

**APPENDIX G**

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***Biological Resources Data***



**United States Department of the Interior  
FISH AND WILDLIFE SERVICE**

Sacramento Fish and Wildlife Office  
2800 Cottage Way, Room W-2605  
Sacramento, California 95825



March 23, 2007

Document Number: 070323113638

Mr. Carlos Alvarado  
EIP Associates, a Division of PBS&J  
1200 Second St.  
Sacramento, CA 95814

Subject: Species List for Delta Shores

Dear: Mr. Alvarado

We are sending this official species list in response to your March 23, 2007 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

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 21, 2007.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at [www.fws.gov/sacramento/es/branches.htm](http://www.fws.gov/sacramento/es/branches.htm).

**Endangered Species Division**



**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: 070323113638  
Database Last Updated: March 5, 2007

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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 packardi*  
*vernal pool tadpole shrimp (E)*

**Fish**

- Acipenser medirostris*  
*green sturgeon (T) (NMFS)*
- Hypomesus transpacificus*  
*Critical habitat, delta smelt (X)*  
*delta smelt (T)*
- Oncorhynchus mykiss*  
*Central Valley steelhead (T) (NMFS)*  
*Critical habitat, Central Valley steelhead (X) (NMFS)*
- 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)*

**Amphibians**

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

**Reptiles**

- Thamnophis gigas*  
*giant garter snake (T)*

**Birds**

- Haliaeetus leucocephalus*  
*bald eagle (T)*

**Candidate Species**

**Fish**

- Oncorhynchus tshawytscha*  
*Central Valley fall/late fall-run chinook salmon (C) (NMFS)*  
*Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)*

**Quads Containing Listed, Proposed or Candidate Species:**

FLORIN (496B)

CLARKSBURG (497A)

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## County Lists

No county species lists requested.

### 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 or botanist, familiar with the habitat requirements of the species on your list, should determine whether their habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

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 necessary 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 [critical habitat page](#) for maps.

## 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) 414-6580.

## 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 21, 2007.

Status: search results - Fri, Mar. 23, 2007 10:32 c

{QUADS\_123} = ~ m/496B|512C|512D|497A|497D|513D|496A|496C

**Tip:** Lathyrus Astragalus returns species from both genera.[all tips and help.]  
[search history]

**Your Quad Selection:** Florin (496B) 3812144, Sacramento East (512C) 3812154, Carmichael (512D) 3812153, Clarksburg (497A) 3812145, Courtland (497D) 3812135, Sacramento West (513D) 3812155, Elk Grove (496A) 3812143, Bruceville (496C) 3812134, Galt (496D) 3812133

Hits 1 to 14 of 14

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<b>Carex comosa</b>	bristly sedge	Cyperaceae	List 2.1
	<input type="checkbox"/>	1	<b>Downingia pusilla</b>	dwarf downingia	Campanulaceae	List 2.2
	<input type="checkbox"/>	1	<b>Gratiola heterosepala</b>	Boggs Lake hedge-hyssop	Scrophulariaceae	List 1B.2
	<input type="checkbox"/>	1	<b>Hibiscus lasiocarpus</b>	rose-mallow	Malvaceae	List 2.2
	<input type="checkbox"/>	1	<b>Juglans hindsii</b>	Northern California black walnut	Juglandaceae	List 1B.1
	<input type="checkbox"/>	1	<b>Juncus leiospermus</b> var. <b>ahartii</b>	Ahart's dwarf rush	Juncaceae	List 1B.2
	<input type="checkbox"/>	1	<b>Lathyrus jepsonii</b> var. <b>jepsonii</b>	Delta tule pea	Fabaceae	List 1B.2
	<input type="checkbox"/>	1	<b>Legenere limosa</b>	legenere	Campanulaceae	List 1B.1
	<input type="checkbox"/>	1	<b>Lilaeopsis masonii</b>	Mason's lilaeopsis	Apiaceae	List 1B.1
	<input type="checkbox"/>	1	<b>Limosella subulata</b>	Delta mudwort	Scrophulariaceae	List 2.1
	<input type="checkbox"/>	1	<b>Orcuttia tenuis</b>	slender Orcutt grass	Poaceae	List 1B.1
	<input type="checkbox"/>	1	<b>Orcuttia viscida</b>	Sacramento Orcutt grass	Poaceae	List 1B.1
	<input type="checkbox"/>	1	<b>Sagittaria sanfordii</b>	Sanford's arrowhead	Alismataceae	List 1B.2
	<input type="checkbox"/>	1	<b>Scutellaria lateriflora</b>	blue skullcap	Lamiaceae	List 2.2

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

No more hits.





California Department of Fish and Game  
Natural Diversity Database  
Selected Elements by Common Name - Portrait  
Delta Shores

Common Name/Scientific Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 American badger <i>Taxidea taxus</i>	AMAJF04010			G5	S4	SC
2 California linderiella <i>Linderiella occidentalis</i>	ICBRA06010			G3	S2S3	
3 Cooper's hawk <i>Accipiter cooperii</i>	ABNKC12040			G5	S3	SC
4 Northern California black walnut <i>Juglans hindsii</i>	PDJUG02040			G1	S1.1	1B.1
5 Northern Hardpan Vernal Pool	CTT44110CA			G3	S3.1	
6 Sacramento splittail <i>Pogonichthys macrolepidotus</i>	AFCJB34020			G2	S2	SC
7 Sanford's arrowhead <i>Sagittaria sanfordii</i>	PMALI040Q0			G3	S3.2	1B.2
8 Swainson's hawk <i>Buteo swainsoni</i>	ABNKC19070		Threatened	G5	S2	
9 black-crowned night heron <i>Nycticorax nycticorax</i>	ABNGA11010			G5	S3	
10 burrowing owl <i>Athene cunicularia</i>	ABNSB10010			G4	S2	SC
11 double-crested cormorant <i>Phalacrocorax auritus</i>	ABNFD01020			G5	S3	SC
12 dwarf downingia <i>Downingia pusilla</i>	PDCAM060C0			G3	S3.1	2.2
13 giant garter snake <i>Thamnophis gigas</i>	ARADB36150	Threatened	Threatened	G2G3	S2S3	
14 great blue heron <i>Ardea herodias</i>	ABNGA04010			G5	S4	
15 great egret <i>Ardea alba</i>	ABNGA05010			G5	S4	
16 legenere <i>Legenere limosa</i>	PDCAM0C010			G2	S2.2	1B.1
17 midvalley fairy shrimp <i>Branchinecta mesovallensis</i>	ICBRA03150			G2	S2	
18 northwestern pond turtle <i>Emys (=Clemmys) marmorata marmorata</i>	ARAAD02031			G3G4T3	S3	SC
19 tricolored blackbird <i>Agelaius tricolor</i>	ABPBXB0020			G2G3	S2	SC
20 vernal pool fairy shrimp <i>Branchinecta lynchi</i>	ICBRA03030	Threatened		G3	S2S3	
21 vernal pool tadpole shrimp <i>Lepidurus packardi</i>	ICBRA10010	Endangered		G3	S2S3	
22 western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	ABNRB02022	Candidate	Endangered	G5T2	S1	
23 yellow-headed blackbird <i>Xanthocephalus xanthocephalus</i>	ABPBXB3010			G5	S3S4	

Accipiter cooperii

Cooper's hawk

Element Code: ABNKC12040

Status \_\_\_\_\_ NDDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
Federal: None Global: G5 CDFG Status: SC  
State: None State: S3

Habitat Associations

General: WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro: NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Occurrence No. 99 Map Index: 62278 EO Index: 62315 Dates Last Seen \_\_\_\_\_  
Occ Rank: Good Element: 2005-08-XX  
Origin: Natural/Native occurrence Site: 2005-08-XX  
Presence: Presumed Extant  
Trend: Unknown Record Last Updated: 2005-08-11

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.44027° / -121.44555° Township: 07N  
UTM: Zone-10 N4255810 E635660 Range: 05E  
Radius: 80 meters Mapping Precision: SPECIFIC Section: 21 Qtr: SE  
Elevation: 20 ft Symbol Type: POINT Meridian: M

Location: WEST SIDE OF FRANKLIN BOULEVARD, 0.2 MILE NORTH OF SIMS ROAD, BETWEEN ELK GROVE AND SACRAMENTO

Location Detail: NEST TREE IS LOCATED ALONG THE DRIVEWAY OF A RESIDENCE ON THE EASTERN BORDER OF THE SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT BUFFERLANDS.

Ecological: NEST TREE WAS AN OLIVE; NEST WAS ONLY 30' FROM FRANKLIN BOULEVARD. SITE IS BORDERED BY THE BUFFERLANDS TO THE WEST AND RESIDENTIAL TO THE EAST.

Threat: POSSIBLE THREATS FROM ADJACENT TRAFFIC AND NEARBY CONSTRUCTION.

General: ACTIVE NEST PRESENT ON 15 JUN 2005; 2 JUVENILES WERE OBSERVED AT THE SITE INTO EARLY AUG 2005 (2 FLEDGED).

Owner/Manager: SAC COUNTY REG SANITATION DIST

**Agelaius tricolor**

tricolored blackbird

Element Code: ABPBXB0020

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G2G3 **CDFG Status:** SC  
 State: None **State:** S2

**Habitat Associations**

**General:** (NESTING COLONY) HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.  
**Micro:** REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Occurrence No.** 6 **Map Index:** 11515 **EO Index:** 7319 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 1994-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1994-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Fluctuating **Record Last Updated:** 2007-01-11

**Quad Summary:** Elk Grove (3812143/496A), Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.44757° / -121.37821° **Township:** 07N  
**UTM:** Zone-10 N4256721 E641523 **Range:** 05E  
**Area:** **Mapping Precision:**NON-SPECIFIC **Section:** 24 **Qtr:** NE  
**Elevation:** 35 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** "CALVINE" COLONY SITE; ALONG EAST AND WEST SIDE OF SPRR TRACKS, 0.2-0.6 MILES SSE OF CALVINE ROAD, SE OF SACRAMENTO.  
**Location Detail:** BIRDS ARE FOUND NESTING IN BLACKBERRIES AND FORAGING ALONG STRAWBERRY CREEK AND IN ADJACENT GRASSLANDS, UP TO 2 MILES FROM COLONY.  
**Ecological:** NESTING SUBSTRATE CONSISTS OF BLACKBERRIES, ADJACENT TO GRASSLAND.  
**Threat:** THREATENED BY ENCROACHING DEVELOPMENT. REALIGNMENT OF STRAWBERRY CREEK DAMAGED THIS SITE.  
**General:** 320 NESTED IN 1981. IN 1991, BIRDS NESTED IN BLACKBERRIES ALONG STRAWBERRY CREEK; BUSHES ELIMINATED BY RELOCATION OF CREEK. 250 ADS PRESENT IN MAY 1992; NO BIRDS BY 16 JUN 1992. 1,000+ ADS NESTED IN 1993. 250 NESTED IN 1994.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 7 **Map Index:** 11446 **EO Index:** 24793 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1981-05-11  
**Origin:** Natural/Native occurrence **Site:** 1981-05-11  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.45379° / -121.40689° **Township:** 07N  
**UTM:** Zone-10 N4257368 E639008 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 14 **Qtr:** SW  
**Elevation:** 25 ft **Symbol Type:**POINT **Meridian:** M

**Location:** CALVINE RD AND HWY 99, SE OF SACRAMENTO  
**Location Detail:** COLONY OF 50 ADULTS WITH FLEDGLING YOUNG NESTING IN CATTAIL AND BLACKBERRY.

**Owner/Manager:** PVT

**Occurrence No.** 9 **Map Index:** 11420 **EO Index:** 24792 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1981-05-15  
**Origin:** Natural/Native occurrence **Site:** 1981-05-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B), Bruceville (3812134/496C)

**County Summary:** Sacramento

**Lat/Long:** 38.37184° / -121.41690° **Township:** 06N  
**UTM:** Zone-10 N4248259 E638291 **Range:** 05E  
**Radius:** 1 mile **Mapping Precision:**NON-SPECIFIC **Section:** 15 **Qtr:** E  
**Elevation:** 25 ft **Symbol Type:**POINT **Meridian:** M

**Location:** NEAR INTERSECTION OF KAMMERER RD & BRUCEVILLE RD, 4 MI N OF FRANKLIN FIELD.  
**Location Detail:** COLONY OF 100 ADULTS OBSERVED NESTING IN BLACKBERRY ALONG FENCEROW BESIDE KAMMERER RD.

**Owner/Manager:** PVT

**Agelaius tricolor**

tricolored blackbird

Element Code: ABPBXB0020

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G2G3 **State:** S2  
 State: None **State:** S2 **CDFG Status:** SC

**Habitat Associations**

**General:** (NESTING COLONY) HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.  
**Micro:** REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Occurrence No.** 19 **Map Index:** 11473 **EO Index:** 24784 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** None **Element:** 1982-06-07  
**Origin:** Natural/Native occurrence **Site:** 1992-06-16  
**Presence:** Possibly Extirpated  
**Trend:** Unknown **Record Last Updated:** 1992-07-02

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.43629° / -121.39273° **Township:** 07N  
**UTM:** Zone-10 N4255447 E640278 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:** NON-SPECIFIC **Section:** 26 **Qtr:** NE  
**Elevation:** 30 ft **Symbol Type:** POINT **Meridian:** M

**Location:** ALONG SHELDON ROAD, 0.5 MILE EAST OF HIGHWAY 99, SOUTH OF SACRAMENTO.  
**Location Detail:** BIRDS NEST IN TYPHA GROWING ALONG CULVERTS ADJACENT TO SHELDON ROAD.  
**Ecological:** NESTING SUBSTRATE CONSISTS OF TYPHA SP.  
**General:** 130 ADULT BIRDS OBSERVED NESTING IN 1982. SITE CHECKED IN 1992; NO BIRDS OBSERVED.  
**Owner/Manager:** PVT

**Occurrence No.** 156 **Map Index:** 11521 **EO Index:** 24687 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** XXXX-XX-XX  
**Origin:** Natural/Native occurrence **Site:** XXXX-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B), Galt (3812133/496D), Bruceville (3812134/496C), Elk Grove (3812143/496A)

**County Summary:** Sacramento

**Lat/Long:** 38.37963° / -121.37439° **Township:** 06N  
**UTM:** Zone-10 N4249188 E641989 **Range:** 05E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 13 **Qtr:** NE  
**Elevation:** 40 ft **Symbol Type:** POINT **Meridian:** M

**Location:** 0.5 MILE WEST OF HWY 99, NEAR GRANT LINE ROAD EXIT, APPROXIMATELY 2 MILES SSW OF ELK GROVE  
**Ecological:** NESTING SUBSTRATE CONSISTS OF CATTAILS AND BULRUSH.  
**General:** OBSERVED NESTING BETWEEN 1969 AND 1974.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 159 **Map Index:** 11454 **EO Index:** 24684 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** XXXX-XX-XX  
**Origin:** Natural/Native occurrence **Site:** XXXX-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B), Bruceville (3812134/496C)

**County Summary:** Sacramento

**Lat/Long:** 38.37907° / -121.40023° **Township:** 06N  
**UTM:** Zone-10 N4249086 E639733 **Range:** 05E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 14 **Qtr:** N  
**Elevation:** 30 ft **Symbol Type:** POINT **Meridian:** M

**Location:** 2 MI SSW OF ELK GROVE BLVD AND HWY 99 JCT, APPROX 3 MI E OF FRANKLIN.  
**Ecological:** NESTING IN CATTAILS AND BULRUSH.  
**General:** OBS BTWN 1969 AND 1974.  
**Owner/Manager:** UNKNOWN

**Agelaius tricolor**

tricolored blackbird

Element Code: ABPBXB0020

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G2G3 **CDFG Status:** SC  
 State: None **State:** S2

**Habitat Associations**

**General:** (NESTING COLONY) HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.  
**Micro:** REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Occurrence No.** 174 **Map Index:** 17173 **EO Index:** 9704 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 1992-06-16  
**Origin:** Natural/Native occurrence **Site:** 1992-06-16  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2007-01-11

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.39249° / -121.42216° **Township:** 06N  
**UTM:** Zone-10 N4250542 E637792 **Range:** 05E  
**Area:** 10.5 acres **Mapping Precision:**SPECIFIC **Section:** 10 **Qtr:** NW  
**Elevation:** 25 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** JUST NORTH OF QUAIL RUN RD AND 0.25 MI WEST OF BRUCEVILLE ROAD, APPROXIMATELY 2 MI NE OF FRANKLIN.  
**Location Detail:**BLACKBERRY BRAMBLE USED FOR NESTING RUNS NORTH FROM QUAIL RUN; BIRDS RANGE A DISTANCE WEST FOR FORAGING.  
**Ecological:** THE NESTING AREA (BLACKBERRIES) FORMS A BOUNDARY TO A CULTIVATED FIELD (FIELD CROPS, SOMETIMES FALLOW).  
**Threat:** POSSIBLE THREAT FROM GRAZING.  
**General:** ~500 ADULTS OBSERVED NESTING IN 1990; FEMALES WERE INCUBATING AT THE TIME OF OBSERVATION. ON 16 JUN 1992, ~100 ADULTS WERE OBSERVED NESTING.

**Owner/Manager:** PVT

**Occurrence No.** 204 **Map Index:** 21602 **EO Index:** 18952 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 1992-06-18  
**Origin:** Natural/Native occurrence **Site:** 1992-06-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1992-08-05

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43635° / -121.43634° **Township:** 07N  
**UTM:** Zone-10 N4255389 E636471 **Range:** 05E  
**Area:** 40.0 acres **Mapping Precision:**SPECIFIC **Section:** 28 **Qtr:** N  
**Elevation:** 20 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** LAGUNA CREEK, NORTH & SOUTH OF SHELDON ROAD, ONE MI WEST OF BRUCEVILLE ROAD, SACRAMENTO.  
**Ecological:** NESTING SUBSTRATE WAS BLACKBERRIES ALONG THE CREEK.  
**Threat:** LAND 0.5 MI SOUTH OF THIS SITE IS CURRENTLY BEING DEVELOPED (RESIDENTIAL).  
**General:** SITE VISITED ON 16 JUNE AND 18 JUNE, 1992; 100-200 NESTING BIRDS OBSERVED.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 249 **Map Index:** 23982 **EO Index:** 24728 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 1991-05-22  
**Origin:** Natural/Native occurrence **Site:** 1991-05-22  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-11-01

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.45019° / -121.37831° **Township:** 07N  
**UTM:** Zone-10 N4257012 E641509 **Range:** 05E  
**Area:** 3.7 acres **Mapping Precision:**SPECIFIC **Section:** 24 **Qtr:** NE  
**Elevation:** 35 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** STRAWBERRY CREEK, JUST SOUTH OF CALVINE ROAD AND 0.5 MILE WEST OF ELK GROVE FLORIN ROAD, SOUTH OF SACRAMENTO.  
**Ecological:** NESTING SUBSTRATE CONSISTS OF HIMALAYA BERRY BRAMBLES ON THE SOUTH BANK OF STRAWBERRY CREEK.  
**Threat:** THREATENED BY PROPOSED DEVELOPMENT.  
**General:** 40 TRICOLORED'S OBSERVED NESTING WITH ABOUT 20 REDWINGED BLACKBIRDS; ADDITIONAL NESTS OBSERVED THAT APPEARED ABANDONED.

**Owner/Manager:** PVT

Ardea alba

great egret

Element Code: ABNGA05010

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status:  
 State: None State: S4

Habitat Associations

General: COLONIAL NESTER IN LARGE TREES.  
 Micro: ROOKERY SITES LOCATED NEAR MARSHES, TIDE-FLATS, IRRIGATED PASTURES, AND MARGINS OF RIVERS AND LAKES.

Occurrence No. 1 Map Index: 11286 EO Index: 25947 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1988-05-02  
 Origin: Natural/Native occurrence Site: 1988-05-02  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1995-11-02

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.38685° / -121.49190° Township: 06N  
 UTM: Zone-10 N4249814 E631712 Range: 04E  
 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 12 Qtr: SW  
 Elevation: 5 ft Symbol Type:POINT Meridian: M

Location: SE ARM OF NORTH STONE LAKE, NEAR JCT OF MAIN BODY OF LAKE, APPROX 6 MILES SOUTH OF SACRAMENTO  
 Ecological: GREAT BLUE HERONS AND DOUBLE-CRESTED CORMORANTS ALSO NEST AT THIS ROOKERY SITE.  
 Threat: THREATENED BY CATTLE GRAZING ON ALL SIDES OF ROOKERY, WHICH ELIMINATES REGENERATION OF TREES.  
 General: ONE GREAT EGRET NEST FOUND ON 1 FEB 88; 11 ACTIVE NESTS COUNTED ON 2 MAY 88. PROPERTY IS OWNED BY SACRAMENTO COUNTY, BUT LEASED TO A PRIVATE PARTY.  
 Owner/Manager: SAC COUNTY, PVT

Occurrence No. 33 Map Index: 66449 EO Index: 66553 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Excellent Element: 2005-03-25  
 Origin: Natural/Native occurrence Site: 2005-03-25  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-09-28

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.44405° / -121.48516° Township: 07N  
 UTM: Zone-10 N4256172 E632196 Range: 04E  
 Radius: 1/10 mile Mapping PrecisionNON-SPECIFIC Section: 24 Qtr: XX  
 Elevation: 10 ft Symbol Type:POINT Meridian: M

Location: ALONG LOWER MORRISON CREEK, JUST UPSTREAM (EAST) OF I-5, 6.5 MILES NW OF ELK GROVE.  
 Ecological: HABITAT CONSISTS OF MATURE MIXED RIPARIAN; DOMINATED BY POPULUS FREMONTII, QUERCUS LOBATA, AND SALIX GOODINGII. ROOKERY SITE INCLUDES NESTING GREAT BLUE HERONS, GREAT EGRETS, AND DOUBLE-CRESTED CORMORANTS.  
 Threat: THREATENED BY LOSS OF NEST TREES TO AGE OF FOREST AND BEAVER PREDATION.  
 General: 44 ACTIVE GBEG NESTS PRESENT DURING 2005.  
 Owner/Manager: SAC COUNTY REG SANITATION DIST

Ardea herodias

great blue heron

Element Code: ABNGA04010

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status:  
 State: None State: S4

Habitat Associations \_\_\_\_\_

General: COLONIAL NESTER IN TALL TREES, CLIFFSIDES, AND SEQUESTERED SPOTS ON MARSHES.

Micro: ROOKERY SITES IN CLOSE PROXIMITY TO FORAGING AREAS: MARSHES, LAKE MARGINS, TIDE-FLATS, RIVERS AND STREAMS, WET MEADOWS.

Occurrence No. 1 Map Index: 11286 EO Index: 13052 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1988-05-02  
 Origin: Natural/Native occurrence Site: 1988-05-02  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1995-11-02

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.38685° / -121.49190° Township: 06N  
 UTM: Zone-10 N4249814 E631712 Range: 04E  
 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 12 Qtr: SW  
 Elevation: 5 ft Symbol Type:POINT Meridian: M

Location: NORTH STONE LAKE, NEAR JCT SE ARM & MAIN LAKE BODY, APPROXIMATELY 6 MI S OF SACRAMENTO.

Location Detail: 16 NESTS WITH ADULTS IN THEM ON 1 FEB 88; 54 NESTS WITH ADULTS COUNTED ON 2 MAY 88.

Ecological: HABITAT CONSISTS OF A LARGE COTTONWOOD GROVE SURROUNDED BY FRESHWATER MARSH.

Threat: MAIN THREAT IS GRAZING, WHICH DOES NOT ALLOW FOR REGENERATION OF COTTONWOOD TREES.

General: COUNTY OF SACRAMENTO LEASES THE AREA TO A PRIVATE PARTY.

Owner/Manager: SAC COUNTY, PVT

Occurrence No. 85 Map Index: 66449 EO Index: 66552 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Excellent Element: 2005-03-25  
 Origin: Natural/Native occurrence Site: 2005-03-25  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-10-04

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.44405° / -121.48516° Township: 07N  
 UTM: Zone-10 N4256172 E632196 Range: 04E  
 Radius: 1/10 mile Mapping PrecisionNON-SPECIFIC Section: 24 Qtr: XX  
 Elevation: 10 ft Symbol Type:POINT Meridian: M

Location: ALONG LOWER MORRISON CREEK, JUST UPSTREAM OF I-5, 6.5 MILES NW OF ELK GROVE.

Ecological: HABITAT CONSISTS OF MATURE MIXED RIPARIAN; DOMINATED BY POPULUS FREMONTII, QUERCUS LOBATA, AND SALIX GOODINGII.  
 ROOKERY SITE INCLUDES NESTING GREAT BLUE HERONS, GREAT EGRETS, AND DOUBLE-CRESTED CORMORANTS.

Threat: THREATENED BY LOSS OF NEST TREES TO AGE OF FOREST AND BEAVER PREDATION.

General: 46 ACTIVE GBHE NESTS PRESENT DURING 2005.

Owner/Manager: SAC COUNTY REG SANITATION DIST

**Athene cunicularia**

burrowing owl

Element Code: ABNSB10010

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G4 CDFG Status: SC  
 State: None State: S2

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
 Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 128 Map Index: 20687 EO Index: 9481 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 1994-09-13  
 Origin: Natural/Native occurrence Site: 1994-09-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2002-08-26

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.44835° / -121.45989° Township: 07N  
 UTM: Zone-10 N4256685 E634393 Range: 05E  
 Area: 20.3 acres Mapping PrecisionSPECIFIC Section: 20 Qtr: XX  
 Elevation: 15 ft Symbol Type:POLYGON Meridian: M

Location: EAST SIDE OF SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT, BETWEEN HWY 99 AND I-5, 5 MI NORTH OF FRANKLIN.  
 Location Detail: BURROWS A, B, C, D, & L ARE LOCATED WEST OF THE UNION PACIFIC RAILROAD TRACKS. BURROWS (ARTIFICIAL, INACTIVE) G, H, I, J & K ARE LOCATED EAST OF RAILROAD TRACKS. BURROW F (INACTIVE) & E (ELIMINATED) ARE 1200FT & 1600FT WSW OF BURROW B  
 Ecological: HABITAT ADJACENT TO BURROW SITE IS GRASSLAND. SURROUNDING AREA TO WEST CONSISTS OF A WASTEWATER TREATMENT PLANT.  
 General: NESTING OCCURRED AT BURROW B (1 PAIR & 7 JUV, JUL & AUG 1992) & BURROW L (1991). 1 INDIVIDUAL OBS 30 JUNE TO 13 SEPT 1994 AT BURROW B. BURROW L ELIMINATED MARCH 1994; BURROW C ELIMINATED MARCH 1993. BURROWS A & D USED INTERMITTENTLY.

Owner/Manager: SAC COUNTY

Occurrence No. 210 Map Index: 25473 EO Index: 6907 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 2002-03-25  
 Origin: Natural/Native occurrence Site: 2002-03-25  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2002-04-03

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.45682° / -121.41949° Township: 07N  
 UTM: Zone-10 N4257685 E637903 Range: 05E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 15 Qtr: SW  
 Elevation: 30 ft Symbol Type:POLYGON Meridian: M

Location: COSUMNES RIVER COLLEGE PLAYING FIELD, SACRAMENTO  
 Location Detail: BURROWS ARE LOCATED ON THE BERMS SURROUNDING THE TRACK AND FOOTBALL FIELD.  
 Ecological: HABITAT SURROUNDING THE BURROWS CONSISTS OF INTRODUCED, ANNUAL GRASSLAND.  
 Threat: POSSIBLE DISTURBANCE/THREAT FROM JOGGER'S PETS.  
 General: 12 OCCUPIED BURROWS OBSERVED IN 1994, WITH A TOTAL OF AT LEAST 18 ADULTS (6-12 PAIRS ESTIMATED). 2 ADULTS OBSERVED PERCHED -0.2 MILE EAST OF THIS SITE ON 25 MAR 2002.

Owner/Manager: COSUMNES RIVER COLLEGE

Occurrence No. 229 Map Index: 33164 EO Index: 20284 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 2006-01-19  
 Origin: Natural/Native occurrence Site: 2006-01-19  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-02-14

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.47623° / -121.45179° Township: 07N  
 UTM: Zone-10 N4259791 E635048 Range: 05E  
 Area: 7.6 acres Mapping PrecisionSPECIFIC Section: 08 Qtr: NE  
 Elevation: 15 ft Symbol Type:POLYGON Meridian: M

Location: ALONG ELDER CREEK, JUST NW OF THE INTERSECTION OF FRANKLIN BOULEVARD AND MACK ROAD, SOUTH SACRAMENTO  
 Ecological: HABITAT CONSISTS OF MAN-MADE LEVEE; ASSOCIATED VEGETATION IS VERY WEEDY (ANNUAL GRASSES, POLYGONUM, BRASSICA, ETC). SURROUNDING: VACANT PLOWED FIELDS NORTH & SOUTH OF LEVEE, PENDING DEVELOPMENT IN LOT TO THE SOUTH, REMAINDER DEVELOPED.  
 Threat: THREATENED BY LEVEE "IMPROVEMENTS" (OWL DISPLACEMENT), DEVELOPMENT, FERAL DOGS, AND PEOPLE WALKING ON LEVEES.  
 General: AT LEAST 3, AND PROBABLY MORE, OWLS OBSERVED ON 16 MAY 1995. 1 ADULT AND 2 JUVENILES OBSERVED ON 20 SEP 2001. 9 OWLS OBSERVED AT 2 BURROWS ON 3 OCT 2005. 15 OBSERVED OCCUPYING 10 BURROWS ON 19 JAN 2006.

Owner/Manager: SAC COUNTY



**Athene cucularia**

burrowing owl

Element Code: ABNSB10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
**Micro:** SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Occurrence No.</b> 420	<b>Map Index:</b> 46504	<b>EO Index:</b> 46504	<b>Dates Last Seen</b>	
<b>Occ Rank:</b> Fair	<b>Origin:</b> Natural/Native occurrence	<b>Presence:</b> Presumed Extant	<b>Element:</b> 2005-10-03	<b>Site:</b> 2005-10-03
<b>Trend:</b> Unknown				<b>Record Last Updated:</b> 2005-10-17
<b>Quad Summary:</b> Florin (3812144/496B)				
<b>County Summary:</b> Sacramento				
<b>Lat/Long:</b> 38.48026° / -121.45358°	<b>UTM:</b> Zone-10 N4260236 E634884	<b>Area:</b> 8.1 acres	<b>Elevation:</b> 15 ft	<b>Mapping Precision:</b> SPECIFIC
		<b>Symbol Type:</b> POLYGON	<b>Township:</b> 07N	<b>Range:</b> 05E
			<b>Section:</b> 08	<b>Qtr:</b> NE
			<b>Meridian:</b> M	
<b>Location:</b> ALONG ELDER CREEK, JUST SOUTH OF THE INTERSECTION OF BROOKFIELD DRIVE AND FRANKLIN BOULEVARD, SACRAMENTO				
<b>Ecological:</b> HABITAT CONSISTS OF A SMALL, CHANNELIZED LEVEE FOR ELDER CREEK; LEVEE NEARLY DEVOID OF VEGETATION..				
<b>Threat:</b> THREATENED BY IMMINENT DEVELOPMENT OF FORAGING HABITAT AND LEVEE MAINTENANCE ACTIVITIES.				
<b>General:</b> 1 ADULT OBSERVED AT THE BURROW SITE ON 20 SEP 2001. 8 OWLS OBSERVED AT THE BURROW ON 3 OCT 2005.				
<b>Owner/Manager:</b> SAC COUNTY, PVT				
<b>Occurrence No.</b> 551	<b>Map Index:</b> 49290	<b>EO Index:</b> 49290	<b>Dates Last Seen</b>	
<b>Occ Rank:</b> Fair	<b>Origin:</b> Natural/Native occurrence	<b>Presence:</b> Presumed Extant	<b>Element:</b> 2002-06-10	<b>Site:</b> 2002-06-10
<b>Trend:</b> Unknown				<b>Record Last Updated:</b> 2002-11-06
<b>Quad Summary:</b> Florin (3812144/496B)				
<b>County Summary:</b> Sacramento				
<b>Lat/Long:</b> 38.45728° / -121.40609°	<b>UTM:</b> Zone-10 N4257756 E639071	<b>Radius:</b> 80 meters	<b>Elevation:</b> 20 ft	<b>Mapping Precision:</b> SPECIFIC
		<b>Symbol Type:</b> POINT	<b>Township:</b> 07N	<b>Range:</b> 05E
			<b>Section:</b> 14	<b>Qtr:</b> XX
			<b>Meridian:</b> M	
<b>Location:</b> NORTH OF COSUMNES RIVER COLLEGE BOULEVARD, EAST OF POWER INN ROAD AND EAST OF HIGHWAY 99, SOUTH SACRAMENTO				
<b>Location Detail:</b> A WELL-KNOWN COLONY OF BUOW EXISTS ABOUT A MILE FROM THIS SITE, AT COSUMNES RIVER COLLEGE.				
<b>Ecological:</b> HABITAT CONSISTS OF A VACANT LOT (~10 ACRES IN SIZE), DOMINATED BY EXOTIC ANNUAL PLANT SPECIES; SURROUNDED BY AN AREA OF RAPIDLY DEVELOPING COMMERCIAL AND APARTMENTS.				
<b>Threat:</b> THREATENED BY DEVELOPMENT.				
<b>General:</b> 4 ADULTS OBSERVED AT THIS ACTIVE BURROW SITE ON 10 JUN 2002.				
<b>Owner/Manager:</b> UNKNOWN				

**Athene cunicularia**

burrowing owl

Element Code: ABNSB10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
**Micro:** SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Occurrence No.</b> 558	<b>Map Index:</b> 50990	<b>EO Index:</b> 50990	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2002-09-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-09-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2003-04-15

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.43778° / -121.45147°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4255525 E635148	<b>Range:</b> 05E
<b>Area:</b> 10.7 acres	<b>Section:</b> 29
<b>Elevation:</b> 15 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** ALONG SIMS ROAD, ~0.4 MILE WEST OF FRANKLIN BOULEVARD, SOUTH SACRAMENTO  
**Location Detail:** SITE CONSISTS OF 2 BURROWS, LOCATED ~500 FEET APART.  
**Ecological:** HABITAT SURROUNDING BURROWS CONSISTS OF ANNUAL GRASSLAND.  
**Threat:** THREATENED BY CLOSE PROXIMITY TO SIMS ROAD AND THE POTENTIAL FOR VEHICLE STRIKES.  
**General:** 2 ADULTS AND 1 JUVENILE OBSERVED AT THE WEST BURROW AND 1 ADULT OBSERVED AT THE EAST BURROW ON 3 SEP 2002.  
**Owner/Manager:** SAC COUNTY-BUFFERLANDS

<b>Occurrence No.</b> 665	<b>Map Index:</b> 54632	<b>EO Index:</b> 54632	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2002-06-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-06-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2004-03-09

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.47044° / -121.49883°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4259081 E630954	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 12
<b>Elevation:</b> 12 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** EAST SIDE OF I-5, 0.3 MILE EAST OF FREEPORT BEND ON THE SACRAMENTO RIVER, SOUTH OF THE MEADOVIEW AREA OF SACRAMENTO.  
**Location Detail:** BURROW IS LOCATED NEAR THE TOP OF THE DRAINAGE CANAL, ON THE NORTH SLOPE, ~30' FROM THE I-5 FENCE.  
**Ecological:** HABITAT SURROUNDING BURROW SITE CONSISTS OF AGRICULTURE/URBAN.  
**Threat:** THREATENED BY URBAN DEVELOPMENT AND CANAL MAINTENANCE.  
**General:** 2 ADULTS AND 4 JUVENILES OBSERVED AT THE BURROW ON 6 JUN 2002.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 666	<b>Map Index:</b> 54636	<b>EO Index:</b> 54636	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2004-02-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2004-02-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2004-03-09

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.46709° / -121.49460°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4258715 E631330	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 13
<b>Elevation:</b> 11 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** EAST SIDE OF I-5, AT THE "U"-BEND IN STONECREST AVENUE, SOUTH OF THE MEADOVIEW AREA OF SACRAMENTO  
**Ecological:** HABITAT SURROUNDING BURROW SITE CONSISTS OF AGRICULTURE/URBAN.  
**General:** 1 ADULT OBSERVED AT THE BURROW ON 10 FEB 2004.  
**Owner/Manager:** UNKNOWN

**Athene cunicularia**

burrowing owl

Element Code: ABNSB10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

**Habitat Associations**

**General:** OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
**Micro:** SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

<b>Occurrence No.</b> 696	<b>Map Index:</b> 55870	<b>EO Index:</b> 55886	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2004-06-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2004-06-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2004-06-22

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.49548° / -121.47035°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4261900 E633393	<b>Range:</b> 05E
<b>Radius:</b> 80 meters	<b>Section:</b> 06
<b>Elevation:</b> 20 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** JUST SE OF THE INTERSECTION OF FLORIN ROAD AND UNION PACIFIC (WESTERN PACIFIC) RR, WEST OF HWY 99, SACRAMENTO  
**Location Detail:** OWLS UTILIZE A DIRT BERM BESIDE THE RUNNING TRACK AT BURBANK HIGH SCHOOL, INSIDE A CHAINLINK FENCE THAT SEPARATES THE SCHOOL FROM THE RAILROAD TRACK TO THE WEST AND FLORIN ROAD TO THE NORTH.  
**Ecological:** SURROUNDING HABITAT CONSISTS OF A DIRT BERM; AREA APPEARS TO BE MOWED AT SOME TIME OF THE YEAR, CREATING THE SHORT, DRY ANNUAL GRASS THE BIRDS PREFER.  
**Threat:** POTENTIAL THREAT OF DISTURBANCE BY BURBANK HIGH SCHOOL STUDENTS.  
**General:** 2 ADULTS OBSERVED AT THE BURROW SITE ON 15 JUN 2004.  
**Owner/Manager:** SACRAMENTO CITY SCHOOL DIST

<b>Occurrence No.</b> 756	<b>Map Index:</b> 62816	<b>EO Index:</b> 62870	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2005-09-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-09-28
<b>Presence:</b> Possibly Extirpated			
<b>Trend:</b> Decreasing			<b>Record Last Updated:</b> 2005-10-17

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.47504° / -121.45550°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4259654 E634726	<b>Range:</b> 05E
<b>Radius:</b> 80 meters	<b>Section:</b> 08
<b>Elevation:</b> 15 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** 0.3 MILE WEST OF THE INTERSECTION OF FRANKLIN BOULEVARD AND MACK ROAD, SOUTH SACRAMENTO  
**Location Detail:** SITE CONSISTS OF AN 8.3-ACRE SITE FROM WHICH THE OWLS WERE PASSIVELY RELOCATED BEFORE GRADING FOR DEVELOPMENT.  
**Ecological:** HABITAT CONSISTS OF A FALLOW FIELD DEVOID OF VEGETATION DUE TO DISKING, BORDERED BY CHANNELIZED STREAM LEVEES.  
**Threat:** THREATENED BY IMMINENT DEVELOPMENT AND LEVEE MAINTENANCE ACTIVITIES.  
**General:** 5 OWLS OBSERVED/4 BANDED ON 27-28 SEP 2005.  
**Owner/Manager:** PVT

**Branchinecta lynchi**

vernal pool fairy shrimp

Element Code: ICBRA03030

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Threatened	Global: G3	CDFG Status:
State: None	State: S2S3	

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

<b>Occurrence No.</b> 138	<b>Map Index:</b> 34812	<b>EO Index:</b> 29267	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1997-01-14
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-01-14
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1999-02-19

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.39538° / -121.46627°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4250798 E633934	<b>Range:</b> 05E
<b>Area:</b> 570.1 acres	<b>Mapping Precision:</b> SPECIFIC
<b>Elevation:</b> 15 ft	<b>Symbol Type:</b> POLYGON
	<b>Section:</b> 6 <b>Qtr:</b> XX
	<b>Meridian:</b> M

**Location:** 2.1 KM NNW OF FRANKLIN; WEST OF WESTERN PACIFIC RR, EAST OF I-5 AND SOUTH OF ELK GROVE BLVD.  
**Location Detail:** ELLIOTT RANCH & ELK GROVE BLVD EXTENSION/I-5 INTERCHANGE MITIGATION SITES. 1995: 23 WETLANDS SURVEYED. 1996: 74 WETLANDS SURVEYED. LINDERIELLA OCCIDENTALIS &/OR MIDVALLEY SHRIMP (BRANCHINECTA SP) ALSO PRESENT. 1997: 52 WETLANDS SAMPLED.  
**Ecological:** NATURAL AND CONSTRUCTED HARDPAN VERNAL POOLS IN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.  
**General:** 1995: 50+ ADULTS OBS IN 3 POOLS (VP101, VP221 & VPG2), 3 COLLECTED & DEPOSITED IN CAS. 1996: 50+ ADULTS OBS IN 27 POOLS. 1997: OBS IN 43 OF 52 SAMPLED WETLANDS.  
**Owner/Manager:** PVT-GRUPE DEVELOPMENT CO

<b>Occurrence No.</b> 161	<b>Map Index:</b> 33873	<b>EO Index:</b> 30426	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2000-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2000-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2006-03-20

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.43446° / -121.45406°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4255153 E634928	<b>Range:</b> 05E
<b>Area:</b>	<b>Mapping Precision:</b> NON-SPECIFIC
<b>Elevation:</b> 20 ft	<b>Symbol Type:</b> POLYGON
	<b>Section:</b> 29 <b>Qtr:</b> XX
	<b>Meridian:</b> M

**Location:** SOUTH OF UNION HOUSE CREEK (= BEACON CREEK ON MAP) AND NORTH OF ELK GROVE BLVD. SOUTH OF SACRAMENTO  
**Location Detail:** SOUTH OF SIMS ROAD, POOLS LOCATED SOMEWHERE IN SECTIONS 29 & 32. NORTH OF DWIGHT ROAD, POOLS LOCATED BETWEEN FRANKLIN RD. & RR TRACKS.  
**Ecological:** NATURAL VERNAL POOLS. POOLS NORTH OF DWIGHT ROAD DOMINATED BY ERYNGIUM VASEYI, PHyla NODIFLORA, HORDEUM MARINUM SSP. GUSSONEANUM, JUNCUS BUFONIUS, PLAGIOBOTHRYUS STIPITATUS, ELEOCHARIS MACROSTRACHYA, LASTHENIA FREMONTII & L. GLABERRIMA.  
**General:** 1993: B. LYNCHI FOUND IN 1 OF 4 FEATURES OBS IN SECTION 32 & IN THE 1 FEATURE OBS IN SECTION 29. L. PACKARDI ALSO FOUND. SUGNET RECORD #S 56 & 57. ALSO FOUND E OF SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT; ON WEST SIDE OF RR TRACKS.  
**Owner/Manager:** SRWTP BUFFERLANDS

**Branchinecta lynchi**

vernal pool fairy shrimp

Element Code: ICBRA03030

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: Threatened **Global:** G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

**Occurrence No.** 166 **Map Index:** 33692 **EO Index:** 30609 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-03  
**Origin:** Natural/Native occurrence **Site:** 1992-04-03  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1998-08-10

**Quad Summary:** Florin (3812144/496B), Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51048° / -121.39984° **Township:** 08N  
**UTM:** Zone-10 N4263669 E639514 **Range:** 05E  
**Area:** 1,513.2 acres **Mapping Precision:**SPECIFIC **Section:** 35 **Qtr:** XX  
**Elevation:** 35 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** SOUTH OF FRUITRIDGE RD, NORTH OF FLORIN RD, EAST OF POWER INN RD, & WEST OF FLORIN PERKINS RD.

**Location Detail:**ROADSIDE DITCHES LOCATED SOMEWHERE IN SECTIONS 26 AND 35.

**Ecological:** MOST OF SECTION 26 IS URBANIZED.

**General:** A MANMADE ROADSIDE DITCH IN SECTION 35 CONTAINED B. LYNCHI AND LEPIDURUS PACKARDI.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 187 **Map Index:** 36815 **EO Index:** 31812 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1991-03-13  
**Origin:** Natural/Native occurrence **Site:** 1991-03-13  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1997-09-24

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.41239° / -121.47352° **Township:** 07N  
**UTM:** Zone-10 N4252675 E633270 **Range:** 05E  
**Area:** **Mapping Precision:**NON-SPECIFIC **Section:** 31 **Qtr:** S  
**Elevation:** 10 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** SOUTH OF ELLIOTT RANCH ROAD, JUST EAST OF I-5, 4 MILES SOUTH OF SACRAMENTO.

**Location Detail:**THREE COLLECTIONS MADE IN THE SW QUARTER AND ONE COLLECTION MADE IN THE SE QUATER OF SECTION 31.

**General:** AN UNKNOWN NUMBER WERE COLLECTED BY DAVID MUTH; SENT TO DENTON BELK FOR IDENTIFICATION (DB#1019, 1021, 1022, 1024).

**Owner/Manager:** UNKNOWN

**Occurrence No.** 312 **Map Index:** 46122 **EO Index:** 46122 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2001-03-11  
**Origin:** Natural/Native occurrence **Site:** 2001-03-11  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2001-10-11

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.43553° / -121.38764° **Township:** 07N  
**UTM:** Zone-10 N4255371 E640723 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 25 **Qtr:** NW  
**Elevation:** 30 ft **Symbol Type:**POINT **Meridian:** M

**Location:** NNW ELK GROVE. 0.75 MILES EAST INTERSECT OF STATE RTE 99 & SHELDON RD; APPROX 1.5 MILES SOUTH ALONG UNIMPROVED RD .

**Location Detail:**EAST SIDE OF ROAD, VERNAL POOL 10.

**Ecological:** HABITAT CONSISTS OF DISKED FIELDS INTERSPERSED WITH VERNAL POOLS AND SEASONAL WETLANDS. PLANT SPECIES INCLUDE: WILD OATS, RIPGUT BROME, SOFT BROME AND VETCH. CARTER'S BUTTERCUP, WINGED WATER-STARWORT, SLENDER POPCORN FLOWER OBS IN POOLS.

**Threat:** THREATENED BY DEVELOPMENT (SHELDON ESTATES PROJECT).

**General:** LESS THAN 100 INDIVIDUALS OBSERVED.

**Owner/Manager:** PVT

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G2 CDFG Status:  
 State: None State: S2

Habitat Associations

General: VERNAL POOLS IN THE CENTRAL VALLEY.  
 Micro:

Occurrence No. 18 Map Index: 46082 EO Index: 46082 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 2006-01-25  
 Origin: Natural/Native occurrence Site: 2006-01-25  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-08-17

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.43109° / -121.38788° Township: 07N  
 UTM: Zone-10 N4254878 E640711 Range: 05E  
 Radius: 1/10 mile Mapping PrecisionNON-SPECIFIC Section: 25 Qtr: NW  
 Elevation: 30 ft Symbol Type:POINT Meridian: M

Location: BETWEEN LAGUNA CREEK AND SHELDON ROAD, 0.6 MILES EAST OF HIGHWAY 99, 1.8 MILES NE OF ELK GROVE.  
 Location Detail: VERNAL POOL 5; POOL LOCATED IMMEDIATELY ADJACENT TO A RESIDENTIAL DEVELOPMENT.  
 Ecological: HABITAT CONSISTS OF DISKED FIELDS INTERSPERSED WITH VERNAL POOLS AND SEASONAL WETLANDS. PLANT SPECIES INCLUDE: WILD OATS, RIPGUT BROME, SOFT BROME AND VETCH. CARTER'S BUTTERCUP, WINGED WATER-STARWORT, SLENDER POPCORN FLOWER OBS IN POOLS.  
 Threat: THREATENED BY DEVELOPMENT.  
 General: >100 INDIVIDUALS FOUND IN VERNAL POOL #5 ON 11 MAR 2001. 100S OF INDIVIDUALS OBSERVED ON 25 JAN 2006 IN SEASONAL WETLAND OF APPROX 195 SQUARE METERS; AVG POOL DEPTH WAS 8 CM, AND WATER TEMP WAS 15.5 DEGREES C.

Owner/Manager: PVT

Occurrence No. 26 Map Index: 48247 EO Index: 48247 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1991-03-13  
 Origin: Natural/Native occurrence Site: 1991-03-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2002-07-15

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.38360° / -121.47653° Township: 06N  
 UTM: Zone-10 N4249476 E633060 Range: 05E  
 Radius: 2/5 mile Mapping PrecisionNON-SPECIFIC Section: 07 Qtr: SW  
 Elevation: 10 ft Symbol Type:POINT Meridian: M

Location: POOL BESIDE I-5. 1.25 MILES WNW OF FRANKLIN.  
 Ecological: VERNAL POOL.  
 General: DENTON BELK COLLECTION #1018 COLLECTED 13 MAR 1991 BY DAVID MUTH.  
 Owner/Manager: UNKNOWN

Occurrence No. 27 Map Index: 48248 EO Index: 48248 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1991-03-13  
 Origin: Natural/Native occurrence Site: 1991-03-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2002-07-15

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.41220° / -121.47769° Township: 07N  
 UTM: Zone-10 N4252648 E632906 Range: 05E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 31 Qtr: SW  
 Elevation: 10 ft Symbol Type:POLYGON Meridian: M

Location: SOUTH OF ELLIOT RANCH ROAD & EAST OF I-5, 4 MILES SOUTH OF SACRAMENTO.  
 Ecological: VERNAL POOL.  
 General: DENTON BELK COLLECTION #1021 COLLECTED 13 MAR 1991 BY DAVID MUTH.  
 Owner/Manager: UNKNOWN

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CDFG Status:

State: None

State: S2

Habitat Associations

General: VERNAL POOLS IN THE CENTRAL VALLEY.

Micro:

Occurrence No. 39

Map Index: 48347

EO Index: 48347

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-07-24

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.40935° / -121.44631°

Township: 07N

UTM: Zone-10 N4252378 E635651

Range: 05E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 32

Qtr: SE

Elevation: 20 ft

Symbol Type:POINT

Meridian: M

Location: 4.5 MILES WEST OF ELK GROVE; 200FT NORTH OF ELK GROVE BLVD, 0.2 MILE EAST OF FRANKLIN BLVD.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #004. DATE OF COLLECTION UNKNOWN. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Occurrence No. 40

Map Index: 48348

EO Index: 48348

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-07-24

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.40933° / -121.45822°

Township: 07N

UTM: Zone-10 N4252358 E634611

Range: 05E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 32

Qtr: SW

Elevation: 20 ft

Symbol Type:POINT

Meridian: M

Location: 5.2 MILES WEST OF ELK GROVE; 200 FT NORTH OF ELK GROVE BLVD, 0.45 MILE WEST OF FRANKLIN BLVD.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #015. DATE OF COLLECTION UNKNOWN. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Occurrence No. 41

Map Index: 48349

EO Index: 48349

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-07-24

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.42421° / -121.44625°

Township: 07N

UTM: Zone-10 N4254026 E635629

Range: 05E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 29

Qtr: SE

Elevation: 20 ft

Symbol Type:POINT

Meridian: M

Location: 4.5 MILES WEST OF ELK GROVE; 1.1 MILES NORTH OF ELK GROVE BLVD ALONG FRANKLIN BLVD AND 400 FT TO THE EAST.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #005. DATE OF COLLECTION UNKNOWN. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G2 CDFG Status:  
 State: None State: S2

Habitat Associations

General: VERNAL POOLS IN THE CENTRAL VALLEY.  
 Micro:

Occurrence No. 54 Map Index: 34812 EO Index: 51350 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1997-XX-XX  
 Origin: Natural/Native occurrence Site: 1997-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2003-05-21

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.39538° / -121.46627° Township: 06N  
 UTM: Zone-10 N4250798 E633934 Range: 05E  
 Area: 570.1 acres Mapping Precision: SPECIFIC Section: 6 Qtr: XX  
 Elevation: 15 ft Symbol Type: POLYGON Meridian: M

Location: NORTH AND SOUTH OF UNNAMED CREEK, BETWEEN I-5 AND FRANKLIN BLVD, 1.3 MILES NW OF FRANKLIN.  
 Location Detail: ELLIOTT RANCH MITIGATION SITE. 1997: POOL #'S VP201, VP202 AND SW 235.  
 Ecological: HABITAT CONSISTS OF NATURAL & CONSTRUCTED HARDPAN VERNAL POOLS, SEASONAL MARSHES & WETLANDS WITHIN NON-NATIVE ANNUAL GRASSLAND.  
 General: SPECIES OBSERVED IN AN UNKNOWN NUMBER OF POOLS OUT OF 21 SAMPLED POOLS DURING FEB 1995 AND 70 SAMPLED POOLS DURING FEB, MAR 1996. SPECIES OBSERVED IN 3 OF 52 POOLS DURING SURVEYS ON 10, 14 JAN AND 6 MAR 1997.

Owner/Manager: PVT-GRUPE DEVELOPMENT CO

Occurrence No. 65 Map Index: 60907 EO Index: 60943 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 2004-03-12  
 Origin: Natural/Native occurrence Site: 2004-03-12  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-04-11

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.44821° / -121.41953° Township: 07N  
 UTM: Zone-10 N4256729 E637915 Range: 05E  
 Radius: 1/10 mile Mapping Precision: NON-SPECIFIC Section: 22 Qtr: NW  
 Elevation: 25 ft Symbol Type: POINT Meridian: M

Location: NORTHWEST CORNER OF BRUCEVILLE RD X JACINTO RD.  
 Ecological: SITE IS COMPOSED OF NON-NATIVE ANNUAL GRASSLAND AND APPEARS TO BE DISKED AT LEAST ANNUALLY FOR WEED CONTROL AND FIRE PREVENTION.  
 Threat: POTENTIAL DEVELOPMENT  
 General: 6 SEASONAL WETLAND FEATURES SAMPLED BETWEEN 2 JAN & 12 MAR 2004. 1 MALE FAIRY SHRIMP OBSERVED IN VP-01 ON 12 MAR 2004.

Owner/Manager: PVT



**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None State: Threatened	Global: G5 State: S2	CDFG Status:

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Occurrence No.</b> 114	<b>Map Index:</b> 11221	<b>EO Index:</b> 7546	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1991-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Stable			<b>Record Last Updated:</b> 1993-04-28

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

<b>Lat/Long:</b> 38.47336° / -121.51950°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4259375 E629147	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 10
<b>Elevation:</b> 10 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** SACRAMENTO RIVER, RM-47.9(R), ABOUT 1 MILE UPSTREAM OF FREEPORT BEND, SACRAMENTO.

**Ecological:** NEST TREE IS A COTTONWOOD WITHIN RIPARIAN HABITAT; SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURAL FIELDS.

**General:** DFG SWHA #YO025. 2 BIRDS OBSERVED SOARING IN THIS TERRITORY IN 1981. NEST SITE WAS DISCOVERED IN 1984 AND HAS BEEN ACTIVE EVERY YEAR SINCE, WITH YOUNG FLEDGED IN 1984 (1), 1985 (1), 1986 (1), 1988 (2), AND 1990 (1).

**Owner/Manager:** PVT

<b>Occurrence No.</b> 179	<b>Map Index:</b> 11308	<b>EO Index:</b> 27120	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1984-05-12
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1984-05-12
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1989-08-10

**Quad Summary:** Florin (3812144/496B), Bruceville (3812134/496C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.37962° / -121.47745°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4249033 E632987	<b>Range:</b> 05E
<b>Radius:</b> 1 mile	<b>Section:</b> 07
<b>Elevation:</b> 5 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** I-5 APPROX 2 MI N OF HOOD-FRANKLIN RD.

**General:** DFG SWHA #SA011. ADULTS OBS SOARING OVER AREA IN 1979 AND 1984. NESTS NOT FOUND.

**Owner/Manager:** PVT

<b>Occurrence No.</b> 186	<b>Map Index:</b> 11157	<b>EO Index:</b> 7592	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1991-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1991-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-07-06

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

<b>Lat/Long:</b> 38.47929° / -121.54772°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4259994 E626674	<b>Range:</b> 04E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 09
<b>Elevation:</b> 10 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** SACRAMENTO RIVER, 2 MILES NNW OF FREEPORT BEND, NEAR BABEL SLOUGH, SACRAMENTO.

**Ecological:** NEST TREE IS A COTTONWOOD, LOCATED DIRECTLY OVER THE RIVERBANK. FORAGING HABITAT IS AGRICULTURE (TOMATOES, WHEAT & ROW CROPS).

**General:** DFG SWHA #YO061. HAWKS OBSERVED SOARING IN 1981-82. NEST DISCOVERED IN 1984, WITH ONE YNG FLEDGED; ONE FLEDGED IN 1985; NESTING WITH UNKNOWN SUCCESS IN 1986-87; 2 YNG FLEDGED IN 1988; IN 1990, NESTING UNSUCCESSFUL; IN 1991, ONE YNG FLEDGED.

**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 187 **Map Index:** 11229 **EO Index:** 27113 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1979-07-26  
**Origin:** Natural/Native occurrence **Site:** 1982-06-30  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B), Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.41906° / -121.51857° **Township:** 07N  
**UTM:** Zone-10 N4253351 E629325 **Range:** 04E  
**Radius:** 1 mile **Mapping Precision:**NON-SPECIFIC **Section:** 39 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** NETHERLANDS RD AND SOUTH RIVER RD INTERSECTION.  
**Location Detail:** 1 ADULT OBS ON E SIDE OF RIVER BUT NO NEST FOUND IN 1979.  
**General:** DFG SWHA #SA010. NO ADULTS OR NEST FOUND IN 1982.  
**Owner/Manager:** PVT

**Occurrence No.** 188 **Map Index:** 11255 **EO Index:** 27112 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1982-05-12  
**Origin:** Natural/Native occurrence **Site:** 1982-05-12  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B), Clarksburg (3812145/497A)

**County Summary:** Sacramento

**Lat/Long:** 38.43407° / -121.50440° **Township:** 07N  
**UTM:** Zone-10 N4255037 E630535 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 26 **Qtr:** NE  
**Elevation:** \_\_\_\_\_ **Symbol Type:**POINT **Meridian:** M

**Location:** EXACTLY 3 MI N OF SCRIBNER RD ON HWY 160, E SIDE SACRAMENTO RIVER.  
**Ecological:** GOOD HABITAT W/LARGE COTTONWOODS IN SWAMPY AREA ON N SIDE OF LEVEE.  
**General:** DFG SWHA #SA023. 2 ADULTS OBS, 1 DARK, 1 MEDIUM PHASE. CARRYING PREY.  
**Owner/Manager:** PVT

**Occurrence No.** 189 **Map Index:** 11369 **EO Index:** 27110 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1979-06-29  
**Origin:** Natural/Native occurrence **Site:** 1982-06-28  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.43712° / -121.44413° **Township:** 07N  
**UTM:** Zone-10 N4255462 E635790 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 28 **Qtr:** NW  
**Elevation:** 20 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SE CORNER OF INTERSECTION ON FRANKLIN BLVD AND SHELDON RD.  
**General:** DFG SWHA #SA005. 1 ADULT OBS IN 1979, NO NEST FOUND. NO ACTIVITY IN 1980 OR 1982.  
**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G5 **CDFG Status:**  
**State:** Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 192 **Map Index:** 11143 **EO Index:** 27108 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1983-05-31  
**Origin:** Natural/Native occurrence **Site:** 1983-05-31  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo, Sacramento

**Lat/Long:** 38.49657° / -121.55634° **Township:** 08N  
**UTM:** Zone-10 N4261900 E625892 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 32 **Qtr:** SE  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** EAST SIDE OF THE SACRAMENTO RIVER, OPPOSITE GARCIA BEND.

**General:** DFG SWHA #SA033. 1 ADULT ON NEST. AREA NOT SURVEYED BUT SOURCE DOCUMENT SAYS SECTION 32. MAY BE SA019 MOVING NEST SITE NORTH.

**Owner/Manager:** PVT

**Occurrence No.** 212 **Map Index:** 11233 **EO Index:** 27089 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1984-06-26  
**Origin:** Natural/Native occurrence **Site:** 1984-06-26  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1995-10-27

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.40045° / -121.51663° **Township:** 08N  
**UTM:** Zone-10 N4251289 E629527 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 02 **Qtr:** NW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** 0.8 MILE SOUTH OF THE JUNCTION OF SCRIBNER AND SOUTH RIVER ROADS, ON THE WEST SIDE OF THE SACRAMENTO RIVER.

**General:** DFG SWHA #YO057. 2 BIRDS SEEN PERCHED; NO NEST FOUND.

**Owner/Manager:** PVT

**Occurrence No.** 218 **Map Index:** 11192 **EO Index:** 27084 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1988-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1988-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-04-19

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.43212° / -121.53523° **Township:** 07N  
**UTM:** Zone-10 N4254777 E627847 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 27 **Qtr:** NW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-43.2(R), 1 MILE NORTH OF CLARKSBURG.

**Ecological:** NEST TREE IS A COTTONWOOD WITHIN COTTONWOOD-DOMINATED RIPARIAN; SURROUNDING FORAGING HABITAT CONSISTS OF CROPLAND.

**General:** DFG SWHA #YO056. ONE YOUNG (APPROX. 7-WEEKS-OLD) OBSERVED IN NEST IN 1984. IN 1985, TWO ADULTS FLEDGED ONE YOUNG. NO NESTING OCCURRED IN 1986. IN 1987, ONLY ONE BIRD OBSERVED SOARING. TWO ADULTS FLEDGED ONE YOUNG IN 1988.

**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 219 **Map Index:** 11257 **EO Index:** 27083 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1982-05-12  
**Origin:** Natural/Native occurrence **Site:** 1984-06-26  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo, Sacramento

**Lat/Long:** 38.45713° / -121.50495° **Township:** 07N  
**UTM:** Zone-10 N4257595 E630445 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 14 **Qtr:** SE  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST BANK OF THE SACRAMENTO RIVER, AT ROAD 139.

**General:** DFG SWHA #YO032. 1 ADULT MEDIUM-PHASE OBSERVED IN 1982, BUT NO NEST FOUND. SITE INACTIVE IN 1984; NO BIRDS OBSERVED.

**Owner/Manager:** PVT

**Occurrence No.** 267 **Map Index:** 11134 **EO Index:** 27041 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1983-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1983-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1995-10-27

**Quad Summary:** Clarksburg (3812145/497A), Courtland (3812135/497D)

**County Summary:** Yolo

**Lat/Long:** 38.36851° / -121.55551° **Township:** 06N  
**UTM:** Zone-10 N4247691 E626188 **Range:** 04E  
**Radius:** 1 mile **Mapping Precision:**NON-SPECIFIC **Section:** 16 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ELK SLOUGH, EAST OF THE INTERSECTION OF NORTH COURTLAND ROAD AND NETHERLAND ROAD

**Ecological:** NEST TREE IS A LARGE COTTONWOOD.

**General:** DFG SWHA #YO038. IN 1983, 2 ADULTS OBSERVED, WITH 2 EGGS IN THE NEST.

**Owner/Manager:** PVT

**Occurrence No.** 312 **Map Index:** 21028 **EO Index:** 10033 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 1990-07-02  
**Origin:** Natural/Native occurrence **Site:** 1990-07-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1992-04-22

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.41306° / -121.39896° **Township:** 07N  
**UTM:** Zone-10 N4252860 E639779 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 35 **Qtr:** SE  
**Elevation:** 30 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ALONG BIGHORN ROAD, 0.3 MI NORTH OF ELK GROVE BLVD AND 0.5 MI WEST OF HWY 99, 1.5 MI WEST OF ELK GROVE.

**Location Detail:** BIRDS WERE FIRST OBSERVED USING SNAGS ADJACENT TO BIGHORN ROAD, LATER NESTING IN VALLEY OAKS BEHIND SNAGS. AFTER YOUNG FLEDGED, THE BIRDS RANGED NORTH OVER FIELDS NEAR THE MARSH ON ELK GROVE CREEK.

**Ecological:** HABITAT SURROUNDING NEST TREE AND NEARBY SNAGS IS OPEN GRASSLAND.

**Threat:** THREATENED BY PROPOSED DEVELOPMENT.

**General:** THE PAIR OF HAWKS WAS OBSERVED FROM 20 APRIL THROUGH 2 JULY 1990, THROUGH THEIR BREEDING PERIOD. AT LEAST ONE YOUNG FLEDGED, AFTER WHICH THEY MOVED TO SOME TREES ON STOCKTON BLVD, NORTH OF DUNISCH ROAD.

**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 395 **Map Index:** 21806 **EO Index:** 8363 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 1992-07-16  
**Origin:** Natural/Native occurrence **Site:** 1992-07-16  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1999-10-07

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.44257° / -121.49948° **Township:** 07N  
**UTM:** Zone-10 N4255987 E630949 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 24 **Qtr:** XX  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** EAST BANK OF SACRAMENTO RIVER, 1 MILE SOUTH OF FREEPORT.

**Location Detail:** NEST TREE IS LOCATED ON THE EAST SIDE OF THE LEVEE IN AN ISOLATED STAND OF TREES ALONG THE ACCESS ROAD TO BEACH LAKE.

**Ecological:** NEST TREE IS A VALLEY OAK (QUERCUS LOBATA); ADJACENT AGRICULTURAL FIELDS INCLUDE SAFFLOWER AND ALFALFA.

**Threat:** POSSIBLE THREAT FROM INCREASED FOOT TRAFFIC/HUMAN DISTURBANCE IF PROPOSED NATURE CENTER IS BUILT.

**General:** DFG SWHA #SA044. 1 ADULT/1 JUVENILE OBSERVED ON NEST ON 16 JUL 1992; 2 ADULTS PRESENT ON 20 JUL 1992.

**Owner/Manager:** PVT-BEACH LAKE PROPERTIES

**Occurrence No.** 508 **Map Index:** 23234 **EO Index:** 7587 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1990-08-08  
**Origin:** Natural/Native occurrence **Site:** 1990-08-08  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-07-06

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.47137° / -121.50849° **Township:** 07N  
**UTM:** Zone-10 N4259170 E630111 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 11 **Qtr:** SE  
**Elevation:** 20 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-47.2(R), AT FREEPORT BEND, SACRAMENTO.

**Ecological:** NEST TREE IS A LARGE COTTONWOOD LOCATED 15 FEET FROM THE RIVER; SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURAL FIELDS (ALFALFA, SAFFLOWER, WHEAT).

**General:** DFG SWHA #YO198. NEST WITH ONE YOUNG OBSERVED IN 1986. IN 1987, ONE ADULT OBSERVED AT NEST WITH TWO YOUNG. IN 1988, TWO ADULTS FLEDGED 3 YOUNG. IN 1990, TWO ADULTS OBSERVED NESTING, BUT NO YOUNG FLEDGED.

**Owner/Manager:** PVT

**Occurrence No.** 509 **Map Index:** 23233 **EO Index:** 7588 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1991-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1991-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-04-20

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.47301° / -121.53166° **Township:** 07N  
**UTM:** Zone-10 N4259320 E628086 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 10 **Qtr:** SW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-48.55(R), 1.5 MILES EAST OF FREEPORT BEND, SACRAMENTO.

**Ecological:** NEST TREE IS A LARGE OAK TREE WITHIN A GROUP OF 3 ISOLATED TREES NEAR A FARMHOUSE, 250 FEET FROM THE RIVER; SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURAL FIELDS (TOMATOES AND WHEAT).

**General:** DFG SWHA #YO199(PART). TWO ADULTS FLEDGED ONE YOUNG (A SECOND HATCHLING DIED WITHIN ONE WEEK OF HATCHING).

**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 510 **Map Index:** 23232 **EO Index:** 7591 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1990-08-08  
**Origin:** Natural/Native occurrence **Site:** 1990-08-08  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-07-06

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.47305° / -121.53631° **Township:** 07N  
**UTM:** Zone-10 N4259317 E627681 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 10 **Qtr:** SW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-48.8(R), 1 MILE SE OF BABEL SLOUGH JUNCTION, SACRAMENTO.

**Ecological:** NEST TREE IS A SMALL LOCUST, LOCATED 20 FEET FROM THE RIVER; SURROUNDING FORAGING HABITAT CONSISTS OF AGRICULTURAL FIELDS (TOMATOES AND WHEAT).

**General:** DFG SWHA #YO199(PART). IN 1990, TWO ADULTS OBSERVED NESTING; NEST EVENTUALLY ABANDONED.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 511 **Map Index:** 23231 **EO Index:** 7593 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1991-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1991-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-07-06

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.48150° / -121.54949° **Township:** 07N  
**UTM:** Zone-10 N4260237 E626516 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 04 **Qtr:** SW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-49.6(R), AT THE MOUTH OF BABEL SLOUGH, SACRAMENTO.

**Ecological:** NEST TREE IS A TALL COTTONWOOD, WITHIN THE RIPARIAN GROVE SURROUNDING THE MOUTH OF BABEL SLOUGH, 50 FEET FROM THE RIVER; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA, WHEAT, AND OTHER GRAINS.

**General:** DFG SWHA #YO200. 2 ADULTS FLEDGED 1 YOUNG IN 1990. IN 1991, 2 ADULTS NESTED, BUT NO YOUNG WERE OBSERVED AND NEST WAS ABANDONED 6/27/91.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 512 **Map Index:** 23230 **EO Index:** 7594 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1991-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1991-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-04-26

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.48301° / -121.55065° **Township:** 07N  
**UTM:** Zone-10 N4260403 E626412 **Range:** 04E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 04 **Qtr:** SW  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-49.8(R), 0.2 MILE NORTH OF THE MOUTH OF BABEL SLOUGH, SACRAMENTO.

**Ecological:** NEST TREE IS A TALL COTTONWOOD 200 FEET FROM THE RIVER; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA AND WHEAT.

**General:** DFG SWHA #YO201. 2 ADULTS OBSERVED NESTING. THERE MAY BE SOME DISTURBANCE FROM ACTIVITIES OF "STAN'S YOLO MARINA," LOCATED JUST UPSTREAM.

**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G5 **CDFG Status:**  
**State:** Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 631 **Map Index:** 23882 **EO Index:** 7543 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1993-07-15  
**Origin:** Natural/Native occurrence **Site:** 1993-07-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-08-02

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo, Sacramento

**Lat/Long:** 38.46488° / -121.50493° **Township:** 07N  
**UTM:** Zone-10 N4258455 E630433 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 14 **Qtr:** NE  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-46.70(R), JUST DOWNSTREAM FROM FREEPORT BEND AND 0.65 MILE NORTH OF FREEPORT BRIDGE.

**General:** DFG SWHA #YO. 2 ADULTS AND 2 JUVENILES OBSERVED AT NEST SITE.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 632 **Map Index:** 23881 **EO Index:** 7544 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1993-07-15  
**Origin:** Natural/Native occurrence **Site:** 1993-07-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-08-02

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.47345° / -121.52235° **Township:** 07N  
**UTM:** Zone-10 N4259381 E628898 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 10 **Qtr:** SE  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-48.05(R), UPSTREAM FROM FREEPORT BEND AND 1.25 MILES DOWNSTREAM FROM THE BABEL SLOUGH JUNCTION.

**General:** DFG SWHA #YO. 2 ADULTS OBSERVED NESTING.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 633 **Map Index:** 23880 **EO Index:** 7545 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1993-07-15  
**Origin:** Natural/Native occurrence **Site:** 1993-07-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1993-08-02

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.48878° / -121.55473° **Township:** 07N  
**UTM:** Zone-10 N4261038 E626046 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 04 **Qtr:** NW  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SACRAMENTO RIVER, RM-50.25(R), 0.6 MILE UPSTREAM FROM BABEL SLOUGH JUNCTION, SW OF SACRAMENTO.

**General:** DFG SWHA #YO. 2 ADULTS AND 2 JUVENILES OBSERVED AT NEST SITE.

**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** Federal: None  
 State: Threatened

**NDDB Element Ranks** Global: G5  
 State: S2

**Other Lists** CDFG Status:

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 933      **Map Index:** 45481      **EO Index:** 45481      **Dates Last Seen**

**Occ Rank:** Good      **Element:** 2001-06-02  
**Origin:** Natural/Native occurrence      **Site:** 2001-06-02  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2001-08-07

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.43830° / -121.39070°      **Township:** 07N  
**UTM:** Zone-10 N4255673 E640451      **Range:** 05E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 23      **Qtr:** SE  
**Elevation:** 34 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** NORTH SIDE OF SHELDON ROAD, 0.5 MILE EAST OF HIGHWAY 99, BETWEEN ELK GROVE AND SACRAMENTO  
**Ecological:** NEST TREE IS A EUCALYPTUS; SURROUNDED BY ANNUAL GRASSLAND, HAY PRODUCTION, AND URBAN DEVELOPMENT.  
**Threat:** THREATENED BY ENCROACHING URBAN DEVELOPMENT.  
**General:** 2 ADULTS AND 1 JUVENILE OBSERVED AT THE NEST ON 2 JUN 2001.  
**Owner/Manager:** PVT

**Occurrence No.** 992      **Map Index:** 47315      **EO Index:** 47315      **Dates Last Seen**

**Occ Rank:** Unknown      **Element:** 2000-06-30  
**Origin:** Natural/Native occurrence      **Site:** 2000-06-30  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2002-02-28

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo, Sacramento

**Lat/Long:** 38.37664° / -121.52547°      **Township:** 06N  
**UTM:** Zone-10 N4248634 E628798      **Range:** 04E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 15      **Qtr:** XX  
**Elevation:** 12 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** ALONG THE WEST BANK OF THE SACRAMENTO RIVER, 0.6 MILE NORTH OF HOOD.  
**Ecological:** NEST TREE IS A VALLEY OAK 80+ FT IN HEIGHT; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.  
**General:** 2 ADULTS OBSERVED (1 PERCHED, 1 SOARING) WITH 1 FEATHERED YOUNG ON 30 JUN 2000.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 1001      **Map Index:** 50639      **EO Index:** 50639      **Dates Last Seen**

**Occ Rank:** Fair      **Element:** 2002-04-29  
**Origin:** Natural/Native occurrence      **Site:** 2002-04-29  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2003-03-17

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.44285° / -121.40474°      **Township:** 07N  
**UTM:** Zone-10 N4256157 E639217      **Range:** 05E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 23      **Qtr:** SW  
**Elevation:** 30 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** WEST SIDE OF HIGHWAY 99, 0.4 MILE NNW OF SHELDON ROAD, 2 MILES NW OF ELK GROVE  
**Ecological:** NEST TREE IS A VALLEY OAK; NEST IS LOCATED ON THE SOUTH-FACING PORTION OF THE NEST TREE.  
**Threat:** THREATENED BY HUMAN ACTIVITY FROM NEARBY STORAGE FACILITY AND FREEWAY NOISE/MAINTENANCE.  
**General:** THE PAIR WAS OBSERVED COPULATING ON 18 APR 2002, AND THE FEMALE WAS OBSERVED INCUBATING ON 29 APR 2002.  
**Owner/Manager:** PVT



**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1010 **Map Index:** 50670 **EO Index:** 50670 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 2002-05-01  
**Origin:** Natural/Native occurrence **Site:** 2002-05-01  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-03-20

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.44614° / -121.46353° **Township:** 07N  
**UTM:** Zone-10 N4256435 E634080 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 20 **Qtr:** NW  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST SIDE OF BUFFERLANDS ROAD, 0.6 MILE NORTH OF SIMS ROAD, AT THE SACRAMENTO WASTEWATER TREATMENT PLANT.

**Ecological:** NEST TREE IS AN ISOLATED EUCALYPTUS LOCATED ADJACENT TO HAY FIELDS. WASTEWATER TREATMENT PLANT AND CO-GENERATION POWER PLANT FOUND ADJACENT TO HAY FIELD.

**General:** BUFFERLANDS STAFF (ROGER JONES) REPORTS THAT SWHA NESTED HERE IN PREVIOUS YEARS. 2 ADULTS OBSERVED NESTING ON 1 MAY 2002.

**Owner/Manager:** SAC COUNTY

**Occurrence No.** 1104 **Map Index:** 50993 **EO Index:** 50993 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2005-08-18  
**Origin:** Natural/Native occurrence **Site:** 2005-08-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-12

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.40296° / -121.58340° **Township:** 06N  
**UTM:** Zone-10 N4251476 E623692 **Range:** 04E  
**Area:** 7.6 acres **Mapping Precision:**SPECIFIC **Section:** 06 **Qtr:** XX  
**Elevation:** 1 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** WEST SIDE OF JEFFERSON BOULEVARD, 0.3 MILE SOUTH OF GAFFNEY AVENUE, 7 MILES SW OF SACRAMENTO

**Location Detail:** 2001 NEST TREE WAS A 35' JUNIPER. 2004 NEST TREE WAS A VERY LARGE SYCAMORE IN THE NE CORNER OF THE FARMSTEAD.

**Ecological:** NEST TREE IS A SYCAMORE; SURROUNDED BY ALFALFA IN ALL DIRECTIONS, EXCEPT CULTIVATED FIELDS TO THE SOUTH.

**Threat:** POSSIBLE THREAT FROM NEST TREE PROXIMITY TO A BUSY ROAD.

**General:** 2 ADULTS AND 1 JUVENILE (BANDED) OBSERVED AT THE NEST SITE ON 22 JUN 2001. NEST MONITORED 27 JUL-3 AUG 2004; 4 YOUNG FLEDGED. NEST SITE MONITORED 20 APR-18 AUG 2005; ADULTS PRESENT, BUT NO CHICK DETECTED.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 1105 **Map Index:** 50994 **EO Index:** 50994 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 1999-07-04  
**Origin:** Natural/Native occurrence **Site:** 1999-07-04  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2003-04-16

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.38509° / -121.54127° **Township:** 06N  
**UTM:** Zone-10 N4249550 E627403 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 09 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST BANK OF ELK SLOUGH, ACROSS FROM BOGLE WINERY, 2 MILES SSW OF CLARKSBURG

**Ecological:** NEST TREE IS A COTTONWOOD, LOCATED WITHIN A RIPARIAN CORRIDOR ALONG A LEVEE FACILITY; SURROUNDING FORAGING HABITAT CONSISTS OF BOTH GOOD AND BAD CROP TYPES.

**Threat:** THREATENED BY THE INFLUX OF VINEYARDS.

**General:** 2 ADULTS AND 3 JUVENILES OBSERVED AT THE NEST SITE ON 4 JUL 1999.

**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

----- Status ----- NDDB Element Ranks ----- Other Lists -----  
 Federal: None Global: G5  
 State: Threatened State: S2 CDFG Status:

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
 Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1188 Map Index: 51163 EO Index: 51163 Dates Last Seen -----  
 Occ Rank: Excellent Element: 2002-06-04  
 Origin: Natural/Native occurrence Site: 2002-06-04  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-11-21

Quad Summary: Florin (3812144/496B)

County Summary: Sacramento

Lat/Long: 38.40889° / -121.40953° Township: 07N  
 UTM: Zone-10 N4252381 E638863 Range: 05E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 34 Qtr: NE  
 Elevation: 30 ft Symbol Type: POINT Meridian: M

Location: SOUTH SIDE OF ELK GROVE BOULEVARD, JUST WEST OF WYMARK DRIVE, 2 MILES WEST OF ELK GROVE.  
 Location Detail: 2000 NEST TREE WAS A 30' WILLOW; 2002 NEST TREE WAS A VALLEY OAK.  
 Ecological: NEST TREE WAS A ROADSIDE VALLEY OAK; SURROUNDED BY RESIDENTIAL TO THE NE AND NW, AND GRAZING LAND TO THE SE AND SW.  
 Threat: THREATENED BY PROPOSED DEVELOPMENT.  
 General: ACTIVE SWHA NEST IN 2000. 2 ADULTS OBSERVED NESTING ON 4 JUN 2002.  
 Owner/Manager: PVT

Occurrence No. 1334 Map Index: 56574 EO Index: 56590 Dates Last Seen -----  
 Occ Rank: Excellent Element: 2005-08-09  
 Origin: Natural/Native occurrence Site: 2005-08-09  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-09-12

Quad Summary: Clarksburg (3812145/497A)

County Summary: Yolo

Lat/Long: 38.44004° / -121.58449° Township: 07N  
 UTM: Zone-10 N4255589 E623534 Range: 04E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 19 Qtr: XX  
 Elevation: 5 ft Symbol Type: POINT Meridian: M

Location: WEST SIDE OF JEFFERSON BOULEVARD (HIGHWAY 84), 0.4 MILE SOUTH OF BABEL SLOUGH, 3 MILES NW OF CLARKSBURG  
 Location Detail: 2004 NEST WAS LOCATED AT THE 85% HEIGHT, ON THE NE SIDE, OF A RAGGED COTTONWOOD FOUND 125 METERS FROM THE ROAD. 2005 NEST WAS LOCATED AT THE 75% HEIGHT OF THE SMALL OAK (NORTHMOST TREE OF 3RD CLUMP WEST OF ROAD).  
 Ecological: NEST TREE IS AN OAK; SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH.  
 General: NEST SITE MONITORED 28 MAR-3 AUG 2004; 3 YOUNG FLEDGED. NEST MONITORED 20 APR-9 AUG 2005; 1 FLEDGED.  
 Owner/Manager: PVT

Occurrence No. 1335 Map Index: 56575 EO Index: 56591 Dates Last Seen -----  
 Occ Rank: Excellent Element: 2005-08-18  
 Origin: Natural/Native occurrence Site: 2005-08-18  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-09-12

Quad Summary: Clarksburg (3812145/497A)

County Summary: Yolo

Lat/Long: 38.43324° / -121.58268° Township: 07N  
 UTM: Zone-10 N4254837 E623703 Range: 04E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 30 Qtr: XX  
 Elevation: 5 ft Symbol Type: POINT Meridian: M

Location: EAST SIDE OF JEFFERSON BOULEVARD (HIGHWAY 84), 0.9 MILE SOUTH OF BABEL SLOUGH, 2.5 MILES NW OF CLARKSBURG  
 Location Detail: 2004 NEST WAS VERY DIFFICULT TO SEE, LOCATED IN A COTTONWOOD WITHIN A SHORT, EAST-WEST ROW OF SMALL COTTONWOODS AT A FIELD BOUNDARY, 0.3 MILE NORTH OF WILLOW POINT WEST ROAD.  
 Ecological: NEST TREE IS A COTTONWOOD; SURROUNDED BY ALFALFA TO THE NE AND WEST AND CULTIVATED TO THE SE.  
 General: NEST MONITORED 28 MAR-11 AUG 2004; 3 YOUNG FLEDGED. NEST MONITORED 29 MAR-18 AUG 2005; POSSIBLE FLEDGLING OBSERVED ON 28 JUL 2005.  
 Owner/Manager: PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

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**Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

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**Habitat Associations** -----

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1336 **Map Index:** 56577 **EO Index:** 56593 **----- Dates Last Seen -----**  
**Occ Rank:** Excellent **Element:** 2005-07-13  
**Origin:** Natural/Native occurrence **Site:** 2005-07-13  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-12

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.44602° / -121.58405° **Township:** 07N  
**UTM:** Zone-10 N4256253 E623561 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 19 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST SIDE OF JEFFERSON BOULEVARD (HIGHWAY 84), LESS THAN 0.1 MILE SOUTH OF BABEL SLOUGH, 3.25 MILES NW OF CLARKSBURG  
**Location Detail:** 2004 NEST WAS LOCATED AT THE 80% HEIGHT, ON THE NE SIDE, OF A LARGE VALLEY OAK AT THE SOUTH MARGIN OF AN OPEN FIELD (TREE APPEARS TO PROTRUDE NORTH INTO THE FIELD); NEST WAS SEEN ONLY WITH ONE-TIME PERMISSION TO ENTER THE PROPERTY ON FOOT.

**Ecological:** NEST TREE IS A VALLEY OAK.

**General:** NEST MONITORED 4 MAY-3 AUG 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 6 MAR-13 JUL 2005; NO NEST FOUND, BUT ADULTS PRESENT APR-JUL 2005.

**Owner/Manager:** PVT

**Occurrence No.** 1337 **Map Index:** 56578 **EO Index:** 56594 **----- Dates Last Seen -----**  
**Occ Rank:** Good **Element:** 2005-08-18  
**Origin:** Natural/Native occurrence **Site:** 2005-08-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-14

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.42461° / -121.58282° **Township:** 07N  
**UTM:** Zone-10 N4253879 E623706 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 30 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** EAST SIDE OF JEFFERSON BOULEVARD (HIGHWAY 84), 0.3 MILE SOUTH OF WILLOW POINT ROAD, 2.6 MILES WEST OF CLARKSBURG  
**Location Detail:** 2004 NEST WAS LOCATED AT THE 90% HEIGHT OF AN EAST SHOULDER BLACK WALNUT.

**Ecological:** NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE EAST, VINEYARD TO THE WEST, AND HARVEY LYMAN AG SERVICE TO THE SW.

**General:** NEST SITE MONITORED 15 MAY-3 AUG 2004; 1 YOUNG FLEDGED. NEST MONITORED 29 MAR-18 AUG 2005; ADULTS OBSERVED DEFENDING THE 2004 NEST, BUT NO YOUNG FLEDGED.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 1338 **Map Index:** 56579 **EO Index:** 56595 **----- Dates Last Seen -----**  
**Occ Rank:** Excellent **Element:** 2005-07-28  
**Origin:** Natural/Native occurrence **Site:** 2005-07-28  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-14

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.41465° / -121.58857° **Township:** 07N  
**UTM:** Zone-10 N4252766 E623221 **Range:** 03E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 36 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** NORTH SIDE OF CLARKSBURG ROAD, 0.3 MILE WEST OF JEFFERSON BOULEVARD, 3 MILES WEST OF CLARKSBURG

**Location Detail:** 2004-2005 NEST WAS LOCATED AT THE 80% HEIGHT OF THE TALLEST WILLOW ON THE NORTH SIDE OF A DITCH ALONG THE NORTH SIDE OF THE ROAD.

**Ecological:** NEST TREE IS A WILLOW; SURROUNDED BY ALFALFA TO THE NE, RUDERAL TO THE NW, AND SUDAN GRASS TO THE SOUTH.

**General:** NEST SITE MONITORED 6 JUN-27 JUL 2004; 3 YOUNG FLEDGED. NEST MONITORED 12 FEB-28 JUL 2005; 1 YOUNG FLEDGED.

**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G5 **CDFG Status:**  
**State:** Threatened **State:** S2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1339 **Map Index:** 56581 **EO Index:** 56597 **Dates Last Seen**  
**Occ Rank:** Excellent **Element:** 2005-08-18  
**Origin:** Natural/Native occurrence **Site:** 2005-08-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-14

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.42895° / -121.57309° **Township:** 07N  
**UTM:** Zone-10 N4254373 E624548 **Range:** 04E  
**Area:** 9.9 acres **Mapping Precision:**SPECIFIC **Section:** 29 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** NORTH SIDE OF WILLOW POINT ROAD, 0.5 MILE EAST OF JEFFERSON BOULEVARD, 2.25 MILES WNW OF CLARKSBURG  
**Location Detail:** 2004 NEST WAS LOCATED ON THE SOUTH SIDE OF THE ROAD AT THE 90% HEIGHT OF A SYCAMORE IN A BARE DIRT AREA USED FOR STORAGE OF BALES AND EQUIPMENT. 2005 NEST LOCATED AT THE 95% HEIGHT OF A TALL ROADSIDE PINE, ON THE NORTH SHOULDER.  
**Ecological:** NEST TREE IS A SYCAMORE; SURROUNDED BY ALFALFA TO THE NORTH AND SW AND TOMATOES TO THE SE.  
**General:** NEST MONITORED 10 JUL-3 AUG 2004; 2 CHICKS OBSERVED, BUT ONLY 1 YOUNG FLEDGED. NEST MONITORED 6 MAR-18 AUG 2005; ACTIVE, WITH NEST-BUILDING ON 5 JUN 2005, BUT NO CHICKS DETECTED.

**Owner/Manager:** PVT

**Occurrence No.** 1340 **Map Index:** 56585 **EO Index:** 56601 **Dates Last Seen**  
**Occ Rank:** Good **Element:** 2004-08-03  
**Origin:** Natural/Native occurrence **Site:** 2005-07-28  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-14

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.42554° / -121.54396° **Township:** 07N  
**UTM:** Zone-10 N4254036 E627097 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 28 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH SIDE OF WILLOW POINT ROAD, 0.4 MILE WEST OF WILLOW AVENUE, 0.7 MILE NW OF CLARKSBURG  
**Location Detail:** 2004 NEST WAS LOCATED AT THE 90% HEIGHT OF A MULTI-TRUNKED BLUE GUM EUCALYPTUS, AT THE SW CORNER OF THE FARMSTEAD AT 52105 WILLOW POINT ROAD.  
**Ecological:** NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CULTIVATED LAND.  
**General:** NEST SITE MONITORED 27 JUL-3 AUG 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 20 APR-28 JUL 2005; UNOCCUPIED IN 2005.

**Owner/Manager:** PVT

**Occurrence No.** 1421 **Map Index:** 61126 **EO Index:** 61162 **Dates Last Seen**  
**Occ Rank:** Good **Element:** 2004-05-18  
**Origin:** Natural/Native occurrence **Site:** 2004-05-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-05-04

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

**Lat/Long:** 38.44021° / -121.46391° **Township:** 07N  
**UTM:** Zone-10 N4255776 E634057 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 20 **Qtr:** SE  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST SIDE OF BUFFERLANDS ROAD, 0.2 MILE NORTH OF SIMS ROAD, SACRAMENTO WASTE WATER TREATMENT PLANT BUFFERLANDS.  
**Ecological:** NEST TREE IS A LARGE EUCALYPTUS; SURROUNDED BY DISTURBED ANNUAL GRASSLAND.  
**General:** 2 DARK-MORPH ADULTS SUCCESSFULLY FLEDGED 2 YOUNG IN 2004.

**Owner/Manager:** SAC COUNTY

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1451 **Map Index:** 62340 **EO Index:** 62377 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2005-08-09  
**Origin:** Natural/Native occurrence **Site:** 2005-08-09  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-08-18

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.41476° / -121.59765° **Township:** 07N  
**UTM:** Zone-10 N4252766 E622427 **Range:** 03E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 36 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** NORTH SHOULDER OF CLARKSBURG ROAD, 0.8 MILE WEST OF JEFFERSON BOULEVARD, 3.5 MILES WEST OF CLARKSBURG  
**Location Detail:** NEST WAS LOCATED AT THE 90% HEIGHT OF THE FIRST NORTH-SHOULDER TREE EAST OF THE DIRT ROAD LEADING TO THE FIELDS.  
**Ecological:** NEST TREE IS AN OAK WITHIN A LINE OF TREES ALONG THE NORTH SHOULDER; SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH.  
**General:** NEST MONITORED 10 APR-9 AUG 2005; 2 FLEDGED.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 1461 **Map Index:** 62361 **EO Index:** 62398 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 2005-07-28  
**Origin:** Natural/Native occurrence **Site:** 2005-07-28  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-08-23

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.39306° / -121.60610° **Township:** 06N  
**UTM:** Zone-10 N4250348 E621727 **Range:** 03E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 02 **Qtr:** XX  
**Elevation:** 5 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH SHOULDER OF CENTRAL AVENUE, 0.3 MILE EAST OF Z LINE ROAD, 4.5 MILES WSW OF CLARKSBURG  
**Location Detail:** NEST LOCATED AT THE 80% HEIGHT, SOUTH OF CENTER, OF THE EASTMOST SHOULDER TREE.  
**Ecological:** NEST TREE IS A BLACK WALNUT.  
**General:** NEST MONITORED 10 APR-28 JUL 2005; ADULTS OBSERVED NEST-BUILDING ON 10 APR, WHITEWASH AND PELLETS BENEATH TREE ON 12 JUN, AND ADULTS PRESENT, BUT NO CHICK EVER DETECTED.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 1462 **Map Index:** 62366 **EO Index:** 62403 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2005-07-13  
**Origin:** Natural/Native occurrence **Site:** 2005-07-13  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-08-23

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.42814° / -121.55777° **Township:** 07N  
**UTM:** Zone-10 N4254304 E625886 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 29 **Qtr:** XX  
**Elevation:** 3 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH SIDE OF WILLOW POINT ROAD, 1.3 MILES EAST OF JEFFERSON BOULEVARD, 1.6 MILES WNW OF CLARKSBURG  
**Location Detail:** NEST LOCATED AT THE 90% HEIGHT, JUST SOUTH OF THE TREES AROUND THE FARMSTEAD HOUSE.  
**Ecological:** NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE SOUTH AND CULTIVATED LAND TO THE NORTH.  
**General:** NESTING STRONGLY SUSPECTED IN 2004, BUT NEVER CONFIRMED. NEST MONITORED 20 APR-13 JUL 2005; 2 FLEDGED.  
**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status:
State: Threatened	State: S2	

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

<b>Occurrence No.</b> 1463	<b>Map Index:</b> 62368	<b>EO Index:</b> 62405	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2005-07-13
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-07-13
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-08-23

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

<b>Lat/Long:</b> 38.40667° / -121.55577°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4251925 E626099	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 33
<b>Elevation:</b> 3 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** WEST SIDE OF TULE ROAD, 0.5 MILE SOUTH OF CLARKSBURG ROAD, 1.7 MILES SW OF CLARKSBURG  
**Location Detail:** NEST LOCATED AT THE 75% HEIGHT OF THE TALLEST COTTONWOOD IN A NORTH-SOUTH ROW SOUTH OF THE ROAD.  
**Ecological:** NEST TREE IS A COTTONWOOD; SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH AND VINEYARDS TO THE EAST.  
**General:** NEST MONITORED 7 MAY-13 JUL 2005; 1 DOWNY CHICK OBSERVED ON 12 JUN 2005, BUT IT WAS APPARENTLY PREDATED (CARCAS FOUND JUST SOUTH OF NEST TREE).  
**Owner/Manager:** PVT

<b>Occurrence No.</b> 1464	<b>Map Index:</b> 62369	<b>EO Index:</b> 62406	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2005-07-28
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-07-28
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-08-23

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

<b>Lat/Long:</b> 38.39597° / -121.56761°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4250722 E625082	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 05
<b>Elevation:</b> 1 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NORTH SIDE OF CENTRAL AVENUE, JUST EAST OF MAIN SLOUGH, 2.6 MILES SW OF CLARKSBURG  
**Location Detail:** NEST LOCATED OVER THE NORTH ROAD SHOULDER, IN THE FIRST BLACK WALNUT EAST OF THE SLOUGH.  
**Ecological:** NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE SOUTH AND CULTIVATED LAND TO THE NORTH.  
**General:** NEST MONITORED 29 MAY-28 JUL 2005; 1 FLEDGED.  
**Owner/Manager:** PVT

<b>Occurrence No.</b> 1475	<b>Map Index:</b> 62513	<b>EO Index:</b> 62550	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2005-08-18
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-08-18
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-09-08

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

<b>Lat/Long:</b> 38.47337° / -121.56134°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4259318 E625496	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 08
<b>Elevation:</b> 13 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** ALONG THE EAST SIDE OF BABEL SLOUGH, 0.4 MILE SW OF THE RAILROAD TRACK CROSSING, SW OF SACRAMENTO  
**Ecological:** NEST TREE UNKNOWN, BUT SYCAMORE SUSPECTED, IN A THICKET OF SMALLER TREES BETWEEN THE ROAD AND THE SLOUGH; SURROUNDED BY CULTIVATED LAND BEYOND BABEL SLOUGH.  
**General:** NEST SITE MONITORED 13 JUL-18 AUG 2005; ALTHOUGH NEST WAS NOT FOUND, A RECENTLY-FLEDGED JUVENILE WAS FOUND IN THIS AREA.  
**Owner/Manager:** PVT

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1476 **Map Index:** 62514 **EO Index:** 62551 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2005-08-18  
**Origin:** Natural/Native occurrence **Site:** 2005-08-18  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-08

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.47979° / -121.55121° **Township:** 07N  
**UTM:** Zone-10 N4260045 E626369 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 04 **Qtr:** NW  
**Elevation:** 13 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ALONG THE SOUTH SIDE OF BABEL SLOUGH, ~0.1 MILE WEST OF SOUTH RIVER ROAD, SW OF SACRAMENTO

**Ecological:** NEST TREE UNKNOWN, BUT THE LARGEST SYCAMORE WAS THE CENTER OF ACTIVITY; SURROUNDED BY ALFALFA TO THE SOUTH AND CULTIVATED LAND NORTH OF BABEL SLOUGH/ROAD STRIP.

**General:** NEST SITE MONITORED 13 JUL-18 AUG 2005; ALTHOUGH NEST WAS NOT FOUND, A RECENTLY-FLEDGED JUVENILE WAS FOUND IN THIS AREA.

**Owner/Manager:** PVT

**Occurrence No.** 1478 **Map Index:** 62531 **EO Index:** 62568 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 2005-05-13  
**Origin:** Natural/Native occurrence **Site:** 2005-07-13  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-12

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.46876° / -121.56345° **Township:** 07N  
**UTM:** Zone-10 N4258804 E625321 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 08 **Qtr:** SE  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ALONG THE EAST SIDE OF BABEL SLOUGH, 0.8 MILE SW OF THE RAILROAD TRACK, SW OF SACRAMENTO

**Location Detail:** SITE IS MAPPED USING THE CENTER OF SWHA ACTIVITY.

**Ecological:** NEST TREE IS UNKNOWN; SITE IS SURROUNDED BY VINEYARD TO THE NORTH AND CULTIVATED LAND SOUTH OF BABEL SLOUGH/ROAD STRIP.

**General:** NEST SITE MONITORED 14 JUL-18 AUG 2005; NO NEST FOUND, BUT 2 YOUNG FLEDGED.

**Owner/Manager:** PVT

**Occurrence No.** 1479 **Map Index:** 62533 **EO Index:** 62570 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 2005-08-09  
**Origin:** Natural/Native occurrence **Site:** 2005-08-09  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-09-12

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.46376° / -121.56928° **Township:** 07N  
**UTM:** Zone-10 N4258242 E624820 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 17 **Qtr:** NW  
**Elevation:** 10 ft **Symbol Type:**POINT **Meridian:** M

**Location:** WEST SIDE OF BABEL SLOUGH, 1.1 MILES NE OF PUMPHOUSE ROAD, SW OF SACRAMENTO

**Ecological:** NEST TREE IS UNKNOWN; SITE IS SURROUNDED BY VINEYARD TO THE EAST AND WEST OF BABEL SLOUGH/ROAD STRIP.

**General:** SHWA NEST WAS LIKELY PRESENT IN 2004, BUT NO NEST OR CHICK WERE FOUND. NEST SITE MONITORED 10 APR-9 AUG 2005; NO NEST FOUND, BUT 1 YOUNG FLEDGED.

**Owner/Manager:** UNKNOWN

**Buteo swainsoni**

Swainson's hawk

Element Code: ABNKC19070

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G5 **CDFG Status:**  
 State: Threatened **State:** S2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH  
**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

**Occurrence No.** 1545 **Map Index:** 62991 **EO Index:** 63064 **Dates Last Seen**  
**Occ Rank:** Unknown **Element:** 2004-04-28  
**Origin:** Natural/Native occurrence **Site:** 2004-04-28  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-10-31

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.49634° / -121.62080° **Township:** 08N  
**UTM:** Zone-10 N4261788 E620271 **Range:** 03E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 35 **Qtr:** XX  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** YOLO BYPASS, 1.75 MILES SE OF THE INTERSECTION OF ROAD 34A & ROAD 106A, 5 MILES SE OF DAVIS

**Ecological:** NEST TREE WAS A COTTONWOOD; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.

**General:** ACTIVE NEST AND ADULTS MATING ON THE GROUND OBSERVED ON 28 APR 2004

**Owner/Manager:** UNKNOWN

**Occurrence No.** 1642 **Map Index:** 64998 **EO Index:** 65077 **Dates Last Seen**  
**Occ Rank:** Excellent **Element:** 2006-06-15  
**Origin:** Natural/Native occurrence **Site:** 2006-06-15  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2006-07-05

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.47738° / -121.55409° **Township:** 07N  
**UTM:** Zone-10 N4259774 E626122 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 09 **Qtr:** NW  
**Elevation:** 17 ft **Symbol Type:**POINT **Meridian:** M

**Location:** EAST SIDE OF BABEL SLOUGH, 0.3 MILE SW OF SOUTH RIVER ROAD, SW OF THE GREENHAVEN AREA OF SACRAMENTO.

**Location Detail:**NEST TREE WAS LOCATED FAIRLY CLOSE TO THE SACRAMENTO RIVER.

**Ecological:** NEST TREE WAS A VALLEY OAK ADJACENT TO BABEL SLOUGH, LOCATED WITHIN RIPARIAN VEGETATION DOMINATED BY VALLEY OAK, ELDERBERRY, AND BLACKBERRY. ALFALFA FIELDS ARE FOUND ADJACENT TO THE NEST TREE.

**Threat:** THREATENED BY POTENTIAL FUTURE HOUSING DEVELOPMENT.

**General:** 2 ADULTS OBSERVED NESTING ON 15 JUN 2006.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 1643 **Map Index:** 64999 **EO Index:** 65078 **Dates Last Seen**  
**Occ Rank:** Excellent **Element:** 2006-06-23  
**Origin:** Natural/Native occurrence **Site:** 2006-06-23  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2006-07-05

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Yolo

**Lat/Long:** 38.46436° / -121.51629° **Township:** 07N  
**UTM:** Zone-10 N4258381 E629442 **Range:** 04E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 14 **Qtr:** NW  
**Elevation:** 7 ft **Symbol Type:**POINT **Meridian:** M

**Location:** 0.7 MILE SW OF FREEPORT BEND ON THE SACRAMENTO RIVER, 0.75 MILE WEST OF FREEPORT.

**Location Detail:**NEST TREE WAS LOCATED FAIRLY CLOSE TO THE SACRAMENTO RIVER.

**Ecological:** NEST TREE WAS A LARGE WILLOW ADJACENT TO AN AGRICULTURAL DITCH, LOCATED WITHIN RIPARIAN VEGETATION DOMINATED BY WILLOW, BLACKBERRY, AND REEDS. ALFALFA FIELDS AND VINEYARDS ARE FOUND ADJACENT TO THE NEST TREE.

**Threat:** THREATENED BY POTENTIAL FUTURE HOUSING DEVELOPMENT.

**General:** 2 ADULTS OBSERVED NEST-BUILDING ON 23 JUN 2006.

**Owner/Manager:** UNKNOWN



**Coccyzus americanus occidentalis**

western yellow-billed cuckoo

Element Code: ABNRB02022

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: Candidate

Global: G5T2

CDFG Status:

State: Endangered

State: S1

**Habitat Associations**

**General:** RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.

**Micro:** NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, W/ LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

**Occurrence No.** 95

**Map Index:** 11194

**EO Index:** 25585

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1896-06-05

**Origin:** Natural/Native occurrence

**Site:** 1896-06-05

**Presence:** Extirpated

**Trend:** Unknown

**Record Last Updated:** 1989-08-10

**Quad Summary:** Clarksburg (3812145/497A)

**County Summary:** Sacramento, Yolo

**Lat/Long:** 38.41796° / -121.53385°

**Township:** 07N

**UTM:** Zone-10 N4253208 E627993

**Range:** 04E

**Radius:** 1 mile

**Mapping Precision:**NON-SPECIFIC

**Section:** 34

**Qtr:** NW

**Elevation:** 5 ft

**Symbol Type:**POINT

**Meridian:** M

**Location:** CLARKSBURG.

**General:** MVZ SPECIMEN FROM THIS LOCALITY INDICATES THAT CUCKOOS ONCE OCCURRED IN THE SACRAMENTO-SAN JOAQUIN DELTA.

**Owner/Manager:** PVT

**Downingia pusilla**

dwarf downingia

Element Code: PDCAM060C0

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3	CNPS List: 2.2
State: None	State: S3.1	

**Habitat Associations**

**General:** VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

**Micro:** VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

<b>Occurrence No.</b> 56	<b>Map Index:</b> 26055	<b>EO Index:</b> 5239	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1990-04-16
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1990-04-16
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-11-14

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.40892° / -121.49024°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4252266 E631816	<b>Range:</b> 04E
<b>Area:</b> 9.7 acres	<b>Section:</b> 36
<b>Elevation:</b> 10 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** WEST OF I-5 AT THE ELK GROVE BLVD INTERCHANGE, ELK GROVE.

**Location Detail:** LOCATED AT TWO SITES IN THIS VICINITY; ONE IS ALONG EITHER SIDE OF CULVERT UNDER ELLIOT RANCH ROAD AND THE SECOND IS ABOUT 0.1 MILE WEST OF THE CULVERT.

**Ecological:** VERNAL POOL SURROUNDED BY ANNUAL GRASSLAND. ASSOCIATED WITH ALLOCARYA UNDULATA, A. STIPITATA MICRANTHA, PSILOCARPHUS BREVISSIMUS, ALOPECURUS SACCATUS, ERYNGIUM ARISTULATUM, AND LOLIUM MULTIFLORUM. SOILS ARE SAN JOAQUIN

**Threat:** PAST ROAD CONSTRUCTION ACTIVITIES HAVE ALTERED SITE. INTERCHANGE IS TO AVOID THE SITE BUT MAY INFLUENCE HYDROLOGY.

**General:** HUNDREDS TO THOUSANDS OF PLANTS OBSERVED IN 1990. SITE INCLUDED WITHIN PROPOSED STONE LAKE WILDLIFE REFUGE AND IS PRESENTLY MANAGED BY SACRAMENTO COUNTY DEPARTMENT OF PARKS AND RECREATION.

**Owner/Manager:** SAC COUNTY-PARKS & REC

**Emys (=Clemmys) marmorata marmorata**

northwestern pond turtle

Element Code: ARAAD02031

Status: \_\_\_\_\_ NDDB Element Ranks: \_\_\_\_\_ Other Lists: \_\_\_\_\_  
 Federal: None Global: G3G4T3 CDFG Status: SC  
 State: None State: S3

Habitat Associations

General: ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.  
 Micro: REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.

Occurrence No. 48 Map Index: 32826 EO Index: 977 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Good Element: 2003-09-23  
 Origin: Natural/Native occurrence Site: 2003-09-23  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-02-24

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.39316° / -121.49886° Township: 06N  
 UTM: Zone-10 N4250506 E631092 Range: 04E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 12 Qtr: XX  
 Elevation: 10 ft Symbol Type:POLYGON Meridian: M

Location: STONE LAKE PRESERVE, APPROXIMATELY 1.5 TO 2.5 MILES NORTHEAST OF HOOD.  
 Ecological: HABITAT CONSISTS OF A SEMI-NATURAL LAKE BORDERED BY SOME BULRUSHES, GRAZED GRASSLAND, AND RIPARIAN VEGETATION.  
 Threat: THREATENED BY POTENTIAL POLLUTANTS FROM UPSTREAM CATTLE OPERATION AND THE PRESENCE OF BULLFROGS.  
 General: COLLECTED BY DFG, DATE AND NUMBER OF SPECIMENS UNKNOWN (PRIOR TO 1988). 10+ ADULTS OBSERVED (1 ADULT MALE CAPTURED) ON 21 SEP 2003; 10+ ADULTS OBSERVED (1 ADULT MALE CAPTURED) ON 23 SEP 2003.

Owner/Manager: USFWS

Occurrence No. 49 Map Index: 11275 EO Index: 623 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Unknown Element: XXXX-XX-XX  
 Origin: Natural/Native occurrence Site: XXXX-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1996-03-07

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.43234° / -121.49818° Township: 07N  
 UTM: Zone-10 N4254853 E631081 Range: 04E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 25 Qtr: XX  
 Elevation: 10 ft Symbol Type:POLYGON Meridian: M

Location: BEACH LAKE PRESERVE; APPROX. 1.5 MILES SOUTH OF FREEPORT.  
 General: COLLECTED BY DFG, DATE AND NUMBER OF SPECIMENS UNKNOWN.

Owner/Manager: SAC COUNTY, PVT

Occurrence No. 50 Map Index: 32827 EO Index: 4662 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Unknown Element: XXXX-XX-XX  
 Origin: Natural/Native occurrence Site: XXXX-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1996-01-18

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.39069° / -121.45214° Township: 06N  
 UTM: Zone-10 N4250298 E635177 Range: 05E  
 Area: 5.2 acres Mapping PrecisionSPECIFIC Section: 08 Qtr: NE  
 Elevation: 20 ft Symbol Type:POLYGON Meridian: M

Location: NORTH OF FRANKLIN; DITCH EAST OF FRANKLIN BLVD X WESTERN PACIFIC RR.  
 General: COLLECTED BY DFG, DATE AND NUMBER OF SPECIMENS UNKNOWN.

Owner/Manager: UNKNOWN

Emys (=Clemmys) marmorata marmorata

northwestern pond turtle

Element Code: ARAAD02031

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3G4T3	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.  
**Micro:** REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.

<b>Occurrence No.</b> 233	<b>Map Index:</b> 60252	<b>EO Index:</b> 60288	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2004-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2004-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-02-28

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.44693° / -121.45081°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4256541 E635188	<b>Range:</b> 05E
<b>Radius:</b> 2/5 mile	<b>Section:</b> 20
<b>Elevation:</b> 15 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NE
<b>Symbol Type:</b> POINT	

**Location:** SACRAMENTO BUFFERLANDS, ENCOMPASSING LOST LAKE, LAGUNA CREEK, AND FISH HEAD LAKE, SOUTH OF SACRAMENTO.  
**Ecological:** HABITAT CONSISTS OF MOSTLY MAN-MADE WATER BODIES WITH VARYING HABITAT QUALITY. VEGETATED BY A COMBINATION OF AQUATIC, EMERGENT, AND RIPARIAN VEGETATION; SURROUNDED BY GRASSLANDS.  
**Threat:** THREATENED BY INTRODUCED PREDATORS/COMPETITORS (BULLFROGS, BASS, AND RED-EARED SLIDERS).  
**General:** 6 MALES AND 4 FEMALES WERE CAPTURED THROUGHOUT THE 2004 SEASON; ALL WERE VERY OLD ADULTS AND INCLUDED ONE GRAVID FEMALE.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST

Juglans hindsii

Northern California black walnut

Element Code: PDJUG02040

Status  
 Federal: None  
 State: None

NDDB Element Ranks  
 Global: G1  
 State: S1.1

Other Lists  
 CNPS List: 1B.1

Habitat Associations

General: RIPARIAN FOREST, RIPARIAN WOODLAND. FEW EXTANT NATIVE STANDS REMAIN; WIDELY NATURALIZED.  
 Micro: DEEP ALLUVIAL SOIL ASSOCIATED WITH A CREEK OR STREAM. 0-395M.

Occurrence No. 3

Map Index: 17206

EO Index: 9845

Dates Last Seen

Occ Rank: None  
 Origin: Natural/Native occurrence  
 Presence: Extirpated  
 Trend: Unknown

Element: XXXX-XX-XX  
 Site: 2002-10-XX

Record Last Updated: 2002-11-21

Quad Summary: Rio Vista (3812126/480B), Isleton (3812125/480A), Courtland (3812135/497D), Florin (3812144/496B), Clarksburg (3812145/497A)

County Summary: Solano, Sacramento, Yolo

Lat/Long: 38.30672° / -121.57422°  
 UTM: Zone-10 N4240809 E624659  
 Area:  
 Elevation: 0 ft

Mapping Precision: NON-SPECIFIC  
 Symbol Type: POLYGON

Township: 05N  
 Range: 04E  
 Section: 5  
 Meridian: M  
 Qtr: XX

Location: ALONG THE SACRAMENTO RIVER, BETWEEN FREEPORT AND RIO VISTA, MOSTLY AT WALNUT GROVE.

Location Detail: TREES WERE ALONG BOTH SIDES OF RIVER.

Ecological: ON HIGH SPOTS ALONG THE BANK.

Threat: TREES NO LONGER REMAIN AT THIS SITE, THEY WERE CUT PRIOR TO 1949 ACCORDING TO SMITH, 1949.

General: SITE EXTIRPATED ACCORDING TO CALLIZO (2002).

Owner/Manager: UNKNOWN

Legenere limosa

legenere

Element Code: PDCAM0C010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G2	CNPS List: 1B.1
State: None	State: S2.2	

**Habitat Associations**

**General:** VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.  
**Micro:** IN BEDS OF VERNAL POOLS. 1-880M.

<b>Occurrence No.</b> 31	<b>Map Index:</b> 26234	<b>EO Index:</b> 14087	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1993-05-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-05-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-10-03

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.44134° / -121.38825°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4256015 E640659	<b>Range:</b> 05E
<b>Radius:</b> 80 meters	<b>Section:</b> 24
<b>Elevation:</b> 35 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** NORTH OF SHELDON ROAD AND 0.7 MILE EAST OF HIGHWAY 99, ELK GROVE.  
**Location Detail:** MAPPED ABOUT 1/4 MILE NORTH OF SHELDON ROAD WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 24.  
**Ecological:** DEEP NORTHERN CLAYPAN VERNAL POOLS ON GALT CLAY SOILS. POOLS DOMINATED BY ERYNGIUM CASTRENSE, DOWNINGIA BICORNUTA, AND LASTHENIA GLABERRIMA. OTHER ASSOCIATES INCLUDE ELEOCHARIS MACROSTACHYS AND PLAGIOBOTHRYUS STIPITATUS  
**Threat:** PROPOSED HOUSING DEVELOPMENT, POOLS SCHEDULED TO BE FILLED.  
**General:** MORE THAN 2500 PLANTS OBSERVED IN 1993. POOLS IN FAIRLY GOOD SHAPE ALTHOUGH ADJACENT LAND HAD BEEN FARMED. POPULATION MAY BE SALVAGED IN CONJUNCTION WITH THE PROJECT VERNAL POOL MITIGATION PLAN.

**Owner/Manager:** PVT

<b>Occurrence No.</b> 40	<b>Map Index:</b> 29100	<b>EO Index:</b> 30941	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1995-05-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-05-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-04-11

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.39546° / -121.47052°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4250801 E633563	<b>Range:</b> 05E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 06
<b>Elevation:</b> 13 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** ABOUT 1.5 MI E OF STONE LAKE, 1.4 MI SW OF JCT FRANKLIN BLVD & ELK GROVE BLVD.  
**Ecological:** VERNAL POOLS WITH DOWNINGIA ORNATISSIMA, NAVARRETIA LEUCOCEPHALA, CASTILLEJA EXSERTA, AND LEPIDIUM LATIPES.  
**Threat:** LAND USED FOR CATTLE PRODUCTION; GRAZING THREATENS.  
**General:** AT LEAST 50 PLANTS IN 1995.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 41	<b>Map Index:</b> 29099	<b>EO Index:</b> 30940	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 1995-05-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-05-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1997-03-27

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.43901° / -121.45128°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4255662 E635162	<b>Range:</b> 05E
<b>Area:</b>	<b>Section:</b> 20
<b>Elevation:</b> 18 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POLYGON	

**Location:** ALONG N SIDE OF SIMS ROAD, 0.15-0.4 MI E OF JCT WITH FRANKLIN BLVD.  
**Location Detail:** 300 FT N OF SIMS ROAD.  
**Ecological:** VERNAL POOL COMPLEX WITH LASTHENIA GLABERRIMA, RANUNCULUS BONARIENSIS, PLAGIOBOTHRYUS STIPITATUS, DOWNINGIA ORNATISSIMA, D. BICORNUTA AND LEPIDIUM LATIPES.  
**Threat:** TREE PLANTING/RESTORATION ADJACENT TO VERNAL POOLS.  
**General:** 300 PLANTS IN 1995. SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT LAND.  
**Owner/Manager:** SAC COUNTY

**Lepidurus packardii**

vernal pool tadpole shrimp

Element Code: ICBRA10010

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: Endangered **Global:** G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.  
**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

**Occurrence No.** 32 **Map Index:** 24533 **EO Index:** 1787 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Poor **Element:** 1993-02-23  
**Origin:** Natural/Native occurrence **Site:** 1993-02-23  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-20

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.44883° / -121.45925° **Township:** 07N  
**UTM:** Zone-10 N4256739 E634448 **Range:** 05E  
**Area:** 2.4 acres **Mapping Precision:**SPECIFIC **Section:** 20 **Qtr:** NW  
**Elevation:** 15 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** E OF SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT; ON WEST SIDE OF WP RR TRACKS; 1.2 KM N OF RR CROSSING ON SIMS ROAD  
**Ecological:** HABITAT CONSISTS OF WATER FILLED DEPRESSIONS WITHIN RR ROW; SLIGHTLY TURBID WATER; DOMINANT PLANTS: JUNCUS BUFONIUS, PLAGIOBOTHRYUS STIPITATUS VAR. MICRANTHUS, GRATIOLA EBRACTEATA, LYTHRUM HYSSOPIFOLIA.  
**Threat:** VEHICLE ENCROACHMENT DURING RAILROAD MAINTENANCE AND OTHER FACILITY ACTIVITIES.  
**General:** >100 ADULTS OBSERVED BREEDING AND FORAGING; 1 COLLECTED FOR PERSONAL COLLECTION; BRANCHINECTA LYNCHI HAS BEEN OBSERVED AT THIS SITE IN PAST. 4/2/1992-KOFORD OBSERVED TADPOLE SHRIMP AND LINDERIELLA AT SITE.

**Owner/Manager:** PVT-WESTERN PACIFIC RR

**Occurrence No.** 68 **Map Index:** 34794 **EO Index:** 12533 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-19

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.49582° / -121.47084° **Township:** 08N  
**UTM:** Zone-10 N4261937 E633350 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 31 **Qtr:** SE  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** CORNER OF FLORIN ROAD AND UNION PACIFIC (WESTERN PACIFIC) RR, WEST OF HWY 99.  
**General:** TADPOLE SHRIMP OBSERVED BY KOFORD DURING SURVEY IN SPRING OF 1992; LINDERIELLA ALSO PRESENT.

**Owner/Manager:** PVT-UNION PACIFIC RR

**Occurrence No.** 69 **Map Index:** 34795 **EO Index:** 12473 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-19

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.49588° / -121.39663° **Township:** 08N  
**UTM:** Zone-10 N4262054 E639822 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 35 **Qtr:** SE  
**Elevation:** 35 ft **Symbol Type:**POINT **Meridian:** M

**Location:** CORNER OF FLORIN ROAD AND SOUTHERN PACIFIC TRACTION RR, IN FLORIN.  
**Ecological:** RAILROAD DITCH.  
**General:** TADPOLE SHRIMP OBSERVED BY KOFORD DURING SURVEY IN SPRING OF 1992.

**Owner/Manager:** PVT-SPRR

**Lepidurus packardi**

vernal pool tadpole shrimp

Element Code: ICBRA10010

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: Endangered **Global:** G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.  
**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

**Occurrence No.** 70 **Map Index:** 34796 **EO Index:** 12535 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-20

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.48145° / -121.46642° **Township:** 07N  
**UTM:** Zone-10 N4260349 E633762 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 06 **Qtr:** SE  
**Elevation:** 21 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ALONG UNION PACIFIC RR AND MEADOWVIEW ROAD, WEST OF HWY 99.  
**Ecological:** TURBID POOL.  
**General:** KOFORD OBSERVED TADPOLE SHRIMP DURING SURVEY IN SPRING OF 1992.  
**Owner/Manager:** PVT-UNION PACIFIC RR

**Occurrence No.** 76 **Map Index:** 34812 **EO Index:** 29269 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2003-02-17  
**Origin:** Natural/Native occurrence **Site:** 2003-02-17  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2004-11-18

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.39538° / -121.46627° **Township:** 06N  
**UTM:** Zone-10 N4250798 E633934 **Range:** 05E  
**Area:** 570.1 acres **Mapping Precision:**SPECIFIC **Section:** 6 **Qtr:** XX  
**Elevation:** 15 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** 2.1 KM NNW OF FRANKLIN; WEST OF WESTERN PACIFIC RR, EAST OF I-5 AND SOUTH OF ELK GROVE BLVD.  
**Location Detail:** ELLIOTT RANCH & ELK GROVE BLVD EXTENSION/I-5 INTERCHANGE MITIGATION SITES. 1995: 23 WETLANDS SAMPLED. 1996: 74 WETLANDS SAMPLED. 1997: 52 WETLANDS SAMPLED. LINDERIELLA OCCIDENTALIS &/OR MIDVALLEY FAIRY SHRIMP (BRANCHINECTA SP) ALSO OBS.  
**Ecological:** NATURAL AND CONSTRUCTED HARDPAN VERNAL POOLS IN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.  
**General:** 3 OBS 1993. 1995: OBS 4 POOLS (VP-131,215,HV63& PG2); 3 DEP. IN CAS. 1996: 50+ OBS IN 26 POOLS (POOL #VP165 WITH <50). 1997: OBS IN 6 POOLS (SW-206,209,210,240,241,243,244,245) (VP-210,215,220,221,222,224,242,245). 2004 SEEN IN 6 POOLS.  
**Owner/Manager:** PVT-GRUPE DEVELOPMENT CO

**Occurrence No.** 87 **Map Index:** 33873 **EO Index:** 30427 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 2002-02-01  
**Origin:** Natural/Native occurrence **Site:** 2002-02-01  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2006-03-27

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43446° / -121.45406° **Township:** 07N  
**UTM:** Zone-10 N4255153 E634928 **Range:** 05E  
**Area:** **Mapping Precision:**NON-SPECIFIC **Section:** 29 **Qtr:** XX  
**Elevation:** 20 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** SOUTH OF UNION HOUSE CREEK (= BEACON CREEK ON MAP) AND NORTH OF ELK GROVE BLVD. SOUTH OF SACRAMENTO  
**Location Detail:** VERNAL POOLS & ROADSIDE DITCHES SOUTH OF SIMS ROAD LOCATED SOMEWHERE IN SECTIONS 29 & 32. NORTH OF DWIGHT ROAD, POOLS LOCATED BETWEEN FRANKLIN RD. & RR TRACKS.  
**Ecological:** NATURAL VERNAL POOLS & MANMADE ROADSIDE DITCHES. PLANTS PRESENT INCL. ERYNGIUM VASEYI, PHYLA NODIFLORA, HORDEUM MARINUM SSP GUSSONEANUM, JUNCUS BUFONIUS, PLAGIOBOTHRYUS STIPITATUS, ELEOCHARIS MACROSTACHYA, LASTHENIA FREMONTII, L. GLABBERIMA.  
**General:** LEPIDURUS PACKARDI OBSERVED IN 1 OF 4 VERNAL POOL FEATURES INSPECTED IN SECTION 32 AND IN 1 ROADSIDE DITCH INSPECTED IN SECTION 29. SUGNET RECORD #S 134 & 135. UNKNOWN NUMBER OF BREEDING ADULTS OBS IN 2000.  
**Owner/Manager:** SRWTP BUFFERLANDS



**Lepidurus packardi**

vernal pool tadpole shrimp

Element Code: ICBRA10010

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: Endangered **Global:** G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.  
**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

**Occurrence No.** 88 **Map Index:** 33681 **EO Index:** 30428 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1993-03-12  
**Origin:** Natural/Native occurrence **Site:** 1993-03-12  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1997-03-12

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.48133° / -121.46428° **Township:** 07N  
**UTM:** Zone-10 N4260339 E633949 **Range:** 05E  
**Area:** **Mapping Precision:**NON-SPECIFIC **Section:** 8 **Qtr:** XX  
**Elevation:** 15 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** SOUTH OF FLORIN ROAD & NORTH OF BEACON CREEK. ON THE SOUTHERN EDGE OF SACRAMENTO.  
**Location Detail:**MANMADE ROADSIDE DITCHES AND MANMADE VERNAL POOLS LOCATED SOMEWHERE IN SECTIONS 6 AND 8.  
**Ecological:** MOST OF THESE TWO SECTIONS ARE HEAVILY URBANIZED.  
**General:** LEPIDURUS PACKARDI OBSERVED IN SECTION 6 IN A MANMADE VERNAL POOL ON 3/3/93 & IN 1 OF 2 INSPECTED ROADSIDE DITCHES ON 3/12/93. ON 4/2/92 THEY WERE OBSERVED IN 2 OF 3 INSPECTED ROADSIDE DITCHES IN SECTION 8. SUGNET RECORD #S 131, 132 & 133.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 89 **Map Index:** 33683 **EO Index:** 30429 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1997-03-12

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.48878° / -121.39987° **Township:** 07N  
**UTM:** Zone-10 N4261261 E639553 **Range:** 05E  
**Radius:** 3/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 02 **Qtr:** XX  
**Elevation:** 40 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH OF FLORIN RD, NORTH OF GERBER RD, EAST OF POWER INN RD, & WEST OF FRENCH RD. SOUTH OF FLORIN.  
**Location Detail:**MANMADE ROADSIDE DITCH SOMEWHERE IN SECTION 2.  
**Ecological:** MOST OF THIS SECTION IS URBANIZED.  
**General:** LEPIDURUS PACKARDI WAS OBSERVED IN A ROADSIDE DITCH. NO B. LYNCHI OBSERVED. SUGNET RECORD #130.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 92 **Map Index:** 33691 **EO Index:** 30608 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1997-03-07

**Quad Summary:** Florin (3812144/496B), Sacramento East (3812154/512C)  
**County Summary:** Sacramento

**Lat/Long:** 38.50290° / -121.47384° **Township:** 08N  
**UTM:** Zone-10 N4262718 E633076 **Range:** 05E  
**Radius:** 3/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 31 **Qtr:** XX  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH OF 47TH AVE, NORTH OF FLORIN RD, EAST OF WOODBINE AVE. ON SOUTHERN END OF SACRAMENTO.  
**Location Detail:**ROADSIDE DITCHES SOMEWHERE IN SECTION 31.  
**Ecological:** MOST OF THIS SECTION IS URBANIZED.  
**General:** LEPIDURUS PACKARDI WAS OBSERVED IN A ROADSIDE DITCH ON 4/2/92. SUGNET RECORD #144.  
**Owner/Manager:** UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Endangered	Global: G3	CDFG Status:
State: None	State: S2S3	

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.  
**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

<b>Occurrence No.</b> 93	<b>Map Index:</b> 33692	<b>EO Index:</b> 30610	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1992-04-03
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1992-04-03
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-08-10

**Quad Summary:** Florin (3812144/496B), Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.51048° / -121.39984°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4263669 E639514	<b>Range:</b> 05E
<b>Area:</b> 1,513.2 acres	<b>Mapping Precision:</b> SPECIFIC
<b>Elevation:</b> 35 ft	<b>Section:</b> 35
	<b>Symbol Type:</b> POLYGON
	<b>Meridian:</b> M
	<b>Qtr:</b> XX

**Location:** SOUTH OF FRUITRIDGE RD, NORTH OF FLORIN RD, EAST OF POWER INN RD, AND WEST OF FLORIN PERKINS RD.  
**Location Detail:** MANMADE ROADSIDE DITCHES LOCATED SOMEWHERE IN SECTIONS 26 AND 35.  
**Ecological:** MOST OF SECTION 26 IS URBANIZED.  
**General:** LEPIDURUS PACKARDI OBSERVED IN A ROADSIDE DITCH IN SECTION 26 AND A ROADSIDE DITCH IN SECTION 35. SUGNET RECORD #S 143 & 145.  
**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 114	<b>Map Index:</b> 37071	<b>EO Index:</b> 32068	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1998-04-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1998-04-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-03-15

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.45613° / -121.41327°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4257618 E638447	<b>Range:</b> 05E
<b>Area:</b>	<b>Mapping Precision:</b> NON-SPECIFIC
<b>Elevation:</b> 25 ft	<b>Section:</b> 15
	<b>Symbol Type:</b> POLYGON
	<b>Meridian:</b> M
	<b>Qtr:</b> XX

**Location:** INTERSECTION OF COSUMNES RIVER COLLEGE BOULEVARD AND HIGHWAY 99, SOUTH OF SACRAMENTO  
**Ecological:** HABITAT CONSISTS OF BOTH NATURAL AND MAN-MADE VERNAL POOLS.  
**General:** ONE POND SURVEYED; LEPIDURUS PACKARDI DETECTED ON 10 FEB 1993. DRY/WET SEASON SAMPLING CONDUCTED JAN-APR 1998 OF A CREATED VERNAL POOL AND A CONTROL SITE; 4 INDIVIDUALS FOUND.  
**Owner/Manager:** UNKNOWN

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
 Federal: None **Global:** G3 **CDFG Status:**  
 State: None **State:** S2S3

**Habitat Associations**

**General:** SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

**Occurrence No.** 27 **Map Index:** 24533 **EO Index:** 1788 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Poor **Element:** 1993-02-23  
**Origin:** Natural/Native occurrence **Site:** 1993-02-23  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-20

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.44883° / -121.45925° **Township:** 07N  
**UTM:** Zone-10 N4256739 E634448 **Range:** 05E  
**Area:** 2.4 acres **Mapping Precision:**SPECIFIC **Section:** 20 **Qtr:** NW  
**Elevation:** 15 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** E OF SACRAMENTO REGIONAL WASTEWATER TREATMENT PLANT, ON BOTH SIDES OF WP RR TRACKS; 1.2 KM N OF RR CROSSING ON SIMS ROAD

**Location Detail:** FOUND ALONG THE WEST AND EAST SIDES OF THE WESTERN PACIFIC RR TRACKS.

**Ecological:** HABITAT CONSISTS OF WATER-FILLED DEPRESSIONS WITHIN RR ROW; SLIGHTLY TURBID WATER; DOMINANT PLANTS: JUNCUS BUFONIUS, PLAGIOBOTHRYUS STIPITATUS VAR. MICRANTHUS, GRATIOLA EBRACTEATA, LYTHRUM HYSSOPIFOLIA.

**Threat:** MOSQUITO ABATEMENT/VEGETATION CONTROL ACTIVITIES; VEHICLE ENCROACHMENT FOR RR MAINTENANCE; WATER TREATMENT ACTIVITIES.

**General:** 3/23/93->1000 ADULTS OBSERVED; 1 COLLECTED BY LEACH FOR PERSONAL COLLECTION; 3/11/93-MANY OBSERVED BY YORK & SAZAKI. BRANCHINECTA LYNCHI OBSERVED IN PAST. 4/2/1992-KOFORD OBSERVED LINDERIELLA AND TADPOLE SHRIMP.

**Owner/Manager:** PVT-WESTERN PACIFIC RR

**Occurrence No.** 127 **Map Index:** 34794 **EO Index:** 12558 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-04-02  
**Origin:** Natural/Native occurrence **Site:** 1992-04-02  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1996-06-19

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.49582° / -121.47084° **Township:** 08N  
**UTM:** Zone-10 N4261937 E633350 **Range:** 05E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 31 **Qtr:** SE  
**Elevation:** 15 ft **Symbol Type:**POINT **Meridian:** M

**Location:** CORNER OF FLORIN ROAD AND UNION PACIFIC (WESTERN PACIFIC) RR, WEST OF HWY 99.

**General:** LINDERIELLA OBSERVED BY KOFORD DURING SURVEY IN SPRING OF 1992; LEPIDURUS PACKARDI ALSO PRESENT.

**Owner/Manager:** PVT-UNION PACIFIC RR

**Occurrence No.** 140 **Map Index:** 34812 **EO Index:** 29268 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 2003-02-17  
**Origin:** Natural/Native occurrence **Site:** 2003-02-17  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2004-12-23

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.39538° / -121.46627° **Township:** 06N  
**UTM:** Zone-10 N4250798 E633934 **Range:** 05E  
**Area:** 570.1 acres **Mapping Precision:**SPECIFIC **Section:** 6 **Qtr:** XX  
**Elevation:** 15 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** 2.1 KM NNW OF FRANKLIN; WEST OF WESTERN PACIFIC RR, EAST OF I-5 AND SOUTH OF ELK GROVE BLVD.

**Location Detail:** ELLIOTT RANCH & ELK GROVE BLVD EXTENSION/I-5 INTERCHANGE MITIGATION SITES. 1995: 23 WETLANDS SAMPLED. 1996: 74 WETLANDS SAMPLED. LINDERIELLA NOT DISTINGUISHED FROM MIDVALLEY FAIRY SHRIMP IN 1995 & 1996 REPORTS. 1997: 52 WETLANDS SAMPLED.

**Ecological:** NATURAL & CONSTRUCTED HARDPAN VERNAL POOLS, SEASONAL MARSHES & WETLANDS WITHIN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.

**General:** LINDERIELLA OCCIDENTALIS &/OR MIDVALLEY FAIRY SHRIMP (BRANCHINECTA SP) OBS WITH POPS OF 50+ ADULTS IN 12 POOLS (1995 SURVEY) & 43 POOLS (1996 SURVEY). 1997: LINDERIELLA OBS IN 16 POOLS & MID-VALLEY FAIRY SHRIMP OBS IN 3 POOLS.

**Owner/Manager:** PVT-GRUPE DEVELOPMENT CO

**Linderiella occidentalis**

California linderiella

Element Code: ICBRA06010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None State: None	Global: G3 State: S2S3	CDFG Status:

**Habitat Associations**

**General:** SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

<b>Occurrence No.</b> 178	<b>Map Index:</b> 42552	<b>EO Index:</b> 42552	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1998-10-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1998-10-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-03-15

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.43614° / -121.39915°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4255421 E639718	<b>Range:</b> 05E
<b>Area:</b> 8.2 acres	<b>Mapping Precision:</b> SPECIFIC
<b>Elevation:</b> 30 ft	<b>Section:</b> 26
	<b>Meridian:</b> M
	<b>Qtr:</b> NW
	<b>Symbol Type:</b> POLYGON

**Location:** EAST SIDE OF HIGHWAY 99, BETWEEN WHITEHOUSE CREEK & SHELDON ROAD, SOUTH OF SACRAMENTO.

**General:** OBSERVED DURING DRY-SEASON SAMPLING OF SEASONAL WETLANDS ON 15 OCT 1998.

**Owner/Manager:** PVT

<b>Occurrence No.</b> 179	<b>Map Index:</b> 37071	<b>EO Index:</b> 42553	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1998-04-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1998-04-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-03-15

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.45613° / -121.41327°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4257618 E638447	<b>Range:</b> 05E
<b>Area:</b>	<b>Mapping Precision:</b> NON-SPECIFIC
<b>Elevation:</b> 25 ft	<b>Section:</b> 15
	<b>Meridian:</b> M
	<b>Qtr:</b> XX
	<b>Symbol Type:</b> POLYGON

**Location:** INTERSECTION OF COSUMNES RIVER COLLEGE BOULEVARD & HIGHWAY 99, SOUTH OF SACRAMENTO.

**Ecological:** HABITAT CONSISTS OF BOTH NATURAL AND MAN-MADE VERNAL POOLS.

**General:** DRY/WET SEASON SAMPLING CONDUCTED JAN-APR 1998 OF A CREATED VERNAL POOL AND A CONTROL SITE; UNKNOWN NUMBER OF INDIVIDUALS FOUND.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 238	<b>Map Index:</b> 59076	<b>EO Index:</b> 59112	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2002-02-04
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2002-02-04
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-01-03

**Quad Summary:** Florin (3812144/496B)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.39514° / -121.45328°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4250791 E635069	<b>Range:</b> 05E
<b>Radius:</b> 80 meters	<b>Mapping Precision:</b> SPECIFIC
<b>Elevation:</b> 20 ft	<b>Section:</b> 05
	<b>Meridian:</b> M
	<b>Qtr:</b> XX
	<b>Symbol Type:</b> POINT

**Location:** ABOUT 1.2 MILES NORTH OF FRANKLIN, ON WEST SIDE OF WESTERN PACIFIC RAILROAD TRACKS.

**Location Detail:** FOUND IN A SHALLOW TOPOGRAPHIC DEPRESSION IN RAILROAD RIGHT OF WAY.

**Ecological:** HERBACEOUS AND GRASSY SUBSTRATE.

**General:** 5-10 ADULTS OBSERVED VISUALLY ON 4 FEB 2002, NO AQUATIC SAMPLING.

**Owner/Manager:** UNKNOWN

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3	CDFG Status:
State: None	State: S2S3	

**Habitat Associations**

**General:** SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

<b>Occurrence No.</b> 265	<b>Map Index:</b> 65888	<b>EO Index:</b> 65967	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2006-04-05
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2006-04-05
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2006-08-17

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.43147° / -121.39092°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4254915 E640445	<b>Range:</b> 05E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 26
<b>Elevation:</b> 30 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** BETWEEN LAGUNA CREEK AND SHELDON ROAD, 0.6 MILES EAST OF HIGHWAY 99, 2 MILES NW OF ELK GROVE.  
**Location Detail:** VERNAL POOL 21. LINDERIELLA WAS OBSERVED IN SIX OTHER POOLS/WETLANDS (VP6, VP11, VP14, SW2, AND SW 3) ON-SITE DURING THE 2006 WET SEASON; THESE FEATURES ARE ALL LOCATED WITHIN 600' OF VP21.  
**Ecological:** VERNAL POOL LOCATED WITHIN AN ANNUAL GRASSLAND COMMUNITY. SURFACE AREA OF POOL IS APPROX. 489 SQUARE METERS; AVG. POOL DEPTH WAS LESS THAN OR EQUAL TO 15 CM, AND THE WATER TEMPERATURE WAS 15 DEGREES C.  
**General:** 100S OF INDIVIDUALS OBSERVED DURING SURVEYS CONDUCTED ON 25 JAN, 8 FEB, AND 5 APR 2006.  
**Owner/Manager:** PVT

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

<b>Status</b> Federal: None State: None	<b>NDDB Element Ranks</b> Global: G3 State: S3.1	<b>Other Lists</b>
<b>Habitat Associations</b> General: Micro:		

**Occurrence No.** 28      **Map Index:** 11356      **EO Index:** 27516      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1980-05-13  
**Origin:** Natural/Native occurrence      **Site:** 1980-05-13  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.44129° / -121.45412°      **Township:** 07N  
**UTM:** Zone-10 N4255911 E634910      **Range:** 05E  
**Radius:** 1/5 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 20      **Qtr:** S  
**Elevation:** 18 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** N OF SIMS RD, W OF FRANKLIN RD. (SACRAMENTO VIC).  
**Location Detail:** FRESHWATER MARSH AREAS PRESENT. APPROX 200 ACRES.  
**Ecological:** LOW FLOOD PLAIN POOLS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 34      **Map Index:** 11453      **EO Index:** 27458      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1983-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1983-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43323° / -121.40355°      **Township:** 07N  
**UTM:** Zone-10 N4255091 E639339      **Range:** 05E  
**Radius:** 1/5 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 26      **Qtr:** W  
**Elevation:** 25 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** S OF SHELDON RD AND W OF HWY 99. (SACRAMENTO VIC).  
**Location Detail:** APPROX 200 ACRES.  
**Ecological:** LOW FLOODPLAIN POOLS W/ FRESHWATER MARSH AREAS. ON SAN JOAQUIN ASSOCIATION SOILS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 52      **Map Index:** 11322      **EO Index:** 26980      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1980-05-13  
**Origin:** Natural/Native occurrence      **Site:** 1980-05-13  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B), Bruceville (3812134/496C)  
**County Summary:** Sacramento

**Lat/Long:** 38.38073° / -121.46635°      **Township:** 06N  
**UTM:** Zone-10 N4249172 E633955      **Range:** 05E  
**Radius:** 1 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 07      **Qtr:** SE  
**Elevation:** 15 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** 10 MI S OF SACTO. FRANKLIN BLVD, NW OF FRANKLIN AREA INCLS 6 1/2 SECTS.  
**Ecological:** LARGE, SHALLOW, FLOODPLAIN VERNAL POOLS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
**Threat:** HEAVY CATTLE USE.  
**Owner/Manager:** UNKNOWN

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None State: None	Global: G3 State: S3.1	
<b>Habitat Associations</b>		
General:		
Micro:		

**Occurrence No.** 93      **Map Index:** 11328      **EO Index:** 26716      **Dates Last Seen**

**Occ Rank:** Unknown      **Element:** 1983-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1983-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.41574° / -121.46468°      **Township:** 07N  
**UTM:** Zone-10 N4253060 E634035      **Range:** 05E  
**Radius:** 1 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 31      **Qtr:** XX  
**Elevation:** 15 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** ELLIOT RANCH ROAD, WEST OF FRANKLIN BLVD.  
**Location Detail:** SPARSELY DISTRIBUTED.  
**Ecological:** ON SAN JOAQUIN -ALAMO ASSOC SOILS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 94      **Map Index:** 11340      **EO Index:** 26865      **Dates Last Seen**

**Occ Rank:** Unknown      **Element:** 1983-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1983-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B), Bruceville (3812134/496C)  
**County Summary:** Sacramento

**Lat/Long:** 38.36177° / -121.45896°      **Township:** 06N  
**UTM:** Zone-10 N4247079 E634635      **Range:** 05E  
**Radius:** 1 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 20      **Qtr:** XX  
**Elevation:** 15 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** WEST OF FRANKLIN BLVD ABOUT 1.3 MI S OF FRANKLIN.  
**Location Detail:** SPARSE DISTRIBUTION.  
**Ecological:** ON SAN JOAQUIN -ALAMO ASSOC SOILS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO  
**Owner/Manager:** UNKNOWN

**Occurrence No.** 97      **Map Index:** 11412      **EO Index:** 26718      **Dates Last Seen**

**Occ Rank:** Unknown      **Element:** 1983-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1983-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43962° / -121.42411°      **Township:** 07N  
**UTM:** Zone-10 N4255769 E637532      **Range:** 05E  
**Radius:** 1 mile      **Mapping Precision:**NON-SPECIFIC      **Section:** 22      **Qtr:** SW  
**Elevation:** 20 ft      **Symbol Type:**POINT      **Meridian:** M

**Location:** JUST N OF SHELDON RD, W OF BRUCEVILLE RD. S OF COSUMNES RIV COLLEGE.  
**Location Detail:** SPARSE VERNAL POOLS AS SEEN IN 1983 AERIAL PHOTOS.  
**Ecological:** ON SAN JOAQUIN ASSOCIATION SOILS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.  
**Owner/Manager:** UNKNOWN

**Nycticorax nycticorax**

black-crowned night heron

Element Code: ABNGA11010

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status:  
 State: None State: S3

Habitat Associations

**General:** COLONIAL NESTER, USUALLY IN TREES, OCCASIONALLY IN TULE PATCHES.  
**Micro:** ROOKERY SITES LOCATED ADJACENT TO FORAGING AREAS: LAKE MARGINS, MUD-BORDERED BAYS, MARSHY SPOTS.

**Occurrence No.** 15      **Map Index:** 64809      **EO Index:** 64888      **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good      **Element:** 2005-02-01  
**Origin:** Natural/Native occurrence      **Site:** 2005-02-01  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2006-06-05

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43208° / -121.48017°      **Township:** 07N  
**UTM:** Zone-10 N4254851 E632653      **Range:** 05E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 30      **Qtr:** NW  
**Elevation:** 7 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** NICHOLAS POND, 0.3 MILE NORTH OF LAGUNA BOULEVARD AND 0.4 MILE EAST OF I-5, ELK GROVE  
**Ecological:** HABITAT CONSISTS OF AN OPEN-WATER POND WITH AN ISLAND IN THE MIDDLE; THE HERON ROOKERY IS FOUND ON THE ISLAND, WHICH IS VEGETATED BY SALIX GOODINGII.  
**Threat:** POSSIBLE THREAT FROM BEAVER DAMAGE TO EXISTING TREES AND LOSS OF TREES TO INUNDATION.  
**General:** 42 INDIVIDUALS OBSERVED AT THIS ROOKERY ON 1 FEB 2005.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST

**Occurrence No.** 16      **Map Index:** 64810      **EO Index:** 64889      **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good      **Element:** 2005-03-16  
**Origin:** Natural/Native occurrence      **Site:** 2005-03-16  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2006-06-05

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.44527° / -121.44861°      **Township:** 07N  
**UTM:** Zone-10 N4256360 E635383      **Range:** 05E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 20      **Qtr:** E  
**Elevation:** 7 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** FISHEAD LAKE, 0.2 MILE WEST OF FRANKLIN BOULEVARD & 0.5 MILE NORTH OF SIMS ROAD, ELK GROVE.  
**Ecological:** HABITAT CONSISTS OF A MANAGED MITIGATION WETLAND. VEGETATION INCLUDES EMERGENT MARSH PLANTS (TULE AND CATTAILS) ALONG CHANNEL EDGES, WITH ASSOCIATED RIPARIAN (WILLOWS AND COTTONWOODS).  
**General:** 12 INDIVIDUALS OBSERVED AT THIS ROOKERY ON 16 MAR 2005.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST

**Occurrence No.** 17      **Map Index:** 64811      **EO Index:** 64890      **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good      **Element:** 2005-03-16  
**Origin:** Natural/Native occurrence      **Site:** 2005-03-16  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2006-06-05

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.44833° / -121.45610°      **Township:** 07N  
**UTM:** Zone-10 N4256689 E634724      **Range:** 05E  
**Radius:** 80 meters      **Mapping Precision:** SPECIFIC      **Section:** 20      **Qtr:** NW  
**Elevation:** 7 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** FISHEAD LAKE, 0.3 MILE NE OF THE INTERSECTION OF SIMS ROAD & LAGUNA STATION ROAD, ELK GROVE.  
**Ecological:** HABITAT SURROUNDING ROOKERY CONSISTS OF A MANAGED MITIGATION WETLAND. VEGETATION INCLUDES EMERGENT MARSH PLANTS (TULE AND CATTAILS) ALONG CHANNEL EDGES, WITH ASSOCIATED RIPARIAN (WILLOWS AND COTTONWOODS).  
**General:** 13 INDIVIDUALS OBSERVED AT THIS ROOKERY ON 16 MAR 2005.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST



**Phalacrocorax auritus**

double-crested cormorant

Element Code: ABNFD01020

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** COLONIAL NESTER ON COASTAL CLIFFS, OFFSHORE ISLANDS, & ALONG LAKE MARGINS IN THE INTERIOR OF THE STATE.  
**Micro:** NESTS ALONG COAST ON SEQUESTERED ISLETS, USUALLY ON GROUND WITH SLOPING SURFACE, OR IN TALL TREES ALONG LAKE MARGINS.

<b>Occurrence No.</b> 22	<b>Map Index:</b> 11286	<b>EO Index:</b> 13106	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1988-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1988-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-12-07

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.38685° / -121.49190°	<b>Township:</b> 06N
<b>UTM:</b> Zone-10 N4249814 E631712	<b>Range:</b> 04E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 12
<b>Elevation:</b> 5 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SW
<b>Symbol Type:</b> POINT	

**Location:** SE ARM OF NORTH STONE LAKE, APPROX 6 MI S OF SACRAMENTO.  
**Location Detail:** 8 NESTS WITH APPROXIMATELY 20 ADULT BIRDS IN THE AREA; 2 NESTS CONTAINING YOUNG OBSERVED.  
**Ecological:** HABITAT CONSISTS OF A LARGE COTTONWOOD GROVE SURROUNDED BY A FRESHWATER MARSH BELOW.  
**Threat:** GRAZING IS MAIN THREAT; IT DOES NOT ALLOW REGENERATION OF TREES.  
**General:** GREAT BLUE HERON AND GREAT EGRET ALSO NEST HERE. COUNTY OF SACRAMENTO LEASES THIS PROPERTY TO A PRIVATE PARTY.  
**Owner/Manager:** SAC COUNTY, PVT

<b>Occurrence No.</b> 38	<b>Map Index:</b> 66450	<b>EO Index:</b> 66554	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Good			<b>Element:</b> 2005-03-26
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-03-26
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2006-09-27

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.44164° / -121.48454°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4255905 E632254	<b>Range:</b> 04E
<b>Radius:</b> 80 meters	<b>Section:</b> 24
<b>Elevation:</b> 10 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** NORTHERN ISLAND ON BLACK CROWN LAKE, JUST UPSTREAM (EAST) OF I-5, 6.5 MILES NW OF ELK GROVE.  
**Ecological:** NEST TREES WERE POPULUS FREMONTII GROWING ON THE ISLAND. SURROUNDING AREA IS MANAGED SEASONAL WETLANDS AND RIPARIAN/GRASSLAND RESTORATION SITES.  
**Threat:** THREATENED BY LOSS OF TREES TO BEAVER PREDATION.  
**General:** 2 ACTIVE DCCO NESTS PRESENT DURING 2005.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST

<b>Occurrence No.</b> 39	<b>Map Index:</b> 66452	<b>EO Index:</b> 66556	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2005-03-25
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-03-25
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2006-09-27

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

<b>Lat/Long:</b> 38.44723° / -121.48163°	<b>Township:</b> 07N
<b>UTM:</b> Zone-10 N4256530 E632498	<b>Range:</b> 05E
<b>Radius:</b> 80 meters	<b>Section:</b> 19
<b>Elevation:</b> 5 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	

**Location:** ALONG MORRISON CREEK, 0.7 MILE UPSTREAM (EAST) OF I-5, 6.5 MILES NW OF ELK GROVE.  
**Ecological:** HABITAT IS MATURE MIXED RIPARIAN, DOMINATED BY POPULUS FREMONTII, QUERCUS LOBATA, & SALIX GOODDINGII. ROOKERY INCLUDES GREAT BLUE HERON & GREAT EGRET NESTS. SURROUNDING AREA IS MANAGED SEASONAL WETLANDS & RIPARIAN/GRASSLAND RESTORATION SITE  
**Threat:** THREATENED BY LOSS OF TREES TO BEAVER PREDATION.  
**General:** 28 ACTIVE DCCO NESTS PRESENT DURING 2005.  
**Owner/Manager:** SAC COUNTY REG SANITATION DIST

Pogonichthys macrolepidotus

Sacramento splittail

Element Code: AFCJB34020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CDFG Status: SC

State: None

State: S2

Habitat Associations

General: ENDEMIC TO THE LAKES AND RIVERS OF THE CENTRAL VALLEY, BUT NOW CONFINED TO THE DELTA, SUISUN BAY & ASSOCIATED MARSHES.

Micro: SLOW MOVING RIVER SECTIONS, DEAD END SLOUGHS. REQUIRE FLOODED VEGETATION FOR SPAWNING & FORAGING FOR YOUNG.

Occurrence No. 1

Map Index: 24986

EO Index: 881

Dates Last Seen

Occ Rank: Good

Element: 1995-02-26

Origin: Natural/Native occurrence

Site: 1995-02-26

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-01-02

Quad Summary: Courtland (3812135/497D), Clarksburg (3812145/497A), Grays Bend (3812166/513B), Knights Landing (3812176/529C), Nicolaus (3812185/529A), Florin (3812144/496B), Sacramento West (3812155/513D), Taylor Monument (3812165/513A), Verona (3812175/529D), Eldorado Bend (3812177/530D)

County Summary: Sutter, Yolo, Sacramento

Lat/Long: 38.61362° / -121.56075°

Township: 10N

UTM: Zone-10 N4274883 E625304

Range: 03E

Area: 5,037.5 acres

Mapping Precision: SPECIFIC

Section: 20

Qtr: XX

Elevation: 20 ft

Symbol Type: POLYGON

Meridian: M

Location: SACRAMENTO RIVER FROM MISSOURI BEND N OF KNIGHTS LANDING TO S OF COURTLAND. ALSO, LOWER 10 MILES OF THE FEATHER RIVER.

Location Detail: IN THE SACRAMENTO RIVER FROM RIVER MILE 33 SOUTH OF COURTLAND TO RIVER MILE 97 NORTH OF KNIGHTS LANDING, AND THE LOWER 10 MILES OF THE FEATHER RIVER.

Ecological: MODERATE CURRENT & SANDY BOTTOM. RIVERBANKS VARIABLE, WATER TEMP AVERAGES LOW 60'S F. MOST FISH TAKEN FROM THE END OF DECEMBER TO THE END OF MAY.

General: INFORMATION TAKEN FROM A SACRAMENTO RIVER ANGLER SURVEY CONDUCTED BETWEEN 1991 & 1995. FISH WERE TAKEN BY HOOK & LINE MOSTLY FROM SHORE. MOST OF THE SPLITTAIL CAUGHT WERE TAKEN INCIDENTALLY & WERE NOT THE SPECIES TARGETED BY THE ANGLER.

Owner/Manager: PVT, STATE

**Sagittaria sanfordii**

Sanford's arrowhead

Element Code: PMALI040Q0

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G3 CNPS List: 1B.2  
 State: None State: S3.2

Habitat Associations \_\_\_\_\_  
 General: MARSHES AND SWAMPS.  
 Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No. 16 Map Index: 24535 EO Index: 4949 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 2004-07-08  
 Origin: Natural/Native occurrence Site: 2004-07-08  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-08-12

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.47838° / -121.39739° Township: 07N  
 UTM: Zone-10 N4260111 E639789 Range: 05E  
 Area: 19.6 acres Mapping Precision: SPECIFIC Section: 11 Qtr: XX  
 Elevation: 35 ft Symbol Type: POLYGON Meridian: M

Location: ALONG AND BETWEEN BEACON CREEK AND ELDER CREEK, EAST OF POWER INN ROAD, ELK GROVE.  
 Location Detail: MAPPED AS FIVE POLYGONS: TWO ALONG BEACON CREEK BETWEEN POWER INN ROAD AND RR TRACKS, ONE BETWEEN THE TWO CREEKS, AND TWO ALONG ELDER CREEK ON EITHER SIDE OF RR TRACKS. MAPPED FROM THE SW 1/4 OF SECTION 11 TO THE SW 1/4 OF SECTION 1.  
 Ecological: GROWING IN FLOWING STREAM, IN CEMENT-LINED CHANNEL WITH MUD, AND DRAINAGE CHANNEL. ASSOCIATED WITH ALISMA PLANTAGO-AQUATICUM, LUDWIGIA PELOIDES, LEPTOCHLOA FASCICULARIS, ECHINOCHLOA CRUS-GALLII, TYPHA LATIFOLIA, LEMNA, ETC.  
 Threat: CREEK REALIGNMENT, HERBICIDE SPRAYING, ADJACENT RESIDENTIAL DEVELOPMENT, TRASH DUMPING, AND PROPOSED WATER PIPELINE.  
 General: ALONG ELDER CREEK, 400+ PLANTS SEEN IN 1992 AND "HUNDREDS" IN 2004. ABOUT 100 PLANTS EACH SEEN IN 2004 AT EASTERN BEACON CREEK SITE AND AT SITE BETWEEN THE TWO CREEKS. SEE CNDDDB FOR FULL POPULATION DETAIL. INCLUDES FORMER EO #17.

Owner/Manager: PVT, ELK GROVE SCHOOL DIST

Occurrence No. 18 Map Index: 24539 EO Index: 17243 Dates Last Seen \_\_\_\_\_  
 Occ Rank: None Element: 1996-08-XX  
 Origin: Natural/Native occurrence Site: 1996-08-XX  
 Presence: Possibly Extirpated  
 Trend: Unknown Record Last Updated: 2003-06-06

Quad Summary: Elk Grove (3812143/496A), Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.45158° / -121.39310° Township: 07N  
 UTM: Zone-10 N4257143 E640216 Range: 05E  
 Area: Mapping Precision: NON-SPECIFIC Section: 13 Qtr: SE  
 Elevation: 40 ft Symbol Type: POLYGON Meridian: M

Location: STRAWBERRY CREEK. NORTHWEST & SOUTH OF CALVINE RD/ELK GROVE-FLORIN RD INTERSECTION, ELK GROVE.  
 Location Detail: 6 MAIN COLONIES, 1) "CHANNEL OFF OF STRAWBERRY CREEK" MAPPED NW OF CALVINE/ELK GROVE-FLORIN RD JCT 2-4) ALONG CREEK WEST OF ELK GROVE-FLORIN RD 5) ALONG ASSESSORS PARCEL #115013014, 6) JUST WEST OF SPRR, IN STOCK POND (TRANSP POP).  
 Ecological: COLONY NEAR BAY TOWN CRK IS CEMENT LINED CHANNEL. CENTER COLONIES ARE ALONG DRIED CREEK CHANNEL.  
 Threat: NW POP IN CANAL WAS TO BE CLEARED OF VEGETATION IN 1991 OR 1992, DEVELOPMENT PROPOSED FOR CENTER POP. HOW MUCH IS LEFT?  
 General: SACRAMENTO CO PUBLIC WORKS DEPT. TO TRANSPLANT COLONY 1 INTO A GIANT GARTER SNAKE SITE TO MITIGATE FOR CANAL CLEARING ACTIVITIES. POP IN SEC 24 REPLANTED AT SITE AFTER STRAWBERRY CR REALIGNMENT. FORMER EO #19 & #20 HERE.

Owner/Manager: SAC COUNTY PUBLIC WORKS, PVT

**Sagittaria sanfordii**

Sanford's arrowhead

Element Code: PMALI040Q0

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G3 CNPS List: 1B.2  
 State: None State: S3.2

Habitat Associations \_\_\_\_\_  
 General: MARSHES AND SWAMPS.  
 Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No. 21 Map Index: 24540 EO Index: 17101 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1992-08-20  
 Origin: Natural/Native occurrence Site: 1992-08-20  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1993-11-18

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.45765° / -121.41798° Township: 07N  
 UTM: Zone-10 N4257779 E638033 Range: 05E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 15 Qtr: SE  
 Elevation: 20 ft Symbol Type: POINT Meridian: M

Location: STRAWBERRY CREEK AT BRUCEVILLE ROAD, SACRAMENTO.  
 Location Detail: JUST NORTH OF COSUMNES RIVER BLVD IN CREEK ALONG BOTH SIDES OF BRUCEVILLE ROAD, JUST WITHIN SACRAMENTO CITY LIMITS.  
 Ecological: IN SHALLOW SLOW MOVING WATER.  
 General: SEVERAL HUNDRED PLANTS OBSERVED IN 1992.  
 Owner/Manager: PVT

Occurrence No. 22 Map Index: 24534 EO Index: 19286 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1992-07-19  
 Origin: Natural/Native occurrence Site: 1992-07-19  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1995-11-13

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.43689° / -121.49674° Township: 07N  
 UTM: Zone-10 N4255360 E631198 Range: 04E  
 Area: 11.0 acres Mapping Precision: SPECIFIC Section: 25 Qtr: XX  
 Elevation: 0 ft Symbol Type: POLYGON Meridian: M

Location: BEACH LAKE, ALONG DIKE ADJACENT TO MORRISON CREEK, 2 KM (1.8 MI) SOUTH OF FREEPORT.  
 Location Detail: HISTORIC BEACH LAKE EXTENDED ALONG EITHER SIDE OF WHAT IS NOW I-5. THIS PORTION OF BEACH LAKE REFERS TO MARSHY AREA SOUTH OF FREEPORT AND BETWEEN I-5 AND THE SACRAMENTO RIVER.  
 Ecological: GROWING JUST OFFSHORE IN 1-2 FEET OF WATER. ASSOCIATES INCLUDE TYPHA LATIFOLIA, LUDWIGIA PEPLOIDES, AND SCIRPUS ACUTUS. GIANT GARTER SNAKE (THAMNOPHIS GIGAS) OBSERVED JUST EAST OF THE SAGITTARIA.  
 Threat: HERBICIDE APPLICATION.  
 General: 3-4 COLONIES OBSERVED IN 1992. LAKE OWNED BY BEACH LAKE PROPERTIES BUT MAY BECOME PART OF A COUNTY PRESERVE. CALTRANS RECREATED WETLANDS MITIGATION BANK IS LOCATED TO THE EAST, BETWEEN BEACH LAKE AND I-5.  
 Owner/Manager: PVT-BEACH LAKE PROPERTIES

Occurrence No. 40 Map Index: 30130 EO Index: 4954 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 1993-XX-XX  
 Origin: Natural/Native occurrence Site: 1993-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1994-09-27

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.49620° / -121.45163° Township: 08N  
 UTM: Zone-10 N4262007 E635025 Range: 05E  
 Area: 11.0 acres Mapping Precision: SPECIFIC Section: 32 Qtr: SE  
 Elevation: 20 ft Symbol Type: POLYGON Meridian: M

Location: MORRISON CREEK AT FLORIN ROAD, SACRAMENTO.  
 Location Detail: ALONG EITHER SIDE OF FLORIN ROAD, ABOUT 0.4 MILE EAST OF FRANKLIN BLVD.  
 General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL; ECOLOGICAL, THREAT, AND OWNERSHIP INFO NEEDED.  
 Owner/Manager: UNKNOWN

**Sagittaria sanfordii**

Sanford's arrowhead

Element Code: PMALI040Q0

Status: \_\_\_\_\_ NDDB Element Ranks: \_\_\_\_\_ Other Lists: \_\_\_\_\_  
 Federal: None Global: G3 CNPS List: 1B.2  
 State: None State: S3.2

Habitat Associations

General: MARSHES AND SWAMPS.  
 Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No. 41 Map Index: 30131 EO Index: 4953 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: None Element: 1993-XX-XX  
 Origin: Natural/Native occurrence Site: 2005-07-02  
 Presence: Possibly Extirpated  
 Trend: Unknown Record Last Updated: 2005-10-03

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.47613° / -121.45121° Township: 07N  
 UTM: Zone-10 N4259781 E635099 Range: 05E  
 Area: 12.2 acres Mapping Precision: SPECIFIC Section: 08 Qtr: NE  
 Elevation: 20 ft Symbol Type: POLYGON Meridian: M

Location: ELDER CREEK AT FRANKLIN BLVD, SACRAMENTO.  
 Location Detail: ALONG EITHER SIDE OF FRANKLIN BLVD., ABOUT 0.15 MILE NORTH OF MACK ROAD.  
 Ecological: CONCRETE CHANNEL. THE ONLY VEGETATION OBSERVED IN 1995 WAS VERY SPARSE LUDWEGIA PEPLIODES. VERY LITTLE AVAILABLE SUBSTRATE.  
 Threat: CHANNEL MAINTENANCE? SITE SURROUNDED BY URBAN SPRAWL.  
 General: UNKNOWN NUMBER OF PLANTS REPORTED AT THIS SITE BY NORTON IN 1993. REPEATED HIGH WATER EVENTS OR CHANNEL MAINTENANCE MAY HAVE SCOURED PLANTS FROM THIS CHANNEL; SHOULD BE MONITORED FOR RECOLONIZATION. NO PLANTS SEEN IN 2005.

Owner/Manager: CITY OF SACRAMENTO

Occurrence No. 42 Map Index: 30132 EO Index: 4952 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Unknown Element: 1993-XX-XX  
 Origin: Natural/Native occurrence Site: 1993-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 1994-08-04

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.47068° / -121.41815° Township: 07N  
 UTM: Zone-10 N4259225 E637993 Range: 05E  
 Area: 16.7 acres Mapping Precision: SPECIFIC Section: 10 Qtr: SW  
 Elevation: 20 ft Symbol Type: POLYGON Meridian: M

Location: BEACON CREEK AT HWY 99 & STOCKTON ROAD, SACRAMENTO.  
 Location Detail: MAPPED ABOUT 0.3 MILE SOUTHEAST OF ELSIE AVE AND EXTENDING FROM EAST OF STOCKTON ROAD TO JUST WEST OF HWY 99.  
 General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL; ECOLOGICAL, THREAT, AND OWNERSHIP INFO NEEDED.  
 Owner/Manager: UNKNOWN

Occurrence No. 43 Map Index: 30133 EO Index: 4947 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: None Element: 1998-XX-XX  
 Origin: Natural/Native occurrence Site: 1998-XX-XX  
 Presence: Possibly Extirpated  
 Trend: Unknown Record Last Updated: 2003-04-03

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.41240° / -121.39132° Township: 07N  
 UTM: Zone-10 N4252798 E640447 Range: 05E  
 Area: 9.2 acres Mapping Precision: SPECIFIC Section: 35 Qtr: SE  
 Elevation: 30 ft Symbol Type: POLYGON Meridian: M

Location: ELK GROVE CREEK WEST OF HWY 99, ELK GROVE.  
 Location Detail: MAPPED ABOUT 0.25 MILE NORTH OF ELK GROVE BLVD IN CHANNEL BEHIND WALMART.  
 General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL; ECOLOGICAL, THREAT, AND OWNERSHIP INFO NEEDED. AS OF 1998 THERE WERE NO PLANTS AT THIS LOCATION.  
 Owner/Manager: UNKNOWN

**Sagittaria sanfordii**

Sanford's arrowhead

Element Code: PMALI040Q0

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G3 CNPS List: 1B.2  
 State: None State: S3.2

Habitat Associations \_\_\_\_\_  
 General: MARSHES AND SWAMPS.  
 Micro: IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.

Occurrence No. 59 Map Index: 62284 EO Index: 62321 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: 2004-07-08  
 Origin: Natural/Native occurrence Site: 2004-07-08  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-08-11

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.45719° / -121.40680° Township: 07N  
 UTM: Zone-10 N4257745 E639009 Range: 05E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 14 Qtr: SW  
 Elevation: 25 ft Symbol Type: POINT Meridian: M

Location: STRAWBERRY CREEK, ABOUT 0.3 MILES NNE OF INTERSECTION OF HIGHWAY 99 AND CALVINE ROAD.  
 Location Detail: MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 14.  
 Threat: PROPOSED WATER PIPELINE (AS OF 2004).  
 General: UNKNOWN NUMBER OF PLANTS SEEN IN 2004.  
 Owner/Manager: UNKNOWN

Occurrence No. 61 Map Index: 62786 EO Index: 62840 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 2005-06-27  
 Origin: Natural/Native occurrence Site: 2005-06-27  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2005-10-04

Quad Summary: Florin (3812144/496B)  
 County Summary: Sacramento

Lat/Long: 38.45055° / -121.48776° Township: 07N  
 UTM: Zone-10 N4256889 E631957 Range: 04E  
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 24 Qtr: NE  
 Elevation: 5 ft Symbol Type: POINT Meridian: M

Location: MORRISON CREEK, EAST OF HIGHWAY 5, ABOUT 0.85 AIRMILE SOUTHEAST OF FREEPORT.  
 Location Detail: ALONG PORTION OF MORRISON CREEK WHICH WAS REROUTED TO THE WEST OF THE BUFFERLANDS CELL, SEASONAL WETLANDS.  
 Ecological: THE PLANT COMMUNITY WITHIN THIS CREEK IS PREDOMINATELY LUDWIGIA SP. BOTH UP AND DOWNSTREAM OF THE ABOVE LOCATION. PERENNIAL AND ANNUAL SMARTWEEDS, POLYGONUM AMPHIBIUM VAR. EMERUM AND POLYGONUM PERSICARIA, ALSO OCCUR WITHIN THIS DRAINAGE.  
 Threat: NONE IN 2005.  
 General: 5 PLANTS OBSERVED IN 2005.  
 Owner/Manager: SAC COUNTY-BUFFERLANDS

Taxidea taxus

American badger

Element Code: AMAJF04010

----- Status ----- NDDB Element Ranks ----- Other Lists -----  
 Federal: None Global: G5 CDFG Status: SC  
 State: None State: S4

Habitat Associations

General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.  
 Micro: NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No. 209 Map Index: 56999 EO Index: 57015 Dates Last Seen -----  
 Occ Rank: Unknown Element: 1938-10-22  
 Origin: Natural/Native occurrence Site: 1938-10-22  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2004-09-27

Quad Summary: Bruceville (3812134/496C), Florin (3812144/496B), Clarksburg (3812145/497A), Courtland (3812135/497D)  
 County Summary: Sacramento, Yolo

Lat/Long: 38.37192° / -121.51617° Township: 06N  
 UTM: Zone-10 N4248124 E629618 Range: 04E  
 Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 14 Qtr: XX  
 Elevation: 5 ft Symbol Type: POINT Meridian: M

Location: INDIAN MOUND, NORTH OF HOOD.  
 Location Detail: MAPPED ACCORDING TO LAT/LONG GIVEN BY MVZ; MAX ERROR DISTANCE: 1 MI.  
 General: MVZ #88217; COLLECTED BY DAVID H. JOHNSON ON 22 OCT 1938.  
 Owner/Manager: UNKNOWN

**Thamnophis gigas**

giant garter snake

Element Code: ARADB36150

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Threatened **Global:** G2G3 **CDFG Status:**  
**State:** Threatened **State:** S2S3

**Habitat Associations**

**General:** PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.  
**Micro:** THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA.

**Occurrence No.** 13 **Map Index:** 11466 **EO Index:** 13783 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** None **Element:** 1982-07-26  
**Origin:** Natural/Native occurrence **Site:** 1987-XX-XX  
**Presence:** Extirpated  
**Trend:** Unknown **Record Last Updated:** 2002-03-25

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.41240° / -121.39550° **Township:** 07N  
**UTM:** Zone-10 N4252792 E640082 **Range:** 05E  
**Radius:** 1 mile **Mapping Precision:**NON-SPECIFIC **Section:** 35 **Qtr:** S  
**Elevation:** 45 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ELK GROVE CREEK, 0.4 MI W HWY 99 AND 0.5 MI N ELK GROVE BLVD, ELK GROVE.  
**Ecological:** THE MARSH AT THIS LOCATION WAS FILLED AND LEVELED FOR INDUSTRIAL PARK DEVELOPMENT AS OF MAY 1984.  
**General:** MAY 1929:ADULT COLLECTED 10 MILES S OF SACRAMENTO. 7/1/76: 1 SNAKE CAPTURED & RELEASED. 7/26/82: 2 JUVENILES CAPTURED (EXAMINED & RELEASED) WHILE BASKING ON MATS OF DRY CATTAILS NEAR SHORE. NO SNAKES OBS DURING 1986-87 STUDY BY G. HANSEN.  
**Owner/Manager:** PVT

**Occurrence No.** 14 **Map Index:** 11413 **EO Index:** 27599 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1976-08-03  
**Origin:** Natural/Native occurrence **Site:** 1987-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1995-08-16

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43691° / -121.42307° **Township:** 07N  
**UTM:** Zone-10 N4255470 E637628 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 27 **Qtr:** NW  
**Elevation:** 20 ft **Symbol Type:**POINT **Meridian:** M

**Location:** LAGUNA MARSH, ALONG SHELDON RD, 0.3 MI W OF BRUCEVILLE RD, ELK GROVE.  
**Ecological:** MARSH AREA SURROUNDED BY CULTIVATED FIELDS & HEAVILY GRAZED GRASSLANDS. GRAZED AREAS CHARACTERIZED BY COMPACTED SOIL, FEW RODENT BURROWS, & SPARSE VEGETATION, THEREBY PROVIDING LITTLE COVER FOR SNAKES DURING FLOODS.  
**Threat:** AGRICULTURE & GRAZING.  
**General:** SNAKES OBSERVED PRIOR TO, BUT NOT DURING 1986-87 STUDY BY G. HANSEN.  
**Owner/Manager:** PVT

**Occurrence No.** 15 **Map Index:** 11275 **EO Index:** 624 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1992-07-19  
**Origin:** Natural/Native occurrence **Site:** 1992-07-19  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1995-11-02

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43234° / -121.49818° **Township:** 07N  
**UTM:** Zone-10 N4254853 E631081 **Range:** 04E  
**Area:** **Mapping Precision:**NON-SPECIFIC **Section:** 25 **Qtr:** XX  
**Elevation:** 10 ft **Symbol Type:**POLYGON **Meridian:** M

**Location:** BEACH LAKE, APPROXIMATELY 1.5 MILES SOUTH OF FREEPORT.  
**Location Detail:** 1992 OBSERVATION MADE ALONG THE EASTERN FACE OF THE LEVEE BETWEEN MORRISON CREEK AND THE LAKE.  
**Ecological:** SHORE VEGETATION DOMINATED BY SCIRPUS ACUTA.  
**Threat:** SITE WAS SPRAYED BY HERBICIDES IN 1991.  
**General:** GGS OBSERVED HERE PRIOR TO 1986. ONE ADULT OBSERVED EATING A BULLFROG. LEVEE SERVES AS ACCESS TO AGRICULTURAL FIELD (SITE OF PROPOSED CALTRANS MITIGATION BANK) TO EAST. LIGHT FISHING, RECREATION USE FROM BEACH LAKE PROPERTIES (BLP) MEMBERS.  
**Owner/Manager:** SAC COUNTY, PVT



**Thamnophis gigas**

giant garter snake

Element Code: ARADB36150

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Threatened **Global:** G2G3 **CDFG Status:**  
**State:** Threatened **State:** S2S3

**Habitat Associations**

**General:** PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.  
**Micro:** THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA.

**Occurrence No.** 84 **Map Index:** 11449 **EO Index:** 27544 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 1982-08-03  
**Origin:** Natural/Native occurrence **Site:** 1982-08-03  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1995-08-02

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43101° / -121.40551° **Township:** 07N  
**UTM:** Zone-10 N4254842 E639172 **Range:** 05E  
**Radius:** 1/5 mile **Mapping Precision:**NON-SPECIFIC **Section:** 26 **Qtr:** NW  
**Elevation:** 20 ft **Symbol Type:**POINT **Meridian:** M

**Location:** LAGUNA CRK, 0.8 MI SE JCT OF BRUCEVILLE RD & SHELDON RD, ELK GROVE.  
**Ecological:** ADULT SNAKE FOUND SWIMMING AMONG CATTAILS & TULE; AREA ALSO KNOWN AS "CONFLUENCE MARSH" (JCT OF LAGUNA CR & ELK GROVE CR). POTENTIAL PREY SPECIES INCLUDE CARP, BULLHEAD, MOSQUITOFISH, & BULLFROG.  
**Threat:** MARSH AREA SURROUNDED BY IRRIGATED PASTURE & GRAZED GRASSLAND.  
**General:** SNAKE OBSERVED PRIOR TO, BUT NOT DURING 1986-87 STUDY BY G. HANSEN.  
**Owner/Manager:** PVT

**Occurrence No.** 147 **Map Index:** 37128 **EO Index:** 32125 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Fair **Element:** 1965-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1965-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1997-10-08

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** 38.43521° / -121.48503° **Township:** 07N  
**UTM:** Zone-10 N4255191 E632223 **Range:** 04E  
**Radius:** 1/10 mile **Mapping Precision:**NON-SPECIFIC **Section:** 25 **Qtr:** XX  
**Elevation:** 7 ft **Symbol Type:**POINT **Meridian:** M

**Location:** SOUTH OF SOUTH BEACH LAKE AND WEST OF I-5, VICINITY OF LOWER MORRISON CREEK, SOUTH OF SACRAMENTO  
**Location Detail:** SNAKES WERE FOUND IN OLD "PIT" BLINDS AT A SMALL DUCK CLUB.  
**Ecological:** AT THE TIME OF THE ORIGINAL OBSERVATIONS (1955 AND 1965), THIS AREA CONSISTED OF FARMLAND (WHEAT, CORN) ADJACENT TO MORRISON CREEK RIPARIAN/FLOODPLAIN. SITE IS NOW MANAGED AS SANITATION DISTRICT BUFFER LANDS (MANAGED MARSH).  
**Threat:** POSSIBLE THREATS INCLUDE FLOODING, CONVERSION TO OTHER WETLAND TYPES, AND UPSTREAM URBANIZATION.  
**General:** 1 GGS OBSERVED IN 1955; 2 OBSERVED IN 1965. GGS IS PRESUMED TO BE EXTANT AT THIS SITE DUE TO THE PERSISTENCE OF SUITABLE WETLANDS AT THIS SITE AND OBSERVATIONS OF GGS FROM NEARBY UPSTREAM AND DOWNSTREAM LOCATIONS.  
**Owner/Manager:** SANITATION DIST

**Occurrence No.** 198 **Map Index:** 61361 **EO Index:** 61397 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Good **Element:** 2005-05-01  
**Origin:** Natural/Native occurrence **Site:** 2005-05-01  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2005-05-19

**Quad Summary:** Florin (3812144/496B)  
**County Summary:** Sacramento

**Lat/Long:** \_\_\_\_\_ **Township:** \_\_\_\_\_  
**UTM:** \_\_\_\_\_ **Range:** \_\_\_\_\_  
**Radius:** \_\_\_\_\_ **Mapping Precision:** \_\_\_\_\_ **Section:** \_\_\_\_\_ **Qtr:** \_\_\_\_\_  
**Elevation:** \_\_\_\_\_ **Symbol Type:** \_\_\_\_\_ **Meridian:** \_\_\_\_\_

**Location:** \*SENSITIVE\* Location information suppressed.  
**Location Detail:** Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.  
**Ecological:** HABITAT CONSISTS OF A RIPARIAN AREA ALONG LAGUNA CREEK, DOMINATED BY RUMEX CRISPUS AND TYPHA LATIFOLIA, WITH ASSOCIATES WHICH INCLUDE SALIX SPP AND POPULUS FREMONTII.  
**Threat:** THREATENED BY URBAN GROWTH AND WATER POLLUTION FROM CITY RUNOFF IN AREAS.  
**Owner/Manager:**

**Xanthocephalus xanthocephalus**

yellow-headed blackbird

Element Code: ABPBXB3010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: None

State: S3S4

Habitat Associations

General: (NESTING) NESTS IN FRESHWATER EMERGENT WETLANDS W/DENSE VEGETATION & DEEP WATER. OFTEN ALONG BORDERS OF LAKES OR PONDS.

Micro: NESTS ONLY WHERE LARGE INSECTS SUCH AS ODONATA ARE ABUNDANT, NESTING TIMED WITH MAXIMUM EMERGENCE OF AQUATIC INSECTS.

Occurrence No. 9

Map Index: 63557

EO Index: 63652

Dates Last Seen

Occ Rank: Unknown

Element: 1899-06-10

Origin: Natural/Native occurrence

Site: 1899-06-10

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2005-12-29

Quad Summary: Florin (3812144/496B), Clarksburg (3812145/497A)

County Summary: Yolo, Sacramento

Lat/Long: 38.45140° / -121.50133°

Township: 07N

UTM: Zone-10 N4256965 E630771

Range: 04E

Radius: 1/5 mile

Mapping Precision: NON-SPECIFIC

Section: 23

Qtr: XX

Elevation: 5 ft

Symbol Type: POINT

Meridian: M

Location: 0.5 MI SOUTH OF FREEPORT

General: MVZ #954-957 (EGG SETS) COLLECTED 10 JUN 1899 BY R. H. ELLIOTT.

Owner/Manager: UNKNOWN

**SPECIAL STATUS SPECIES POTENTIALLY OCCURRING WITHIN  
THE DELTA SHORES PROJECT SITE**

Common Name	Scientific Name	Status Fed/CA/other	Habitat	Likelihood of Occurrence Within the Project Site
<b>Plants</b>				
Bristly sedge	<i>Carex comosa</i>	none/none/2	Occurs in coastal prairie, along the lake margins of marshes and swamps, and valley and foothill grasslands at elevations ranging from 0 – 625 meters; blooms May to September.	<b>None.</b> No suitable habitat exists on the project site.
Dwarf downingia	<i>Downingia pusilla</i>	none/none/2	Occurs in vernal pools and mesic (well-drained) valley and foothill grasslands at elevations ranging from 1 - 445 meters; blooms March to May.	<b>None.</b> No suitable habitat exists on the project site.
Boggs Lake hedge-hyssop	<i>Gratiola heterosepala</i>	None/SE/1B	Occurs in marshes, swamps and vernal pools with clay soil substrates at elevations ranging from 10 – 2375 meters; blooms April to August.	<b>None.</b> No suitable habitat exists on the project site.
Rose-mallow	<i>Hibiscus lasiocarpus</i>	none/none/2	Margins of ponds and marshes and riparian areas.	<b>None.</b> No suitable habitat exists on the project site.
Delta tule pea	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	None/None/1B.2	Occurs in brackish and freshwater marshes and swamps at elevations ranging from 0 – 4 meters; blooms May to July.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.
Legenere	<i>Legenere limosa</i>	None/None/1B.1	Occurs in vernal pools at elevations ranging from 1 – 880 meters; blooms April to June.	<b>None.</b> No suitable habitat exists on the project site..
Mason's lilaepsis	<i>Lilaeopsis masonii</i>	None/CR/1B.1	Occurs in brackish or freshwater marshes and swamps and riparian scrub at elevations ranging from 0 – 10 meters; blooms April to November.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.
Delta mudwort	<i>Limosella subulata</i>	None/None/2.1	Occurs in marshes and swamps at elevations ranging from 0 – 3 meters; blooms May to August.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.
Slender orcutt grass	<i>Orcuttia tenuis</i>	FT/CE/1B.1	Occurs in vernal pools at elevations ranging from 30 - 1735 meters; blooms May to October.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.
Sacramento orcutt grass	<i>Orcuttia viscida</i>	FE/CE/1B.1	Occurs in vernal pools at elevations ranging from 30 - 1735 meters; blooms May to October.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.
Sanford's arrowhead	<i>Sagittaria sanfordii</i>	None/None/1B.2	Occurs in shallow freshwater marshes, swamps, and slow gradient streams at elevations ranging from 0 – 610 meters; blooms May to October.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species.

**SPECIAL STATUS SPECIES POTENTIALLY OCCURRING WITHIN  
THE DELTA SHORES PROJECT SITE**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Status Fed/CA/other</b>	<b>Habitat</b>	<b>Likelihood of Occurrence Within the Project Site</b>
Marsh skullcap	<i>Scutellaria galericulata</i>	None/None/2.2	Occurs in lower montane coniferous forests, meadows and seeps, and marshes and swamps at elevations ranging from 0 – 2100 meters; blooms June to September.	<b>None.</b> Project Site does not provide suitable aquatic habitat for this species
<b>Invertebrates</b>				
Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	FT/None/None	Vernal pools and other seasonal wetlands in open grassland habitat.	<b>None.</b> ECORP's dry and wet season sampling of the project site found no branchiopods.
Vernal pool tadpole shrimp	<i>Lepidurus packardii</i>	FE/None/None	Vernal pools and other seasonal wetlands in open grassland habitat.	<b>None.</b> ECORP's dry and wet season sampling of the project site found no branchiopods.
California linderiella	<i>Linderiella occidentalis</i>	None/None/None	Vernal pools and other seasonal wetlands in open grassland habitat.	<b>None.</b> ECORP's dry and wet season sampling of the project site found no branchiopods.
Midvalley fairy shrimp	<i>Branchinecta mesovallensis</i>	None/SAL/NA	Vernal pools and other seasonal wetlands	<b>None.</b> ECORP's dry and wet season sampling of the project site found no branchiopods.
<b>Birds</b>				
Tricolored blackbird	<i>Agelaius tricolor</i>	None/CSC/MBTA and BCC	Highly colonial species. Most numerous in the Central Valley. Requires open water, cattail or tulle marshes, protected nesting substrate (blackberry thickets), and a foraging area with insect prey within a few kilometers of the colony	<b>None.</b> Project Site does not provides suitable nesting habitat.
Western yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>	none/CE/BCC	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests and forages in dense, extensive stands of riparian woodland habitat dominated by willow, often mixed with cottonwoods, with understory of blackberry, nettles, or wild grape.	<b>None.</b> Project Site does not provides suitable habitat for this species.
Yellow-headed blackbird	<i>Xanthocephalus xanthocephalus</i>	none/none/MBTA	Nests in fresh emergent wetland with dense vegetation and deep water, often along borders of lakes or ponds. Forages in emergent wetland and moist, open areas, especially cropland and muddy shores of lacustrine habitat. Restricted distribution in Central Valley in winter, occurring mainly in the western portion.	<b>None.</b> The Project Site does not provide suitable nesting and foraging habitat; there are no recorded CNDDDB occurrences of this species within 5 miles of the Project Site; species not observed during November 2005 or January 2006 field survey.
<b>Mammals</b>				

**SPECIAL STATUS SPECIES POTENTIALLY OCCURRING WITHIN  
THE DELTA SHORES PROJECT SITE**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Status Fed/CA/other</b>	<b>Habitat</b>	<b>Likelihood of Occurrence Within the Project Site</b>
American badger	<i>Taxidea taxus</i>	None/none/CSC	Occupies a diversity of habitats throughout the state; principal habitat requirements include sufficient prey base, friable soils, and relatively open, uncultivated ground.	<b>Low.</b> The lack of suitable habitat likely precludes the presence of this species within the Project Site; no evidence of large burrows found during May 2007 surveys.
Yuma myotis bat	<i>Myotis yumanensis</i>	FSC/none/none	Optimal habitats are open forest and woodlands with sources of water for feeding.	<b>Low.</b> The lack of suitable roosting habitat in the project site likely precludes the presence of this species.
Townsend's (Pacific) western big-eared bat	<i>Corynorhinus townsendii townsendii</i>	FSC/CSC/none	Well distributed throughout a variety of habitats (coniferous forests, oak woodlands, broad-leaf forests, grasslands, etc). Roosts in caves, buildings, tunnels, and other human structures (Williams 1986).	<b>Low.</b> The lack of suitable roosting habitat within the project site likely precludes the presence of this species.
Pallid bat	<i>Antrozous pallidus</i>	None/CSC/none	Daytime roosts in buildings and crevices; less often in caves, mines, and hollow trees. Nighttime roosts in buildings, caves, mines and cliff overhangs.	<b>Low.</b> The lack of suitable roosting habitat within the project site likely precludes the presence of this species.

Notes:

Status:

Federal

FE Federally listed as Endangered

FT Federally listed as Threatened

State

ST State-listed as Threatened

CSC California Department of Fish and Game designated "Species of Special Concern"

CNPS

1B Rare or Endangered in California and elsewhere

2 Rare or Endangered in California, more common elsewhere

Source: CDFG Natural Diversity Database (CNDDDB, 2007), USFWS Online Species List Database ([http://sacramento.fws.gov/es/spp\\_lists/auto\\_list\\_form.cfm](http://sacramento.fws.gov/es/spp_lists/auto_list_form.cfm)), and the CNPS Electronic Inventory 2007.