

# **Appendix E**

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**Biological Database Records**



## Plant List

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

### Search Criteria

Found in 9 Quads around 38121E6

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#"><u><i>Astragalus pauperculus</i></u></a>	depauperate milk-vetch	Fabaceae	annual herb	4.3	S4	G4
<a href="#"><u><i>Astragalus tener</i> var. <i>ferrisiae</i></u></a>	Ferris' milk-vetch	Fabaceae	annual herb	1B.1	S1	G2T1
<a href="#"><u><i>Astragalus tener</i> var. <i>tener</i></u></a>	alkali milk-vetch	Fabaceae	annual herb	1B.2	S2	G2T2
<a href="#"><u><i>Atriplex cordulata</i> var. <i>cordulata</i></u></a>	heartscale	Chenopodiaceae	annual herb	1B.2	S2	G3T2
<a href="#"><u><i>Atriplex depressa</i></u></a>	brittlescale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#"><u><i>Atriplex joaquinana</i></u></a>	San Joaquin spearscale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#"><u><i>Carex comosa</i></u></a>	bristly sedge	Cyperaceae	perennial rhizomatous herb	2B.1	S2	G5
<a href="#"><u><i>Centromadia parryi</i> ssp. <i>rudis</i></u></a>	Parry's rough tarplant	Asteraceae	annual herb	4.2	S3	G3T3
<a href="#"><u><i>Chloropyron palmatum</i></u></a>	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.1	S1	G1
<a href="#"><u><i>Fritillaria pluriflora</i></u></a>	adobe-lily	Liliaceae	perennial bulbiferous herb	1B.2	S3	G3
<a href="#"><u><i>Hesperevax caulescens</i></u></a>	hogwallow starfish	Asteraceae	annual herb	4.2	S3	G3
<a href="#"><u><i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i></u></a>	woolly rose-mallow	Malvaceae	perennial rhizomatous herb	1B.2	S2	G5T2
<a href="#"><u><i>Juglans hindsii</i></u></a>	Northern California black walnut	Juglandaceae	perennial deciduous tree	1B.1	S1	G1
<a href="#"><u><i>Lepidium latipes</i> var. <i>heckardii</i></u></a>	Heckard's pepper-grass	Brassicaceae	annual herb	1B.2	S2	G4T2
<a href="#"><u><i>Lessingia hololeuca</i></u></a>	woolly-headed lessingia	Asteraceae	annual herb	3	S3	G3
<a href="#"><u><i>Lilaeopsis masonii</i></u></a>	Mason's lilaeopsis	Apiaceae	perennial rhizomatous herb	1B.1	S2	G2
<a href="#"><u><i>Myosurus minimus</i> ssp. <i>apus</i></u></a>	little mousetail	Ranunculaceae	annual herb	3.1	S2	G5T2Q
<a href="#"><u><i>Navarretia leucocephala</i> ssp. <i>bakeri</i></u></a>	Baker's navarretia	Polemoniaceae	annual herb	1B.1	S2	G4T2
<a href="#"><u><i>Neostapfia colusana</i></u></a>	Colusa grass	Poaceae	annual herb	1B.1	S2	G2
<a href="#"><u><i>Plagiobothrys hystriculus</i></u></a>	bearded popcorn-flower	Boraginaceae	annual herb	1B.1	S2	G2
<a href="#"><u><i>Symphotrichum lentum</i></u></a>	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	1B.2	S2	G2

<a href="#"><u>Trifolium hydrophilum</u></a>	saline clover	Fabaceae	annual herb	1B.2	S2	G2
<a href="#"><u>Tuctoria mucronata</u></a>	Crampton's tuctoria or Solano grass	Poaceae	annual herb	1B.1	S1	G1

### Suggested Citation

CNPS, Rare Plant Program. 2015. *Inventory of Rare and Endangered Plants (online edition, v8-02)*. California Native Plant Society, Sacramento, CA. Website <http://www.rareplants.cnps.org> [accessed 05 March 2015].

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# 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:** AAAAA01180  
**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> Yolo	<b>Quad Summary:</b> Merritt (3812157)
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**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**



<b>Map Index Number:</b>	24954	<b>EO Index:</b>	9820
<b>Key Quad:</b>	Merritt (3812157)	<b>Element Code:</b>	ABNKC06010
<b>Occurrence Number:</b>	44	<b>Occurrence Last Updated:</b>	1994-01-27

<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>	1993-08-01	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-08-01	<b>Occurrence Rank:</b>	Poor
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**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.

<b>PLSS:</b>	T08N, R02E, Sec. 05 (M)	<b>Accuracy:</b>	80 meters	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4269608 E606531	<b>Latitude/Longitude:</b>	38.56855 / -121.77714	<b>Elevation (feet):</b>	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>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDDB Element Ranks:</b>	CDFW_FP-Fully Protected
<b>Global:</b> G5	IUCN_LC-Least Concern
<b>State:</b> S3S4	

<b>General Habitat:</b> ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	<b>Micro Habitat:</b> OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.
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<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> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**Sources:**  
ERI93F0003    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



<b>Map Index Number:</b> 24955	<b>EO Index:</b> 11921
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC06010
<b>Occurrence Number:</b> 46	<b>Occurrence Last Updated:</b> 2000-03-29

<b>Scientific Name:</b> <i>Elanus leucurus</i>	<b>Common Name:</b> white-tailed kite
<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> G5	CDFW_FP-Fully Protected
<b>State:</b> S3S4	IUCN_LC-Least Concern

<b>General Habitat:</b> ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	<b>Micro Habitat:</b> OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.
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<b>Last Date Observed:</b> 1999-06-21	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1999-11-21	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Decreasing
<b>Presence:</b> 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.

<b>PLSS:</b> T08N, R03E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4269782 E614305	<b>Latitude/Longitude:</b> 38.56915 / -121.68790	<b>Elevation (feet):</b> 25

<b>County Summary:</b> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**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>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	CDFW_FP-Fully Protected
<b>Global:</b> G5	IUCN_LC-Least Concern
<b>State:</b> S3S4	

<b>General Habitat:</b> ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	<b>Micro Habitat:</b> OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.
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<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> Solano, Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**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>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> BLM_S-Sensitive
<b>CNDDB Element Ranks:</b>	CDFW_FP-Fully Protected
<b>Global:</b> G5	IUCN_LC-Least Concern
<b>State:</b> S3S4	

<b>General Habitat:</b> ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.	<b>Micro Habitat:</b> OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.
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<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> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**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 NE 1/4 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  
**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:**  
 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.

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

**County Summary:** Yolo  
**Quad Summary:** 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**



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**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**



**Map Index Number:** 10749  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 108

**EO Index:** 7862  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-17

**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:** 1992-XX-XX  
**Last Survey Date:** 1992-XX-XX  
**Owner/Manager:** UC-DAVIS  
**Presence:** Presumed Extant

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

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

- 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**



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

**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 CNDDB 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.

**PLSS:** T07N, R02E, Sec. 06 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4260264 E604377

**Latitude/Longitude:** 38.48461 / -121.80326

**Elevation (feet):** 60

**County Summary:**

Solano

**Quad Summary:**

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



<b>Map Index Number:</b> 21827	<b>EO Index:</b> 17511
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 405	<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, 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

<b>County Summary:</b>	<b>Quad Summary:</b>
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Yolo	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
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>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> 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.

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

<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
  - 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



**Map Index Number:** 21833  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 411

**EO Index:** 25681  
**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:** PVT, CITY OF DAVIS, UNKNOWN  
**Presence:** Presumed Extant

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

**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>
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
  - 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

**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
- 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



**Map Index Number:** 21837  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 415

**EO Index:** 17508  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-06-18

**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:** PVT  
**Presence:** Presumed Extant

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

**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.

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

**County Summary:** Yolo  
**Quad Summary:** 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
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 RESSEGUIE 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 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2000-08-02
  - RES01F0097 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
  - RES02F0231 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
  - RES04F0365 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-11
  - RES99F0024 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> 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>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> 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>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> 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>Federal:</b> None <b>State:</b> Threatened	<b>Rare Plant Rank:</b>	
<b>CNDDDB 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>	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>	<b>Quad Summary:</b>
Yolo	Merritt (3812157)



**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 IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G5	
<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



**Map Index Number:** 23003  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 461

**EO Index:** 7818  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-23

**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:**

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.

**PLSS:** T08N, R02E, Sec. 05 (M)  
**UTM:** Zone-10 N4268825 E606561

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.56148 / -121.77691

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

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
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>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> 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



<b>Map Index Number:</b> 22901	<b>EO Index:</b> 7822
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 465	<b>Occurrence Last Updated:</b> 2013-06-03

<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> 2002-05-21	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-24	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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

**County Summary:** **Quad Summary:**

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



**Map Index Number:** 22905  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 471

**EO Index:** 24266  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-01-29

**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:** UNKNOWN  
**Presence:** Presumed Extant

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

**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.

**PLSS:** T08N, R02E, Sec. 24 (M)

**Accuracy:** nonspecific area

**Area (acres):** 10

**UTM:** Zone-10 N4264047 E612731

**Latitude/Longitude:** 38.51768 / -121.70688

**Elevation (feet):** 40

**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
- 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



**Map Index Number:** 22904  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 472

**EO Index:** 7823  
**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:** 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 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>	<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
  - 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.

**PLSS:** T08N, R02E, Sec. 23 (M)      **Accuracy:** nonspecific area      **Area (acres):** 35  
**UTM:** Zone-10 N4263982 E610865      **Latitude/Longitude:** 38.51733 / -121.72830      **Elevation (feet):** 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>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> 1988-05-30	<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>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> 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**



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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
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.

<b>PLSS:</b> T08N, R02E, Sec. 21 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 19
<b>UTM:</b> Zone-10 N4264913 E608062	<b>Latitude/Longitude:</b> 38.52606 / -121.76029	<b>Elevation (feet):</b> 45

<b>County Summary:</b> Solano, 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:**

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



**Map Index Number:** 24052  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 628

**EO Index:** 20944  
**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:** 2003-05-28  
**Last Survey Date:** 2003-05-28  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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>	<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
  - 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>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>	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>	<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
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  
**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:** 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> Solano	<b>Quad Summary:</b> Dixon (3812147)
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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
  - 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>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> 2002-07-25	<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



**Map Index Number:** 43659  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 871

**EO Index:** 43659  
**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:** 2009-06-24  
**Last Survey Date:** 2009-06-24  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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>
Yolo	Merritt (3812157)

- 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>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> 2005-08-14	<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



<b>Map Index Number:</b> 43799	<b>EO Index:</b> 43799	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 919	<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> 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> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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

<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
  - 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

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 2005-08-22

**Occurrence Rank:** Fair

**Owner/Manager:** PVT

**Trend:** Unknown

**Presence:** Presumed Extant

**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  
**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, 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

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	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  
**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:** 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

**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
- 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



**Map Index Number:** 50916  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 1084

**EO Index:** 50916  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2007-08-15

**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:** 2001-07-11  
**Last Survey Date:** 2004-05-30  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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(?).

**PLSS:** T09N, R02E, Sec. 27 (M)      **Accuracy:** specific area      **Area (acres):** 13  
**UTM:** Zone-10 N4272887 E610575      **Latitude/Longitude:** 38.59759 / -121.73021      **Elevation (feet):** 40

**County Summary:** Yolo  
**Quad Summary:** 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.

**PLSS:** T09N, R02E, Sec. 26 (M)  
**UTM:** Zone-10 N4272307 E612111

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.59218 / -121.71267

**Area (acres):** 0  
**Elevation (feet):** 35

**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
- 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.

**PLSS:** T08N, R02E, Sec. 15 (M)      **Accuracy:** specific area      **Area (acres):** 11  
**UTM:** Zone-10 N4266668 E610391      **Latitude/Longitude:** 38.54158 / -121.73330      **Elevation (feet):** 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> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**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



<b>Map Index Number:</b> 50984	<b>EO Index:</b> 50984	
<b>Key Quad:</b> Merritt (3812157)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 1098	<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> 2002-07-29	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-11	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT?	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

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



<b>Map Index Number:</b> 51077	<b>EO Index:</b> 51077	
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070	
<b>Occurrence Number:</b> 1149	<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> 2005-07-29	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-07-29	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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 RESSEGUIE'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> 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
RES01F0214	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2001-XX-XX
RES02F0105	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX
RES04F0438	RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-08-17
RES05F0319	RESSEGUIE, 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>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> 2005-07-16	<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

<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
  - 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)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4259863 E609036

**Latitude/Longitude:** 38.48044 / -121.74991

**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



<b>Map Index Number:</b> 51099	<b>EO Index:</b> 51099
<b>Key Quad:</b> Saxon (3812146)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1159	<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>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> 2005-08-10	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-08-10	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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.

<b>PLSS:</b> T07N, R02E, Sec. 02 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4260267 E611314	<b>Latitude/Longitude:</b> 38.48380 / -121.72373	<b>Elevation (feet):</b> 35

<b>County Summary:</b>	<b>Quad Summary:</b>
Solano	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**



**Map Index Number:** 51111  
**Key Quad:** Dixon (3812147)  
**Occurrence Number:** 1162

**EO Index:** 51111  
**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:** 2005-07-18  
**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 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

**County Summary:**

Solano

**Quad Summary:**

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).

**PLSS:** T07N, R02E, Sec. 04 (M)  
**UTM:** Zone-10 N4259695 E607898

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.47906 / -121.76298

**Area (acres):** 0  
**Elevation (feet):** 50

**County Summary:**

Solano

**Quad Summary:**

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.

<b>PLSS:</b> T07N, R02E, Sec. 09 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 15
<b>UTM:</b> Zone-10 N4258332 E608008	<b>Latitude/Longitude:</b> 38.46677 / -121.76193	<b>Elevation (feet):</b> 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.

**PLSS:** T08N, R02E, Sec. 02 (M)      **Accuracy:** specific area      **Area (acres):** 12  
**UTM:** Zone-10 N4269079 E611545      **Latitude/Longitude:** 38.56316 / -121.71967      **Elevation (feet):** 40

**County Summary:** Yolo  
**Quad Summary:** 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.

**PLSS:** T08N, R03E, Sec. 19 (M)

**Accuracy:** specific area

**Area (acres):** 10

**UTM:** Zone-10 N4265111 E613842

**Latitude/Longitude:** 38.52712 / -121.69397

**Elevation (feet):** 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:** 53331  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1287

**EO Index:** 53331  
**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:** 2002-07-10  
**Last Survey Date:** 2004-08-08  
**Owner/Manager:** PVT?  
**Presence:** Presumed Extant

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

**Location:**  
 EAST SIDE OF ROAD 98, 0.3 MILE SOUTH OF ROAD 30, NW OF DAVIS.

**Detailed Location:**  
 NEST TREE IS THE FIRST BLACK WALNUT NORTH OF THE FATTEST-TRUNKED TREE ON THE EAST ROAD SHOULDER; 2002 NEST FOUND AT THE 95% HEIGHT OF THE NEST TREE.

**Ecological:**  
 NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE NE AND CULTIVATED LAND TO THE SE AND WEST.

**Threats:**  
**General:**  
 NEST MONITORED 25 MAY-10 JUL 2002; 2 FLEDGED. NEST SITE MONITORED 26 APR-8 AUG 2004; ADULTS PRESENT 16 JUN AND 21 JUL, WITH NO OBSERVATIONS IN BETWEEN.

<b>PLSS:</b> T08N, R02E, Sec. 06 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4270045 E604271	<b>Latitude/Longitude:</b> 38.57275 / -121.80301	<b>Elevation (feet):</b> 65

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

**Sources:**  
 RES02F0083 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2002-XX-XX  
 RES04F0458 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



**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

**County Summary:** **Quad Summary:**

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

**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.

**PLSS:** T07N, R02E, Sec. 11 (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4259215 E611823

**Latitude/Longitude:** 38.47425 / -121.71807

**Elevation (feet):** 30

**County Summary:**

Solano

**Quad Summary:**

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**



**Map Index Number:** 56638  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1348

**EO Index:** 56654  
**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:** 2004-07-15  
**Last Survey Date:** 2004-07-15  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**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>
Solano	Merritt (3812157)

**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  
**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:** 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)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4268629 E605869

**Latitude/Longitude:** 38.55980 / -121.78488

**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



**Map Index Number:** 56649  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1352

**EO Index:** 56665  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2011-09-21

**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:** 2005-07-19  
**Last Survey Date:** 2005-07-19  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**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:**  
 RESSEGUE'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>	<b>Quad Summary:</b>
Solano	Merritt (3812157)

**Sources:**  
 RES04F0031 RESSEGUE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2004-07-15  
 RES05F0125 RESSEGUE, 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> 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> 2005-08-01	<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> Solano	<b>Quad Summary:</b> Merritt (3812157)
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**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



**Map Index Number:** 56864  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1368

**EO Index:** 56880  
**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:** 2009-04-23  
**Last Survey Date:** 2009-04-23  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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.

**PLSS:** T07N, R03E, Sec. 06 (M)  
**UTM:** Zone-10 N4260709 E615340

**Accuracy:** 80 meters  
**Latitude/Longitude:** 38.48727 / -121.67751

**Area (acres):** 0  
**Elevation (feet):** 25

**County Summary:**

Yolo

**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
- 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

<b>County Summary:</b>	<b>Quad Summary:</b>
Yolo	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  
**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:** 2005-08-04  
**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>	<b>Quad Summary:</b>
Solano	Dixon (3812147)

**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



**Map Index Number:** 62350  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1457

**EO Index:** 62387  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-08-18

**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:** 2005-08-12  
**Last Survey Date:** 2005-08-12  
**Owner/Manager:** PVT-KIDWELL FARMS  
**Presence:** Presumed Extant

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

**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



**Map Index Number:** 62466  
**Key Quad:** Saxon (3812146)  
**Occurrence Number:** 1474

**EO Index:** 62503  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-09-01

**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:** 2005-08-21  
**Last Survey Date:** 2005-08-21  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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**



**Map Index Number:** 87889  
**Key Quad:** Merritt (3812157)  
**Occurrence Number:** 1951

**EO Index:** 88917  
**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:** 2006-08-15  
**Last Survey Date:** 2006-08-15  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

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

**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.

**PLSS:** T08N, R02E, Sec. 09 (M)      **Accuracy:** specific area      **Area (acres):** 10  
**UTM:** Zone-10 N4267747 E607682      **Latitude/Longitude:** 38.55164 / -121.76421      **Elevation (feet):** 50

**County Summary:** Yolo  
**Quad Summary:** 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  
**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:** 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

**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
- 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> 88040	<b>EO Index:</b> 89063
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1990	<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>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:**  
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.

<b>PLSS:</b> T08N, R03E, Sec. 17 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4267200 E615934	<b>Latitude/Longitude:</b> 38.54567 / -121.66962	<b>Elevation (feet):</b> 30

<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
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> 88043	<b>EO Index:</b> 89064
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> ABNKC19070
<b>Occurrence Number:</b> 1991	<b>Occurrence Last Updated:</b> 2013-02-28

<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> 2004-07-08	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2004-07-08	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
LOS RIOS FARMS, ABOUT 1 MI E OF CO RD 104 (MACE BLVD) AT COWELL BLVD, 2.3 MI S OF SWINGLE.

**Detailed Location:**  
MAPPED TO COORDINATES FROM CDFW DATABASE OF 2000-2004 SWAINSON'S HAWK NEST RECORDS.

**Ecological:**  
2002 NEST IN EUCALYPTUS IN "LOS RIOS FARMS EQUIPMENT YARD." 2 NESTS IN VERY CLOSE PROXIMITY (130 M) IN 2004, FIRST OBSERVED IN EUCALYPTUS, SECOND IN TAMARISK; POSSIBLY 2 ATTEMPTS BY SAME PAIR.

**Threats:**  
**General:**  
NEST WITH 1 PARTIALLY-FEATHERED YOUNG OBSERVED ON 10 APR 2002. ACTIVE NEST OBS 20 MAY 2004; 2ND NEST WITH 1 POSSIBLE FLEDGLING OBS 8 JUL 2004.

<b>PLSS:</b> T08N, R03E, Sec. 20 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 28
<b>UTM:</b> Zone-10 N4265252 E615583	<b>Latitude/Longitude:</b> 38.52817 / -121.67397	<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



**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  
**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:** 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.

<b>PLSS:</b> T08N, R02E, Sec. 14 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4266176 E611944	<b>Latitude/Longitude:</b> 38.53696 / -121.71557	<b>Elevation (feet):</b> 45

<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



# 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>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> 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  
**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:** 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.

**PLSS:** T08N, R02E, Sec. 16 (M)

**Accuracy:** 3/5 mile

**Area (acres):** 0

**UTM:** Zone-10 N4266288 E607749

**Latitude/Longitude:** 38.53849 / -121.76367

**Elevation (feet):** 35

**County Summary:**

**Quad Summary:**

Solano, Yolo

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



**Map Index Number:** 45375  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 403

**EO Index:** 45375  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2011-04-13

**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:** 2006-06-30  
**Last Survey Date:** 2006-06-30  
**Owner/Manager:** PVT-RAMCO ENTERPRISES  
**Presence:** Presumed Extant

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

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

- 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).

**PLSS:** T08N, R02E, Sec. 02 (M)  
**UTM:** Zone-10 N4270221 E611491

**Accuracy:** nonspecific area  
**Latitude/Longitude:** 38.57346 / -121.72011

**Area (acres):** 84  
**Elevation (feet):** 10

**County Summary:**

Yolo

**Quad Summary:**

Davis (3812156)



**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  
**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:** 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  
**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:** 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.

**PLSS:** T08N, R03E, Sec. 06 (M)  
**UTM:** Zone-10 N4269556 E614084

**Accuracy:** specific area  
**Latitude/Longitude:** 38.56714 / -121.69046

**Area (acres):** 13  
**Elevation (feet):** 25

**County Summary:**

Yolo

**Quad Summary:**

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 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:** 2008-04-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 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:** 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**



<b>Map Index Number:</b> 57704	<b>EO Index:</b> 68971
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> AMACC02010
<b>Occurrence Number:</b> 88	<b>Occurrence Last Updated:</b> 2007-03-20

<b>Scientific Name:</b> <i>Lasionycteris noctivagans</i>	<b>Common Name:</b> silver-haired bat
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> IUCN_LC-Least Concern WBWG_M-Medium Priority
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G5	
<b>State:</b> S3S4	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
PRIMARILY A COASTAL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.	ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES & RARELY UNDER ROCKS. NEEDS DRINKING WATER.

<b>Last Date Observed:</b> 1957-10-17	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1957-10-17	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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



<b>Map Index Number:</b> 57704	<b>EO Index:</b> 68899	
<b>Key Quad:</b> Davis (3812156)	<b>Element Code:</b> AMACC05030	
<b>Occurrence Number:</b> 136	<b>Occurrence Last Updated:</b> 2007-03-19	

<b>Scientific Name:</b> <i>Lasiurus cinereus</i>	<b>Common Name:</b> hoary bat
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> IUCN_LC-Least Concern
<b>CNDDDB Element Ranks:</b>	WBWG_M-Medium Priority
<b>Global:</b> G5	
<b>State:</b> S4	

<b>General Habitat:</b> PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.	<b>Micro Habitat:</b> ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.
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<b>Last Date Observed:</b> 1991-09-24	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1991-09-24	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**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.

<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>

**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.

**PLSS:** T08N, R01E, Sec. 11 (M)

**Accuracy:** 1/10 mile

**Area (acres):** 0

**UTM:** Zone-10 N4268776 E602651

**Latitude/Longitude:** 38.56151 / -121.82178

**Elevation (feet):** 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	HANSEN, 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>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> IUCN_NT-Near Threatened
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G2G3	
<b>State:</b> S2S3	

<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:**

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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



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 217

**EO Index:** 59239  
**Element Code:** ICBRA10010  
**Occurrence Last Updated:** 2014-07-23

**Scientific Name:** *Lepidurus packardii*

**Common Name:** vernal pool tadpole shrimp

**Listing Status:**  
**Federal:** Endangered  
**State:** None  
**CNDDB Element Ranks:**  
**Global:** G3  
**State:** S2S3

**Rare Plant Rank:**  
**Other Lists:** IUCN\_EN-Endangered

**General Habitat:**

INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.

**Micro Habitat:**

POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

**Last Date Observed:** 1966-02-02  
**Last Survey Date:** 1966-02-02  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**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.

**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):** 50

**County Summary:**

Solano, Yolo

**Quad Summary:**

Davis (3812156), Merritt (3812157)

**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)

**Accuracy:** 1 mile

**Area (acres):** 0

**UTM:** Zone-10 N4267590 E608965

**Latitude/Longitude:** 38.55006 / -121.74951

**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



**Map Index Number:** 57704  
**Key Quad:** Davis (3812156)  
**Occurrence Number:** 2

**EO Index:** 60280  
**Element Code:** IHHYM15010  
**Occurrence Last Updated:** 2005-02-25

**Scientific Name:** *Myrmosula pacifica*

**Common Name:** Antioch multilid wasp

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** GH  
                                   **State:**     SH

**Rare Plant Rank:**  
**Other Lists:**

**General Habitat:**

**Micro Habitat:**

**Last Date Observed:** 1945-07-18  
**Last Survey Date:** 1945-07-18  
**Owner/Manager:** UNKNOWN  
**Presence:** Possibly Extirpated

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

**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.

**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):** 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>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> G4T2	
<b>State:</b> S2	

<b>General Habitat:</b> VALLEY AND FOOTHILL GRASSLAND.	<b>Micro Habitat:</b> GRASSLAND, AND SOMETIMES VERNAL POOL EDGES. ALKALINE SOILS. 2-200 M.
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<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> Yolo	<b>Quad Summary:</b> Davis (3812156)
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**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>CNDDDB Element Ranks:</b>	
<b>Global:</b> G3T2	
<b>State:</b> S2	

<b>General Habitat:</b> CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.	<b>Micro Habitat:</b> ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 0-560 M.
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<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> Yolo	<b>Quad Summary:</b> Davis (3812156), Merritt (3812157)
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**Sources:**

CRA52S0002	CRAMPTON, B. - CRAMPTON #872 RSA #97528, DAV #38284, UCR #119108, SD #180598 1952-10-24
PRE94U0001	PRESTON, R. - LETTER TO CNDDDB 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>CNDDDB 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  
**CNDDB 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>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> 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> Solano, Yolo	<b>Quad Summary:</b> Saxon (3812146)
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**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>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	1B.2
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2T2 <b>State:</b> S2	<b>Other Lists:</b>	

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

- 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>State:</b> None	<b>Rare Plant Rank:</b>	1B.2
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2T2 <b>State:</b> S2	<b>Other Lists:</b>	

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

**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>	<b>Quad Summary:</b>
Yolo	Saxon (3812146)



**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  
**CNDDDB 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 CRYPSIS SCHOENOIDES AND LEPIDIUM LATIFOLIUM. NEOSTAPFIA 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:**

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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
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

U.S. Fish & Wildlife Service  
Sacramento Fish & Wildlife Office

Federal Endangered and Threatened Species that Occur in  
or may be Affected by Projects in the Counties and/or  
U.S.G.S. 7 1/2 Minute Quads you requested

Document Number: 150305102524

Current as of: March 5, 2015

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Quad Lists

Listed Species

Invertebrates

- Branchinecta conservatio  
Conservancy fairy shrimp (E)
- Branchinecta lynchi  
vernal pool fairy shrimp (T)
- Desmocerus californicus dimorphus  
valley elderberry longhorn beetle (T)
- Lepidurus packardii  
Critical habitat, vernal pool tadpole shrimp (X)  
vernal pool tadpole shrimp (E)

Fish

- Hypomesus transpacificus  
Critical habitat, delta smelt (X)  
delta smelt (T)
- Oncorhynchus mykiss  
Central Valley steelhead (T) (NMFS)
- Oncorhynchus tshawytscha  
Central Valley spring-run chinook salmon (T) (NMFS)  
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

- Ambystoma californiense  
California tiger salamander, central population (T)
- Rana draytonii  
California red-legged frog (T)

Reptiles

- Thamnophis gigas  
giant garter snake (T)

Birds

- Charadrius alexandrinus nivosus  
western snowy plover (T)
- Coccyzus americanus occidentalis  
Western yellow-billed cuckoo (T)

Plants

- Neostapfia colusana  
Critical habitat, Colusa grass (X)
- Tuctoria mucronata  
Critical habitat, Solano grass (=Crampton's tuctoria) (X)

Quads Containing Listed, Proposed or Candidate Species:

## County Lists

### Listed Species

#### Invertebrates

*Apodemia mormo langei*  
Lange's metalmark butterfly (E)

S

*Branchinecta conservatio*  
Conservancy fairy shrimp (E)  
Critical habitat, Conservancy fairy shrimp (X)

S

*Branchinecta lynchi*  
Critical habitat, vernal pool fairy shrimp (X)  
vernal pool fairy shrimp (T)

S

*Desmocerus californicus dimorphus*  
valley elderberry longhorn beetle (T)

S

*Elaphrus viridis*  
Critical habitat, delta green ground beetle (X)  
delta green ground beetle (T)

S

*Incisalia mossii bayensis*  
San Bruno elfin butterfly (E)

S

*Lepidurus packardi*  
Critical habitat, vernal pool tadpole shrimp (X)  
vernal pool tadpole shrimp (E)

S

*Speyeria callippe callippe*  
callippe silverspot butterfly (E)

S

*Speyeria zerene myrtleae*  
Myrtle's silverspot butterfly (E)

S

*Syncaris pacifica*  
California freshwater shrimp (E)

S

#### Fish

*Acipenser medirostris*  
green sturgeon (T) (NMFS)

S

*Eucyclogobius newberryi*  
tidewater goby (E)

S

*Hypomesus transpacificus*  
Critical habitat, delta smelt (X)  
delta smelt (T)

S

*Oncorhynchus kisutch*  
coho salmon - central CA coast (E) (NMFS)

S

*Oncorhynchus mykiss*  
Central California Coastal steelhead (T) (NMFS)  
Central Valley steelhead (T) (NMFS)  
Critical habitat, Central California coastal steelhead (X) (NMFS)  
Critical habitat, Central Valley steelhead (X) (NMFS)

S

*Oncorhynchus tshawytscha*  
Central Valley spring-run chinook salmon (T) (NMFS)  
Critical Habitat, Central Valley spring-run chinook (X) (NMFS)  
Critical habitat, winter-run chinook salmon (X) (NMFS)  
winter-run chinook salmon, Sacramento River (E) (NMFS)

S

## Amphibians

*Ambystoma californiense*  
California tiger salamander, central population (T)  
Critical habitat, CA tiger salamander, central population (X)

S

*Rana draytonii*  
California red-legged frog (T)  
Critical habitat, California red-legged frog (X)

S

## Reptiles

*Masticophis lateralis euryxanthus*  
Alameda whipsnake [=striped racer] (T)  
Critical habitat, Alameda whipsnake (X)

S

*Thamnophis gigas*  
giant garter snake (T)

S

## Birds

*Charadrius alexandrinus nivosus*  
western snowy plover (T)



S

*Coccyzus americanus occidentalis*  
Western yellow-billed cuckoo (T)

S

*Pelecanus occidentalis californicus*  
California brown pelican (E)

S

*Rallus longirostris obsoletus*  
California clapper rail (E)

S

*Sternula antillarum* (=Sterna, =albifrons) *browni*  
California least tern (E)

S

*Strix occidentalis caurina*  
northern spotted owl (T)

S

*Vireo bellii pusillus*  
Least Bell's vireo (E)

S

## Mammals

*Reithrodontomys raviventris*  
salt marsh harvest mouse (E)

S

*Vulpes macrotis mutica*  
San Joaquin kit fox (E)

S

## Plants

*Blennosperma bakeri*  
Baker's stickyseed [=Sonoma Sunshine] (E)

S

*Castilleja affinis* ssp. *neglecta*  
Tiburon paintbrush (E)

S

*Cirsium hydrophilum* var. *hydrophilum*  
Suisun thistle (E)

S

*Cordylanthus mollis* ssp. *mollis*  
soft bird's-beak (E)

S

*Cordylanthus palmatus*  
palmate-bracted bird's-beak (E)  
S

*Erysimum capitatum* ssp. *angustatum*  
Contra Costa wallflower (E)  
Critical Habitat, Contra Costa wallflower (X)  
S

*Holocarpha macradenia*  
Santa Cruz tarplant (T)  
S

*Lasthenia conjugens*  
Contra Costa goldfields (E)  
Critical habitat, Contra Costa goldfields (X)  
S

*Limnanthes vinculans*  
Sebastopol meadowfoam (E)  
S

*Navarretia leucocephala* ssp. *pauciflora*  
few-flowered navarretia (E)  
S

*Neostapfia colusana*  
Colusa grass (T)  
Critical habitat, Colusa grass (X)  
S

*Oenothera deltooides* ssp. *howellii*  
Antioch Dunes evening-primrose (E)  
Critical habitat, Antioch Dunes evening-primrose (X)  
S

*Orcuttia inaequalis*  
San Joaquin Valley Orcutt grass (T)  
S

*Sidalcea keckii*  
Keck's checker-mallow (=checkerbloom) (E)  
S

*Trifolium amoenum*  
showy Indian clover (E)  
S

*Tuctoria mucronata*  
Critical habitat, Solano grass (=Crampton's tuctoria) (X)  
Solano grass (=Crampton's tuctoria) (E)  
S

## Proposed Species

### Amphibians

Anaxyrus canorus  
Yosemite toad (PX)

S

### Plants

Cirsium hydrophilum var. hydrophilum  
Critical habitat, Suisun thistle (PX)

S

Cordylanthus mollis ssp. mollis  
Critical habitat, soft bird's-beak (PX)

S

## Key:

- (E) Endangered - Listed as being in danger of extinction.
- (T) Threatened - Listed as likely to become endangered within the foreseeable future.
- (P) Proposed - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.
- Critical Habitat - Area essential to the conservation of a species.
- (PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it.
- (C) Candidate - Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) Critical Habitat designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, or may be affected by projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

### Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

## Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

## Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

## Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

## Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts.

[More info](#)

## Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

## Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be June 03, 2015.

