR01060	None	None	G3/S3	4.2		No	No
<i>Erythranthe taylorii</i> Shasta limestone monkeyflower	PDPHR01080	None	None	G1G2/S1S2	1B.1		No	Yes
<i>Erythranthe trinitiensis</i> pink-margined monkeyflower	PDPHR01070	None	None	G2/S2	1B.3		No	Yes
<i>Erythronium citrinum</i> var. <i>citrinum</i> lemon-colored fawn lily	PMLIL0U041	None	None	G4T4/S3	4.3		No	No

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<i>Erythronium citrinum</i> var. <i>roderickii</i> Scott Mountains fawn lily	PMLIL0U042	None	None	G4T3/S3	1B.3	BLM:S	No	Yes
<i>Erythronium helenae</i> St. Helena fawn lily	PMLIL0U060	None	None	G3/S3	4.2		No	No
<i>Erythronium hendersonii</i> Henderson's fawn lily	PMLIL0U070	None	None	G4/S2	2B.3	USFS:S	No	Yes
<i>Erythronium howellii</i> Howell's fawn lily	PMLIL0U080	None	None	G3G4/S2	1B.3		No	Yes
<i>Erythronium klamathense</i> Klamath fawn lily	PMLIL0U090	None	None	G4/S2	2B.2		No	Yes
<i>Erythronium oregonum</i> giant fawn lily	PMLIL0U0C0	None	None	G5/S2	2B.2		No	Yes
<i>Erythronium pluriflorum</i> Shuteye Peak fawn lily	PMLIL0U0Q0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Erythronium pusaterii</i> Kaweah fawn lily	PMLIL0U0R0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Erythronium revolutum</i> coast fawn lily	PMLIL0U0F0	None	None	G4/S2S3	2B.2		No	Yes
<i>Erythronium taylorii</i> Pilot Ridge fawn lily	PMLIL0U0S0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Erythronium tuolumnense</i> Tuolumne fawn lily	PMLIL0U0H0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Eschscholzia hypecoides</i> San Benito poppy	PDPAP0A060	None	None	G4/S4	4.3		No	No
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i> Tejon poppy	PDPAP0A071	None	None	G5T2/S2	1B.1		No	Yes
<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i> Red Rock poppy	PDPAP0A093	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Eschscholzia procera</i> Kernville poppy	PDPAP0A0B0	None	None	G1G2Q/S1S2	3		Yes	No
<i>Eschscholzia ramosa</i> island poppy	PDPAP0A0C0	None	None	G4/S4	4.3		Yes	No
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	PDPAP0A0D0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Eucephalus vialis</i> wayside aster	PDASTEC0A0	None	None	G3/S1	1B.2	USFS:S	No	Yes
<i>Eucnide rupestris</i> annual rock-nettle	PDLOA02020	None	None	G3/S1	2B.2		No	Yes

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<i>Euphorbia abramsiana</i> Abrams' spurge	PDEUP0D010	None	None	G4/S2	2B.2		Yes	Yes
<i>Euphorbia arizonica</i> Arizona spurge	PDEUP0D060	None	None	G5/S2	2B.3		No	Yes
<i>Euphorbia exstipulata</i> var. <i>exstipulata</i> Clark Mountain spurge	PDEUP0Q0P1	None	None	G5T5?/S2	2B.1		Yes	Yes
<i>Euphorbia hooveri</i> Hoover's spurge	PDEUP0D150	Threatened	None	G2/S2	1B.2		No	Yes
<i>Euphorbia jaegeri</i> Orocopia Mountains spurge	PDEUP0Q440	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Euphorbia misera</i> cliff spurge	PDEUP0Q1B0	None	None	G5/S2	2B.2		Yes	Yes
<i>Euphorbia ocellata</i> ssp. <i>rattanii</i> Stony Creek spurge	PDEUP0D1P1	None	None	G4T1T2/S1S2	1B.2	BLM:S	No	Yes
<i>Euphorbia parryi</i> Parry's spurge	PDEUP0D1T0	None	None	G5/S1	2B.3		No	Yes
<i>Euphorbia platysperma</i> flat-seeded spurge	PDEUP0D1X0	None	None	G3/S1	1B.2	BLM:S	No	Yes
<i>Euphorbia revoluta</i> revolute spurge	PDEUP0D230	None	None	G5/S4	4.3		Yes	No
<i>Euphorbia vallis-mortae</i> Death Valley sandmat	PDEUP0D2G0	None	None	G3/S3	4.2		No	No
<i>Euphrosyne acerosa</i> copperwort	PDAST58010	None	None	G5/S3	4.2		No	No
<i>Euphrosyne nevadensis</i> Nevada wormwood	PDAST580D0	None	None	G4/S3	4.3		No	No
<i>Eurybia merita</i> subalpine aster	PDASTEB030	None	None	G5/S1	2B.3		No	Yes
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Fendlerella utahensis</i> yerba desierto	PDHDR08010	None	None	G5/S4	4.3		Yes	No
<i>Ferocactus viridescens</i> San Diego barrel cactus	PDCAC08060	None	None	G3/S3	2B.1		Yes	Yes
<i>Festuca minutiflora</i> small-flowered fescue	PMPOA2V1M0	None	None	G5/S2	2B.3		No	Yes
<i>Fimbristylis thermalis</i> hot springs fimbristylis	PMCYP0B0N0	None	None	G4/S2	2B.2		No	Yes

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<i>Frangula purshiana</i> ssp. <i>ultramafica</i> Caribou coffeeberry	PDRHA0H061	None	None	G4T2/S2	1B.2	USFS:S	No	Yes
<i>Frankenia palmeri</i> Palmer's frankenia	PDFRA01040	None	None	G3G4/S1	2B.1		No	Yes
<i>Frasera albomarginata</i> var. <i>albomarginata</i> desert green-gentian	PDGEN05021	None	None	G5T5/S3	2B.2		No	Yes
<i>Frasera albomarginata</i> var. <i>induta</i> Clark Mountain green-gentian	PDGEN05022	None	None	G5T2/S1	1B.2		No	Yes
<i>Frasera neglecta</i> pine green-gentian	PDGEN05080	None	None	G4/S4	4.3		Yes	No
<i>Frasera umpquaensis</i> Umpqua green-gentian	PDGEN050F0	None	None	G3Q/S1	2B.2	USFS:S	No	Yes
<i>Fraxinus parryi</i> chaparral ash	PDOLE040K0	None	None	G3?/S1	2B.2		No	Yes
<i>Fremontodendron decumbens</i> Pine Hill flannelbush	PDSTE03030	Endangered	Rare	G1/S1	1B.2		Yes	Yes
<i>Fremontodendron mexicanum</i> Mexican flannelbush	PDSTE03020	Endangered	Rare	G1/S1	1B.1		Yes	Yes
<i>Fritillaria agrestis</i> stinkbells	PMLIL0V010	None	None	G3/S3	4.2		No	Yes
<i>Fritillaria biflora</i> var. <i>ineziana</i> Hillsborough chocolate lily	PMLIL0V031	None	None	G1QT1Q/S1	1B.1		No	Yes
<i>Fritillaria brandegeei</i> Greenhorn fritillary	PMLIL0V040	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Fritillaria eastwoodiae</i> Butte County fritillary	PMLIL0V060	None	None	G3Q/S3	3.2	USFS:S	No	Yes
<i>Fritillaria falcata</i> talus fritillary	PMLIL0V070	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Fritillaria gentneri</i> Gentner's fritillary	PMLIL0V080	Endangered	None	G1/S1	1B.1		No	Yes
<i>Fritillaria glauca</i> Siskiyou fritillaria	PMLIL0V090	None	None	G3G4/S3	4.2		No	No
<i>Fritillaria lanceolata</i> var. <i>tristulis</i> Marin checker lily	PMLIL0V0P1	None	None	G5T2/S2	1B.1		No	Yes
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Fritillaria ojaiensis</i> Ojai fritillary	PMLIL0V0N0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

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<i>Fritillaria pinetorum</i> pine fritillary	PMLILOV0E0	None	None	G4/S4	4.3		Yes	No
<i>Fritillaria pluriflora</i> adobe-lily	PMLILOV0F0	None	None	G3/S3	1B.2	BLM:S	Yes	Yes
<i>Fritillaria purdyi</i> Purdy's fritillary	PMLILOV0H0	None	None	G4/S4	4.3		No	No
<i>Fritillaria roderickii</i> Roderick's fritillary	PMLILOV0M0	None	Endangered	G1Q/S1	1B.1		Yes	Yes
<i>Fritillaria striata</i> striped adobe-lily	PMLILOV0K0	None	Threatened	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Fritillaria viridea</i> San Benito fritillary	PMLILOV0L0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Funastrum utahense</i> Utah vine milkweed	PDASC050M0	None	None	G4/S4	4.2		No	No
<i>Galium andrewsii ssp. gatense</i> serpentine phlox-leaf bedstraw	PDRUB0N032	None	None	G5T3/S3	4.2		No	No
<i>Galium angustifolium ssp. borregoense</i> Borrego bedstraw	PDRUB0N042	None	Rare	G5T3/S3	1B.3		No	Yes
<i>Galium angustifolium ssp. gabrielense</i> San Antonio Canyon bedstraw	PDRUB0N044	None	None	G5T3/S3	4.3		No	No
<i>Galium angustifolium ssp. gracillimum</i> slender bedstraw	PDRUB0N04B	None	None	G5T4/S4	4.2		No	No
<i>Galium angustifolium ssp. jacinticum</i> San Jacinto Mountains bedstraw	PDRUB0N04C	None	None	G5T2T3/S2S3	1B.3	USFS:S	No	Yes
<i>Galium angustifolium ssp. onycense</i> Onyx Peak bedstraw	PDRUB0N048	None	None	G5T3/S3	1B.3	BLM:S	No	Yes
<i>Galium buxifolium</i> box bedstraw	PDRUB0N0D0	Endangered	Rare	G1/S1	1B.2		Yes	Yes
<i>Galium californicum ssp. luciense</i> Cone Peak bedstraw	PDRUB0N0E3	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Galium californicum ssp. miguelense</i> San Miguel Island bedstraw	PDRUB0N0E5	None	None	G5T3/S3	4.2		No	No
<i>Galium californicum ssp. primum</i> Alvin Meadow bedstraw	PDRUB0N0E6	None	None	G5T1Q/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Galium californicum ssp. sierrae</i> El Dorado bedstraw	PDRUB0N0E7	Endangered	Rare	G5T1/S1	1B.2		Yes	Yes
<i>Galium catalinense ssp. acrispum</i> San Clemente Island bedstraw	PDRUB0N0F1	None	Endangered	G4T2/S2	1B.2		Yes	Yes

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<i>Galium catalinense ssp. catalinense</i> Santa Catalina Island bedstraw	PDRUB0N0F2	None	None	G4T2T3/S2S3	1B.2		Yes	Yes
<i>Galium clementis</i> Santa Lucia bedstraw	PDRUB0N0H0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Galium cliftonsmithii</i> Santa Barbara bedstraw	PDRUB0N0J0	None	None	G4/S4	4.3		No	No
<i>Galium glabrescens ssp. modocense</i> Modoc bedstraw	PDRUB0N0T2	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Galium grande</i> San Gabriel bedstraw	PDRUB0N0V0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Galium hardhamiae</i> Hardham's bedstraw	PDRUB0N0Y0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Galium hilendiae ssp. carneum</i> Panamint Mountains bedstraw	PDRUB0N0Z1	None	None	G4T3/S3	1B.3		No	Yes
<i>Galium hilendiae ssp. kingstonense</i> Kingston Mountains bedstraw	PDRUB0N0Z3	None	None	G4T2/S2	1B.3	BLM:S	Yes	Yes
<i>Galium hypotrachium ssp. tomentellum</i> Telescope Peak bedstraw	PDRUB0N126	None	None	G5T1/S1	1B.3		No	Yes
<i>Galium jepsonii</i> Jepson's bedstraw	PDRUB0N130	None	None	G3/S3	4.3		No	No
<i>Galium johnstonii</i> Johnston's bedstraw	PDRUB0N140	None	None	G4/S4	4.3		No	No
<i>Galium munzii</i> Munz's bedstraw	PDRUB0N1G0	None	None	G4G5/S4	4.3		No	No
<i>Galium nuttallii ssp. insulare</i> Nuttall's island bedstraw	PDRUB0N1K1	None	None	G5?T4/S4	4.3		No	No
<i>Galium oreganum</i> Oregon bedstraw	PDRUB0N1N0	None	None	G4/S2S3	3		No	No
<i>Galium proliferum</i> desert bedstraw	PDRUB0N1V0	None	None	G5/S2	2B.2		No	Yes
<i>Galium serpenticum ssp. scotticum</i> Scott Mountain bedstraw	PDRUB0N1Y6	None	None	G4G5T2/S2	1B.2	BLM:S	No	Yes
<i>Galium serpenticum ssp. warnerense</i> Warner Mountains bedstraw	PDRUB0N1Y8	None	None	G4G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Galium wrightii</i> Wright's bedstraw	PDRUB0N2F0	None	None	G3G4/S2	2B.3		No	Yes
<i>Gambelia speciosa</i> showy island snapdragon	PDSCR2H010	None	None	G3/S3	1B.2		Yes	Yes

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<i>Gentiana affinis</i> var. <i>parvidentata</i> small-toothed prairie gentian	PDGEN06013	None	None	G5T3?Q/SNR	3		No	No
<i>Gentiana fremontii</i> Fremont's gentian	PDGEN060Y0	None	None	G4/S2	2B.3	USFS:S	No	Yes
<i>Gentiana plurisetosa</i> Klamath gentian	PDGEN060V0	None	None	G2G3/S2	1B.3		No	Yes
<i>Gentiana prostrata</i> pygmy gentian	PDGEN060M0	None	None	G4G5/S1	2B.3		No	Yes
<i>Gentiana setigera</i> Mendocino gentian	PDGEN060S0	None	None	G2/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Geraea viscida</i> sticky geraea	PDAST42020	None	None	G3/S3	2B.3		No	Yes
<i>Geum aleppicum</i> Aleppo avens	PDROS0S010	None	None	G5/S2	2B.2		No	Yes
<i>Gilia capitata</i> ssp. <i>chamissonis</i> blue coast gilia	PDPLM040B3	None	None	G5T2/S2	1B.1		No	Yes
<i>Gilia capitata</i> ssp. <i>pacifica</i> Pacific gilia	PDPLM040B6	None	None	G5T3T4/S2	1B.2		No	Yes
<i>Gilia capitata</i> ssp. <i>tomentosa</i> woolly-headed gilia	PDPLM040B9	None	None	G5T2/S2	1B.1		No	Yes
<i>Gilia interior</i> inland gilia	PDPLM040Q0	None	None	G4/S4	4.3		No	No
<i>Gilia latiflora</i> ssp. <i>cuyamensis</i> Cuyama gilia	PDPLM040T2	None	None	G5?T4/S4	4.3		No	No
<i>Gilia leptantha</i> ssp. <i>leptantha</i> San Bernardino gilia	PDPLM040W1	None	None	G4T2/S2	1B.3	USFS:S	Yes	Yes
<i>Gilia leptantha</i> ssp. <i>pinetorum</i> pine gilia	PDPLM040W2	None	None	G4T4/S4	4.3		No	No
<i>Gilia mexicana</i> El Paso gilia	PDPLM04110	None	None	G4/S1	2B.3		No	Yes
<i>Gilia millefoliata</i> dark-eyed gilia	PDPLM04130	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Gilia nevinii</i> Nevin's gilia	PDPLM04160	None	None	G4/S4	4.3		Yes	No
<i>Gilia tenuiflora</i> ssp. <i>amplifaucalis</i> trumpet-throated gilia	PDPLM041P4	None	None	G3G4T3/S3	4.3		No	No
<i>Gilia tenuiflora</i> ssp. <i>arenaria</i> Monterey gilia	PDPLM041P2	Endangered	Threatened	G3G4T2/S2	1B.2		Yes	Yes

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<i>Gilia tenuiflora ssp. hoffmannii</i> Hoffmann's slender-flowered gilia	PDPLM041P3	Endangered	None	G3G4T1/S1	1B.1		Yes	Yes
<i>Gilia yorkii</i> Monarch gilia	PDPLM04230	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Gilmania luteola</i> golden-carpet gilmania	PDPGN0A010	None	None	G2/S2	1B.3		No	Yes
<i>Githopsis diffusa ssp. filicaulis</i> Mission Canyon bluecup	PDCAM07023	None	None	G5T2T3/S1	3.1	USFS:S	No	Yes
<i>Githopsis pulchella ssp. serpentinicola</i> serpentine bluecup	PDCAM07053	None	None	G4T3/S3	4.3		No	No
<i>Githopsis tenella</i> delicate bluecup	PDCAM07070	None	None	G2/S2	1B.3		No	Yes
<i>Glehnia littoralis ssp. leiocarpa</i> American glehnia	PDAP113011	None	None	G5T5/S3.2	4.2		No	No
<i>Glossopetalon pungens</i> pungent glossopetalon	PDCRO04020	None	None	G2G3/S1	1B.2	BLM:S	No	Yes
<i>Glyceria grandis</i> American manna grass	PMPOA2Y080	None	None	G5/S2	2B.3		No	Yes
<i>Goodmania luteola</i> golden goodmania	PDPGN0B010	None	None	G3/S3	4.2		No	No
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	G2/S2	1B.2	BLM:S	No	Yes
<i>Grindelia fraxinipratensis</i> Ash Meadows gumplant	PDAST47080	Threatened	None	G2/S1	1B.2		Yes	Yes
<i>Grindelia hallii</i> San Diego gumplant	PDAST470D4	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Grindelia hirsutula var. maritima</i> San Francisco gumplant	PDAST470D3	None	None	G5T1Q/S1	3.2		No	Yes
<i>Grusonia parishii</i> Parish's club-cholla	PDCAC0D2H0	None	None	G3G4/S2?	2B.2		No	Yes
<i>Grusonia pulchella</i> beautiful cholla	PDCAC0D120	None	None	G4/S2S3	2B.2		No	Yes
<i>Hackelia amethystina</i> amethyst stickseed	PDBOR0G010	None	None	G4/S4	4.3		No	No
<i>Hackelia brevicula</i> Poison Canyon stickseed	PDBOR0G040	None	None	G3/S3	3.3		No	Yes
<i>Hackelia cusickii</i> Cusick's stickseed	PDBOR0G090	None	None	G4/S3	4.3		No	No

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<i>Hackelia sharsmithii</i> Sharsmith's stickseed	PDBOR0G0Q0	None	None	G2G3/S2S3	2B.3		No	Yes
<i>Harmonia doris-nilesiae</i> Niles' harmonia	PDAST650L0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Harmonia guggolziorum</i> Guggolz's harmonia	PDAST650M0	None	None	G1/S1	1B.1		No	Yes
<i>Harmonia hallii</i> Hall's harmonia	PDAST650A0	None	None	G2/S2?	1B.2	BLM:S	Yes	Yes
<i>Harmonia nutans</i> nodding harmonia	PDAST650D0	None	None	G3/S3	4.3		No	No
<i>Harmonia stebbinsii</i> Stebbins' harmonia	PDAST650K0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Harpagonella palmeri</i> Palmer's grapplinghook	PDBOR0H010	None	None	G4/S3	4.2		Yes	Yes
<i>Hazardia cana</i> San Clemente Island hazardia	PDAST4H020	None	None	G2/S2	1B.2		No	Yes
<i>Hazardia detonsa</i> northern islands hazardia	PDAST4H030	None	None	G4/S4	4.3		Yes	No
<i>Hazardia orcuttii</i> Orcutt's hazardia	PDAST4H070	None	Threatened	G1/S1	1B.1		Yes	Yes
<i>Hecastocleis shockleyi</i> prickle-leaf	PDAST4J010	None	None	G4/S3S4	3		No	No
<i>Hedeoma drummondii</i> Drummond's false pennyroyal	PDLAM0M060	None	None	G5/S1	2B.2		No	Yes
<i>Hedeoma nana ssp. californica</i> California mock pennyroyal	PDLAM0M0S1	None	None	G5T4/S4	4.3		Yes	No
<i>Helianthella castanea</i> Diablo helianthella	PDAST4M020	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Helianthus exilis</i> serpentine sunflower	PDAST4N1J0	None	None	G3Q/S3	4.2		Yes	No
<i>Helianthus inexpectatus</i> Newhall sunflower	PDAST4N250	None	None	G1/S1	1B.1		Yes	Yes
<i>Helianthus niveus ssp. tephrodes</i> Algodones Dunes sunflower	PDAST4N0Z2	None	Endangered	G4T2T3/S2	1B.2	BLM:S	Yes	Yes
<i>Helianthus nuttallii ssp. parishii</i> Los Angeles sunflower	PDAST4N102	None	None	G5TH/SH	1A		No	Yes
<i>Helianthus winteri</i> Winter's sunflower	PDAST4N260	None	None	G1G2/S1S2	1B.2		No	Yes

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<i>Hemieva ranunculifolia</i> buttercup-leaf suksdorfia	PDSAX0W010	None	None	G5/S2	2B.2		No	Yes
<i>Hemizonia congesta ssp. calyculata</i> Mendocino tarplant	PDAST4R063	None	None	G5T3/S3	4.3		No	No
<i>Hemizonia congesta ssp. congesta</i> white seaside tarplant	PDAST4R065	None	None	G5T2T3/S2S3	1B.2		No	Yes
<i>Hemizonia congesta ssp. tracyi</i> Tracy's tarplant	PDAST4R067	None	None	G5T4/S4	4.3		No	No
<i>Herissantia crispa</i> curly herissantia	PDMAL0F010	None	None	G5/S2	2B.3		No	Yes
<i>Hesperevax caulescens</i> hogwallow starfish	PDASTE5020	None	None	G3/S3	4.2		No	No
<i>Hesperevax sparsiflora var. brevifolia</i> short-leaved evax	PDASTE5011	None	None	G4T2T3/S2S3	1B.2	BLM:S	No	Yes
<i>Hesperidanthus jaegeri</i> Jaeger's hesperidanthus	PDBRA0N010	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Hesperocyparis abramsiana var. abramsiana</i> Santa Cruz cypress	PGCUP04081	Endangered	Endangered	G1T1/S1	1B.2		No	Yes
<i>Hesperocyparis abramsiana var. butanoensis</i> Butano Ridge cypress	PGCUP04082	Endangered	Endangered	G1T1/S1	1B.2		No	Yes
<i>Hesperocyparis bakeri</i> Baker cypress	PGCUP04020	None	None	G4/S4	4.2		Yes	No
<i>Hesperocyparis forbesii</i> Tecate cypress	PGCUP040C0	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Hesperocyparis goveniana</i> Gowen cypress	PGCUP04031	Threatened	None	G1/S1	1B.2		Yes	Yes
<i>Hesperocyparis macrocarpa</i> Monterey cypress	PGCUP04060	None	None	G1/S1	1B.2		Yes	Yes
<i>Hesperocyparis nevadensis</i> Piute cypress	PGCUP04012	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Hesperocyparis pygmaea</i> pygmy cypress	PGCUP04032	None	None	G2/S2	1B.2		Yes	Yes
<i>Hesperocyparis stephensonii</i> Cuyamaca cypress	PGCUP040B0	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Hesperolinon adenophyllum</i> glandular western flax	PDLIN01010	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Hesperolinon bicarpellatum</i> two-carpellate western flax	PDLIN01020	None	None	G3/S3	1B.2		No	Yes

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<i>Hesperolinon breweri</i> Brewer's western flax	PDLIN01030	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Hesperolinon congestum</i> Marin western flax	PDLIN01060	Threatened	Threatened	G2/S2	1B.1		Yes	Yes
<i>Hesperolinon didymocarpum</i> Lake County western flax	PDLIN01070	None	Endangered	G1/S1	1B.2	BLM:S	No	Yes
<i>Hesperolinon drymarioides</i> drymaria-like western flax	PDLIN01090	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Hesperolinon sharsmithiae</i> Sharsmith's western flax	PDLIN010E0	None	None	G2Q/S2	1B.2	BLM:S	No	Yes
<i>Hesperolinon tehamense</i> Tehama County western flax	PDLIN010C0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Heteranthera dubia</i> water star-grass	PMPON03010	None	None	G5/S1	2B.2		No	Yes
<i>Heterotheca monarchensis</i> Monarch golden-aster	PDAST4V0U0	None	None	G1/S2	1B.3	USFS:S	No	Yes
<i>Heterotheca sessiliflora ssp. sessiliflora</i> beach goldenaster	PDAST4V0K2	None	None	G4T2T3/S1	1B.1		Yes	Yes
<i>Heterotheca shevockii</i> Shevock's golden-aster	PDAST4V0T0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Heuchera abramsii</i> Abrams' alumroot	PDSAX0E010	None	None	G4/S4	4.3	USFS:S	Yes	No
<i>Heuchera brevistaminea</i> Laguna Mountains alumroot	PDSAX0E050	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Heuchera caespitosa</i> urn-flowered alumroot	PDSAX0E0C0	None	None	G3/S3	4.3	USFS:S	Yes	No
<i>Heuchera hirsutissima</i> shaggy-haired alumroot	PDSAX0E0J0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Heuchera maxima</i> island alumroot	PDSAX0E0M0	None	None	G3/S3	1B.2		Yes	Yes
<i>Heuchera parishii</i> Parish's alumroot	PDSAX0E0S0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Heuchera rubescens var. versicolor</i> San Diego County alumroot	PDSAX0E106	None	None	G5T4/S2	3.3		No	Yes
<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	PDMAL0H0R3	None	None	G5T2/S2	1B.2		Yes	Yes
<i>Hoita strobilina</i> Loma Prieta hoita	PDFAB5Z030	None	None	G2/S2	1B.1		No	Yes

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<i>Holmgrenanthe petrophila</i> rock lady	PDSCR2J010	None	Rare	G1/S1	1B.2		No	Yes
<i>Holocarpha macradenia</i> Santa Cruz tarplant	PDAST4X020	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Holocarpha virgata ssp. elongata</i> curving tarplant	PDAST4X041	None	None	G5T3/S3	4.2		No	No
<i>Hordeum intercedens</i> vernal barley	PMPOA380E0	None	None	G3G4/S3S4	3.2		Yes	No
<i>Horkelia bolanderi</i> Bolander's horkelia	PDROS0W010	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Horkelia congesta ssp. nemorosa</i> Josephine horkelia	PDROS0W032	None	None	G4T4?/S1	2B.1		No	Yes
<i>Horkelia cuneata var. puberula</i> mesa horkelia	PDROS0W045	None	None	G4T1/S1	1B.1	USFS:S	No	Yes
<i>Horkelia cuneata var. sericea</i> Kellogg's horkelia	PDROS0W043	None	None	G4T2/S2?	1B.1	USFS:S	No	Yes
<i>Horkelia daucifolia var. indicta</i> Jepson's horkelia	PDROS0W053	None	None	G4T1/S1	1B.1		No	Yes
<i>Horkelia hendersonii</i> Henderson's horkelia	PDROS0W090	None	None	G1G2/S1	1B.1	BLM:S USFS:S	Yes	Yes
<i>Horkelia hispidula</i> White Mountains horkelia	PDROS0W0A0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Horkelia marinensis</i> Point Reyes horkelia	PDROS0W0B0	None	None	G2/S2	1B.2		No	Yes
<i>Horkelia parryi</i> Parry's horkelia	PDROS0W0C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Horkelia sericata</i> Howell's horkelia	PDROS0W0D0	None	None	G4/S3	4.3		No	No
<i>Horkelia tenuiloba</i> thin-lobed horkelia	PDROS0W0E0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Horkelia truncata</i> Ramona horkelia	PDROS0W0G0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Horkelia tularensis</i> Kern Plateau horkelia	PDROS0W0H0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Horkelia wilderae</i> Barton Flats horkelia	PDROS0W0J0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Horkelia yadonii</i> Santa Lucia horkelia	PDROS0W0K0	None	None	G3/S3	4.2	USFS:S	No	No

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<i>Horsfordia alata</i> pink velvet-mallow	PDMAL0J010	None	None	G5/S4	4.3		Yes	No
<i>Horsfordia newberryi</i> Newberry's velvet-mallow	PDMAL0J020	None	None	G5/S4	4.3		No	No
<i>Hosackia crassifolia</i> var. <i>otayensis</i> Otay Mountain lotus	PDFAB2A092	None	None	G5T1/S1	1B.1	BLM:S	No	Yes
<i>Hosackia gracilis</i> harlequin lotus	PDFAB2A0D0	None	None	G4/S3	4.2		No	No
<i>Hosackia oblongifolia</i> var. <i>cuprea</i> copper-flowered bird's-foot trefoil	PDFAB2A0W1	None	None	G5T2/S2	1B.3		No	Yes
<i>Hosackia yollabolliensis</i> Yolla Bolly Mtns. bird's-foot trefoil	PDFAB2A1F0	None	None	G2/S2	1B.2		No	Yes
<i>Howellanthus dalesianus</i> Scott Mountain howellanthus	PDHYD0C140	None	None	G3/S3	4.3		No	Yes
<i>Howellia aquatilis</i> water howellia	PDCAM0A010	Threatened	None	G3/S2	2B.2		No	Yes
<i>Hulsea brevifolia</i> short-leaved hulsea	PDAST4Z020	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Hulsea californica</i> San Diego hulsea	PDAST4Z030	None	None	G2/S2	1B.3	BLM:S	Yes	Yes
<i>Hulsea mexicana</i> Mexican hulsea	PDAST4Z050	None	None	G3G4/S1	2B.3		No	Yes
<i>Hulsea nana</i> little hulsea	PDAST4Z060	None	None	G4/S3	2B.3		Yes	Yes
<i>Hulsea vestita</i> ssp. <i>callicarpha</i> beautiful hulsea	PDAST4Z074	None	None	G5T3/S3	4.2		Yes	No
<i>Hulsea vestita</i> ssp. <i>gabrielensis</i> San Gabriel Mountains hulsea	PDAST4Z075	None	None	G5T4/S4	4.3	USFS:S	No	No
<i>Hulsea vestita</i> ssp. <i>inyoensis</i> Inyo hulsea	PDAST4Z073	None	None	G5T2T3/S1S2	2B.2		No	Yes
<i>Hulsea vestita</i> ssp. <i>parryi</i> Parry's hulsea	PDAST4Z076	None	None	G5T4/S4	4.3		Yes	No
<i>Hulsea vestita</i> ssp. <i>pygmaea</i> pygmy hulsea	PDAST4Z077	None	None	G5T1/S1	1B.3	USFS:S	No	Yes
<i>Hymenopappus filifolius</i> var. <i>eriopodus</i> hairy-podded fine-leaf hymenopappus	PDAST51032	None	None	G5T3/S1	2B.3		Yes	Yes
<i>Hymenopappus filifolius</i> var. <i>nanus</i> little cutleaf	PDAST5103H	None	None	G5T4/S2S3	2B.3		No	Yes

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<i>Hymenothrix wrightii</i> Wright's hymenothrix	PDAST52030	None	None	G5/S3	4.3		No	No
<i>Hymenoxys lemmonii</i> alkali hymenoxys	PDAST530C0	None	None	G3?/S2	2B.2		No	Yes
<i>Hymenoxys odorata</i> bitter hymenoxys	PDAST530E0	None	None	G5/S2	2B.1		No	Yes
<i>Iliamna bakeri</i> Baker's globe mallow	PDMAL0K010	None	None	G4/S3	4.2		No	Yes
<i>Iliamna latibracteata</i> California globe mallow	PDMAL0K040	None	None	G2G3/S2	1B.2	USFS:S	No	Yes
<i>Imperata brevifolia</i> California satintail	PMPOA3D020	None	None	G3/S3	2B.1	USFS:S	Yes	Yes
<i>Ipomopsis effusa</i> Baja California ipomopsis	PDPLM060U0	None	None	G3?/S1	2B.1		No	Yes
<i>Ipomopsis tenuifolia</i> slender-leaved ipomopsis	PDPLM060J0	None	None	G3G4/S2	2B.3		No	Yes
<i>Iris bracteata</i> Siskiyou iris	PMIRI09020	None	None	G4G5/S3S4	3.3		No	No
<i>Iris hartwegii ssp. columbiana</i> Tuolumne iris	PMIRI090D2	None	None	G4T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Iris innominata</i> Del Norte County iris	PMIRI090F0	None	None	G4G5/S3	4.3		No	No
<i>Iris longipetala</i> coast iris	PMIRI092E0	None	None	G3/S3	4.2		No	No
<i>Iris munzii</i> Munz's iris	PMIRI090M0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Iris tenax ssp. klamathensis</i> Orleans iris	PMIRI090Z2	None	None	G4G5T4/S4	4.3		No	No
<i>Isocoma arguta</i> Carquinez goldenbush	PDAST57050	None	None	G1/S1	1B.1		No	Yes
<i>Isocoma menziesii var. decumbens</i> decumbent goldenbush	PDAST57091	None	None	G3G5T2T3/S2	1B.2		No	Yes
<i>Isocoma menziesii var. diabolica</i> Satan's goldenbush	PDAST57092	None	None	G3G5T3/S3	4.2		No	No
<i>Iva hayesiana</i> San Diego marsh-elder	PDAST580A0	None	None	G3?/S2	2B.2		Yes	Yes
<i>Ivesia aperta var. aperta</i> Sierra Valley ivesia	PDROS0X011	None	None	G2T2/S2	1B.2	BLM:S USFS:S	No	Yes

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<i>Ivesia aperta</i> var. <i>canina</i> Dog Valley ivesia	PDROS0X012	None	None	G2T1/S1	1B.1	USFS:S	No	Yes
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i> silver-haired ivesia	PDROS0X021	None	None	G2T2/S2	1B.2	USFS:S	Yes	Yes
<i>Ivesia arizonica</i> var. <i>arizonica</i> yellow ivesia	PDROS0X0R1	None	None	G3T3/S1	2B.3		No	Yes
<i>Ivesia baileyi</i> var. <i>baileyi</i> Bailey's ivesia	PDROS0X031	None	None	G5T4/S2	2B.3		No	Yes
<i>Ivesia baileyi</i> var. <i>beneolens</i> Owyhee ivesia	PDROS0X032	None	None	G5T5/S1	2B.3		No	Yes
<i>Ivesia callida</i> Tahquitz ivesia	PDROS0X040	None	Rare	G1/S1	1B.3	USFS:S	No	Yes
<i>Ivesia campestris</i> field ivesia	PDROS0X050	None	None	G3/S3	1B.2		No	Yes
<i>Ivesia jaegeri</i> Jaeger's ivesia	PDROS0X080	None	None	G2G3/S1	1B.3	BLM:S	Yes	Yes
<i>Ivesia kingii</i> var. <i>kingii</i> alkali ivesia	PDROS0X092	None	None	G4T3Q/S2	2B.2	BLM:S	No	Yes
<i>Ivesia longibracteata</i> Castle Crags ivesia	PDROS0X0U0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Ivesia paniculata</i> Ash Creek ivesia	PDROS0X0S0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia patellifera</i> Kingston Mountains ivesia	PDROS0X0Z0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Ivesia pickeringii</i> Pickering's ivesia	PDROS0X0D0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia sericoleuca</i> Plumas ivesia	PDROS0X0K0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia unguiculata</i> Yosemite ivesia	PDROS0X0N0	None	None	G3/S3	4.2		No	Yes
<i>Ivesia webberi</i> Webber's ivesia	PDROS0X0Q0	Threatened	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Jamesia americana</i> var. <i>rosea</i> rosy-petalled cliffbush	PDHDR02019	None	None	G5T4/S4	4.3		Yes	No
<i>Jensia yosemitana</i> Yosemite tarplant	PDAST650J0	None	None	G2G3/S2S3	3.2		No	No
<i>Jepsonia heterandra</i> foothill jepsonia	PDSAX0J010	None	None	G4/S4	4.3		No	No

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<i>Jepsonia malvifolia</i> island jepsonia	PDSAX0J020	None	None	G4/S4	4.2		No	No
<i>Johanneshowellia puberula</i> downy buckwheat	PDPGN084X0	None	None	G3?/S1	2B.3		No	Yes
<i>Juglans californica</i> southern California black walnut	PDJUG02020	None	None	G3/S3	4.2		Yes	No
<i>Juglans hindsii</i> Northern California black walnut	PDJUG02040	None	None	G1/S1	1B.1		Yes	Yes
<i>Juncus acutus ssp. leopoldii</i> southwestern spiny rush	PMJUN01051	None	None	G5T5/S4	4.2		No	No
<i>Juncus cooperi</i> Cooper's rush	PMJUN010T0	None	None	G4/S3	4.3		No	No
<i>Juncus digitatus</i> finger rush	PMJUN013E0	None	None	G1/S1	1B.1		No	Yes
<i>Juncus dudleyi</i> Dudley's rush	PMJUN01390	None	None	G5/S1	2B.3		No	Yes
<i>Juncus duranii</i> Duran's rush	PMJUN013T0	None	None	G3/S3	4.3		No	No
<i>Juncus hemiendytus var. abjectus</i> Center Basin rush	PMJUN011F1	None	None	G5T5/S4	4.3		No	No
<i>Juncus interior</i> inland rush	PMJUN011J0	None	None	G4/S1	2B.2		No	Yes
<i>Juncus leiospermus var. ahartii</i> Ahart's dwarf rush	PMJUN011L1	None	None	G2T1/S1	1B.2		No	Yes
<i>Juncus leiospermus var. leiospermus</i> Red Bluff dwarf rush	PMJUN011L2	None	None	G2T2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Juncus luciensis</i> Santa Lucia dwarf rush	PMJUN013J0	None	None	G2G3/S2S3	1B.2	USFS:S	No	Yes
<i>Juncus nevadensis var. inventus</i> Sierra rush	PMJUN011Z5	None	None	G5T3T4/S1	2B.2		No	Yes
<i>Juncus nodosus</i> knotted rush	PMJUN01210	None	None	G5/S3	2B.3		No	Yes
<i>Juncus regelii</i> Regel's rush	PMJUN012D0	None	None	G4?/S1	2B.3		No	Yes
<i>Juncus supiniformis</i> hair-leaved rush	PMJUN012R0	None	None	G5/S1	2B.2		No	Yes
<i>Kobresia myosuroides</i> seep kobresia	PMCYP0F010	None	None	G5/S1	2B.3		No	Yes

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<i>Koeberlinia spinosa ssp. tenuispina</i> slender-spined all thorn	PDCPP05012	None	None	G4T4/S2	2B.2		No	Yes
<i>Kopsiopsis hookeri</i> small groundcone	PDORO01010	None	None	G5/S1S2	2B.3		No	Yes
<i>Ladeania lanceolata</i> lance-leaved scurf-pea	PDFAB5M030	None	None	G5/S2	2B.3		No	Yes
<i>Lagophylla diabolensis</i> Diablo Range hare-leaf	PDAST5J060	None	None	G2G3/S2S3	1B.2		No	Yes
<i>Lagophylla dichotoma</i> forked hare-leaf	PDAST5J070	None	None	G1/S1	1B.1		No	Yes
<i>Lasthenia burkei</i> Burke's goldfields	PDAST5L010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lasthenia californica ssp. bakeri</i> Baker's goldfields	PDAST5L0C4	None	None	G3TH/SH	1B.2		No	Yes
<i>Lasthenia californica ssp. macrantha</i> perennial goldfields	PDAST5L0C5	None	None	G3T2/S2	1B.2		No	Yes
<i>Lasthenia conjugens</i> Contra Costa goldfields	PDAST5L040	Endangered	None	G1/S1	1B.1		No	Yes
<i>Lasthenia ferrisiae</i> Ferris' goldfields	PDAST5L070	None	None	G3/S3	4.2		No	No
<i>Lasthenia glabrata ssp. coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2/S2	1B.1	BLM:S	Yes	Yes
<i>Lasthenia leptalea</i> Salinas Valley goldfields	PDAST5L0B0	None	None	G3/S3	4.3		No	No
<i>Lathyrus biflorus</i> two-flowered pea	PDFAB25180	None	None	G1/S1	1B.1	USFS:S	No	Yes
<i>Lathyrus delnorticus</i> Del Norte pea	PDFAB25070	None	None	G4/S3	4.3		Yes	No
<i>Lathyrus glandulosus</i> sticky pea	PDFAB251A0	None	None	G3/S3	4.3		Yes	No
<i>Lathyrus hitchcockianus</i> Bullfrog Mountain pea	PDFAB250A0	None	None	G2/S1	1B.3		No	Yes
<i>Lathyrus japonicus</i> seaside pea	PDFAB250C0	None	None	G5/S2	2B.1		No	Yes
<i>Lathyrus jepsonii var. jepsonii</i> Delta tule pea	PDFAB250D2	None	None	G5T2/S2	1B.2		Yes	Yes
<i>Lathyrus palustris</i> marsh pea	PDFAB250P0	None	None	G5/S2S3	2B.2		No	Yes

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<i>Lathyrus rigidus</i> rigid pea	PDFAB250W0	None	None	G5/S1	2B.2		No	Yes
<i>Lathyrus splendens</i> pride-of-California	PDFAB250Z0	None	None	G5/S4	4.3		Yes	No
<i>Lathyrus sulphureus</i> var. <i>argillaceus</i> dubious pea	PDFAB25101	None	None	G5T1T2/S1S2	3		No	Yes
<i>Lavatera assurgentiflora</i> ssp. <i>assurgentiflora</i> island mallow	PDMAL0N021	None	None	G1T1/S1	1B.1		Yes	Yes
<i>Lavatera assurgentiflora</i> ssp. <i>glabra</i> southern island mallow	PDMAL0N022	None	None	G1T1/S1	1B.1		Yes	Yes
<i>Layia carnosa</i> beach layia	PDAST5N010	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Layia discoidea</i> rayless layia	PDAST5N030	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Layia heterotricha</i> pale-yellow layia	PDAST5N070	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Layia jonesii</i> Jones' layia	PDAST5N090	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Layia leucopappa</i> Comanche Point layia	PDAST5N0A0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Layia munzii</i> Munz's tidy-tips	PDAST5N0B0	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Layia septentrionalis</i> Colusa layia	PDAST5N0F0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Legenere limosa</i> legenere	PDCAM0C010	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Lepechinia cardiophylla</i> heart-leaved pitcher sage	PDLAM0V020	None	None	G3?/S2S3	1B.2	USFS:S	Yes	Yes
<i>Lepechinia fragrans</i> fragrant pitcher sage	PDLAM0V030	None	None	G3/S3	4.2	USFS:S	Yes	No
<i>Lepechinia ganderi</i> Gander's pitcher sage	PDLAM0V040	None	None	G3?/S3	1B.3	BLM:S	Yes	Yes
<i>Lepechinia rossii</i> Ross' pitcher sage	PDLAM0V060	None	None	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Lepidium flavum</i> var. <i>felipense</i> Borrego Valley pepper-grass	PDBRA1M0B1	None	None	G5T1/S1	1B.2	BLM:S	No	Yes
<i>Lepidium jaredii</i> ssp. <i>album</i> Panoche pepper-grass	PDBRA1M0G2	None	None	G2T2/S2	1B.2	BLM:S	Yes	Yes

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<i>Lepidium jaredii ssp. jaredii</i> Jared's pepper-grass	PDBRA1M0G1	None	None	G2T1T2/S1S2	1B.2	BLM:S	No	Yes
<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T2/S2	1B.2		No	Yes
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3/S3	4.3		No	Yes
<i>Leptodactylon californicum ssp. tomentosum</i> fuzzy prickly-phlox	PDPLM08021	None	None	G5T3/S3	4.2		No	No
<i>Leptosiphon acicularis</i> bristly leptosiphon	PDPLM09010	None	None	G3/S3	4.2		No	No
<i>Leptosiphon ambiguus</i> serpentine leptosiphon	PDPLM09020	None	None	G4/S4	4.2		No	No
<i>Leptosiphon croceus</i> coast yellow leptosiphon	PDPLM09170	None	None	G1/S1	1B.1		Yes	Yes
<i>Leptosiphon floribundus ssp. hallii</i> Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	G4T1/S1	1B.3	USFS:S	No	Yes
<i>Leptosiphon grandiflorus</i> large-flowered leptosiphon	PDPLM090K0	None	None	G3/S3	4.2		No	No
<i>Leptosiphon jepsonii</i> Jepson's leptosiphon	PDPLM09140	None	None	G2/S2	1B.2		No	Yes
<i>Leptosiphon latisectus</i> broad-lobed leptosiphon	PDPLM09150	None	None	G4/S4	4.3		No	No
<i>Leptosiphon nuttallii ssp. howellii</i> Mt. Tedoc leptosiphon	PDPLM090V4	None	None	G5T2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Leptosiphon oblancoolatus</i> Sierra Nevada leptosiphon	PDPLM090W0	None	None	G4/S4	4.3		No	No
<i>Leptosiphon pygmaeus ssp. pygmaeus</i> pygmy leptosiphon	PDPLM09102	None	None	G4T1/S1	1B.2		No	Yes
<i>Leptosiphon rattanii</i> Rattan's leptosiphon	PDPLM09110	None	None	G4/S4	4.3		No	No
<i>Leptosiphon rosaceus</i> rose leptosiphon	PDPLM09180	None	None	G1/S1	1B.1		No	Yes
<i>Leptosiphon serrulatus</i> Madera leptosiphon	PDPLM09130	None	None	G1?/S1?	1B.2	USFS:S	No	Yes
<i>Leptosyne hamiltonii</i> Mt. Hamilton coreopsis	PDAST2L0C0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Leptosyne maritima</i> sea dahlia	PDAST2L0L0	None	None	G3/S1	2B.2		Yes	Yes

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<i>Lessingia arachnoidea</i> Crystal Springs lessingia	PDAST5S0C0	None	None	G1/S1	1B.2		Yes	Yes
<i>Lessingia germanorum</i> San Francisco lessingia	PDAST5S010	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Lessingia glandulifera</i> var. <i>tomentosa</i> Warner Springs lessingia	PDAST5S022	None	None	G4?T2/S2	1B.3	USFS:S	No	Yes
<i>Lessingia hololeuca</i> woolly-headed lessingia	PDAST5S030	None	None	G3/S3	3		No	No
<i>Lessingia micradenia</i> var. <i>glabrata</i> smooth lessingia	PDAST5S062	None	None	G2T2/S2	1B.2		No	Yes
<i>Lessingia micradenia</i> var. <i>micradenia</i> Tamalpais lessingia	PDAST5S063	None	None	G2T1T2/S1S2	1B.2		No	Yes
<i>Lessingia tenuis</i> spring lessingia	PDAST5S0B0	None	None	G4/S4	4.3		No	No
<i>Lewisia brachycalyx</i> short-sepaled lewisia	PDPOR04010	None	None	G4G5/S2	2B.2	USFS:S	No	Yes
<i>Lewisia cantelovii</i> Cantelow's lewisia	PDPOR04020	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Lewisia congdonii</i> Congdon's lewisia	PDPOR04040	None	Rare	G2/S2	1B.3	USFS:S	No	Yes
<i>Lewisia cotyledon</i> var. <i>heckneri</i> Heckner's lewisia	PDPOR04052	None	None	G4T3/S3	1B.2	BLM:S	No	Yes
<i>Lewisia cotyledon</i> var. <i>howellii</i> Howell's lewisia	PDPOR04053	None	None	G4T4Q/S3?	3.2		No	No
<i>Lewisia disepala</i> Yosemite lewisia	PDPOR04060	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Lewisia kelloggii</i> ssp. <i>hutchisonii</i> Hutchison's lewisia	PDPOR04071	None	None	G3G4T2T3Q/S 2S3	3.2	USFS:S	No	No
<i>Lewisia kelloggii</i> ssp. <i>kelloggii</i> Kellogg's lewisia	PDPOR040M1	None	None	G3G4T2T3Q/S 2S3	3.2	USFS:S	No	No
<i>Lewisia longipetala</i> long-petaled lewisia	PDPOR040K0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Lewisia oppositifolia</i> opposite-leaved lewisia	PDPOR040B0	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Lewisia serrata</i> saw-toothed lewisia	PDPOR040E0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Lewisia stebbinsii</i> Stebbins' lewisia	PDPOR040G0	None	None	G2/S2	1B.2	USFS:S	No	Yes

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<i>Lilaeopsis masonii</i> Mason's lilaeopsis	PDAP119030	None	Rare	G2/S2	1B.1		No	Yes
<i>Lilium bolanderi</i> Bolander's lily	PMLIL1A010	None	None	G4/S3	4.2		No	No
<i>Lilium humboldtii</i> ssp. <i>humboldtii</i> Humboldt lily	PMLIL1A071	None	None	G4T3/S3	4.2		No	No
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i> ocellated humboldt lily	PMLIL1A072	None	None	G4T3/S3	4.2		Yes	No
<i>Lilium kelloggii</i> Kellogg's lily	PMLIL1A0A0	None	None	G3/S3	4.3		No	No
<i>Lilium maritimum</i> coast lily	PMLIL1A0C0	None	None	G2/S2	1B.1		No	Yes
<i>Lilium occidentale</i> western lily	PMLIL1A0G0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lilium pardalinum</i> ssp. <i>pitkinense</i> Pitkin Marsh lily	PMLIL1A0H3	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Lilium pardalinum</i> ssp. <i>vollmeri</i> Vollmer's lily	PMLIL1A0H2	None	None	G5T4/S3	4.3		No	No
<i>Lilium pardalinum</i> ssp. <i>wigginsii</i> Wiggins' lily	PMLIL1A0S0	None	None	G5T3/S3	4.3		No	No
<i>Lilium parryi</i> lemon lily	PMLIL1A0J0	None	None	G3/S3	1B.2	USFS:S	Yes	Yes
<i>Lilium rubescens</i> redwood lily	PMLIL1A0N0	None	None	G3/S3	4.2		Yes	No
<i>Lilium washingtonianum</i> ssp. <i>purpurascens</i> purple-flowered Washington lily	PMLIL1A0R2	None	None	G4T4/S4?	4.3		No	No
<i>Limnanthes alba</i> ssp. <i>parishii</i> Parish's meadowfoam	PDLIM02052	None	Endangered	G3T2T3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Limnanthes bakeri</i> Baker's meadowfoam	PDLIM02020	None	Rare	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Limnanthes douglasii</i> ssp. <i>ornduffii</i> Ornduff's meadowfoam	PDLIM02039	None	None	G4T1/S1	1B.1		No	Yes
<i>Limnanthes douglasii</i> ssp. <i>sulphurea</i> Point Reyes meadowfoam	PDLIM02038	None	Endangered	G4T2/S2	1B.2		No	Yes
<i>Limnanthes floccosa</i> ssp. <i>bellingiana</i> Bellingier's meadowfoam	PDLIM02041	None	None	G4T3/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Limnanthes floccosa</i> ssp. <i>californica</i> Butte County meadowfoam	PDLIM02042	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes

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<i>Limnanthes floccosa ssp. floccosa</i> woolly meadowfoam	PDLIM02043	None	None	G4T4/S3	4.2		No	Yes
<i>Limnanthes vinculans</i> Sebastopol meadowfoam	PDLIM02090	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Limosella australis</i> Delta mudwort	PDSCR10050	None	None	G4G5/S2	2B.1		No	Yes
<i>Linanthus bellus</i> desert beauty	PDPLM09070	None	None	G2G3/S2	2B.1		No	Yes
<i>Linanthus bernardinus</i> Pioneertown linanthus	PDPLM09190	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Linanthus concinnus</i> San Gabriel linanthus	PDPLM090D0	None	None	G3/S3	1B.2	USFS:S	Yes	Yes
<i>Linanthus jaegeri</i> San Jacinto linanthus	PDPLM08030	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Linanthus killipii</i> Baldwin Lake linanthus	PDPLM090N0	None	None	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Linanthus maculatus</i> Little San Bernardino Mtns. linanthus	PDPLM041Y0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Linanthus orcuttii</i> Orcutt's linanthus	PDPLM090X0	None	None	G4/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Linum puberulum</i> plains flax	PDLIN020P0	None	None	G5/S2	2B.3		Yes	Yes
<i>Listera cordata</i> heart-leaved twayblade	PMORC1N060	None	None	G5/S4	4.2		No	No
<i>Lithophragma maximum</i> San Clemente Island woodland star	PDSAX0M070	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lithospermum incisum</i> plains stoneseed	PDBOR0L070	None	None	G5/S1	2B.3		No	Yes
<i>Loeflingia squarrosa var. artemisiarum</i> sagebrush loeflingia	PDCAR0E011	None	None	G5T2T3/S2	2B.2	BLM:S	No	Yes
<i>Loeseliastrum depressum</i> depressed standing-cypress	PDPLM06040	None	None	G5/S3?	4.3		No	No
<i>Lomatium canbyi</i> Canby's lomatium	PDAPI1B060	None	None	G4/S3?	4.3		No	No
<i>Lomatium congdonii</i> Congdon's lomatium	PDAPI1B0B0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Lomatium engelmannii</i> Engelmann's lomatium	PDAPI1B0K0	None	None	G4/S3	4.3		No	No

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<i>Lomatium foeniculaceum</i> ssp. <i>inyoense</i> Inyo lomatium	PDAPI1B0M4	None	None	G5T3/S3	4.3		No	No
<i>Lomatium foeniculaceum</i> ssp. <i>macdougalii</i> Maddougal's lomatium	PDAPI1B0M5	None	None	G5T4T5/S2S3	2B.2		No	Yes
<i>Lomatium grayi</i> Gray's lomatium	PDAPI1B0Q0	None	None	G5/S1S2	2B.3		No	Yes
<i>Lomatium hendersonii</i> Henderson's lomatium	PDAPI1B0T0	None	None	G5?/S2	2B.3		No	Yes
<i>Lomatium hooveri</i> Hoover's lomatium	PDAPI1B2K0	None	None	G3/S3	4.3		No	No
<i>Lomatium howellii</i> Howell's lomatium	PDAPI1B0U0	None	None	G4G5/S4	4.3		No	No
<i>Lomatium insulare</i> San Nicolas Island lomatium	PDAPI1B0W0	None	None	G2G3/S2S3	1B.2		No	Yes
<i>Lomatium martindalei</i> Coast Range lomatium	PDAPI1B140	None	None	G5/S3	2B.3		No	Yes
<i>Lomatium observatorium</i> Mt. Hamilton lomatium	PDAPI1B2J0	None	None	G1/S1?	1B.2		No	Yes
<i>Lomatium parvifolium</i> small-leaved lomatium	PDAPI1B1F0	None	None	G3/S3	4.2		No	No
<i>Lomatium peckianum</i> Peck's lomatium	PDAPI1B1G0	None	None	G4/S1	2B.2		No	Yes
<i>Lomatium ravenii</i> Raven's lomatium	PDAPI1B1L0	None	None	G4/S3	2B.3		No	Yes
<i>Lomatium repostum</i> Napa lomatium	PDAPI1B1M0	None	None	G3/S3	4.3		No	No
<i>Lomatium rigidum</i> stiff lomatium	PDAPI1B1N0	None	None	G3/S3	4.3		No	No
<i>Lomatium roseanum</i> adobe lomatium	PDAPI1B2G0	None	None	G2G3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lomatium shevockii</i> Owens Peak lomatium	PDAPI1B2C0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Lomatium stebbinsii</i> Stebbins' lomatium	PDAPI1B1V0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Lomatium tracyi</i> Tracy's lomatium	PDAPI1B1Y0	None	None	G4/S4	4.3		No	No
<i>Lonicera subspicata</i> var. <i>subspicata</i> Santa Barbara honeysuckle	PDCPR030R3	None	None	G5T2/S2	1B.2	USFS:S	No	Yes

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<i>Lupinus albifrons</i> var. <i>abramsii</i> Abrams' lupine	PDFAB2B010	None	None	G1Q/S1?	3.2		No	No
<i>Lupinus antoninus</i> Anthony Peak lupine	PDFAB2B0C0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Lupinus arboreus</i> var. <i>eximius</i> San Mateo tree lupine	PDFAB2B570	None	None	G2Q/S2	3.2		No	No
<i>Lupinus cervinus</i> Santa Lucia lupine	PDFAB2B0X0	None	None	G3/S3	4.3		No	No
<i>Lupinus citrinus</i> var. <i>citrinus</i> orange lupine	PDFAB2B103	None	None	G2T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus citrinus</i> var. <i>deflexus</i> Mariposa lupine	PDFAB2B102	None	Threatened	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Lupinus constancei</i> The Lassics lupine	PDFAB2B490	None	None	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Lupinus croceus</i> var. <i>pilosellus</i> saffron-flowered lupine	PDFAB2B162	None	None	G3T3/S3	4.3		No	No
<i>Lupinus dalesiae</i> Quincy lupine	PDFAB2B1A0	None	None	G3/S3	4.2		No	Yes
<i>Lupinus duranii</i> Mono Lake lupine	PDFAB2B1E0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus elatus</i> silky lupine	PDFAB2B1F0	None	None	G4/S4	4.3		No	No
<i>Lupinus elmeri</i> South Fork Mtn. lupine	PDFAB2B1G0	None	None	G2/S2	1B.2		No	Yes
<i>Lupinus excubitus</i> var. <i>johnstonii</i> interior bush lupine	PDFAB2B1J4	None	None	G4T4/S4	4.3		No	No
<i>Lupinus excubitus</i> var. <i>medius</i> Mountain Springs bush lupine	PDFAB2B1J5	None	None	G4T2T3/S2	1B.3	BLM:S	No	Yes
<i>Lupinus gracilentus</i> slender lupine	PDFAB2B1R0	None	None	G2/S2	1B.3		No	Yes
<i>Lupinus guadalupensis</i> Guadalupe Island lupine	PDFAB2B1T0	None	None	G3/S3	1B.2		Yes	Yes
<i>Lupinus holmgrenianus</i> Holmgren's lupine	PDFAB2B1Y0	None	None	G2/S2	2B.3		No	Yes
<i>Lupinus lapidicola</i> Heller's Mt. Eddy lupine	PDFAB2B280	None	None	G4/S4	4.3		No	No
<i>Lupinus latifolius</i> var. <i>barbatus</i> bearded lupine	PDFAB2B29H	None	None	G5T1T2/S1	1B.2	USFS:S	No	Yes

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<i>Lupinus lepidus</i> var. <i>culbertsonii</i> Hockett Meadows lupine	PDFAB2B171	None	None	G3?T2/S2	1B.3	USFS:S	No	Yes
<i>Lupinus lepidus</i> var. <i>utahensis</i> stemless lupine	PDFAB2B0V2	None	None	G5T5?/S3S4	4.3		No	No
<i>Lupinus ludovicianus</i> San Luis Obispo County lupine	PDFAB2B2G0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus magnificus</i> var. <i>glarecola</i> Coso Mountains lupine	PDFAB2B2K1	None	None	G3T3Q/S3	4.3		No	No
<i>Lupinus magnificus</i> var. <i>hesperius</i> Mcgee Meadows lupine	PDFAB2B2K2	None	None	G3T2Q/S2	1B.3	BLM:S	No	Yes
<i>Lupinus magnificus</i> var. <i>magnificus</i> Panamint Mountains lupine	PDFAB2B2K3	None	None	G3T2Q/S2	1B.2	BLM:S	No	Yes
<i>Lupinus milo-bakeri</i> Milo Baker's lupine	PDFAB2B4E0	None	Threatened	G1Q/S1	1B.1		Yes	Yes
<i>Lupinus nevadensis</i> Nevada lupine	PDFAB2B500	None	None	G4/S4	4.3		No	No
<i>Lupinus nipomensis</i> Nipomo Mesa lupine	PDFAB2B550	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lupinus padre-crowleyi</i> Father Crowley's lupine	PDFAB2B2Z0	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Lupinus peirsonii</i> Peirson's lupine	PDFAB2B330	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Lupinus pusillus</i> var. <i>intermontanus</i> intermontane lupine	PDFAB2B3B1	None	None	G5T5?/S2	2B.3		No	Yes
<i>Lupinus sericatus</i> Cobb Mountain lupine	PDFAB2B3J0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Lupinus spectabilis</i> shaggyhair lupine	PDFAB2B3P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Lupinus tidestromii</i> Tidestrom's lupine	PDFAB2B3Y0	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Lupinus tracyi</i> Tracy's lupine	PDFAB2B3Z0	None	None	G4/S3	4.3		No	No
<i>Lupinus uncialis</i> lilliput lupine	PDFAB2B410	None	None	G4/S2	2B.2	BLM:S	No	Yes
<i>Lycium brevipes</i> var. <i>hassei</i> Santa Catalina Island desert-thorn	PDSOL0G0N0	None	None	G1Q/S1	1B.1		No	Yes
<i>Lycium californicum</i> California box-thorn	PDSOL0G050	None	None	G4/S4	4.2		No	No

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<i>Lycium parishii</i> Parish's desert-thorn	PDSOL0G0D0	None	None	G3?/S2S3	2B.3		No	Yes
<i>Lycium verrucosum</i> San Nicolas Island desert-thorn	PDSOL0G0M0	None	None	GXQ/SX	1A		No	Yes
<i>Lycopodiella inundata</i> inundated bog-clubmoss	PPLYC03060	None	None	G5/S1?	2B.2		No	Yes
<i>Lycopodium clavatum</i> running-pine	PPLYC01080	None	None	G5/S3	4.1		No	Yes
<i>Lycopus uniflorus</i> northern bugleweed	PDLAM0X080	None	None	G5/S4	4.3		No	No
<i>Lyonothamnus floribundus ssp. aspleniifolius</i> Santa Cruz Island ironwood	PDR0S12011	None	None	G3T3/S3	1B.2		No	Yes
<i>Lyonothamnus floribundus ssp. floribundus</i> Santa Catalina Island ironwood	PDR0S12012	None	None	G3T2/S2	1B.2		Yes	Yes
<i>Lyrocarpa coulteri</i> Palmer's lyrepod	PDBRA1R010	None	None	G4G5/S4	4.3		No	No
<i>Lysimachia thyrsiflora</i> tufted loosestrife	PDPRI070S0	None	None	G5/S1	2B.3		No	Yes
<i>Madia radiata</i> showy golden madia	PDAST650E0	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Malacothamnus abbottii</i> Abbott's bush-mallow	PDMAL0Q010	None	None	G1/S1	1B.1		No	Yes
<i>Malacothamnus aboriginum</i> Indian Valley bush-mallow	PDMAL0Q020	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	PDMAL0Q0E0	None	None	G1Q/S1	1B.2		No	Yes
<i>Malacothamnus clementinus</i> San Clemente Island bush-mallow	PDMAL0Q030	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Malacothamnus davidsonii</i> Davidson's bush-mallow	PDMAL0Q040	None	None	G2/S2	1B.2		No	Yes
<i>Malacothamnus fasciculatus var. nesioticus</i> Santa Cruz Island bush-mallow	PDMAL0Q061	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Malacothamnus gracilis</i> slender bush-mallow	PDMAL0Q0J0	None	None	G1Q/S1	1B.1		No	Yes
<i>Malacothamnus hallii</i> Hall's bush-mallow	PDMAL0Q0F0	None	None	G2Q/S2	1B.2	BLM:S	No	Yes
<i>Malacothamnus helleri</i> Heller's bush-mallow	PDMAL0Q0G0	None	None	G2G3Q/S2S3	4.3		No	No

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<i>Malacothamnus jonesii</i> Jones' bush-mallow	PDMAL0Q090	None	None	G4/S4	4.3		No	No
<i>Malacothamnus mendocinensis</i> Mendocino bush-mallow	PDMAL0Q0D0	None	None	GXQ/SX	1A		No	Yes
<i>Malacothamnus palmeri</i> var. <i>involutus</i> Carmel Valley bush-mallow	PDMAL0Q0B1	None	None	G3T3Q/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Malacothamnus palmeri</i> var. <i>lucianus</i> Arroyo Seco bush-mallow	PDMAL0Q0B2	None	None	G3T1Q/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Malacothamnus palmeri</i> var. <i>palmeri</i> Santa Lucia bush-mallow	PDMAL0Q0B5	None	None	G3T2Q/S2	1B.2	USFS:S	Yes	Yes
<i>Malacothamnus parishii</i> Parish's bush-mallow	PDMAL0Q0C0	None	None	GHQ/SH	1A		No	Yes
<i>Malacothrix foliosa</i> ssp. <i>crispifolia</i> wavy-leaved malacothrix	PDAST66066	None	None	G4T1/S1	1B.2		No	Yes
<i>Malacothrix foliosa</i> ssp. <i>foliosa</i> leafy malacothrix	PDAST66064	None	None	G4T3/S3	4.2		No	No
<i>Malacothrix foliosa</i> ssp. <i>philbrickii</i> Philbrick's malacothrix	PDAST66065	None	None	G4T1/S1	1B.2		No	Yes
<i>Malacothrix foliosa</i> ssp. <i>polycephala</i> many-headed malacothrix	PDAST66067	None	None	G4T3/S3	4.2		No	No
<i>Malacothrix incana</i> dunedelion	PDAST66070	None	None	G4/S4	4.3		Yes	No
<i>Malacothrix indecora</i> Santa Cruz Island malacothrix	PDAST660J0	Endangered	None	G2/S2	1B.1		No	Yes
<i>Malacothrix junakii</i> Junak's malacothrix	PDAST660Q0	None	None	G1/S1	1B.1		No	Yes
<i>Malacothrix phaeocarpa</i> dusky-fruited malacothrix	PDAST66090	None	None	G4/S4	4.3		No	No
<i>Malacothrix saxatilis</i> var. <i>arachnoidea</i> Carmel Valley malacothrix	PDAST660C2	None	None	G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Malacothrix saxatilis</i> var. <i>saxatilis</i> cliff malacothrix	PDAST660C5	None	None	G5T4/S4	4.2		No	No
<i>Malacothrix similis</i> Mexican malacothrix	PDAST660D0	None	None	G2G3/SH	2A		No	Yes
<i>Malacothrix squalida</i> island malacothrix	PDAST660K0	Endangered	None	G1/S1	1B.1		No	Yes
<i>Malaxis monophyllos</i> var. <i>brachypoda</i> white bog adder's-mouth	PMORC1R010	None	None	G4?T4/S1	2B.1	USFS:S	No	Yes

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<i>Malperia tenuis</i> brown turbans	PDAST67010	None	None	G4?/S2	2B.3		No	Yes
<i>Mammillaria grahamii</i> var. <i>grahamii</i> Graham fishhook cactus	PDCAC0A021	None	None	G4T4/S2	2B.2		No	Yes
<i>Marina orcuttii</i> var. <i>orcuttii</i> California marina	PDFAB2F031	None	None	G2G3T1T2/S2 ?	1B.3	USFS:S	No	Yes
<i>Matelea parvifolia</i> spear-leaf matelea	PDASC0A0J0	None	None	G5?/S3	2B.3	USFS:S	No	Yes
<i>Maurandella antirrhiniflora</i> violet twining snapdragon	PDSCR2M010	None	None	G4G5/S2	2B.3		No	Yes
<i>Meconella oregana</i> Oregon meconella	PDPAP0G030	None	None	G2G3/S1	1B.1		No	Yes
<i>Melica spectabilis</i> purple onion grass	PMPOA3X0G0	None	None	G5/S4	4.3		No	No
<i>Menodora scabra</i> rough menodora	PDOLE09040	None	None	G5/S3	2B.3		Yes	Yes
<i>Menodora spinescens</i> var. <i>mohavensis</i> Mojave menodora	PDOLE09061	None	None	G4T2T3/S2S3	1B.2	BLM:S	No	Yes
<i>Mentzelia eremophila</i> solitary blazing star	PDLOA030G0	None	None	G4/S4	4.2		Yes	No
<i>Mentzelia hirsutissima</i> hairy stickleaf	PDLOA030K0	None	None	G3?/S2S3	2B.3		No	Yes
<i>Mentzelia inyoensis</i> Inyo blazing star	PDLOA032Z0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Mentzelia monoensis</i> Mono Craters blazing star	PDLOA032B0	None	None	G3/S3	4.3		No	No
<i>Mentzelia polita</i> polished blazing star	PDLOA031D0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Mentzelia pterosperma</i> wing-seed blazing star	PDLOA031E0	None	None	G4/S2	2B.2		No	Yes
<i>Mentzelia puberula</i> Darlington's blazing star	PDLOA031F0	None	None	G4/S2	2B.2		No	Yes
<i>Mentzelia torreyi</i> Torrey's blazing star	PDLOA031S0	None	None	G4/S2	2B.2		No	Yes
<i>Mentzelia tricuspis</i> spiny-hair blazing star	PDLOA031T0	None	None	G4/S2	2B.1		No	Yes
<i>Mentzelia tridentata</i> creamy blazing star	PDLOA031U0	None	None	G3/S3	1B.3	BLM:S	No	Yes

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<i>Mertensia bella</i> Oregon lungwort	PDBOR0N040	None	None	G4/S2S3	2B.2		No	Yes
<i>Mertensia cusickii</i> Toiyabe bluebells	PDBOR0N0M0	None	None	G4?/S2	2B.2		No	Yes
<i>Mertensia longiflora</i> long bluebells	PDBOR0N0D0	None	None	G4G5/S1	2B.2		No	Yes
<i>Mertensia oblongifolia</i> var. <i>amoena</i> beautiful sagebrush bluebells	PDBOR0N0G1	None	None	G5T5/S2	2B.2		No	Yes
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i> sagebrush bluebells	PDBOR0N0G2	None	None	G5T4/S2	2B.2		No	Yes
<i>Micranthes howellii</i> Howell's saxifrage	PDSAX0U0T0	None	None	G4/S3	4.3		No	No
<i>Micromonolepis pusilla</i> dwarf monolepis	PDCH0F020	None	None	G5/S3?	2B.3		No	Yes
<i>Micropus amphibolus</i> Mt. Diablo cottonweed	PDAST6D030	None	None	G3G4/S3S4	3.2		No	No
<i>Microseris borealis</i> northern microseris	PDAST6E030	None	None	G5/S1	2B.1		No	Yes
<i>Microseris douglasii</i> ssp. <i>platycarpha</i> small-flowered microseris	PDAST6E062	None	None	G4T4/S4	4.2		No	No
<i>Microseris laciniata</i> ssp. <i>detlingii</i> Detling's silverpuffs	PDAST6E0A1	None	None	G4T3/S1	2B.2		No	Yes
<i>Microseris paludosa</i> marsh microseris	PDAST6E0D0	None	None	G2/S2	1B.2		No	Yes
<i>Microseris sylvatica</i> sylvan microseris	PDAST6E0E0	None	None	G4/S4	4.2		No	No
<i>Mimulus acutidens</i> Kings River monkeyflower	PDSCR1B010	None	None	G2?Q/S2?	3		No	No
<i>Mimulus aurantiacus</i> var. <i>aridus</i> low bush monkeyflower	PDSCR22040	None	None	G5T4/S3	4.3		Yes	No
<i>Mimulus brandegeei</i> Santa Cruz Island monkeyflower	PDSCR1B0K0	None	None	GXQ/SX	1A		No	Yes
<i>Mimulus clevelandii</i> Cleveland's bush monkeyflower	PDSCR22010	None	None	G4/S4	4.2		Yes	No
<i>Mimulus cusickii</i> Cusick's monkeyflower	PDSCR1B0V0	None	None	G4G5/S2	2B.3		No	Yes
<i>Mimulus diffusus</i> Palomar monkeyflower	PDSCR1B0Z0	None	None	G4Q/S3	4.3		Yes	No

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<i>Mimulus evanescens</i> ephemeral monkeyflower	PDSCR1B370	None	None	G3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Mimulus exiguus</i> San Bernardino Mountains monkeyflower	PDSCR1B140	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Mimulus filicaulis</i> slender-stemmed monkeyflower	PDSCR1B150	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Mimulus flemingii</i> island bush monkeyflower	PDSCR1B320	None	None	G3G4Q/S3S4	4.3		Yes	No
<i>Mimulus fremontii</i> var. <i>vandenbergensis</i> Vandenberg monkeyflower	PDSCR1B381	Endangered	None	G3G5T1/S1	1B.1		Yes	Yes
<i>Mimulus glabratus</i> ssp. <i>utahensis</i> Utah monkeyflower	PDSCR1B1A6	None	None	G5T5?/S1	2B.1		No	Yes
<i>Mimulus glaucescens</i> shield-bracted monkeyflower	PDSCR1B1B0	None	None	G3/S3	4.3		No	No
<i>Mimulus gracilipes</i> slender-stalked monkeyflower	PDSCR1B1C0	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Mimulus grayi</i> Gray's monkeyflower	PDSCR1B1D0	None	None	G2G3Q/S2S3	4.3		No	No
<i>Mimulus inconspicuus</i> small-flowered monkeyflower	PDSCR1B1F0	None	None	G4/S4	4.3		No	No
<i>Mimulus johnstonii</i> Johnston's monkeyflower	PDSCR1B1H0	None	None	G4/S4	4.3		No	No
<i>Mimulus laciniatus</i> cut-leaved monkeyflower	PDSCR1B1L0	None	None	G4/S4	4.3		No	No
<i>Mimulus microphyllus</i> small-leaved monkeyflower	PDSCR1B300	None	None	G3G4Q/S3S4	4.3		No	No
<i>Mimulus mohavensis</i> Mojave monkeyflower	PDSCR1B1V0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Mimulus norrisii</i> Kaweah monkeyflower	PDSCR1B2Y0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Mimulus nudatus</i> bare monkeyflower	PDSCR1B200	None	None	G4/S4	4.3		No	No
<i>Mimulus parryi</i> Parry's monkeyflower	PDSCR1B230	None	None	G3G4/S3	2B.3		No	Yes
<i>Mimulus pictus</i> calico monkeyflower	PDSCR1B240	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Mimulus pulchellus</i> yellow-lip pansy monkeyflower	PDSCR1B280	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes

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<i>Mimulus purpureus</i> little purple monkeyflower	PDSCR1B2B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Mimulus pygmaeus</i> Egg Lake monkeyflower	PDSCR1B2C0	None	None	G4/S3	4.2		No	Yes
<i>Mimulus rattanii ssp. decurtatus</i> Santa Cruz County monkeyflower	PDSCR1B2D2	None	None	G4T1T3Q/S1S 3	4.2		No	No
<i>Mimulus rupicola</i> Death Valley monkeyflower	PDSCR1B2H0	None	None	G4/S4	4.3		No	No
<i>Mimulus shevockii</i> Kelso Creek monkeyflower	PDSCR1B2Z0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Mimulus subsecundus</i> one-sided monkeyflower	PDSCR1B2K0	None	None	G3G4Q/S3S4	4.3		No	No
<i>Mimulus traskiae</i> Santa Catalina Island monkeyflower	PDSCR1B2P0	None	None	GX/SX	1A		No	Yes
<i>Mimulus whipplei</i> Whipple's monkeyflower	PDSCR1B2U0	None	None	GXQ/SX	1A		No	Yes
<i>Minuartia decumbens</i> The Lassics sandwort	PDCAR0G0Y0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Minuartia howellii</i> Howell's sandwort	PDCAR0G0F0	None	None	G4/S2	1B.3	BLM:S	No	Yes
<i>Minuartia obtusiloba</i> alpine sandwort	PDCAR0G0N0	None	None	G5/S4	4.3		No	No
<i>Minuartia rosei</i> peanut sandwort	PDCAR0G0R0	None	None	G3/S3	4.2	USFS:S	No	No
<i>Minuartia stolonifera</i> Scott Mountain sandwort	PDCAR0G110	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Minuartia stricta</i> bog sandwort	PDCAR0G0U0	None	None	G5/S2	2B.3		No	Yes
<i>Mirabilis coccinea</i> red four o'clock	PDNYC0A090	None	None	G5/S2	2B.3		No	Yes
<i>Mirabilis greenei</i> Greene's four o'clock	PDNYC0A0N0	None	None	G3/S3	4.2		No	No
<i>Mirabilis tenuiloba</i> slender-lobed four o'clock	PDNYC0A150	None	None	G5?/S4	4.3		No	No
<i>Mitellastra caulescens</i> leafy-stemmed mitrewort	PDSAX0N020	None	None	G5/S4	4.2		No	Yes
<i>Monarda pectinata</i> plains bee balm	PDLAM170A0	None	None	G5/S1	2B.3		No	Yes

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<i>Monardella antonina ssp. antonina</i> San Antonio Hills monardella	PDLAM18011	None	None	G4T3Q/S3?	3		No	No
<i>Monardella antonina ssp. benitensis</i> San Benito monardella	PDLAM18012	None	None	G4T3/S3	4.3		No	No
<i>Monardella australis ssp. cinerea</i> gray monardella	PDLAM18060	None	None	G4T3/S3	4.3		Yes	No
<i>Monardella australis ssp. jokerstii</i> Jokerst's monardella	PDLAM18112	None	None	G4T1/S1	1B.1	USFS:S	No	Yes
<i>Monardella beneolens</i> sweet-smelling monardella	PDLAM180U0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Monardella boydii</i> Boyd's monardella	PDLAM18120	None	None	G2Q/S2	1B.2	BLM:S	No	Yes
<i>Monardella candicans</i> Sierra monardella	PDLAM18050	None	None	G4/S4	4.3		No	No
<i>Monardella eremicola</i> Clark Mountain monardella	PDLAM18130	None	None	G2G3Q/S2S3	1B.3	BLM:S	No	Yes
<i>Monardella follettii</i> Follett's monardella	PDLAM180W0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella hypoleuca ssp. hypoleuca</i> white-veined monardella	PDLAM180A3	None	None	G4T2T3/S2S3	1B.3		No	Yes
<i>Monardella hypoleuca ssp. intermedia</i> intermediate monardella	PDLAM180A4	None	None	G4T2T3/S2S3	1B.3		No	Yes
<i>Monardella hypoleuca ssp. lanata</i> felt-leaved monardella	PDLAM180A2	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Monardella leucocephala</i> Merced monardella	PDLAM180C0	None	None	GH/SH	1A		No	Yes
<i>Monardella linoides ssp. oblonga</i> Tehachapi monardella	PDLAM180D2	None	None	G5T2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Monardella macrantha ssp. hallii</i> Hall's monardella	PDLAM180E1	None	None	G5T3/S3	1B.3	USFS:S	Yes	Yes
<i>Monardella nana ssp. leptosiphon</i> San Felipe monardella	PDLAM180F2	None	None	G4G5T2Q/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Monardella palmeri</i> Palmer's monardella	PDLAM180H0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella pringlei</i> Pringle's monardella	PDLAM180J0	None	None	GX/SX	1A		No	Yes
<i>Monardella robisonii</i> Robison's monardella	PDLAM180K0	None	None	G3/S3	1B.3	BLM:S	No	Yes

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<i>Monardella saxicola</i> rock monardella	PDLAM180Q1	None	None	G3/S3	4.2	USFS:S	No	No
<i>Monardella sinuata ssp. nigrescens</i> northern curly-leaved monardella	PDLAM18162	None	None	G3T2/S2	1B.2		No	Yes
<i>Monardella sinuata ssp. sinuata</i> southern curly-leaved monardella	PDLAM18161	None	None	G3T2/S2	1B.2		No	Yes
<i>Monardella stebbinsii</i> Stebbins' monardella	PDLAM180L0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella stoneana</i> Jennifer's monardella	PDLAM180Y0	None	None	G2/S1	1B.2	BLM:S	No	Yes
<i>Monardella undulata ssp. arguelloensis</i> Point Arguello monardella	PDLAM18151	None	None	G3T1/S1	1B.1		No	Yes
<i>Monardella undulata ssp. crispa</i> crisp monardella	PDLAM18070	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Monardella undulata ssp. undulata</i> San Luis Obispo monardella	PDLAM180X0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Monardella venosa</i> veiny monardella	PDLAM18082	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Monardella viminea</i> willow monardella	PDLAM18140	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Monardella viridis</i> green monardella	PDLAM180Q2	None	None	G4/S4	4.3		No	No
<i>Moneses uniflora</i> woodnymph	PDPYR02010	None	None	G5/S3	2B.2		No	Yes
<i>Monolopia congdonii</i> San Joaquin woollythreads	PDASTA8010	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Monolopia gracilens</i> woodland woollythreads	PDAST6G010	None	None	G2G3/S2S3	1B.2		No	Yes
<i>Monotropa uniflora</i> ghost-pipe	PDMON03030	None	None	G5/S2	2B.2		No	Yes
<i>Montia howellii</i> Howell's montia	PDPOR05070	None	None	G3G4/S3	2B.2		No	Yes
<i>Mortonia utahensis</i> Utah mortonia	PDCEL09030	None	None	G4G5/S3	4.3		No	No
<i>Mucronea californica</i> California spineflower	PDPGN0F010	None	None	G3/S3	4.2		Yes	No
<i>Muhlenbergia alopecuroides</i> wolftail	PMPOA3W020	None	None	G5/S1?	2B.2		No	Yes

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<i>Muhlenbergia appressa</i> appressed muhly	PMPOA48020	None	None	G4/S3	2B.2		No	Yes
<i>Muhlenbergia arsenei</i> tough muhly	PMPOA48060	None	None	G5/S1S2	2B.3		No	Yes
<i>Muhlenbergia californica</i> California muhly	PMPOA480A0	None	None	G4/S4	4.3		No	Yes
<i>Muhlenbergia fragilis</i> delicate muhly	PMPOA480Q0	None	None	G5?/S1	2B.3		No	Yes
<i>Muhlenbergia jonesii</i> Jones' muhly	PMPOA480X0	None	None	G3/S3	4.3		No	No
<i>Muhlenbergia pauciflora</i> few-flowered muhly	PMPOA48170	None	None	G5/S2	2B.3		No	Yes
<i>Muilla coronata</i> crowned muilla	PMLIL1H020	None	None	G3/S3	4.2		No	No
<i>Munroa squarrosa</i> false buffalo-grass	PMPOA49010	None	None	G5/S1S2	2B.2		No	Yes
<i>Munzothamnus blairii</i> Blair's munzothamnus	PDAST8U0K0	None	None	G3/S3	1B.2		No	Yes
<i>Myosurus minimus ssp. apus</i> little mousetail	PDRAN0H031	None	None	G5T2Q/S2	3.1		No	Yes
<i>Myrica hartwegii</i> Sierra sweet bay	PDMCC02050	None	None	G3G4/S3S4	4.3		No	No
<i>Nama dichotomum var. dichotomum</i> forked purple mat	PDHYD0A061	None	None	G4T4?/S1	2B.3		No	Yes
<i>Nama stenocarpum</i> mud nama	PDHYD0A0H0	None	None	G4G5/S1S2	2B.2		No	Yes
<i>Nasturtium gambelii</i> Gambel's water cress	PDBRA270V0	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Navarretia cotulifolia</i> cotula navarretia	PDPLM0C040	None	None	G4/S4	4.2		No	No
<i>Navarretia eriocephala</i> hoary navarretia	PDPLM0C060	None	None	G4/S4	4.3		No	No
<i>Navarretia fossalis</i> spreading navarretia	PDPLM0C080	Threatened	None	G1/S1	1B.1		Yes	Yes
<i>Navarretia gowenii</i> Lime Ridge navarretia	PDPLM0C120	None	None	G1/S1	1B.1		No	Yes
<i>Navarretia heterandra</i> Tehama navarretia	PDPLM0C0A0	None	None	G4/S4	4.3		No	No

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<i>Navarretia jepsonii</i> Jepson's navarretia	PDPLM0C0D0	None	None	G4/S4	4.3		No	No
<i>Navarretia leucocephala ssp. bakeri</i> Baker's navarretia	PDPLM0C0E1	None	None	G4T2/S2	1B.1	BLM:S	No	Yes
<i>Navarretia leucocephala ssp. pauciflora</i> few-flowered navarretia	PDPLM0C0E4	Endangered	Threatened	G4T1/S1	1B.1		Yes	Yes
<i>Navarretia leucocephala ssp. plieantha</i> many-flowered navarretia	PDPLM0C0E5	Endangered	Endangered	G4T1/S1	1B.2		Yes	Yes
<i>Navarretia linearifolia ssp. pinnatisecta</i> pinnate-leaved navarretia	PDPLM04211	None	None	G4G5T4/S4	4.3		No	No
<i>Navarretia myersii ssp. deminuta</i> small pincushion navarretia	PDPLM0C0X2	None	None	G1T1/S1	1B.1		No	Yes
<i>Navarretia myersii ssp. myersii</i> pincushion navarretia	PDPLM0C0X1	None	None	G1T1/S1	1B.1		No	Yes
<i>Navarretia nigelliformis ssp. nigelliformis</i> adobe navarretia	PDPLM0C0J1	None	None	G4T3/S3	4.2		No	No
<i>Navarretia nigelliformis ssp. radians</i> shining navarretia	PDPLM0C0J2	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Navarretia ojaiensis</i> Ojai navarretia	PDPLM0C130	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Navarretia peninsularis</i> Baja navarretia	PDPLM0C0L0	None	None	G3?/S2	1B.2	USFS:S	Yes	Yes
<i>Navarretia prolifera ssp. lutea</i> yellow bur navarretia	PDPLM0C0N1	None	None	G4T3/S3	4.3	USFS:S	No	No
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2/S2	1B.1		No	Yes
<i>Navarretia rosulata</i> Marin County navarretia	PDPLM0C0Z0	None	None	G2?/S2?	1B.2		No	Yes
<i>Navarretia setiloba</i> Piute Mountains navarretia	PDPLM0C0S0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Navarretia subuligera</i> awl-leaved navarretia	PDPLM0C0U0	None	None	G4/S4	4.3		No	No
<i>Nemacaulis denudata var. denudata</i> coast woolly-heads	PDPGN0G011	None	None	G3G4T2/S2	1B.2		Yes	Yes
<i>Nemacaulis denudata var. gracilis</i> slender cottonheads	PDPGN0G012	None	None	G3G4T3?/S2	2B.2		No	Yes
<i>Nemacladus calcaratus</i> Chimney Creek nemacladus	PDCAM0F0E0	None	None	G1/S1	1B.2	USFS:S	No	Yes

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<i>Nemacladus gracilis</i> graceful nemacladus	PDCAM0F030	None	None	G4/S4	4.3		No	No
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i> Robbins' nemacladus	PDCAM0F0B2	None	None	G3T2T3/S2S3	1B.2	USFS:S	No	Yes
<i>Nemacladus secundiflorus</i> var. <i>secundiflorus</i> large-flowered nemacladus	PDCAM0F0B1	None	None	G3T3?/S3?	4.3		No	No
<i>Nemacladus twisselmannii</i> Twisselmann's nemacladus	PDCAM0F0D0	None	Rare	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Nemophila breviflora</i> Great Basin nemophila	PDHYD0B020	None	None	G5/S3	2B.3		No	Yes
<i>Nemophila parviflora</i> var. <i>quercifolia</i> oak-leaved nemophila	PDHYD0B073	None	None	G5T4/S4	4.3		No	No
<i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G2/S2	1B.1		No	Yes
<i>Neviusia cliftonii</i> Shasta snow-wreath	PDR0S14020	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Nitrophila mohavensis</i> Amargosa nitrophila	PDCHE0G010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Noccaea fendleri</i> ssp. <i>californica</i> Kneeland Prairie pennycress	PDBRA2P041	Endangered	None	G5?T1/S1	1B.1		No	Yes
<i>Nolina cismontana</i> chaparral nolina	PMAGA080E0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Nolina interrata</i> Dehesa nolina	PMAGA08070	None	Endangered	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Oenothera caespitosa</i> ssp. <i>crinita</i> caespitose evening-primrose	PDONA0C063	None	None	G5T4T5/S4	4.2		No	No
<i>Oenothera californica</i> ssp. <i>eurekaensis</i> Eureka Dunes evening-primrose	PDONA0C071	Endangered	Rare	G4?T2/S2	1B.2		Yes	Yes
<i>Oenothera cavernae</i> cave evening-primrose	PDONA0C090	None	None	G2G3/S1	2B.1		Yes	Yes
<i>Oenothera deltooides</i> ssp. <i>howellii</i> Antioch Dunes evening-primrose	PDONA0C0B4	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Oenothera longissima</i> long-stem evening-primrose	PDONA0C0T0	None	None	G4/S1	2B.2		No	Yes
<i>Oenothera wolfii</i> Wolf's evening-primrose	PDONA0C1K0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Ophioglossum californicum</i> California adder's-tongue	PPOPH020G0	None	None	G4/S4	4.2		No	No

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<i>Ophioglossum pusillum</i> northern adder's-tongue	PPOPH020F0	None	None	G5/S1	2B.2	USFS:S	No	Yes
<i>Opuntia basilaris</i> var. <i>brachyclada</i> short-joint beavertail	PDCAC0D053	None	None	G5T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Opuntia basilaris</i> var. <i>treleasei</i> Bakersfield cactus	PDCAC0D055	Endangered	Endangered	G5T1/S1	1B.1		No	Yes
<i>Opuntia fragilis</i> brittle prickly-pear	PDCAC0D0H0	None	None	G4G5/SH	2B.1		No	Yes
<i>Opuntia wigginsii</i> Wiggins' cholla	PDCAC0D1P0	None	None	G3?Q/S1?	3.3		No	Yes
<i>Opuntia xcurvispina</i> curved-spine beavertail	PDCAC0D270	None	None	G3G4Q/S1	2B.2		No	Yes
<i>Orcuttia californica</i> California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Orcuttia inaequalis</i> San Joaquin Valley Orcutt grass	PMPOA4G060	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Orcuttia pilosa</i> hairy Orcutt grass	PMPOA4G040	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Orcuttia tenuis</i> slender Orcutt grass	PMPOA4G050	Threatened	Endangered	G2/S2	1B.1		Yes	Yes
<i>Orcuttia viscida</i> Sacramento Orcutt grass	PMPOA4G070	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Oreonana purpurascens</i> purple mountain-parsley	PDAP1G020	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Oreonana vestita</i> woolly mountain-parsley	PDAP1G030	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Oreostemma elatum</i> tall alpine-aster	PDASTE020	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ornithostaphylos oppositifolia</i> Baja California birdbush	PDERI0W010	None	Endangered	G4/S1	2B.1		Yes	Yes
<i>Orobanche ludoviciana</i> var. <i>arenosa</i> Suksdorf's broom-rape	PDORO04073	None	None	G5T5/S2	2B.3		No	Yes
<i>Orobanche parishii</i> ssp. <i>brachyloba</i> short-lobed broomrape	PDORO040A2	None	None	G4?T4/S3	4.2		No	Yes
<i>Orobanche valida</i> ssp. <i>howellii</i> Howell's broomrape	PDORO040G1	None	None	G4T4/S4	4.3		No	No
<i>Orobanche valida</i> ssp. <i>valida</i> Rock Creek broomrape	PDORO040G2	None	None	G4T2/S2	1B.2	USFS:S	No	Yes

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<i>Orthocarpus cuspidatus ssp. cuspidatus</i> Siskiyou Mountains orthocarpus	PDSCR1H081	None	None	G5T4/S4	4.3		No	No
<i>Orthocarpus pachystachyus</i> Shasta orthocarpus	PDSCR1H0L0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Oryctes nevadensis</i> Nevada oryctes	PDSOL0Q010	None	None	G2G3/S2	2B.1		No	Yes
<i>Osmorhiza depauperata</i> blunt-fruited sweet-cicely	PDAP11K050	None	None	G5/S1	2B.3		No	Yes
<i>Oxalis suksdorfii</i> Suksdorf's wood-sorrel	PDOXA010U0	None	None	G4/S3	4.3		No	No
<i>Oxytheca watsonii</i> Watson's oxytheca	PDPGN0J070	None	None	G3?/S1	2B.2		No	Yes
<i>Oxytropis deflexa var. sericea</i> blue pendent-pod oxytrope	PDFAB2X053	None	None	G5T5/S1	2B.1		No	Yes
<i>Oxytropis oreophila var. oreophila</i> rock-loving oxytrope	PDFAB2X0H3	None	None	G5T4/S2	2B.3	USFS:S	No	Yes
<i>Oxytropis parryi</i> Parry's oxytrope	PDFAB2X0J0	None	None	G5/S4	4.3		No	No
<i>Packera bernardina</i> San Bernardino ragwort	PDAST8H0E0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Packera bolanderi var. bolanderi</i> seacoast ragwort	PDAST8H0H1	None	None	G4T4/S2S3	2B.2		No	Yes
<i>Packera eurycephala var. lewisrosei</i> Lewis Rose's ragwort	PDAST8H182	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Packera ganderi</i> Gander's ragwort	PDAST8H1F0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Packera hesperia</i> western ragwort	PDAST8H1L0	None	None	G3/S1	2B.2	USFS:S	No	Yes
<i>Packera indecora</i> rayless mountain ragwort	PDAST8H1R0	None	None	G5/S2?	2B.2		No	Yes
<i>Packera ionophylla</i> Tehachapi ragwort	PDAST8H1T0	None	None	G4/S4	4.3		No	No
<i>Packera layneae</i> Layne's ragwort	PDAST8H1V0	Threatened	Rare	G2/S2	1B.2		Yes	Yes
<i>Packera macounii</i> Siskiyou Mountains ragwort	PDAST8H1Z0	None	None	G5/S3	4.3		No	No
<i>Palafoxia arida var. gigantea</i> giant spanish-needle	PDAST6T012	None	None	G5T3/S2	1B.3	BLM:S	Yes	Yes

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<i>Panicum acuminatum</i> var. <i>thermale</i> Geysers panicum	PMPOA24028	None	Endangered	G5T2Q/S2	1B.2	BLM:S	No	Yes
<i>Panicum hirticaule</i> ssp. <i>hirticaule</i> roughstalk witch grass	PMPOA4K170	None	None	G5T5/S1	2B.1		No	Yes
<i>Parkinsonia microphylla</i> little-leaved palo verde	PDFAB2Z030	None	None	G5/S3	4.3		Yes	No
<i>Parnassia cirrata</i> var. <i>cirrata</i> San Bernardino grass-of-Parnassus	PDSAX0P030	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Parnassia cirrata</i> var. <i>intermedia</i> Cascade grass-of-Parnassus	PDSAX0P044	None	None	G5T3/S3	2B.2	USFS:S	No	Yes
<i>Parnassia parviflora</i> small-flowered grass-of-Parnassus	PDSAX0P0A0	None	None	G4/S2	2B.2		No	Yes
<i>Paronychia ahartii</i> Ahart's paronychia	PDCAR0L0V0	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Pedicularis bracteosa</i> var. <i>flavida</i> yellowish lousewort	PDSCR1K044	None	None	G5T4/S3	4.3		No	No
<i>Pedicularis centranthera</i> Great Basin lousewort	PDSCR1K070	None	None	G4/S2	2B.3	BLM:S	No	Yes
<i>Pedicularis contorta</i> curved-beak lousewort	PDSCR1K090	None	None	G5/S3	4.3		No	No
<i>Pedicularis crenulata</i> scalloped-leaved lousewort	PDSCR1K0A0	None	None	G4/S1	2B.2		No	Yes
<i>Pedicularis dudleyi</i> Dudley's lousewort	PDSCR1K0D0	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Pedicularis howellii</i> Howell's lousewort	PDSCR1K0J0	None	None	G4/S3	4.3	USFS:S	No	No
<i>Pediomelum castoreum</i> Beaver Dam breadroot	PDFAB5L050	None	None	G3/S2	1B.2	BLM:S	No	Yes
<i>Pellaea truncata</i> spiny cliff-brake	PPADI0H0C0	None	None	G5/S2	2B.3		No	Yes
<i>Penstemon albomarginatus</i> white-margined beardtongue	PDSCR1L070	None	None	G2/S1	1B.1	BLM:S	Yes	Yes
<i>Penstemon barnebyi</i> Barneby's beardtongue	PDSCR1L0Q0	None	None	G3G4/S1	2B.1		No	Yes
<i>Penstemon bicolor</i> ssp. <i>roseus</i> rosy two-toned beardtongue	PDSCR1L0S2	None	None	G3T3Q/S1	1B.1	BLM:S	Yes	Yes
<i>Penstemon calcareus</i> limestone beardtongue	PDSCR1L100	None	None	G2G3/S2S3	1B.3		No	Yes

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<i>Penstemon californicus</i> California beardtongue	PDSCR1L110	None	None	G3?/S2	1B.2	USFS:S	No	Yes
<i>Penstemon cinereus</i> gray beardtongue	PDSCR1L7F0	None	None	G4Q/S4	4.3		Yes	No
<i>Penstemon cinicola</i> ashy-gray beardtongue	PDSCR1L1B0	None	None	G4/S3	4.3		No	No
<i>Penstemon clevelandii</i> var. <i>connatus</i> San Jacinto beardtongue	PDSCR1L1D2	None	None	G5T4/S3	4.3		Yes	No
<i>Penstemon filiformis</i> thread-leaved beardtongue	PDSCR1L2A0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Penstemon fruticiformis</i> var. <i>amargosae</i> Amargosa beardtongue	PDSCR1L2F2	None	None	G4T3/S2	1B.3	BLM:S	Yes	Yes
<i>Penstemon heterodoxus</i> var. <i>shastensis</i> Shasta beardtongue	PDSCR1L5Q0	None	None	G5T3/S3	4.3		No	No
<i>Penstemon janishiae</i> Janish's beardtongue	PDSCR1L3A0	None	None	G4/S1	2B.2	BLM:S	No	Yes
<i>Penstemon newberryi</i> var. <i>sonomensis</i> Sonoma beardtongue	PDSCR1L483	None	None	G4T1/S2	1B.3		No	Yes
<i>Penstemon pahutensis</i> Pahute beardtongue	PDSCR1L4H0	None	None	G3/S1	2B.3		No	Yes
<i>Penstemon papillatus</i> Inyo beardtongue	PDSCR1L4L0	None	None	G3/S3	4.3		No	No
<i>Penstemon personatus</i> closed-throated beardtongue	PDSCR1L4Y0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Penstemon pseudospectabilis</i> ssp. <i>pseudospectabilis</i> desert beardtongue	PDSCR1L562	None	None	G4G5T3T5/S3	2B.2		No	Yes
<i>Penstemon rattanii</i> var. <i>kleei</i> Santa Cruz Mountains beardtongue	PDSCR1L5B1	None	None	G4T2/S2	1B.2		No	Yes
<i>Penstemon scapoides</i> pinyon beardtongue	PDSCR1L5J0	None	None	G3/S3	4.3		Yes	No
<i>Penstemon stephensii</i> Stephens' beardtongue	PDSCR1L5W0	None	None	G2/S2	1B.3	BLM:S	Yes	Yes
<i>Penstemon sudans</i> Susanville beardtongue	PDSCR1L620	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Penstemon thompsoniae</i> Thompson's beardtongue	PDSCR1L670	None	None	G4/S1	2B.3		Yes	Yes

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<i>Penstemon thurberi</i> Thurber's beardtongue	PDSCR1L680	None	None	G5/S3	4.2		Yes	No
<i>Penstemon tracyi</i> Tracy's beardtongue	PDSCR1L6A0	None	None	G1/S1	1B.3	USFS:S	Yes	Yes
<i>Penstemon utahensis</i> Utah beardtongue	PDSCR1L6G0	None	None	G4/S2	2B.3		No	Yes
<i>Pentachaeta aurea ssp. allenii</i> Allen's pentachaeta	PDAST6X021	None	None	G4T2/S2	1B.1		No	Yes
<i>Pentachaeta aurea ssp. aurea</i> golden-rayed pentachaeta	PDAST6X022	None	None	G4T3/S3	4.2		Yes	No
<i>Pentachaeta bellidiflora</i> white-rayed pentachaeta	PDAST6X030	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pentachaeta exilis ssp. aeolica</i> San Benito pentachaeta	PDAST6X041	None	None	G5T1/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Pentachaeta fragilis</i> fragile pentachaeta	PDAST6X050	None	None	G3/S3	4.3		No	No
<i>Pentachaeta lyonii</i> Lyon's pentachaeta	PDAST6X060	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Perideridia bacigalupii</i> Bacigalupi's yampah	PDAPI1N020	None	None	G3/S3	4.2		No	No
<i>Perideridia gairdneri ssp. gairdneri</i> California Gairdner's yampah	PDAPI1N062	None	None	G5T4/S4	4.2		No	No
<i>Perideridia leptocarpa</i> narrow-seeded yampah	PDAPI1N0A0	None	None	G3Q/S3	4.3		No	No
<i>Perideridia parishii ssp. parishii</i> Parish's yampah	PDAPI1N0C2	None	None	G4T3T4/S2	2B.2		No	Yes
<i>Perideridia pringlei</i> adobe yampah	PDAPI1N0D0	None	None	G4/S4	4.3		No	No
<i>Perityle inyoensis</i> Inyo rock daisy	PDAST700F0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Perityle villosa</i> Hanaupah rock daisy	PDAST700V0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Petalonyx thurberi ssp. gilmanii</i> Death Valley sandpaper-plant	PDLOA04041	None	None	G5T2/S2	1B.3	BLM:S	No	Yes
<i>Peteria thompsoniae</i> spine-noded milk vetch	PDFAB32020	None	None	G4/S1	2B.3		No	Yes
<i>Petradoria pumila ssp. pumila</i> rock goldenrod	PDAST72022	None	None	G5T4/S4?	4.3		No	No

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<i>Petrophytum caespitosum ssp. acuminatum</i> marble rockmat	PDROS18010	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Phacelia amabilis</i> Saline Valley phacelia	PDHYD0C040	None	None	GHQ/SH	3.3		No	Yes
<i>Phacelia anelsonii</i> Aven Nelson's phacelia	PDHYD0C060	None	None	G3/S2	2B.3		Yes	Yes
<i>Phacelia argentea</i> sand dune phacelia	PDHYD0C070	None	None	G2/S1	1B.1		Yes	Yes
<i>Phacelia barnebyana</i> Barneby's phacelia	PDHYD0C0C0	None	None	G3?/S2	2B.3		No	Yes
<i>Phacelia ciliata var. opaca</i> Merced phacelia	PDHYD0C0S2	None	None	G5TH/SH	3.2		No	Yes
<i>Phacelia coerulea</i> sky-blue phacelia	PDHYD0C0U0	None	None	G5/S2	2B.3		No	Yes
<i>Phacelia cookei</i> Cooke's phacelia	PDHYD0C0Y0	None	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Phacelia exilis</i> Transverse Range phacelia	PDHYD0C4Y0	None	None	G4Q/S4	4.3		Yes	No
<i>Phacelia floribunda</i> many-flowered phacelia	PDHYD0C1G0	None	None	G2/S2	1B.2		No	Yes
<i>Phacelia greenei</i> Scott Valley phacelia	PDHYD0C1V0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia gymnoclada</i> naked-stemmed phacelia	PDHYD0C1X0	None	None	G4/S2	2B.3		No	Yes
<i>Phacelia hubbyi</i> Hubby's phacelia	PDHYD0C0R4	None	None	G4/S4	4.2		No	No
<i>Phacelia insularis var. continentis</i> North Coast phacelia	PDHYD0C2B1	None	None	G2T1/S1	1B.2		No	Yes
<i>Phacelia insularis var. insularis</i> northern Channel Islands phacelia	PDHYD0C2B2	Endangered	None	G2T1/S1	1B.2		No	Yes
<i>Phacelia inundata</i> playa phacelia	PDHYD0C2E0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Phacelia inyoensis</i> Inyo phacelia	PDHYD0C2F0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia keckii</i> Santiago Peak phacelia	PDHYD0C4G1	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Phacelia leonis</i> Siskiyou phacelia	PDHYD0C2N0	None	None	G3/S3	1B.3	BLM:S	No	Yes

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<i>Phacelia mohavensis</i> Mojave phacelia	PDHYD0C310	None	None	G4Q/S4	4.3		No	No
<i>Phacelia monoensis</i> Mono County phacelia	PDHYD0C4V0	None	None	G3/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Phacelia mustelina</i> Death Valley round-leaved phacelia	PDHYD0C330	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Phacelia nashiana</i> Charlotte's phacelia	PDHYD0C350	None	None	G3/S3	1B.2	BLM:S	Yes	Yes
<i>Phacelia novemmillensis</i> Nine Mile Canyon phacelia	PDHYD0C3A0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia orogenes</i> Sierra phacelia	PDHYD0C3C0	None	None	G3/S3	4.3		No	No
<i>Phacelia parishii</i> Parish's phacelia	PDHYD0C3G0	None	None	G2G3/S1	1B.1	BLM:S	No	Yes
<i>Phacelia peirsoniana</i> Peirson's phacelia	PDHYD0C3N0	None	None	G3G4/S3	4.3		No	No
<i>Phacelia perityloides</i> var. <i>jaegeri</i> Jaeger's phacelia	PDHYD0C1M0	None	None	G4T2/S1	1B.3		No	Yes
<i>Phacelia phacelioides</i> Mt. Diablo phacelia	PDHYD0C3Q0	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Phacelia pulchella</i> var. <i>gooddingii</i> Goodding's phacelia	PDHYD0C3V1	None	None	G5T2T3/S2	2B.3		No	Yes
<i>Phacelia ramosissima</i> var. <i>australitoralis</i> south coast branching phacelia	PDHYD0C416	None	None	G5?T3/S3	3.2		No	No
<i>Phacelia sericea</i> var. <i>ciliosa</i> blue alpine phacelia	PDHYD0C4A1	None	None	G5T5/S2	2B.3		No	Yes
<i>Phacelia stebbinsii</i> Stebbins' phacelia	PDHYD0C4D0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Phacelia stellaris</i> Brand's star phacelia	PDHYD0C510	None	None	G1/S1	1B.1		Yes	Yes
<i>Phaseolus filiformis</i> slender-stem bean	PDFAB330P0	None	None	G5/S1	2B.1		No	Yes
<i>Phlox dispersa</i> High Sierra phlox	PDPLM0D0M0	None	None	G4/S4	4.3		No	No
<i>Phlox dolichantha</i> Big Bear Valley phlox	PDPLM0D0P0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Phlox hirsuta</i> Yreka phlox	PDPLM0D100	Endangered	Endangered	G1/S1	1B.2		Yes	Yes

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<i>Phlox muscoides</i> squarestem phlox	PDPLM0D115	None	None	G5?/S2S3	2B.3		No	Yes
<i>Pholisma sonora</i> sand food	PDLNN02020	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Pholistoma auritum</i> var. <i>arizonicum</i> Arizona pholistoma	PDHYD0D011	None	None	G5T2T3/S2	2B.3		No	Yes
<i>Physalis lobata</i> lobed ground-cherry	PDSOL0T010	None	None	G5/S2	2B.3		Yes	Yes
<i>Physaria chambersii</i> Chambers' physaria	PDBRA22050	None	None	G4/S1S2	2B.3		Yes	Yes
<i>Physaria kingii</i> ssp. <i>bernardina</i> San Bernardino Mountains bladderpod	PDBRA1N0W1	Endangered	None	G5T1/S1	1B.1		Yes	Yes
<i>Physaria ludoviciana</i> silver bladderpod	PDBRA1N110	None	None	G5/S1	2B.2		No	Yes
<i>Physocarpus alternans</i> Nevada ninebark	PDR0S19010	None	None	G4/S3	2B.3		No	Yes
<i>Picea engelmannii</i> Engelmann spruce	PGPIN03030	None	None	G5/S2	2B.2		No	Yes
<i>Pickeringia montana</i> var. <i>tomentosa</i> woolly chaparral-pea	PDFAB34012	None	None	G5T3T4/S3S4	4.3		No	No
<i>Pilostyles thurberi</i> Thurber's pilostyles	PDRAF01010	None	None	G5/S4	4.3		No	Yes
<i>Pinguicula macroceras</i> horned butterwort	PDLNT01040	None	None	G5/S2S3	2B.2		No	Yes
<i>Pinus contorta</i> ssp. <i>bolanderi</i> Bolander's beach pine	PGPIN04081	None	None	G5T2/S2	1B.2		No	Yes
<i>Pinus edulis</i> two-needle pinyon pine	PGPIN040C0	None	None	G5Q/S2	3.3		No	No
<i>Pinus longaeva</i> bristlecone pine	PGPIN04180	None	None	G4/S3S4	4.3		Yes	No
<i>Pinus radiata</i> Monterey pine	PGPIN040V0	None	None	G1/S1	1B.1		Yes	Yes
<i>Pinus torreyana</i> ssp. <i>insularis</i> Santa Rosa Island Torrey pine	PGPIN04151	None	None	G1T1/S1	1B.2		No	Yes
<i>Pinus torreyana</i> ssp. <i>torreyana</i> Torrey pine	PGPIN04152	None	None	G1T1/S1	1B.2		Yes	Yes
<i>Piperia candida</i> white-flowered rein orchid	PMORC1X050	None	None	G3?/S2	1B.2	BLM:S	No	Yes

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<i>Piperia colemanii</i> Coleman's rein orchid	PMORC1X080	None	None	G4/S4	4.3		No	No
<i>Piperia cooperi</i> chaparral rein orchid	PMORC1X090	None	None	G3/S3	4.2		No	No
<i>Piperia elegans ssp. decurtata</i> Point Reyes rein orchid	PMORC1X011	None	None	G4T1/S1	1B.1		No	Yes
<i>Piperia leptopetala</i> narrow-petaled rein orchid	PMORC1X100	None	None	G4/S4	4.3		No	No
<i>Piperia michaelii</i> Michael's rein orchid	PMORC1X110	None	None	G3/S3	4.2		No	No
<i>Piperia yadonii</i> Yadon's rein orchid	PMORC1X070	Endangered	None	G2/S2	1B.1		No	Yes
<i>Pityopus californicus</i> California pinefoot	PDMON05010	None	None	G4G5/S4	4.2		No	No
<i>Plagiobothrys chorisianus var. chorisianus</i> Choris' popcornflower	PDBOR0V061	None	None	G3T2Q/S2	1B.2		No	Yes
<i>Plagiobothrys chorisianus var. hickmanii</i> Hickman's popcornflower	PDBOR0V062	None	None	G3T3Q/S3	4.2		No	No
<i>Plagiobothrys diffusus</i> San Francisco popcornflower	PDBOR0V080	None	Endangered	G1Q/S1	1B.1		No	Yes
<i>Plagiobothrys glaber</i> hairless popcornflower	PDBOR0V0B0	None	None	GH/SH	1A		No	Yes
<i>Plagiobothrys glyptocarpus var. modestus</i> Cedar Crest popcornflower	PDBOR0V0C2	None	None	G3THQ/SH	3		No	No
<i>Plagiobothrys hystriculus</i> bearded popcornflower	PDBOR0V0H0	None	None	G2/S2	1B.1		No	Yes
<i>Plagiobothrys lithocaryus</i> Mayacamas popcornflower	PDBOR0V0P0	None	None	GH/SH	1A		No	Yes
<i>Plagiobothrys mollis var. vestitus</i> Petaluma popcornflower	PDBOR0V0Q2	None	None	G4?TX/SX	1A		No	Yes
<i>Plagiobothrys nitens</i> shiny-nutlet popcornflower	PDBOR0V1B0	None	None	GNR/S1	2B.1		No	Yes
<i>Plagiobothrys parishii</i> Parish's popcornflower	PDBOR0V0U0	None	None	G1/S1	1B.1	USFS:S	No	Yes
<i>Plagiobothrys salsus</i> desert popcornflower	PDBOR0V0X0	None	None	G2G3/S1	2B.2		No	Yes
<i>Plagiobothrys strictus</i> Calistoga popcornflower	PDBOR0V120	Endangered	Threatened	G1/S1	1B.1		Yes	Yes

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<i>Plagiobothrys torreyi</i> var. <i>perplexans</i> chaparral popcornflower	PDBOR0V153	None	None	G4T3/S3	4.3		No	No
<i>Plagiobothrys torreyi</i> var. <i>torreyi</i> Yosemite popcornflower	PDBOR0V152	None	None	G4T3Q/S3	1B.2		No	Yes
<i>Plagiobothrys uncinatus</i> hooked popcornflower	PDBOR0V170	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Plagiobothrys verrucosus</i> warty popcorn-flower	PDBOR0V1D0	None	None	G4?/S1	2B.1		No	Yes
<i>Platanthera stricta</i> slender bog-orchid	PMORC1Y0P0	None	None	G5/S3	4.2		No	No
<i>Platanthera yosemitensis</i> Yosemite bog orchid	PMORC1Y1B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Platystemon californicus</i> var. <i>ciliatus</i> Santa Barbara Island cream cups	PDPAP0J022	None	None	G5T1Q/S1	1B.2		No	Yes
<i>Pleuropogon californicus</i> var. <i>davyi</i> Davy's semaphore grass	PMPOA7Y012	None	None	G5T3/S3	4.3		No	No
<i>Pleuropogon hooverianus</i> North Coast semaphore grass	PMPOA4Y070	None	Threatened	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Pleuropogon refractus</i> nodding semaphore grass	PMPOA4Y080	None	None	G4/S4	4.2		No	No
<i>Poa abbreviata</i> ssp. <i>marshii</i> Marsh's blue grass	PMPOA4Z013	None	None	G5T2/S1	2B.3		No	Yes
<i>Poa abbreviata</i> ssp. <i>pattersonii</i> Patterson's blue grass	PMPOA4Z015	None	None	G5T5/S1	2B.3		No	Yes
<i>Poa atropurpurea</i> San Bernardino blue grass	PMPOA4Z0A0	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Poa diaboli</i> Diablo Canyon blue grass	PMPOA4Z390	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Poa lettermanii</i> Letterman's blue grass	PMPOA4Z1H0	None	None	G4/S3	2B.3		No	Yes
<i>Poa napensis</i> Napa blue grass	PMPOA4Z1R0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Poa piperi</i> Piper's blue grass	PMPOA4Z200	None	None	G4/S3	4.3		No	No
<i>Poa rhizomata</i> timber blue grass	PMPOA4Z250	None	None	G3G4/S3S4	4.3		No	No
<i>Poa sierrae</i> Sierra blue grass	PMPOA4Z310	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes

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<i>Podistera nevadensis</i> Sierra podistera	PDAP11T030	None	None	G4/S4	4.3		No	No
<i>Pogogyne abramsii</i> San Diego mesa mint	PDLAM1K010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pogogyne clareana</i> Santa Lucia mint	PDLAM1K020	None	Endangered	G2/S2	1B.2		Yes	Yes
<i>Pogogyne floribunda</i> profuse-flowered pogogyne	PDLAM1K070	None	None	G4/S4	4.2		No	Yes
<i>Pogogyne nudiuscula</i> Otay Mesa mint	PDLAM1K040	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Polemonium carneum</i> Oregon polemonium	PDPLM0E050	None	None	G4/S1	2B.2		No	Yes
<i>Polemonium chartaceum</i> Mason's sky pilot	PDPLM0E0T0	None	None	G2/S2	1B.3	USFS:S	Yes	Yes
<i>Polemonium eddyense</i> Mt. Eddy sky pilot	PDPLM0E0S0	None	None	G1/S1	1B.2		No	Yes
<i>Poliomintha incana</i> frosted mint	PDLAM1L020	None	None	G5/SH	2A		No	Yes
<i>Polyctenium fremontii</i> var. <i>fremontii</i> Fremont's combleaf	PDBRA23012	None	None	G4T4/S4	4.3		No	No
<i>Polyctenium williamsiae</i> Williams' combleaf	PDBRA23030	None	None	G2Q/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Polygala acanthoclada</i> thorny milkwort	PDPGL02020	None	None	G4/S1	2B.3		No	Yes
<i>Polygala cornuta</i> var. <i>fishiae</i> Fish's milkwort	PDPGL020B2	None	None	G5T4/S4	4.3		No	No
<i>Polygala heterorhyncha</i> notch-beaked milkwort	PDPGL02270	None	None	G3/S2	2B.3		No	Yes
<i>Polygala intermontana</i> intermountain milkwort	PDPGL021U0	None	None	G3?/S2	2B.1		No	Yes
<i>Polygala subspinosa</i> spiny milkwort	PDPGL021Q0	None	None	G4?/S3	2B.2		No	Yes
<i>Polygonum bidwelliae</i> Bidwell's knotweed	PDPGN0L0C0	None	None	G4/S4	4.3		No	No
<i>Polygonum hickmanii</i> Scotts Valley polygonum	PDPGN0L310	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Polygonum marinense</i> Marin knotweed	PDPGN0L1C0	None	None	G2Q/S2	3.1		No	Yes

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<i>Polygonum polygaloides</i> ssp. <i>esotericum</i> Modoc County knotweed	PDPGN0L1Y2	None	None	G4G5T3/S3	1B.1	BLM:S	No	Yes
<i>Polystichum kruckebergii</i> Kruckeberg's sword fern	PPDRY0R0C0	None	None	G4/S4	4.3		No	No
<i>Polystichum lonchitis</i> northern holly fern	PPDRY0R0F0	None	None	G5/S2?	3		No	No
<i>Populus angustifolia</i> narrow-leaved cottonwood	PDSAL01020	None	None	G5/S2S3	2B.2		No	Yes
<i>Portulaca halimoides</i> desert portulaca	PDPOR06040	None	None	G5/S3	4.2		Yes	No
<i>Potamogeton epiphydrus</i> Nuttall's ribbon-leaved pondweed	PMPOT03080	None	None	G5/S2S3	2B.2		No	Yes
<i>Potamogeton foliosus</i> ssp. <i>fibrillosus</i> fibrous pondweed	PMPOT030B1	None	None	G5T2T4/S1S2	2B.3		No	Yes
<i>Potamogeton praelongus</i> white-stemmed pondweed	PMPOT030V0	None	None	G5/S1S2	2B.3		No	Yes
<i>Potamogeton robbinsii</i> Robbins' pondweed	PMPOT030Z0	None	None	G5/S3	2B.3		No	Yes
<i>Potamogeton zosteriformis</i> eel-grass pondweed	PMPOT03160	None	None	G5/S3	2B.2		No	Yes
<i>Potentilla basaltica</i> Black Rock potentilla	PDROS1B270	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Potentilla concinna</i> var. <i>proxima</i> early cinquefoil	PDROS1B0F8	None	None	G5?T4T5/S1	2B.3		No	Yes
<i>Potentilla cristae</i> crested potentilla	PDROS1B2F0	None	None	G2/S2	1B.3		No	Yes
<i>Potentilla hickmanii</i> Hickman's cinquefoil	PDROS1B0U0	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Potentilla morefieldii</i> Morefield's cinquefoil	PDROS1B2R0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Potentilla multijuga</i> Ballona cinquefoil	PDROS1B120	None	None	GX/SX	1A		No	Yes
<i>Potentilla newberryi</i> Newberry's cinquefoil	PDROS1B130	None	None	G3G4/S2S3	2B.3		No	Yes
<i>Potentilla pulcherrima</i> beautiful cinquefoil	PDROS1B2P0	None	None	G5/S1	2B.2		No	Yes
<i>Potentilla rimicola</i> cliff cinquefoil	PDROS1B2G0	None	None	G2G4/S1	2B.3	USFS:S	No	Yes

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<i>Potentilla uliginosa</i> Cunningham Marsh cinquefoil	PDROS1B4A0	None	None	GH/SH	1A		No	Yes
<i>Primula pauciflora</i> beautiful shootingstar	PDPRI030D0	None	None	G5/S3	4.2		No	No
<i>Proboscidea althaeifolia</i> desert unicorn-plant	PDPED06010	None	None	G5/S4	4.3		Yes	No
<i>Prosartes parvifolia</i> Siskiyou bells	PMLIL0R014	None	None	G2?/S2	1B.2	USFS:S	No	Yes
<i>Prunus eremophila</i> Mojave Desert plum	PDROS1C1Q0	None	None	G1/S1	1B.2		No	Yes
<i>Prunus fasciculata</i> var. <i>punctata</i> sand almond	PDROS1C0E2	None	None	G5T4/S4	4.3		No	No
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	PDAST7P010	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Pseudobahia peirsonii</i> San Joaquin adobe sunburst	PDAST7P030	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	PDAST440C0	None	None	G4/S2	2B.2		No	Yes
<i>Pseudorontium cyathiferum</i> Deep Canyon snapdragon	PDSCR2R010	None	None	G4?/S1	2B.3		No	Yes
<i>Pseudostellaria sierrae</i> Sierra starwort	PDCAR13020	None	None	G3G4/S3S4	4.2		No	No
<i>Psilocarphus brevissimus</i> var. <i>multiflorus</i> Delta woolly-marbles	PDAST7R012	None	None	G4T3/S3	4.2		No	No
<i>Psilocarphus elatior</i> tall woolly-marbles	PDAST7R020	None	None	G4G5Q/S2S3	4.3		No	No
<i>Psorothamnus arborescens</i> var. <i>arborescens</i> Mojave indigo-bush	PDFAB3C011	None	None	G5T4/S4	4.3		Yes	No
<i>Psorothamnus fremontii</i> var. <i>attenuatus</i> narrow-leaved psorothamnus	PDFAB3C031	None	None	G5T3?/S3	2B.3		No	Yes
<i>Puccinellia howellii</i> Howell's alkali grass	PMPOA531A0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Puccinellia parishii</i> Parish's alkali grass	PMPOA530T0	None	None	G2G3/S1	1B.1	BLM:S	No	Yes
<i>Puccinellia pumila</i> dwarf alkali grass	PMPOA531L0	None	None	G4?/SH	2B.2		No	Yes
<i>Pyrola chlorantha</i> green-flowered wintergreen	PDPYR04030	None	None	G5/SH	2A		No	Yes

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<i>Pyrrocomma lucida</i> sticky pyrrocoma	PDASTDT0E0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Pyrrocomma racemosa</i> var. <i>congesta</i> Del Norte pyrrocoma	PDASTDT0F4	None	None	G5T4/S2	2B.3		No	Yes
<i>Pyrrocomma racemosa</i> var. <i>pinetorum</i> pine pyrrocoma	PDASTDT0F2	None	None	G5T3/S3	4.2		No	No
<i>Pyrrocomma uniflora</i> var. <i>gossypina</i> Bear Valley pyrrocoma	PDASTDT0K1	None	None	G5T1/S1	1B.2	USFS:S	Yes	Yes
<i>Quercus cedrosensis</i> Cedros Island oak	PDFAG05650	None	None	G2?/S1	2B.2		No	Yes
<i>Quercus dumosa</i> Nuttall's scrub oak	PDFAG050D0	None	None	G3/S3	1B.1	USFS:S	No	Yes
<i>Quercus durata</i> var. <i>gabrielensis</i> San Gabriel oak	PDFAG050G2	None	None	G4T3/S3	4.2		No	No
<i>Quercus engelmannii</i> Engelmann oak	PDFAG050K0	None	None	G3/S3	4.2		No	No
<i>Quercus pacifica</i> island scrub oak	PDFAG05620	None	None	G4/S4	4.2		No	No
<i>Quercus parvula</i> var. <i>parvula</i> Santa Cruz Island oak	PDFAG051Q1	None	None	G4T3/S3	4.2		No	No
<i>Quercus parvula</i> var. <i>tamalpaisensis</i> Tamalpais oak	PDFAG051Q3	None	None	G4T2/S2	1B.3		No	Yes
<i>Quercus tomentella</i> island oak	PDFAG05250	None	None	G3/S3	4.2		No	No
<i>Quercus turbinella</i> shrub live oak	PDFAG05270	None	None	G5/S4	4.3		No	No
<i>Raillardella pringlei</i> showy raillardella	PDAST7X030	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Ranunculus hydrocharoides</i> frog's-bit buttercup	PDRAN0L190	None	None	G4G5/S1	2B.1		No	Yes
<i>Ranunculus lobbii</i> Lobb's aquatic buttercup	PDRAN0L1J0	None	None	G4/S3	4.2		No	No
<i>Ranunculus macounii</i> Macoun's buttercup	PDRAN0L1M0	None	None	G5/S2	2B.2		No	Yes
<i>Rhamnus alnifolia</i> alder buckthorn	PDRHA0C010	None	None	G5/S3	2B.2		No	Yes
<i>Rhamnus pirifolia</i> island redberry	PDRHA0C0A0	None	None	G4/S4	4.2		Yes	No

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<i>Rhus aromatica</i> var. <i>simplicifolia</i> single-leaved skunkbrush	PDANA080B5	None	None	G5T3T5/S2	2B.3		No	Yes
<i>Rhynchospora alba</i> white beaked-rush	PMCYP0N010	None	None	G5/S2	2B.2		No	Yes
<i>Rhynchospora californica</i> California beaked-rush	PMCYP0N060	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Rhynchospora capitellata</i> brownish beaked-rush	PMCYP0N080	None	None	G5/S1	2B.2		No	Yes
<i>Rhynchospora globularis</i> round-headed beaked-rush	PMCYP0N0W0	None	None	G5/S1	2B.1		No	Yes
<i>Ribes amarum</i> var. <i>hoffmannii</i> Hoffmann's bitter gooseberry	PDGRO02012	None	None	G4? T2T3/S2S3	3		No	No
<i>Ribes canthariforme</i> Moreno currant	PDGRO02070	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Ribes divaricatum</i> var. <i>parishii</i> Parish's gooseberry	PDGRO020F3	None	None	G4TH/SH	1A		No	Yes
<i>Ribes hudsonianum</i> var. <i>petiolare</i> western black currant	PDGRO020N2	None	None	G5T3T5/S2	2B.3		No	Yes
<i>Ribes laxiflorum</i> trailing black currant	PDGRO020V0	None	None	G5/S4	4.3		No	No
<i>Ribes marshallii</i> Marshall's gooseberry	PDGRO020Z0	None	None	G4/S4	4.3		No	No
<i>Ribes menziesii</i> var. <i>ixoderme</i> aromatic canyon gooseberry	PDGRO02104	None	None	G4T2/S2	1B.2		No	Yes
<i>Ribes roezlii</i> var. <i>amicturn</i> hoary gooseberry	PDGRO021B1	None	None	G5T4/S4	4.3		No	No
<i>Ribes sericeum</i> Santa Lucia gooseberry	PDGRO021F0	None	None	G4?/S4?	4.3		No	No
<i>Ribes thacherianum</i> Santa Cruz Island gooseberry	PDGRO02109	None	None	G2/S2	1B.2		Yes	Yes
<i>Ribes tularense</i> Sequoia gooseberry	PDGRO021L0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Ribes viburnifolium</i> Santa Catalina Island currant	PDGRO021P0	None	None	G2?/S2?	1B.2		Yes	Yes
<i>Ribes victoris</i> Victor's gooseberry	PDGRO021Q0	None	None	G4/S4	4.3		No	No
<i>Robinia neomexicana</i> New Mexico locust	PDFAB3G070	None	None	G4/S1	2B.3		No	Yes

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<i>Romanzoffia tracyi</i> Tracy's romanzoffia	PDHYD0E030	None	None	G4/S2	2B.3		No	Yes
<i>Romneya coulteri</i> Coulter's matilija poppy	PDPAP0L010	None	None	G4/S4	4.2		Yes	No
<i>Rorippa columbiana</i> Columbia yellow cress	PDBRA27060	None	None	G3/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Rorippa subumbellata</i> Tahoe yellow cress	PDBRA270M0	Candidate	Endangered	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Rosa gymnocarpa</i> var. <i>serpentina</i> Gasquet rose	PDROS1J1V1	None	None	G5T2/S2	1B.3		No	Yes
<i>Rosa minutifolia</i> small-leaved rose	PDROS1J1B0	None	Endangered	G3/SX	2B.1		Yes	Yes
<i>Rosa pinetorum</i> pine rose	PDROS1J0W0	None	None	G2Q/S2	1B.2		No	Yes
<i>Rubus glaucifolius</i> var. <i>ganderi</i> Cuyamaca raspberry	PDROS1K2N1	None	None	G5T1Q/S1	3.1		No	Yes
<i>Rubus nivalis</i> snow dwarf bramble	PDROS1K4S0	None	None	G4?/S1	2B.3		No	Yes
<i>Rumex venosus</i> winged dock	PDPGN0P1K0	None	None	G5?/S3	2B.3		No	Yes
<i>Rupertia hallii</i> Hall's rupertia	PDFAB62010	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Rupertia rigida</i> Parish's rupertia	PDFAB62030	None	None	G4/S4	4.3		No	No
<i>Sagittaria sanfordii</i> Sanford's arrowhead	PMALI040Q0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Salix bebbiana</i> Bebb's willow	PDSAL020E0	None	None	G5/S1	2B.3		No	Yes
<i>Salix brachycarpa</i> var. <i>brachycarpa</i> short-fruited willow	PDSAL020H5	None	None	G5T5/S2	2B.3		No	Yes
<i>Salix delnortensis</i> Del Norte willow	PDSAL023F0	None	None	G4/S4	4.3		No	No
<i>Salix nivalis</i> snow willow	PDSAL024K0	None	None	G5/S2	2B.3		No	Yes
<i>Saltugilia caruifolia</i> caraway-leaved woodland-gilia	PDPLM040C0	None	None	G4/S4	4.3		Yes	No
<i>Saltugilia latimeri</i> Latimer's woodland-gilia	PDPLM0H010	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

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<i>Salvia brandegeei</i> Brandegee's sage	PDLAM1S080	None	None	G3/S3	1B.2		No	Yes
<i>Salvia dorrii</i> var. <i>incana</i> fleshy sage	PDLAM1S0G8	None	None	G5T5/S1S2	3		No	No
<i>Salvia eremostachya</i> desert sage	PDLAM1S0K0	None	None	G4/S3	4.3		Yes	No
<i>Salvia funerea</i> Death Valley sage	PDLAM1S0M0	None	None	G4/S4	4.3		No	No
<i>Salvia greatae</i> Orocopia sage	PDLAM1S0P0	None	None	G2G3/S2S3	1B.3	BLM:S	Yes	Yes
<i>Salvia munzii</i> Munz's sage	PDLAM1S140	None	None	G3/S2	2B.2		Yes	Yes
<i>Sanguisorba officinalis</i> great burnet	PDROS1L060	None	None	G5?/S2	2B.2		No	Yes
<i>Sanicula hoffmannii</i> Hoffmann's sanicle	PDAPI1Z090	None	None	G3/S3	4.3		Yes	No
<i>Sanicula maritima</i> adobe sanicle	PDAPI1Z0D0	None	Rare	G2/S2	1B.1	USFS:S	No	Yes
<i>Sanicula peckiana</i> Peck's sanicle	PDAPI1Z0E0	None	None	G4/S3	4.3		No	No
<i>Sanicula saxatilis</i> rock sanicle	PDAPI1Z0H0	None	Rare	G2/S2	1B.2	BLM:S	No	Yes
<i>Sanicula tracyi</i> Tracy's sanicle	PDAPI1Z0K0	None	None	G4/S4	4.2	USFS:S	No	Yes
<i>Sanvitalia abertii</i> Abert's sanvitalia	PDAST89010	None	None	G5/S1S2	2B.2		Yes	Yes
<i>Sarcobatus baileyi</i> Bailey's greasewood	PDCHE0L020	None	None	G4/S1	2B.3		No	Yes
<i>Saussurea americana</i> American saw-wort	PDAST8B020	None	None	G5/S1	2B.2		No	Yes
<i>Saxifraga cespitosa</i> tufted saxifrage	PDSAX0U0C0	None	None	G5/S1	2B.3		No	Yes
<i>Saxifraga rufidula</i> red-wool saxifrage	PDSAX0U1H0	None	None	G5?/S1	2B.3		No	Yes
<i>Scheuchzeria palustris</i> American scheuchzeria	PMSCH02010	None	None	G5/S1	2B.1	USFS:S	No	Yes
<i>Schoenoplectus heterochaetus</i> slender bulrush	PMCPY0Q0T0	None	None	G5/S1	2B.3		No	Yes

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<i>Schoenoplectus subterminalis</i> water bulrush	PMCYP0Q1G0	None	None	G4G5/S3	2B.3		No	Yes
<i>Schoenus nigricans</i> black bog-rush	PMCYP0P010	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Scirpus pendulus</i> pendulous bulrush	PMCYP0Q160	None	None	G5/S1	2B.2		No	Yes
<i>Sclerocactus johnsonii</i> Johnson's bee-hive cactus	PDCAC0J0H0	None	None	G3G4/S2	2B.2		No	Yes
<i>Sclerocactus polyancistrus</i> Mojave fish-hook cactus	PDCAC0J050	None	None	G3/S3	4.2		Yes	No
<i>Scleropogon brevifolius</i> burro grass	PMPOA5G010	None	None	G5/S1	2B.3		No	Yes
<i>Scrophularia atrata</i> black-flowered figwort	PDSCR1S010	None	None	G2G3/S2S3	1B.2		Yes	Yes
<i>Scrophularia villosa</i> Santa Catalina figwort	PDSCR1S0D0	None	None	G3/S3	1B.2		Yes	Yes
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i> southern mountains skullcap	PDLAM1U0A1	None	None	G4T2/S2	1B.2	USFS:S	No	Yes
<i>Scutellaria galericulata</i> marsh skullcap	PDLAM1U0J0	None	None	G5/S2	2B.2		No	Yes
<i>Scutellaria holmgreniorum</i> Holmgren's skullcap	PDLAM1U1C0	None	None	G3Q/S3	3.3		No	Yes
<i>Scutellaria lateriflora</i> side-flowering skullcap	PDLAM1U0Q0	None	None	G5/S1	2B.2		No	Yes
<i>Sedella leiocarpa</i> Lake County stonecrop	PDCRA0F020	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Sedum albomarginatum</i> Feather River stonecrop	PDCRA0A030	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Sedum divergens</i> Cascade stonecrop	PDCRA0A0B0	None	None	G5?/S2	2B.3		No	Yes
<i>Sedum laxum</i> ssp. <i>eastwoodiae</i> Red Mountain stonecrop	PDCRA0A0L1	Candidate	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Sedum laxum</i> ssp. <i>flavidum</i> pale yellow stonecrop	PDCRA0A0L2	None	None	G5T4Q/S4	4.3		No	Yes
<i>Sedum laxum</i> ssp. <i>heckneri</i> Heckner's stonecrop	PDCRA0A0L3	None	None	G5T4Q/S4	4.3		No	No
<i>Sedum niveum</i> Davidson's stonecrop	PDCRA0A0R0	None	None	G3/S3	4.2	USFS:S	Yes	No

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<i>Sedum oblaneolatum</i> Applegate stonecrop	PDCRA0A0T0	None	None	G3/S1	1B.1		Yes	Yes
<i>Sedum obtusatum ssp. paradisum</i> Canyon Creek stonecrop	PDCRA0A0U3	None	None	G4G5T2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Sedum pinetorum</i> Pine City sedum	PDCRA0A0Z0	None	None	GUGHQ/SUS H	3		No	No
<i>Selaginella asprella</i> bluish spike-moss	PPSEL01060	None	None	G4/S4	4.3		No	No
<i>Selaginella cinerascens</i> ashy spike-moss	PPSEL01090	None	None	G3G4/S3S4	4.1		No	No
<i>Selaginella eremophila</i> desert spike-moss	PPSEL010G0	None	None	G4/S2S3	2B.2		No	Yes
<i>Selaginella leucobryoides</i> Mojave spike-moss	PPSEL010P0	None	None	G4/S3S4	4.3		No	No
<i>Selaginella scopulorum</i> Rocky Mountain spike-moss	PPSEL010C2	None	None	G4G5/S2S3	3		No	No
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3?/S2	2B.2		No	Yes
<i>Senecio astephanus</i> San Gabriel ragwort	PDAST8H090	None	None	G3/S3	4.3		Yes	No
<i>Senecio blochmaniae</i> Blochman's ragwort	PDAST8H0G0	None	None	G3/S3	4.2		No	No
<i>Senecio clelandii var. clelandii</i> Cleveland's ragwort	PDAST8H0R1	None	None	G4?T3Q/S3	4.3		No	No
<i>Senecio clelandii var. heterophyllus</i> Red Hills ragwort	PDAST8H0R2	None	None	G4?T2Q/S2?	1B.2	BLM:S	No	Yes
<i>Senecio hydrophiloides</i> sweet marsh ragwort	PDAST8H400	None	None	G4G5/S2S3	4.2		No	No
<i>Senecio pattersonensis</i> Mt. Patterson senecio	PDAST8H2C0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Senna covesii</i> Cove's cassia	PDFAB491X0	None	None	G5?/S3	2B.2		Yes	Yes
<i>Shepherdia canadensis</i> Canadian buffalo-berry	PDELG03020	None	None	G5/S1	2B.1		No	Yes
<i>Sibara deserti</i> desert winged-rockcress	PDBRA2A010	None	None	G4/S4	4.3		No	No
<i>Sibara filifolia</i> Santa Cruz Island winged-rockcress	PDBRA2A020	Endangered	None	G1/S1	1B.1		Yes	Yes

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<i>Sibaropsis hammittii</i> Hammitt's clay-cress	PDBRA32010	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Sidalcea calycosa ssp. rhizomata</i> Point Reyes checkerbloom	PDMAL11012	None	None	G5T2/S2	1B.2		No	Yes
<i>Sidalcea celata</i> Redding checkerbloom	PDMAL110FG	None	None	G2G3/S2S3	3		No	No
<i>Sidalcea covillei</i> Owens Valley checkerbloom	PDMAL11040	None	Endangered	G2/S2	1B.1	BLM:S	No	Yes
<i>Sidalcea elegans</i> Del Norte checkerbloom	PDMAL110F5	None	None	G4?/S2?	3.3		No	No
<i>Sidalcea gigantea</i> giant checkerbloom	PDMAL110T0	None	None	G3/S3	4.3		No	No
<i>Sidalcea hickmanii ssp. anomala</i> Cuesta Pass checkerbloom	PDMAL110A1	None	Rare	G3T1/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Sidalcea hickmanii ssp. hickmanii</i> Hickman's checkerbloom	PDMAL110A2	None	None	G3T2/S2	1B.3	USFS:S	Yes	Yes
<i>Sidalcea hickmanii ssp. napensis</i> Napa checkerbloom	PDMAL110A6	None	None	G3T1/S1	1B.1		No	Yes
<i>Sidalcea hickmanii ssp. parishii</i> Parish's checkerbloom	PDMAL110A3	None	Rare	G3T1/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Sidalcea hickmanii ssp. pillsburiensis</i> Lake Pillsbury checkerbloom	PDMAL110A5	None	None	G3T1/S1	1B.2	USFS:S	No	Yes
<i>Sidalcea hickmanii ssp. viridis</i> Marin checkerbloom	PDMAL110A4	None	None	G3T1T2/S1S2	1B.3		No	Yes
<i>Sidalcea keckii</i> Keck's checkerbloom	PDMAL110D0	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Sidalcea malachroides</i> maple-leaved checkerbloom	PDMAL110E0	None	None	G3/S3	4.2		No	Yes
<i>Sidalcea malviflora ssp. dolosa</i> Bear Valley checkerbloom	PDMAL110FH	None	None	G5T2T3/S2S3	1B.2	USFS:S	No	Yes
<i>Sidalcea malviflora ssp. patula</i> Siskiyou checkerbloom	PDMAL110F9	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Sidalcea malviflora ssp. purpurea</i> purple-stemmed checkerbloom	PDMAL110FL	None	None	G5T1/S1	1B.2		No	Yes
<i>Sidalcea multifida</i> cut-leaf checkerbloom	PDMAL110G0	None	None	G3/S2	2B.3		No	Yes
<i>Sidalcea neomexicana</i> Salt Spring checkerbloom	PDMAL110J0	None	None	G4?/S2S3	2B.2	USFS:S	No	Yes

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<i>Sidalcea oregana ssp. eximia</i> coast sidalcea	PDMAL110K9	None	None	G5T1/S1	1B.2	BLM:S	No	Yes
<i>Sidalcea oregana ssp. hydrophila</i> marsh checkerbloom	PDMAL110K2	None	None	G5T3/S3	1B.2		No	Yes
<i>Sidalcea oregana ssp. valida</i> Kenwood Marsh checkerbloom	PDMAL110K5	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Sidalcea pedata</i> bird-foot checkerbloom	PDMAL110L0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Sidalcea robusta</i> Butte County checkerbloom	PDMAL110P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Sidalcea stipularis</i> Scadden Flat checkerbloom	PDMAL110R0	None	Endangered	G1/S1	1B.1		Yes	Yes
<i>Sidothea caryophylloides</i> chickweed oxytheca	PDPGN0J010	None	None	G4/S4	4.3	USFS:S	No	No
<i>Sidothea emarginata</i> white-margined oxytheca	PDPGN0J030	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Silene aperta</i> Tulare campion	PDCAR0U050	None	None	G4/S4	4.3		No	No
<i>Silene campanulata ssp. campanulata</i> Red Mountain catchfly	PDCAR0U0A2	None	Endangered	G5T3Q/S3	4.2	BLM:S	No	Yes
<i>Silene marmorensis</i> Marble Mountain campion	PDCAR0U0Z0	None	None	G2/S2	1B.2		No	Yes
<i>Silene occidentalis ssp. longistipitata</i> long-stiped campion	PDCAR0U161	None	None	G4T2Q/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Silene occidentalis ssp. occidentalis</i> Western campion	PDCAR0U162	None	None	G4T3/S3	4.3		No	No
<i>Silene oregana</i> Oregon campion	PDCAR0U170	None	None	G5/S2	2B.3		No	Yes
<i>Silene salmonacea</i> Klamath Mountain catchfly	PDCAR0U2D0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Silene serpentinicola</i> serpentine catchfly	PDCAR0U2B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Silene suksdorfii</i> Cascade alpine campion	PDCAR0U1W0	None	None	G4/S3	2B.3		No	Yes
<i>Silene verecunda ssp. verecunda</i> San Francisco campion	PDCAR0U213	None	None	G5T2/S2	1B.2		No	Yes
<i>Sisyrinchium funereum</i> Death Valley blue-eyed grass	PMIRI0D0L0	None	None	G2/S2	1B.3		No	Yes

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<i>Sisyrinchium hitchcockii</i> Hitchcock's blue-eyed grass	PMIRI0D0S0	None	None	G2/S1	1B.1		No	Yes
<i>Sisyrinchium longipes</i> timberland blue-eyed grass	PMIRI0D0Y0	None	None	G3/S1	2B.2	USFS:S	No	Yes
<i>Smelowskia ovalis</i> alpine smelowskia	PDBRA2D040	None	None	G5/S1	1B.2		No	Yes
<i>Smilax jamesii</i> English Peak greenbrier	PMSMI010D0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Solanum clokeyi</i> island nightshade	PDSOL0Z450	None	None	G3/S3	4.2		No	No
<i>Solanum wallacei</i> Wallace's nightshade	PDSOL0Z280	None	None	G2Q/S2	1B.1		Yes	Yes
<i>Solidago guiradonis</i> Guirado's goldenrod	PDAST8P0T0	None	None	G3G4/S3S4	4.3		No	No
<i>Solidago lepida var. salebrosa</i> Rocky Mountains Canada goldenrod	PDAST8P2D3	None	None	G5T5/S1	3.2		No	Yes
<i>Sparganium natans</i> small bur-reed	PMSPA01090	None	None	G5/S3S4	4.3		No	No
<i>Spartina gracilis</i> alkali cord grass	PMPOA5S060	None	None	G5/S3	4.2		No	No
<i>Spergularia canadensis var. occidentalis</i> western sand-spurrey	PDCAR0W032	None	None	G5T4?/S1	2B.1		No	Yes
<i>Spermolepis echinata</i> bristly scaleseed	PDAP123020	None	None	G5/S1	2B.3		No	Yes
<i>Sphaeralcea grossulariifolia</i> currant-leaved desert mallow	PDMAL14090	None	None	G4G5/S2S3	2B.3		No	Yes
<i>Sphaeralcea munroana</i> Munro's desert mallow	PDMAL140F0	None	None	G4/S1	2B.2		No	Yes
<i>Sphaeralcea rusbyi var. eremicola</i> Rusby's desert-mallow	PDMAL140L1	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Sphaeromeria potentilloides var. nitrophila</i> alkali tansy-sage	PDAST8S061	None	None	G5T4/S2	2B.2		No	Yes
<i>Sphenopholis obtusata</i> prairie wedge grass	PMPOA5T030	None	None	G5/S2	2B.2		No	Yes
<i>Stachys pilosa</i> hairy marsh hedge-nettle	PDLAM1X1A0	None	None	G5/S2	2B.3		No	Yes
<i>Stanleya viridiflora</i> green-flowered prince's plume	PDBRA2E060	None	None	G4/S1S2	2B.3		No	Yes

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<i>Stebbinsoseris decipiens</i> Santa Cruz microseris	PDAST6E050	None	None	G2/S2	1B.2		No	Yes
<i>Stellaria littoralis</i> beach starwort	PDCAR0X0L0	None	None	G3/S3	4.2		No	No
<i>Stellaria longifolia</i> long-leaved starwort	PDCAR0X0M0	None	None	G5/S2	2B.2		No	Yes
<i>Stellaria obtusa</i> obtuse starwort	PDCAR0X0U0	None	None	G5/S4	4.3		No	Yes
<i>Stemodia durantifolia</i> purple stemodia	PDSCR1U010	None	None	G5/S2	2B.1		No	Yes
<i>Stenotus lanuginosus</i> var. <i>lanuginosus</i> woolly stenotus	PDASTCX012	None	None	G5T5/S3	2B.2	BLM:S	No	Yes
<i>Stipa arida</i> Mormon needle grass	PMPOA5X010	None	None	G5/S2?	2B.3		No	Yes
<i>Stipa diegoensis</i> San Diego County needle grass	PMPOA5X0B0	None	None	G4/S4	4.2		No	No
<i>Stipa divaricata</i> small-flowered rice grass	PMPOA4J070	None	None	G5/S2S3	2B.3		No	Yes
<i>Stipa exigua</i> little ricegrass	PMPOA80030	None	None	G5/S2	2B.3	BLM:S	No	Yes
<i>Stipa lemmonii</i> var. <i>pubescens</i> pubescent needle grass	PMPOA5X0F2	None	None	G5T1T2Q/S1?	3.2		No	No
<i>Streptanthus albidus</i> ssp. <i>albidus</i> Metcalf Canyon jewelflower	PDBRA2G011	Endangered	None	G2T1/S1	1B.1	BLM:S	Yes	Yes
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i> most beautiful jewelflower	PDBRA2G012	None	None	G2T2/S2	1B.2	USFS:S	Yes	Yes
<i>Streptanthus barbiger</i> bearded jewelflower	PDBRA2G040	None	None	G3/S3	4.2		No	No
<i>Streptanthus batrachopus</i> Tamalpais jewelflower	PDBRA2G050	None	None	G1/S1	1B.3		No	Yes
<i>Streptanthus bernardinus</i> Laguna Mountains jewelflower	PDBRA2G060	None	None	G3/S3	4.3		Yes	Yes
<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i> Socrates Mine jewelflower	PDBRA2G072	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus brachiatus</i> ssp. <i>hoffmanii</i> Freed's jewelflower	PDBRA2G071	None	None	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Streptanthus callistus</i> Mt. Hamilton jewelflower	PDBRA2G0A0	None	None	G1/S1	1B.3	BLM:S	No	Yes

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<i>Streptanthus campestris</i> southern jewelflower	PDBRA2G0B0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Streptanthus cordatus</i> var. <i>piutensis</i> Piute Mountains jewelflower	PDBRA2G0D2	None	None	G5T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Streptanthus drepanoides</i> sickle-fruit jewelflower	PDBRA2G200	None	None	G4/S4	4.3		No	No
<i>Streptanthus farnsworthianus</i> Farnsworth's jewelflower	PDBRA2G0G0	None	None	G4/S4	4.3		Yes	No
<i>Streptanthus fenestratus</i> Tehipite Valley jewelflower	PDBRA2G0H0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Streptanthus glandulosus</i> ssp. <i>hoffmanii</i> Hoffman's bristly jewelflower	PDBRA2G0J4	None	None	G4TH/SH	1B.3	BLM:S	No	Yes
<i>Streptanthus glandulosus</i> ssp. <i>niger</i> Tiburon jewelflower	PDBRA2G0T0	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Streptanthus glandulosus</i> ssp. <i>pulchellus</i> Mt. Tamalpais bristly jewelflower	PDBRA2G0J2	None	None	G4T2/S2	1B.2		Yes	Yes
<i>Streptanthus gracilis</i> alpine jewelflower	PDBRA2G0K0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Streptanthus hesperidis</i> green jewelflower	PDBRA2G510	None	None	G2/S2	1B.2		No	Yes
<i>Streptanthus hispidus</i> Mt. Diablo jewelflower	PDBRA2G0M0	None	None	G1/S1	1B.3		No	Yes
<i>Streptanthus howellii</i> Howell's jewelflower	PDBRA2G0N0	None	None	G2G3/S2	1B.2	USFS:S	No	Yes
<i>Streptanthus insignis</i> ssp. <i>lyonii</i> Arburua Ranch jewelflower	PDBRA2G0Q1	None	None	G3G4T2/S2	1B.2		No	Yes
<i>Streptanthus longisiliquus</i> long-fruit jewelflower	PDBRA2G400	None	None	G3/S3	4.3		No	No
<i>Streptanthus morrisonii</i> ssp. <i>elatus</i> Three Peaks jewelflower	PDBRA2G0S1	None	None	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii</i> ssp. <i>hirtiflorus</i> Dorr's Cabin jewelflower	PDBRA2G0S2	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii</i> ssp. <i>kruckebergii</i> Kruckeberg's jewelflower	PDBRA2G0S4	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii</i> ssp. <i>morrisonii</i> Morrison's jewelflower	PDBRA2G0S3	None	None	G2T2/S2	1B.2	BLM:S	No	Yes

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<i>Streptanthus oblanceolatus</i> Trinity River jewelflower	PDBRA2G500	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Streptanthus oliganthus</i> Masonic Mountain jewelflower	PDBRA2G0V0	None	None	G2G3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Streptanthus vernalis</i> early jewelflower	PDBRA2G120	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Stuckenia filiformis ssp. alpina</i> slender-leaved pondweed	PMPOT03091	None	None	G5T5/S3	2B.2		No	Yes
<i>Stylocline citroleum</i> oil neststraw	PDAST8Y070	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Stylocline masonii</i> Mason's neststraw	PDAST8Y080	None	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Stylocline sonorensis</i> mesquite neststraw	PDAST8Y060	None	None	G3G5/SX	2A		No	Yes
<i>Suaeda californica</i> California seablite	PDCHE0P020	Endangered	None	G1/S1	1B.1		No	Yes
<i>Suaeda esteroa</i> estuary seablite	PDCHE0P0D0	None	None	G3/S2	1B.2		No	Yes
<i>Suaeda occidentalis</i> western seablite	PDCHE0P080	None	None	G5/S2	2B.3		No	Yes
<i>Suaeda taxifolia</i> woolly seablite	PDCHE0P0L0	None	None	G3?/S2S3	4.2		No	No
<i>Subularia aquatica ssp. americana</i> water-awlwort	PDBRA2H012	None	None	G5T5/S4	4.3		No	No
<i>Swallenia alexandrae</i> Eureka Valley dune grass	PMPOA5Y010	Endangered	Rare	G2/S2	1B.2		Yes	Yes
<i>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Symphotrichum greatae</i> Greata's aster	PDASTE80U0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Symphotrichum lentum</i> Suisun Marsh aster	PDASTE8470	None	None	G2/S2	1B.2		No	Yes
<i>Synthyris missurica ssp. missurica</i> kitten-tails	PDSCR1W042	None	None	G4T4/S3	2B.3		Yes	Yes
<i>Syntrichopappus lemmonii</i> Lemmon's syntrichopappus	PDAST90020	None	None	G4/S4	4.3		Yes	No
<i>Systenotheca vortriedei</i> Vortriede's spineflower	PDPGN0W010	None	None	G3/S3	4.3		No	No

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<i>Taraxacum californicum</i> California dandelion	PDAST93050	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Taraxacum ceratophorum</i> horned dandelion	PDAST930Y1	None	None	G5/S1	2B.1		No	Yes
<i>Tauschia glauca</i> glaucous tauschia	PDAP127020	None	None	G4/S4	4.3		No	No
<i>Tauschia howellii</i> Howell's tauschia	PDAP127050	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Tetracoccus dioicus</i> Parry's tetracoccus	PDEUP1C010	None	None	G3?/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Tetracoccus hallii</i> Hall's tetracoccus	PDEUP1C021	None	None	G4/S4	4.3		Yes	No
<i>Tetracoccus ilicifolius</i> holly-leaved tetracoccus	PDEUP1C030	None	None	G2/S2	1B.3		No	Yes
<i>Tetradymia argyraea</i> striped horsebrush	PDAST95010	None	None	G4?/S4	4.3		No	No
<i>Tetradymia tetrameres</i> dune horsebrush	PDAST950A0	None	None	G4/S2	2B.2		No	Yes
<i>Teucrium cubense ssp. depressum</i> dwarf germander	PDLAM20032	None	None	G4G5T3T4/S2	2B.2		No	Yes
<i>Teucrium glandulosum</i> desert germander	PDLAM20040	None	None	G4/S2	2B.3		No	Yes
<i>Thalictrum alpinum</i> arctic meadow-rue	PDRAN0M010	None	None	G5/S4	4.3		No	No
<i>Thelypodium brachycarpum</i> short-podded thelypodium	PDBRA2N010	None	None	G3/S3	4.2		No	No
<i>Thelypodium howellii ssp. howellii</i> Howell's thelypodium	PDBRA2N051	None	None	G2T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Thelypodium integrifolium ssp. complanatum</i> foxtail thelypodium	PDBRA2N062	None	None	G5T5/S2	2B.2		No	Yes
<i>Thelypodium milleflorum</i> many-flowered thelypodium	PDBRA2N0A0	None	None	G5/S2S3	2B.2		No	Yes
<i>Thelypodium stenopetalum</i> slender-petaled thelypodium	PDBRA2N0F0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Thelypteris puberula var. sonorensis</i> Sonoran maiden fern	PPTHE05192	None	None	G5T3/S2	2B.2	USFS:S	No	Yes
<i>Thermopsis californica var. argentata</i> silvery false lupine	PDFAB3Z011	None	None	G4T4/S4	4.3		No	No

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<i>Thermopsis californica</i> var. <i>semota</i> velvety false lupine	PDFAB3Z013	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Thermopsis gracilis</i> slender false lupine	PDFAB3Z0C1	None	None	G4/S4	4.3		No	No
<i>Thermopsis macrophylla</i> Santa Ynez false lupine	PDFAB3Z0E0	None	Rare	G1/S1	1B.3	USFS:S	Yes	Yes
<i>Thermopsis robusta</i> robust false lupine	PDFAB3Z0D0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Thysanocarpus conchuliferus</i> Santa Cruz Island fringe pod	PDBRA2Q060	Endangered	None	G1/S1	1B.2		Yes	Yes
<i>Thysanocarpus rigidus</i> rigid fringe pod	PDBRA2Q070	None	None	G1G2/S1S2	1B.2	BLM:S USFS:S	No	Yes
<i>Tiarella trifoliata</i> var. <i>trifoliata</i> trifoliolate laceflower	PDSAX10031	None	None	G5T5/S2S3	3		No	No
<i>Tiquilia canescens</i> var. <i>pulchella</i> Chocolate Mountains tiquilia	PDBOR0Y012	None	None	G5T3T4/S3?	3.2		No	No
<i>Tonestus eximius</i> Tahoe tonestus	PDASTE0030	None	None	G3/S3	4.3		No	No
<i>Tonestus lyallii</i> Lyall's tonestus	PDASTE0050	None	None	G5/S1	2B.3		No	Yes
<i>Tonestus peirsonii</i> Peirson's tonestus	PDASTE0070	None	None	G3/S3	4.3		No	No
<i>Townsendia condensata</i> cushion townsendia	PDAST9C040	None	None	G4/S3	2B.3		No	Yes
<i>Townsendia leptotes</i> slender townsendia	PDAST9C0F0	None	None	G4/S2	2B.3		No	Yes
<i>Toxicoscordion fontanum</i> marsh zigadenus	PMLIL28050	None	None	G3/S3	4.2		No	No
<i>Tracyina rostrata</i> beaked tracyina	PDAST9D010	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Tragia ramosa</i> desert tragia	PDEUP1D090	None	None	G5/S4	4.3		No	No
<i>Transberingia bursifolia</i> ssp. <i>virgata</i> virgate halimolobos	PDBRA1A040	None	None	G4T?/S1	2B.3		No	Yes
<i>Trichocoronis wrightii</i> var. <i>wrightii</i> Wright's trichocoronis	PDAST9F031	None	None	G4T3/S1	2B.1		No	Yes
<i>Trichophorum pumilum</i> little bulrush	PMCYP0Q250	None	None	G5/S1	2B.2		No	Yes

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<i>Trichostema austromontanum</i> ssp. <i>compactum</i> Hidden Lake bluecurls	PDLAM22022	Threatened	None	G3G4T1/S1	1B.1		Yes	Yes
<i>Trichostema micranthum</i> small-flowered bluecurls	PDLAM22080	None	None	G4/S4?	4.3		No	No
<i>Trichostema ovatum</i> San Joaquin bluecurls	PDLAM220A0	None	None	G4/S4	4.2		No	No
<i>Trichostema rubisepalum</i> Hernandez bluecurls	PDLAM220C0	None	None	G4/S4	4.3		Yes	No
<i>Trichostema ruygtii</i> Napa bluecurls	PDLAM220H0	None	None	G2/S2	1B.2		No	Yes
<i>Trientalis europaea</i> arctic starflower	PDPRI0A030	None	None	G5/S1	2B.2		No	Yes
<i>Trifolium amoenum</i> showy rancheria clover	PDFAB40040	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Trifolium andersonii</i> ssp. <i>andersonii</i> Anderson's clover	PDFAB40055	None	None	G5T5/S4	4.3		Yes	No
<i>Trifolium bolanderi</i> Bolander's clover	PDFAB400G0	None	None	G2G3/S2S3	1B.2	USFS:S	Yes	Yes
<i>Trifolium buckwestiorum</i> Santa Cruz clover	PDFAB402W0	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Trifolium dedeckerae</i> Dedecker's clover	PDFAB400Q0	None	None	G2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Trifolium gymnocarpon</i> ssp. <i>plummerae</i> Plummer's clover	PDFAB40112	None	None	G5T4/S2	2B.3		No	Yes
<i>Trifolium howellii</i> Howell's clover	PDFAB40140	None	None	G4/S4	4.3		No	No
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2/S2	1B.2		No	Yes
<i>Trifolium jokerstii</i> Butte County golden clover	PDFAB40310	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Trifolium lemmonii</i> Lemmon's clover	PDFAB401C0	None	None	G3/S3	4.2		Yes	No
<i>Trifolium palmeri</i> southern island clover	PDFAB40102	None	None	G3G4/S3	4.2		Yes	No
<i>Trifolium polyodon</i> Pacific Grove clover	PDFAB402H0	None	Rare	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Trifolium siskiyouense</i> Siskiyou clover	PDFAB402S0	None	None	G3G4Q/S2	3.2		No	No

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<i>Trifolium trichocalyx</i> Monterey clover	PDFAB402J0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Triglochin palustris</i> marsh arrow-grass	PMJCG02040	None	None	G5/S3	2B.3		No	Yes
<i>Trillium ovatum ssp. oettingeri</i> Salmon Mountains wakerobin	PMLIL200M1	None	None	G5T3/S3	4.2		No	No
<i>Triphysaria floribunda</i> San Francisco owl's-clover	PDSCR2T010	None	None	G2/S2	1B.2		No	Yes
<i>Tripterocalyx crux-maltae</i> Kellogg's sand-verbena	PDNYC0G020	None	None	G4/S1	2B.2		No	Yes
<i>Tripterocalyx micranthus</i> small-flowered sand-verbena	PDNYC0G030	None	None	G5/S1	2B.3		No	Yes
<i>Triteleia clementina</i> San Clemente Island triteleia	PMLIL21020	None	None	G2/S2	1B.2		Yes	Yes
<i>Triteleia crocea var. crocea</i> yellow triteleia	PMLIL21031	None	None	G4T4/S3S4	4.3		No	No
<i>Triteleia crocea var. modesta</i> Trinity Mountains triteleia	PMLIL21032	None	None	G4T3/S3	4.3		No	No
<i>Triteleia grandiflora</i> large-flowered triteleia	PMLIL21060	None	None	G4G5/S1	2B.1		No	Yes
<i>Triteleia hendersonii</i> Henderson's triteleia	PMLIL21070	None	None	G4/S1	2B.2		No	Yes
<i>Triteleia ixioides ssp. cookii</i> Cook's triteleia	PMLIL210A2	None	None	G5T3/S3	1B.3	USFS:S	No	Yes
<i>Triteleia lugens</i> dark-mouthed triteleia	PMLIL210D0	None	None	G4?/S4?	4.3		No	No
<i>Triteleia piutensis</i> Piute Mountains triteleia	PMLIL210H0	None	None	G1/S1	1B.1		No	Yes
<i>Tropidocarpum californicum</i> Kings gold	PDBRA33010	None	None	G1/S1	1B.1		No	Yes
<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	PDBRA2R010	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Tuctoria greenei</i> Greene's tuctoria	PMPOA6N010	Endangered	Rare	G1/S1	1B.1		No	Yes
<i>Tuctoria mucronata</i> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Utricularia intermedia</i> flat-leaved bladderwort	PDLNT020A0	None	None	G5/S3	2B.2		No	Yes

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<i>Utricularia minor</i> lesser bladderwort	PDLNT020D0	None	None	G5/S3	4.2		No	No
<i>Utricularia ochroleuca</i> cream-flowered bladderwort	PDLNT020E0	None	None	G4?/S1	2B.2		No	Yes
<i>Vaccinium coccineum</i> Siskiyou Mountains huckleberry	PDERI181N0	None	None	G3G4/S3?	3.3		No	No
<i>Vaccinium scoparium</i> little-leaved huckleberry	PDERI180Y0	None	None	G5/S3	2B.2		No	Yes
<i>Vahlodea atropurpurea</i> mountain hair grass	PMPOA6M010	None	None	G5/S4	4.3		No	No
<i>Valeriana occidentalis</i> western valerian	PDVAL03080	None	None	G5/S1	2B.3		No	Yes
<i>Vancouveria chrysantha</i> Siskiyou inside-out-flower	PDBER09010	None	None	G4/S4	4.3		No	No
<i>Veratrum fimbriatum</i> fringed false-hellebore	PMLIL25030	None	None	G3/S3	4.3		No	No
<i>Veratrum insolitum</i> Siskiyou false-hellebore	PMLIL25040	None	None	G4/S4	4.3		No	No
<i>Verbena californica</i> Red Hills vervain	PDVER0N050	Threatened	Threatened	G2/S2	1B.1		Yes	Yes
<i>Verbesina dissita</i> big-leaved crownbeard	PDAST9R050	Threatened	Threatened	G2G3/S1	1B.1		Yes	Yes
<i>Veronica copelandii</i> Copeland's speedwell	PDSCR200B0	None	None	G3/S3	4.3		No	No
<i>Veronica cusickii</i> Cusick's speedwell	PDSCR200C0	None	None	G5/S4	4.3		Yes	No
<i>Viburnum ellipticum</i> oval-leaved viburnum	PDCPR07080	None	None	G5/S3	2B.3		No	Yes
<i>Viguiera laciniata</i> San Diego County viguiera	PDAST9T060	None	None	G4/S4	4.2		No	No
<i>Viguiera purisimae</i> La Purisima viguiera	PDAST9T0S0	None	None	G4?/S1	2B.3		No	Yes
<i>Viola howellii</i> Howell's violet	PDVIO040U0	None	None	G4/S1	2B.2		No	Yes
<i>Viola langsdorffii</i> Langsdorf's violet	PDVIO04100	None	None	G4/S1	2B.1		No	Yes
<i>Viola palustris</i> alpine marsh violet	PDVIO041G0	None	None	G5/S1S2	2B.2		No	Yes

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<i>Viola pinetorum</i> var. <i>grisea</i> grey-leaved violet	PDVIO04431	None	None	G4G5T3?/S3?	1B.3		No	Yes
<i>Viola primulifolia</i> ssp. <i>occidentalis</i> western white bog violet	PDVIO040Y2	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Viola purpurea</i> ssp. <i>aurea</i> golden violet	PDVIO04420	None	None	G5T2T3/S2S3	2B.2		No	Yes
<i>Viola tomentosa</i> felt-leaved violet	PDVIO04280	None	None	G3/S3	4.2		No	Yes
<i>Wislizenia refracta</i> ssp. <i>palmeri</i> Palmer's jackass clover	PDCPP09015	None	None	G5T2T4/S1	2B.2		No	Yes
<i>Wislizenia refracta</i> ssp. <i>refracta</i> jackass-clover	PDCPP09013	None	None	G5T5?/S1	2B.2		No	Yes
<i>Wolffia brasiliensis</i> Brazilian watermeal	PMLEM03020	None	None	G5/S1	2B.3		No	Yes
<i>Woodsia plummerae</i> Plummer's woodsia	PPDRY0U0A0	None	None	G5/S2	2B.3		No	Yes
<i>Wyethia elata</i> Hall's wyethia	PDAST9X050	None	None	G4/S4	4.3		No	No
<i>Wyethia longicaulis</i> Humboldt County wyethia	PDAST9X0A0	None	None	G4/S4	4.3		No	No
<i>Wyethia reticulata</i> El Dorado County mule ears	PDAST9X0D0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Xanthisma gracile</i> annual bristleweed	PDAST640E0	None	None	G5/S4	4.3		No	No
<i>Xanthisma junceum</i> rush-like bristleweed	PDAST641A0	None	None	G5/S4	4.3		No	No
<i>Xylorhiza cognata</i> Mecca-aster	PDASTA1010	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Xylorhiza orcuttii</i> Orcutt's woody-aster	PDASTA1040	None	None	G2G3/S2	1B.2	BLM:S	Yes	Yes