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***Appendix F***

***Biological Resources***

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## ***Memorandum***

To: Christina Erwin  
From: Carlos Alvarado  
Date: March 26, 2009  
Subject: 65 Street Station Area Biological Resources Survey

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As part of the 65 Street Station Area Scope of Work Task 7.2, PBS&J conducted biological reconnaissance level surveys on Friday, March 20, and Thursday, March 26, 2009. The 65th Street Station Area (Study Area) is bordered to the south by 14th Avenue, Power Inn Road to the east, 65th Street to the west and Folsom Boulevard, Union Pacific Railroad (UPRR) and State University Drive West to the north (Figure 1). The survey consisted of walking representative transects through the vacant lots of the Study Area and a windshield survey through the developed portions of the Study Area. Prior to conducting the field survey, PBS&J queried the California Department of Fish and Game (CDFG) California Natural Diversity Database (CNDDDB) for any special status species previously recorded in the area.

The project area is largely developed with buildings, roadways, and impervious surface areas that generally provide low quality habitat. A few undeveloped parcels existing in the project area; the vegetation community in these areas is ruderal habitat, supporting weedy, non-native plants. Potential wetlands were found along the roadside ditches and in some of the vacant parcels.

Two vacant lots were surveyed on March 26. One of these lots is located west of the intersection of Ramona Avenue and Brighton Avenue. The other lot is an abandoned golf range on Redding Avenue just north of the Sacramento School District Bus Depot. Both lots support ruderal (weedy plants) and wetlands. The abandoned golf range supports a water trap, a relic from the golf range and a water detention basin in the eastern part of the lot. During the site visit the water trap was ponded but the water detention basin was dry. A group of California poppies (*Eschscholzia californica*) was also observed within the ruderal grassland area.

Vegetation in the Ramona Avenue lot included cheeseweed (*Malva parviflora*), hairy vetch (*Vicia villosa*), birdsrape mustard (*Brassica rappa*), clover (*Trifolium* sp.) and foxtail barley (*Hordeum murinum* ssp. *leporinum*). At the northwestern end of the lot, within a topographical low, water ponding was present. Vegetation surrounding the area is typical of wetland areas.

### Special Status Species

The CNDDDB contained four recorded occurrences within the 65th Street Project Area: Sanford's arrowhead (*Sagittaria sanfordii*), burrowing owl (*Athene cunicularia*), purple martin (*Progne subis*) and American badger (*Taxidea taxus*).

The American badger is typically found within dry open country and grasslands. Although, ruderal parcels are present within the Study Area, these vacant lots do not represent suitable habitat for the American badger and thus this species is not expected to occur. This species is no longer discussed.

Sanford's arrowhead is listed as a California Native Plant Society Plant List 1B.2 (Plants in this list are considered rare, threatened, or endangered in California and elsewhere, not very threatened in California). It is typically found in freshwater swamps, marshes and wetlands at elevations between 0 and 650 meters (0 to 2,132 feet) and blooms between May and October. It was not observed in the Study Area or in a previously recorded location.

Burrowing owls are a California species of special concern that can be found in grasslands, open space areas, and vacant lots. They use ground squirrel burrows, but can also use culverts, open pipes or even concrete debris that provide cavities for nesting areas. No burrowing owls were observed in the Study Area; however, the nesting season for this species does not start until April.

The purple martin is a California species of special concern. Purple martins in the western U.S. are tree cavity nesters; however, in Sacramento they have been found using weep holes under overpasses for nest sites. A purple martin colony that has been active for the past six years is located within the Redding Avenue overpass. No purple martins were observed during the site visits; however, the nesting season for this species does not start until mid-April.

Due to the close proximity of the project to the purple martin colony under the Redding Avenue overpass and potential nesting trees located west of State University Drive, a preconstruction survey for nesting birds shall be implemented before any ground disturbing activities take place.

#### Waters of the U.S.

In addition to potential special status species, and their habitat, the Study Area was surveyed for potential wetlands. During the March 20th survey, road side ditches were found along Redwood Avenue, San Joaquin Street and State University Drive West. The Redwood Avenue and State University Drive West roadside ditches contained water and wetland vegetation such as water plantain (*Alisma plantago aquatica*). No water was observed within the San Joaquin Street roadside ditch, but the ground was still moist from previous rain events.

Additional water ponding was observed on both sides of the Union Pacific railroad, south of Hwy-50 until approximately Cucamonga Avenue. Due to access and security concerns, the railroad area south of San Joaquin Avenue was not surveyed. However ponding was observed from the railroad crossing on 14th Street.

The field survey did reveal the presence of potential waters of the United States. There are road side ditches that convey water away from surface streets. These ditches could fall under the jurisdiction of the Clean Water Act if they are tributary to and exchange water with another water of the U.S. In addition, these ditches could fall under the regulatory authority of the Porter-Cologne Water Quality Control Act (California Water Code, Division 7, Section 13000 *et seq.*) which protect water quality in

any surface water or groundwater within the boundaries of the state. Most likely these ditches would be considered jurisdictional in the fact that they convey water than eventually drains into the American River. Placing more than one tenth of an acre of fill material in the ditches could be considered a violation of the CWA. A wetland delineation would help determine the jurisdiction of the surface waters in both the abandoned golf course and within the Ramona Avenue lot.

Accipiter cooperii

Cooper's hawk

Element Code: ABNKC12040

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status:

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. 61

Map Index: 33435

EO Index: 29285

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Fair

Element: 1996-07-17

Origin: Natural/Native occurrence

Site: 1996-07-17

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-09-04

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.60450° / -121.47256°

Township: 09N

UTM: Zone-10 N4273995 E633000

Range: 05E

Mapping Precision: SPECIFIC

Section: 01 Qtr: NW

Symbol Type: POINT

Meridian: M

Radius: 80 meters

Elevation: 25 ft

Location: NATOMAS EAST MAIN DRAINAGE CANAL, SOUTH OF EAST LEVEE ROAD AND 0.2 MILE EAST OF NORTHGATE BLVD, SACRAMENTO.

Location Detail:

Ecological: NEST TREE IS A VALLEY OAK; NEST IS 1/3 OF THE WAY DOWN FROM THE CANOPY TOP. HABITAT CONSISTS OF VALLEY OAK/COTTONWOOD RIPARIAN, INCLUDING AN UNDERSTORY OF GRAPES, WILLOWS, BUTTOWILLOW, AND BLACKBERRY; SURROUNDED BY URBAN DEVELOPMENT.

Threat: MAIN THREAT IS HUMAN DISTURBANCE FROM TRANSIENTS/HOMELESS PEOPLE THAT USE THE AREA.

General: 1 ADULT AND 3 YOUNG NEAR FLEDGING ("BRANCHERS") OBSERVED ON 17 JULY 1996.

Owner/Manager: SAC COUNTY-PARKS & REC

Accipiter cooperii

Cooper's hawk

Element Code: ABNKC12040

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status:

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. 116

Map Index: 68556

EO Index: 68912

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Excellent

Element: 2008-05-31

Origin: Natural/Native occurrence

Site: 2008-05-31

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2008-07-08

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.57849° / -121.47762°

Township: 08N

UTM: Zone-10 N4271101 E632607

Range: 05E

Mapping Precision: SPECIFIC

Section: 06 Qtr: NW

Symbol Type: POINT

Meridian: M

Radius: 80 meters

Elevation: 23 ft

Location: VICINITY OF 21ST STREET AND H STREET, SACRAMENTO.

Location Detail: 2007: NEST TREE WAS ON THE NORTH SIDE OF H STREET, IN THE FIRST TREE WEST OF THE NW CORNER OF 21ST AND H. 2008: NEST TREE WAS DIRECTLY ACROSS FROM 2130 H STREET, EAST OF 21ST & H STREETS.

Ecological: 2007: NEST TREE WAS A LARGE ELM (NEST LOCATED ~3/4 OF THE WAY UP THE TREE) ON A BUSY STREET CORNER. 2008: NEST TREE IS A LARGE MAGNOLIA.

Threat: THREATENED BY TREE TRIMMING AND NEST TREE REMOVAL DUE TO DUTCH ELM DISEASE.

General: 2007: PAIR NESTING IN AREA FOR LAST SEVERAL YRS. PAIR NESTED SUCCESSFULLY IN 2006, FLEDGING 2. FEMALE WAS OBS ADDING TO A WELL-DEVELOPED NEST ON 2 MAR 2007. 2008: NEST 1ST OBS ON 8 APR DURING COURTSHIP. PAIR OBS WITH 3 CHICKS ON 31 MAY.

Owner/Manager: CITY OF SACRAMENTO

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. 88

Map Index: 72891

EO Index: 73808

----- Dates Last Seen -----

Occ Rank: Good

Element: 2008-06-04

Origin: Natural/Native occurrence

Site: 2008-06-04

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2008-11-19

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.60264° / -121.48439°

Township: 09N

UTM: Zone-10 N4273772 E631973

Range: 04E

Mapping Precision: SPECIFIC

Section: 25 Qtr: SE

Symbol Type: POINT

Meridian: M

Radius: 80 meters

Elevation: 25 ft

**Location:** NORTH SIDE OF AMERICA RIVER, JUST EAST OF RIVER MILE 1, SOUTH OF POND, AND EAST OF DISCOVERY PARK, SACRAMENTO.

**Location Detail:** MAPPED TO PROVIDED COORDINATES.

**Ecological:** HABITAT DESCRIBED AS DISCONTINUOUS PORTIONS OF RIPARIAN HABITAT ALONG RIVER CONTAINING POPULUS FREMONTII, SALIX EXIGUA, S. GOODDINGII, S. LUCIDA LASIANDRA, CEPHALANTHUS OCCIDENTALIS, & SAMBUCUS MEXICANA. INLAND SITE WITH OPEN-WATER POND.

**Threat:** THREATENED BY GRAVEL MINING, AND POSSIBLE LAND CONVERSION.

**General:** FIVE NESTS (4 IN 1 TREE) WERE OBSERVED IN COTTONWOOD TREES WITH A TOTAL AT LEAST 4 JUVENILES PRESENT ON 4 JUN 2008.

**Owner/Manager:** PVT

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. 59

Map Index: 11348

EO Index: 25458

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1974-02-XX

Origin: Natural/Native occurrence

Site: 1974-02-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1989-08-10

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.57712° / -121.46245°

Township: 08N

UTM: Zone-10 N4270972 E633931

Range: 05E

Mapping Precision: NON-SPECIFIC

Section: 5 Qtr: XX

Symbol Type: POINT

Meridian: M

Radius: 1/5 mile

Elevation: 25 ft

Location: VICINITY OF MCKINLEY PARK, SW OF CALIFORNIA STATE EXPOSITION, SACRAMENTO .

Location Detail:

Ecological:

Threat:

General: SEVERAL COLONIES OBSERVED IN GROUND BURROWS IN 1974; NESTING WAS SUCCESSFUL.

Owner/Manager: UNKNOWN



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. 60

Map Index: 11437

EO Index: 25460

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: None

Element: 1974-02-XX

Origin: Natural/Native occurrence

Site: 2000-10-19

Presence: Extirpated

Trend: Decreasing

Record Last Updated: 2003-05-07

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.57270° / -121.41573°

**Township:** 08N

**UTM:** Zone-10 N4270550 E638009

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 03

**Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1/10 mile

**Elevation:** 25 ft

**Location:** IMMEDIATELY SW OF THE JUNCTION OF HOWE AVE & FAIR OAKS BLVD, SACRAMENTO.

**Location Detail:**

**Ecological:** THE SITE IS NOW COMPLETELY DEVELOPED WITH OFFICE BUILDINGS, LANDSCAPING AND MANICURED LAWNS. THERE IS NO REMAINING HABITAT FOR BURROWING OWLS.

**Threat:**

**General:** SEVERAL COLONIES OBSERVED IN GROUND BURROWS DURING 1974; NESTING WAS SUCCESSFUL.

**Owner/Manager:** UNKNOWN

Athene cucularia		
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. 61	Map Index: 11424	EO Index: 25459	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1974-02-XX
Origin: Natural/Native occurrence			Site: 1974-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-05-07

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.55960° / -121.42387°	Township: 08N
UTM: Zone-10 N4269084 E637326	Range: 05E
Mapping Precision: NON-SPECIFIC	Section: 10 Qtr: XX
Symbol Type: POLYGON	Meridian: M
Area:	Elevation: 20 ft

Location: SACRAMENTO STATE COLLEGE & ADJACENT LEVEE AREAS ALONG THE AMERICAN RIVER, SACRAMENTO.

Location Detail: LEVEE BURROWS WERE ON THE WEST SIDE OF THE LEVEE ON THE WEST BANK OF THE AMERICAN RIVER.

**Ecological:**

**Threat:**

General: "LARGE NUMBERS" OBSERVED ALONG THE LEVEE IN LATE 1960'S & EARLY 1970'S. 14 NESTING COLONIES OBSERVED IN GROUND BURROWS ON THE UNIVERSITY IN 1974; MOST NESTING WAS UNSUCCESSFUL.

Owner/Manager: CSU-SACRAMENTO, UNKNOWN

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. 127

Map Index: 20688

EO Index: 9327

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Good

Element: 2003-XX-XX

Origin: Natural/Native occurrence

Site: 2003-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2003-12-03

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51679° / -121.40308°

**Township:** 08N

**UTM:** Zone-10 N4264365 E639219

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 26 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 40 ft

**Location:** VICINITY OF THE B. T. COLLINS USAR CENTER, JUST SE OF THE JUNCTION OF FRUITRIDGE ROAD AND POWER INN ROAD, SACRAMENTO

**Location Detail:** MOST BURROWS ARE LOCATED ALONG BERMS EDGING THE PERIPHERY OF THE ARMY DEPOT.

**Ecological:** HABITAT CONSISTS OF ARTIFICIAL BERMS AND LEVEES PLANTED IN INTRODUCED GRASSLAND.

**Threat:** THREATENED BY POTENTIAL CLOSURE OF ARMY DEPOT AND CONVERSION TO DEVELOPMENT.

**General:** 1990: AT LEAST 6 NESTING BURROWS SCATTERED OVER THIS SITE, WITH AT LEAST 14 INDIVIDUAL BIRDS PRESENT. 4 ADULTS OBSERVED AT A BURROW SITE ON 7 MAR 2003. 11 ACTIVE BURROWS OBSERVED DURING A 2003 STUDY. BOTH ADULTS AND JUVENILES OBSERVED.

**Owner/Manager:** PVT, DOD-SACRAMENTO ARMY DEPOT

**Athene cucularia**

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.** 467

**Map Index:** 48312

**EO Index:** 48312

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Fair

**Element:** 2002-06-28

**Origin:** Natural/Native occurrence

**Site:** 2002-06-28

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2002-07-18

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51921° / -121.49841°

**Township:** 08N

**UTM:** Zone-10 N4264493 E630903

**Range:** 04E

**Mapping Precision:** SPECIFIC

**Section:** 25 **Qtr:** NW

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 15 ft

**Location:** SACRAMENTO; NORTHWEST CORNER OF SACRAMENTO EXECUTIVE AIRPORT.

**Location Detail:** 60 FT NORTH OF CDF&G HANGER.

**Ecological:** HABITAT CONSISTS OF FIELD WITH AVENA FATUA, LOLIUM MULTIFLORUM AND YELLOW STAR THISTLE. SUBSTRATE: SAN JOAQUIN SILT LOAM. 0% SLOPE. SURROUNDING LAND CONSISTS OF AN AIRPORT.

**Threat:** FREQUENTLY MOWED FIELD. PROPOSED FOR DEVELOPMENT IN 2002.

**General:** 5 ADULTS OBSERVED USING AREA FOR BREEDING ON 28 JUN 2002.

**Owner/Manager:** SAC COUNTY, CITY OF SACRAMENTO

**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.** 488

**Map Index:** 48664

**EO Index:** 48664

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1974-02-XX

**Origin:** Natural/Native occurrence

**Site:** 1974-02-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2003-05-07

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.57733° / -121.43523°

**Township:** 08N

**UTM:** Zone-10 N4271035 E636302

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 04

**Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 25 ft

**Location:** VICINITY OF ELVAS & 51ST STREET, SACRAMENTO .

**Location Detail:**

**Ecological:**

**Threat:**

**General:** 2 BURROWS OBSERVED IN AREA DURING 1974 NEST SURVEY.

**Owner/Manager:** UNKNOWN

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. 569

Map Index: 51256

EO Index: 51256

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1901-05-08

Origin: Natural/Native occurrence

Site: 1901-05-08

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2004-02-17

**Quad Summary:** Rio Linda (3812164/512B), Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.62254° / -121.42968°

**Township:** 09N

**UTM:** Zone-10 N4276060 E636699

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 21 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1 mile

**Elevation:** 45 ft

**Location:** HAGGINWOOD. VICINITY OF ARCADE CREEK, BUSINESS I-80 AND HAGGIN OAKS GOLF COURSE.

**Location Detail:** COLLECTION FROM "HAGGIN'S RANCH, 5 MILES NORTH OF SACRAMENTO". THIS IS NOW THE HAGGINWOOD NEIGHBORHOOD OF SACRAMENTO.

**Ecological:**

**Threat:**

**General:** MVZ EGG SET #893 COLLECTED 8 MAY 1901 BY R. H. ELLIOTT

**Owner/Manager:** UNKNOWN

**Branchinecta lynchi**

vernal pool fairy shrimp

**Element Code:** ICBRA03030

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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.** 32

**Map Index:** 31558

**EO Index:** 6893

----- **Dates Last Seen** -----

**Occ Rank:** Fair

**Element:** 1995-02-08

**Origin:** Natural/Native occurrence

**Site:** 1995-04-21

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1995-08-25

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51137° / -121.39697°

**Township:** 08N

**UTM:** Zone-10 N4263773 E639762

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 26 **Qtr:** SE

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 40 ft

**Location:** FORMER SACRAMENTO ARMY DEPOT. B.T. COLLINS ARMY RESERVE TRAINING CENTER.

**Location Detail:** FOUND ONLY IN SEASONAL WETLAND IN THE IMMEDIATE VICINITY OF THE RUNNING TRACK.

**Ecological:** 53 PONDED WATER AREAS SAMPLED EVERY 2 WEEKS BETWEEN 12/19/95 & 4/21/95. AREAS SURVEYED INCLUDED SEASONAL WETLANDS, SHALLOW SWALES, TIRE TRACKS, PONDED AREAS IN RUNNING TRACK & BASEBALL DIAMOND, FIELD & ROADSIDE DRAINAGE DITCHES.

**Threat:**

**General:** BRACHINECTA LYNCHI FOUND IN ONLY 3 OF 53 SITES. FOUND ONLY BETWEEN 1/31/95 & 2/8/95. 2 POOLS HAD POP. EST. <50, 1 POOL >50. ALSO FOUND LINDERIELLA OCCIDENTALIS; 11 ADULTS COLLECTED AND DEPOSITED IN CAS; MORE POOL INFO IN REPORT.

**Owner/Manager:** DOD-BT COLLINS RESERVE TR CNTR

**Branchinecta lynchi**

vernal pool fairy shrimp

**Element Code:** ICBRA03030

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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.** 35                      **Map Index:** 32443                      **EO Index:** 637                      --- **Dates Last Seen** ---  
**Occ Rank:** Unknown                      **Element:** 1995-01-05  
**Origin:** Natural/Native occurrence                      **Site:** 1995-01-05  
**Presence:** Presumed Extant  
**Trend:** Unknown                      **Record Last Updated:** 1996-03-11

**Quad Summary:** Carmichael (3812153/512D), Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.50564° / -121.37821°                      **Township:** 08N  
**UTM:** Zone-10 N4263165 E641409                      **Range:** 05E  
**Mapping Precision:** NON-SPECIFIC                      **Section:** 36                      **Qtr:** NE  
**Symbol Type:** POLYGON                      **Meridian:** M  
**Area:**                      **Elevation:** 40 ft

**Location:** 1.2 KM ESE OF ELDER CREEK ROAD X FLORIN PERKINS ROAD; SE OF THE FORMER SACRAMENTO ARMY DEPOT.

**Location Detail:** ELDER CREEK PROPERTY. BRANCHINECTA LYNCHI WERE FOUND IN TWO OF 90 SAMPLED WETLANDS.

**Ecological:** HARDPAN VERNAL POOL IN ANNUAL GRASSLAND.

**Threat:** RURAL AGRICULTURE; URBAN DEVELOPMENT OCCURRING IN VICINITY.

**General:** POOL #46: 12/21/1994: >50 ADULTS OBSERVED, 1/5/1995: <50 ADULTS OBSERVED, 3 SPECIMENS COLLECTED AND DEPOSITED IN CAS; POOL #51: 12/21/94: >50 ADULTS OBSERVED, 1/5/95: >50 ADULTS

**Owner/Manager:** PVT-PIPE TRADES TRUST FUND



**Branchinecta lynchi**

vernal pool fairy shrimp

**Element Code:** ICBRA03030

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Threatened  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

\_\_\_\_\_ **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.** 122

**Map Index:** 33380

**EO Index:** 28755

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Poor

**Element:** 1996-03-10

**Origin:** Natural/Native occurrence

**Site:** 1996-03-10

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.53209° / -121.39920°

**Township:** 08N

**UTM:** Zone-10 N4266068 E639528

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 23 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** M

**Area:** 6.3 acres

**Elevation:** 40 ft

**Location:** ALONG THE CENTRAL CALIFORNIA TRACTION COMPANY (RAILROAD) RIGHT-OF-WAY, AT THE NORTH END OF 83RD STREET, SACRAMENTO.

**Location Detail:** LOCATED IN A SERIES OF PONDED DEPRESSIONS ALONG THE RAILROAD RIGHT-OF-WAY. B. LYNCHI FOUND IN 5 OF 27 SAMPLED DEPRESSIONS.

**Ecological:** HABITAT CONSISTS OF PONDED DEPRESSIONS; OTHER RARE SPECIES FOUND INCLUDE BRANCHINECTA MESOVALLENSIS (UNDESCRIBED) AND LINDERIELLA OCCIDENTALIS.

**Threat:** CONSTANT DISTURBANCE BY RAILROAD TRUCKS AND OTHERS DRIVING THROUGH POOLED AREAS. ALSO TIRES AND DEBRIS IN POOLED AREAS.

**General:** >50 INDIVIDUALS OBSERVED IN FIVE OF THE DEPRESSIONS DURING SURVEYS CONDUCTED FROM 6 FEBRUARY TO 10 MARCH 1996.

**Owner/Manager:** PVT

**Branchinecta lynchi**

vernal pool fairy shrimp

**Element Code:** ICBRA03030

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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.** 131

**Map Index:** 34791

**EO Index:** 12989

----- **Dates Last Seen** -----

**Occ Rank:** Unknown

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Unknown

**Element:** 1992-04-03

**Site:** 1992-04-03

**Record Last Updated:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51058° / -121.40219°

**UTM:** Zone-10 N4263677 E639309

**Mapping Precision:** SPECIFIC

**Symbol Type:** POINT

**Radius:** 80 meters

**Township:** 08N

**Range:** 05E

**Section:** 26 **Qtr:** SW

**Meridian:** M

**Elevation:** 40 ft

**Location:** RAILROAD DITCH AT 47TH AVENUE (ELDER CREEK RD) AND SPTRR, NEAR POWER INN ROAD; NEAR SW CORNER OF SACRAMENTO ARMY DEPOT.

**Location Detail:** SPTRR IS SOUTHERN PACIFIC TRACTION RR, WHICH RUNS SE FROM CORNER OF 65TH ST & HWY 50.

**Ecological:** RAILROAD DITCH.

**Threat:**

**General:** KOFORD OBSERVED B. LYNCHI IN DITCH DURING SURVEY IN SPRING OF 1992; LINDERIELLA OCCIDENTALIS AND LEPIDURUS PACKARDI ALSO OBSERVED.

**Owner/Manager:** PVT-SPRR

**Branchinecta lynchi**

vernal pool fairy shrimp

**Element Code:** ICBRA03030

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Unknown

**Element:** 1992-04-03

**Site:** 1992-04-03

**Record Last Updated:** 1998-08-10

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

**County Summary:** Sacramento

**Lat/Long:** 38.51048° / -121.39984°

**UTM:** Zone-10 N4263669 E639514

**Mapping Precision:** SPECIFIC

**Symbol Type:** POLYGON

**Area:** 1,513.2 acres

**Township:** 08N

**Range:** 05E

**Section:** 35 **Qtr:** XX

**Meridian:** M

**Elevation:** 35 ft

**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.

**Threat:**

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

**Owner/Manager:** UNKNOWN

<b>Buteo swainsoni</b>		
Swainson's hawk		<b>Element Code:</b> ABNKC19070
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>Global:</b> G5	<b>CDFG Status:</b>
<b>State:</b> Threatened	<b>State:</b> S2	
<b>Habitat Associations</b>		
<b>General:</b> BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH		
<b>Micro:</b> REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.		

<b>Occurrence No.</b> 931	<b>Map Index:</b> 45347	<b>EO Index:</b> 45347	<b>— Dates Last Seen —</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2001-04-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2001-04-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2001-05-15

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.61009° / -121.49006°	<b>Township:</b> 09N
<b>UTM:</b> Zone-10 N4274590 E631466	<b>Range:</b> 04E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 25 <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b> 20 ft

**Location:** ALONG NATOMAS EAST MAIN DRAIN, JUST NORTH OF THE GARDEN HIGHWAY, 0.5 MILE EAST OF TRUXEL, SACRAMENTO

**Location Detail:**

**Ecological:** NEST TREE IS A COTTONWOOD, LOCATED WITHIN RIPARIAN ALONG THE NATOMAS EAST MAIN DRAIN; SURROUNDED BY AN URBAN AREA ADJACENT TO THE GARDEN HIGHWAY TO THE NORTH AND A RECREATIONAL AREA ALONG THE JEDIDIAH SMITH BIKE TRAIL TO THE SOUTH.

**Threat:** POSSIBLE THREAT FROM HUMAN USE OF THE NEARBY RECREATIONAL AREA.

**General:** ON 20 APR 2001, THE MALE WAS OBSERVED PERCHED IN A COTTONWOOD, 100 FEET EAST OF THE NEST TREE; FEMALE WAS OBSERVED SITTING ON THE NEST.

**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.** 1645

**Map Index:** 65482

**EO Index:** 65561

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Good

**Element:** 2005-05-15

**Origin:** Natural/Native occurrence

**Site:** 2005-05-15

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2006-07-31

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.60529° / -121.49429°

**Township:** 09N

**UTM:** Zone-10 N4274052 E631106

**Range:** 04E

**Mapping Precision:** SPECIFIC

**Section:** 25 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:**

**Location:** BETWEEN NATOMAS EAST MAIN DRAIN AND THE LOWER AMERICAN RIVER, 0.7 MILE EAST OF I-5, DISCOVERY PARK, SACRAMENTO

**Location Detail:** NEST SITE IS LOCATED WITHIN A 23-MILE EXPANSE OF RIPARIAN PROTECTED BY THE AMERICAN RIVER PARKWAY. ~15 ACRES OF GRASSLAND FORAGING HABITAT IN THE VICINITY TO BE RESTORED TO RIPARIAN FOREST TO MITIGATE FOR VALLEY ELDERBERRY LONGHORN BEETLE.

**Ecological:** NEST TREE WAS A FREMONT COTTONWOOD WITHIN A LARGE STAND OF COTTONWOODS NEAR THE LOWER AMERICAN RIVER (RT BANK).

**Threat:** THREATENED BY LONG-TERM LOSS OF LARGE NEST TREES (FIRE, SENESCENCE, & BANK EROSION) & LACK OF NATURAL TREE REGENERATION.

**General:** NEST WITH 2 ADULTS OBSERVED ON 15 MAY 2005.

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

**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.** 1646

**Map Index:** 65488

**EO Index:** 65567

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Good

**Element:** 2006-06-06

**Origin:** Natural/Native occurrence

**Site:** 2006-06-06

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2006-07-31

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.56181° / -121.39861°

**Township:** 08N

**UTM:** Zone-10 N4269368 E639522

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 11 **Qtr:** NE

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 25 ft

**Location:** AMERICAN RIVER, 0.6 MILE UPSTREAM OF THE HOWE AVENUE BRIDGE, SACRAMENTO

**Location Detail:** NEST SITE IS LOCATED WITHIN A 23-MILE EXPANSE OF RIPARIAN PROTECTED BY THE AMERICAN RIVER PARKWAY. NEST TREE IS SITUATED AWAY FROM ACTIVE RECREATION USES, AND THERE IS NO ACCESS TO THIS SITE EXCEPT BY BOAT.

**Ecological:** NEST TREE WAS A FREMONT COTTONWOOD WITHIN A SMALL STAND OF COTTONWOODS ON A MID-CHANNEL ISLAND IN THE AMERICAN RIVER (LEFT BANK). SURROUNDING VEGETATION CONSISTS OF ARROYO WILLOW, YELLOW WILLOW, NARROW-LEAFED WILLOW, OREGON ASH, & SYCAMORE.

**Threat:** THREATENED BY LONG-TERM LOSS OF LARGE NEST TREES (FIRE, SENESCENCE, & BANK EROSION) & LACK OF NATURAL TREE REGENERATION.

**General:** 2 ADULTS OBSERVED NESTING ON 6 JUN 2006.

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

**Desmocerus californicus dimorphus**

valley elderberry longhorn beetle

**Element Code:** IICOL48011

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened  
**State:** None

**Global:** G3T2  
**State:** S2

**CDFG Status:**

----- **Habitat Associations** -----

**General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

**Micro:** PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

**Occurrence No.** 6

**Map Index:** 11337

**EO Index:** 22744

----- **Dates Last Seen** -----

**Occ Rank:** Unknown

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Decreasing

**Element:** 1984-06-XX

**Site:** 1984-06-XX

**Record Last Updated:** 1998-09-08

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.59819° / -121.46807°

**UTM:** Zone-10 N4273301 E633403

**Mapping Precision:** SPECIFIC

**Symbol Type:** POLYGON

**Area:** 27.2 acres

**Township:** 09N

**Range:** 05E

**Section:** 30 **Qtr:** SE

**Meridian:** M

**Elevation:** 25 ft

**Location:** JUST SOUTH OF HIGHWAY 160 AT DEL PASO BLVD, JOHNSON INDUSTRIAL PARK.

**Location Detail:** SACRAMENTO ZONE - JOHNSON INDUSTRIAL PARK CRITICAL HABITAT.

**Ecological:** LARVAE ARE BORERS; ADULTS FEED ON FOLIAGE.

**Threat:**

**General:** ADULTS OBSERVED BY ARNOLD IN 1984.

**Owner/Manager:** PVT

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** Threatened **Global:** G3T2 **CDFG Status:**  
**State:** None **State:** S2

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

**Occurrence No. 7** **Map Index:** 11410 **EO Index:** 22742 **— Dates Last Seen —**  
**Occ Rank:** Unknown **Element:** 1984-06-XX  
**Origin:** Natural/Native occurrence **Site:** 1984-06-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1998-07-15

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.58184° / -121.42968° **Township:** 08N  
**UTM:** Zone-10 N4271543 E636777 **Range:** 05E  
**Mapping Precision:** NON-SPECIFIC **Section:** 4 **Qtr:** XX  
**Symbol Type:** POINT **Meridian:** M  
**Radius:** 1/5 mile **Elevation:** 25 ft

**Location:** SOUTH BANK AMERICAN RIVER WEST OF GLEN HALL PARK (ACROSS FROM CAL EXPO), RIVER MILE 5.

**Location Detail:**

**Ecological:** HABITAT IS A NARROW RIPARIAN BAND.

**Threat:**

**General:** OBSERVED ON A STEM OF A LARGE (1.0-1.5 CM DIAMETER) ELDERBERRY SHRUB. FEMALE SPECIMEN HELD FOR TWO DAYS; IT ATE ELDERBERRY LEAVES, LAID 10 EGGS, THEN WAS RELEASED AT CAPTURE SITE. ADULTS WERE ALSO OBSERVED BY ARNOLD IN 1984.

**Owner/Manager:** UNKNOWN



Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----  
**Federal:** Threatened **Global:** G3T2 **CDFG Status:**  
**State:** None **State:** S2

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

**Occurrence No.** 8 **Map Index:** 11398 **EO Index:** 22739 **----- Dates Last Seen -----**  
**Occ Rank:** Unknown **Element:** XXXX-XX-XX  
**Origin:** Natural/Native occurrence **Site:** 1984-06-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1998-07-15

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.58768° / -121.43495° **Township:** 09N  
**UTM:** Zone-10 N4272184 E636307 **Range:** 05E  
**Mapping Precision:** NON-SPECIFIC **Section:** 33 **Qtr:** XX  
**Symbol Type:** POINT **Meridian:** M  
**Radius:** 1/5 mile **Elevation:** 20 ft

**Location:** BUSHY LAKE, NEAR CAL EXPO.

**Location Detail:**

**Ecological:** LARVAE ARE ELDERBERRY STEM BORERS AND ADULTS FEED ON ELDERBERRY FOLIAGE.

**Threat:**

**General:** COLLECTIONS KNOWN FROM THIS AREA. NO ADULTS OR FRESH EXIT HOLES OBSERVED IN 1984.

**Owner/Manager:** PVT

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

----- Status ----- NDDB Element Ranks ----- Other Lists -----

Federal: Threatened

Global: G3T2

CDFG Status:

State: None

State: S2

----- Habitat Associations -----

**General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

**Micro:** PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 9

Map Index: 11343

EO Index: 22740

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1984-06-00

Origin: Natural/Native occurrence

Site: 1984-06-00

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-07-14

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.58961° / -121.46495°

**Township:** 09N

**UTM:** Zone-10 N4272354 E633690

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 32 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1/5 mile

**Elevation:** 10 ft

**Location:** AMERICAN RIVER FLOODPLAIN 22 ACRE PARCEL BETWEEN RAILROAD TRACK OVERPASSES (BTWN I-80 & HWY 160).

**Location Detail:** ADULTS OBSERVED ON "STRESSED" ELDERBERRIES IN RIPARIAN VEGETATION ALONG THE AMERICAN RIVER.

**Ecological:**

**Threat:**

**General:** NORTH SACRAMENTO LAND COMPANY PROPERTY.

**Owner/Manager:** PVT

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

----- Status ----- NDDB Element Ranks ----- Other Lists -----

Federal: Threatened

Global: G3T2

CDFG Status:

State: None

State: S2

----- Habitat Associations -----

General: OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

Micro: PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 10

Map Index: 11431

EO Index: 22741

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1984-06-00

Origin: Natural/Native occurrence

Site: 1984-06-00

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-07-14

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.58101° / -121.41885°

Township: 09N

UTM: Zone-10 N4271467 E637721

Range: 05E

Mapping Precision: NON-SPECIFIC

Section: 3 Qtr: XX

Symbol Type: POINT

Meridian: M

Radius: 1/5 mile

Elevation: 10 ft

Location: BETWEEN MILEAGE MARKERS 6 & 7 ON AMERICAN RIVER PARKWAY BIKE TRAIL.

Location Detail: ADULTS OBSERVED BY ARNOLD ON "STRESSED" ELDERBERRIES IN RIPARIAN VEGETATION ALONG THE AMERICAN RIVER.

Ecological:

Threat:

General:

Owner/Manager: UNKNOWN

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Threatened

**Global:** G3T2

**CDFG Status:**

**State:** None

**State:** S2

----- **Habitat Associations** -----

**General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

**Micro:** PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

**Occurrence No.** 11

**Map Index:** 11316

**EO Index:** 12887

----- **Dates Last Seen** -----

**Occ Rank:** Unknown

**Element:** 1984-06-00

**Origin:** Natural/Native occurrence

**Site:** 1984-06-00

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1998-07-14

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.60461° / -121.47634°

**Township:** 09N

**UTM:** Zone-10 N4274002 E632670

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 30 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1/5 mile

**Elevation:** 10 ft

**Location:** JUNCTION OF GARDEN HIGHWAY AND NORTHGATE BLVD.

**Location Detail:** 10 ACRE PARCEL, REFERRED TO AS THE NORTHGATE TRIANGLE.

**Ecological:** MOST BEETLES FOUND ON "STRESSED" ELDERBERRIES.

**Threat:**

**General:** ADULTS OBSERVED BY ARNOLD.

**Owner/Manager:** UNKNOWN

Elanus leucurus

white-tailed kite

Element Code: ABNKC06010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status:

State: None

State: S3

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

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

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

Occurrence No. 98

Map Index: 65932

EO Index: 66011

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1974-02-XX

Origin: Natural/Native occurrence

Site: 1974-02-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-08-30

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.59279° / -121.47055°

**Township:** 09N

**UTM:** Zone-10 N4272699 E633196

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 31 **Qtr:** NE

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1/10 mile

**Elevation:** 30 ft

**Location:** NORTH SIDE OF THE AMERICAN RIVER, ABOUT 0.3 MI SE OF HWY 160 OVERPASS OVER THE AMERICAN RIVER.

**Location Detail:** NEST LOCATED IN COTTONWOOD.

**Ecological:** RIPARIAN HABITAT MAINLY OF FREMONT COTTONWOOD AND WILLOW (SALIX SPP.) THICKETS WHICH LINE RIVER BANKS.

**Threat:**

**General:** 2 YOUNG FLEDGED.

**Owner/Manager:** UNKNOWN

Elanus leucurus

white-tailed kite

Element Code: ABNKC06010

----- Status ----- NDDB Element Ranks ----- Other Lists -----

Federal: None

Global: G5

CDFG Status:

State: None

State: S3

----- Habitat Associations -----

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

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

Occurrence No. 108

Map Index: 65943

EO Index: 66022

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1988-05-03

Origin: Natural/Native occurrence

Site: 1988-05-03

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-08-31

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.58158° / -121.42503°

Township: 08N

UTM: Zone-10 N4271522 E637182

Range: 05E

Mapping Precision: NON-SPECIFIC

Section: 03 Qtr: XX

Symbol Type: POLYGON

Meridian: M

Area:

Elevation: 25 ft

Location: PARADISE BEACH ON THE AMERICAN RIVER AT THE END OF CARLSON DRIVE, SACRAMENTO.

Location Detail: UNKNOWN WHERE WITHIN THE PARADISE BEACH AREA THE BIRDS WERE NESTING SO THE ENTIRE AREA IS MAPPED.

Ecological:

Threat:

General: 1 PAIR OBSERVED NESTING FROM 30 APR TO 3 MAY 1988.

Owner/Manager: UNKNOWN

Elderberry Savanna

Element Code: CTT63440CA

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None  
State: None

Global: G2  
State: S2.1

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

General:  
Micro:

Occurrence No. 2

Map Index: 11371

EO Index: 15253

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1987-XX-XX  
Site: 1987-XX-XX

Record Last Updated: 1998-07-23

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.59206° / -121.44612°

UTM: Zone-10 N4272653 E635326

Mapping Precision: SPECIFIC

Symbol Type: POLYGON

Area: 51.3 acres

Township: 09N

Range: 05E

Section: 32 Qtr: XX

Meridian: M

Elevation: 25 ft

Location: CAL EXPO, ON AMERICAN RIVER FLOODPLAIN FROM S.P. RR TRACKS EAST TO JUST BEYOND HWY 80.

Location Detail: BOUNDARY GENERALIZED FROM MANAGEMENT PLAN TO INCLUDE MOST ELDERBERRY BUSHES IN THIS PORTION OF CAL EXPO.

Ecological: SAMBUCUS MEXICANA, CENTAUREA SOLSTITIALIS, ELYMUS TRITICHOIDES, BROMUS DIANDRUS, FOENICULUM VULGARE.

Threat:

General: LEASED BY SACRAMENTO COUNTY PARKS & RECREATION DEPT MANAGEMENT PLAN EMPHASIZES PRESERVATION & RESTORATION. THIS WAS OCC #002 OF CTT63440CCA.

Owner/Manager: STATE (SAC COUNTY LEASE)

Elderberry Savanna

Element Code: CTT63440CA

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None  
 State: None

Global: G2  
 State: S2.1

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

General:  
 Micro:

Occurrence No. 3                      Map Index: 11402                      EO Index: 15252                      — Dates Last Seen —  
 Occ Rank: Unknown                      Element: 1987-XX-XX  
 Origin: Natural/Native occurrence                      Site: 1987-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown                      Record Last Updated: 1998-07-23

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.58433° / -121.43294°                      Township: 09N  
 UTM: Zone-10 N4271815 E636488                      Range: 05E  
 Mapping Precision: SPECIFIC                      Section: 33                      Qtr: S  
 Symbol Type: POLYGON                      Meridian: M  
 Area: 79.9 acres                      Elevation: 35 ft

Location: CAL EXPO, ON AMERICAN RIVER FLOODPLAIN, SOUTH & SOUTHEAST OF BUSHY LAKE.

Location Detail: BOUNDARY GENERALIZED FROM MANAGEMENT PLAN TO INCL MOST ELDERBERRY BUSHES IN THIS PORTION OF CAL EXPO.

Ecological: SAMBUCUS MEXICANA, CENTAUREA SOLSTITIALIS, ELYMUS TRITICOIDES, BROMUS DIANDRUS, FOENICULUM VULGARE.

Threat:

General: LEASED FROM STATE BY SAC COUNTY PARKS & REC DEPT. MGMT PLAN EMPHASIZES PRESERVATION & RESTORATION. THIS WAS OCC #003 OF CTT63440CA.

Owner/Manager: STATE (SAC COUNTY LEASE)



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. 14

Map Index: 32443

EO Index: 638

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 1995-03-31

Origin: Natural/Native occurrence

Site: 1995-03-31

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-03-06

**Quad Summary:** Carmichael (3812153/512D), Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.50564° / -121.37821°

**Township:** 08N

**UTM:** Zone-10 N4263165 E641409

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 36

**Qtr:** NE

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 40 ft

**Location:** 1.2 KM ESE OF ELDER CREEK ROAD X FLORIN PERKINS ROAD; SE OF THE FORMER SACRAMENTO ARMY DEPOT.

**Location Detail:** ELDER CREEK PROPERTY. LEPIDURUS PACKARDI WERE FOUND IN 10 OF 90 SAMPLED WETLANDS.

**Ecological:** HARDPAN VERNAL POOLS IN ANNUAL GRASSLAND.

**Threat:** RURAL AGRICULTURE; URBAN DEVELOPMENT OCCURRING IN VICINITY.

**General:** POOL #86: 2/21/1995: <50 ADULTS OBSERVED, 3/31/1995: <50 ADULTS OBSERVED; POOLS #21,43,46: <50 ADULTS OBSERVED; POOLS #38,41,44,45,50,53: >50 ADULTS OBSERVED; 4 ADULTS DEPOSITED IN CAS.

**Owner/Manager:** PVT-PIPE TRADES TRUST FUND

**Lepidurus packardi**

vernal pool tadpole shrimp

**Element Code:** ICBRA10010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

\_\_\_\_\_ **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.** 66

**Map Index:** 34791

**EO Index:** 13036

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Unknown

**Element:** 1992-04-03

**Site:** 1992-04-03

**Record Last Updated:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51058° / -121.40219°

**UTM:** Zone-10 N4263677 E639309

**Mapping Precision:** SPECIFIC

**Symbol Type:** POINT

**Radius:** 80 meters

**Township:** 08N

**Range:** 05E

**Section:** 26 **Qtr:** SW

**Meridian:** M

**Elevation:** 40 ft

**Location:** RAILROAD DITCH AT 47TH AVENUE (ELDER CREEK RD) & SPTRR, NEAR POWER INN ROAD; NEAR SW CORNER OF SACRAMENTO ARMY DEPOT.

**Location Detail:** SPTRR IS SOUTHERN PACIFIC TRACTION RR, WHICH RUNS SE FROM CORNER OF 65TH ST AND HWY 50.

**Ecological:** RAILROAD DITCH.

**Threat:**

**General:** KOFORD OBSERVED TADPOLE SHRIMP DURING SURVEY IN SPRING OF 1992; BRANCHINECTA LYNCHI AND LINDERIELLA OCCIDENTALIS ALSO OBSERVED.

**Owner/Manager:** PVT-SPRR

**Lepidurus packardi**

vernal pool tadpole shrimp

**Element Code:** ICBRA10010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

\_\_\_\_\_ **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.** 67

**Map Index:** 34792

**EO Index:** 13094

\_\_\_\_\_ **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:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.52498° / -121.40725°

**Township:** 08N

**UTM:** Zone-10 N4265267 E638840

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 26 **Qtr:** NW

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 35 ft

**Location:** FRUITRIDGE ROAD X SPTRR, NEAR POWER INN ROAD; NEAR NORTHWEST CORNER OF SACRAMENTO ARMY DEPOT.

**Location Detail:** SPTRR IS SOUTHERN PACIFIC TRACTION RR, WHICH RUNS SE FROM CORNER OF 65TH ST & HWY 50.

**Ecological:** TURBID POOL.

**Threat:**

**General:** TADPOLE SHRIMP OBSERVED BY E.J. KOFORD DURING SURVEY IN SPRING OF 1992; LINDERIELLA OCCIDENTALIS ALSO PRESENT.

**Owner/Manager:** PVT-SPRR

**Lepidurus packardi**

vernal pool tadpole shrimp

**Element Code:** ICBRA10010

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Endangered  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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.** 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

**Mapping Precision:** NON-SPECIFIC

**Section:** 31 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 3/5 mile

**Elevation:** 15 ft

**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.

**Threat:**

**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

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

**Federal:** Endangered  
**State:** None

**Global:** G3  
**State:** S2S3

**CDFG Status:**

----- **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.** 93

**Map Index:** 33692

**EO Index:** 30610

----- **Dates Last Seen** -----

**Occ Rank:** Unknown

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Unknown

**Element:** 1992-04-03

**Site:** 1992-04-03

**Record Last Updated:** 1998-08-10

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

**County Summary:** Sacramento

**Lat/Long:** 38.51048° / -121.39984°

**UTM:** Zone-10 N4263669 E639514

**Mapping Precision:** SPECIFIC

**Symbol Type:** POLYGON

**Area:** 1,513.2 acres

**Township:** 08N

**Range:** 05E

**Section:** 35 **Qtr:** XX

**Meridian:** M

**Elevation:** 35 ft

**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.

**Threat:**

**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

**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.** 49

**Map Index:** 31558

**EO Index:** 22317

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Fair

**Element:** 1995-02-14

**Origin:** Natural/Native occurrence

**Site:** 1995-04-21

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1995-10-02

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.51137° / -121.39697°

**Township:** 08N

**UTM:** Zone-10 N4263773 E639762

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 26 **Qtr:** SE

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 40 ft

**Location:** FORMER SACRAMENTO ARMY DEPOT. B.T. COLLINS ARMY RESERVE TRAINING CENTER

**Location Detail:** FOUND ONLY IN SEASONAL WETLAND INSIDE THE OVAL OF AND ADJACENT TO THE RUNNING TRACK

**Ecological:** 53 PONDED WATER AREAS SAMPLED EVERY 2 WEEKS BETWEEN 12/19/94 & 4/21/95. AREAS SURVEYED INCLUDED SEASONAL WETLANDS, SHALLOW SWALES, TIRE TRACKS, PONDED AREAS IN RUNNING TRACK & BASEBALL DIAMOND, & FIELD & ROADSIDE DRAINAGE DITCHES.

**Threat:**

**General:** LINDERIELLA OCCIDENTALIS WAS FOUND IN 6 OF THE 53 SITES FROM 1/31/95 TO 2/14/95; 31 ADULTS COLLECTED AND DEPOSITED IN CAS;. 3 OF THE 6 POOLS ALSO HAD BRACHINECTA LYNCHI; MORE POOL INFO IN REPORT.

**Owner/Manager:** DOD-BT COLLINS RESERVE TR CNTR

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 UNFLOWED 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. 118

Map Index: 32443

EO Index: 636

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1995-03-31

Origin: Natural/Native occurrence

Site: 1995-03-31

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-03-06

**Quad Summary:** Carmichael (3812153/512D), Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.50564° / -121.37821°

**Township:** 08N

**UTM:** Zone-10 N4263165 E641409

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 36 **Qtr:** NE

**Symbol Type:** POLYGON

**Meridian:** M

**Area:**

**Elevation:** 40 ft

**Location:** 1.2 KM ESE OF ELDER CREEK ROAD X FLORIN PERKINS ROAD; SE OF THE FORMER SACRAMENTO ARMY DEPOT.

**Location Detail:** ELDER CREEK PROPERTY. LINDERIELLA OCCIDENTALIS WERE FOUND IN 2 OF 90 SAMPLED WETLANDS.

**Ecological:** HARDPAN VERNAL POOLS IN ANNUAL GRASSLAND.

**Threat:** RURAL AGRICULTURE; URBAN DEVELOPMENT OCCURRING IN VICINITY.

**General:** POOLS #46 & 50: 2/21/95: >50 ADULTS OBSERVED. POOL #50: 3/31/95: <50 ADULTS OBSERVED.

**Owner/Manager:** PVT-PIPE TRADES TRUST FUND

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 UNFLOWED 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. 124

Map Index: 34791

EO Index: 12939

----- 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: 1996-08-05

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.51058° / -121.40219°

Township: 08N

UTM: Zone-10 N4263677 E639309

Range: 05E

Mapping Precision: SPECIFIC

Section: 26 Qtr: SW

Symbol Type: POINT

Meridian: M

Radius: 80 meters

Elevation: 40 ft

Location: RAILROAD DITCH AT 47TH AVENUE (ELDER CREEK RD) & SPTRR, NEAR POWER INN ROAD; NEAR SW CORNER OF SACRAMENTO ARMY DEPOT.

Location Detail: SPTRR IS SOUTHERN PACIFIC TRACTION RR, WHICH RUNS SE FROM THE CORNER OF 65TH ST & HWY 50.

Ecological: RAILROAD DITCH.

Threat:

General: KOFORD OBSERVED LINDERIELLA DURING SURVEY IN SPRING OF 1992; BRANCHINECTA LYNCHI AND LEPIDURUS PACKARDI ALSO OBSERVED.

Owner/Manager: PVT-SPRR



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 UNFLOWED 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.** 125

**Map Index:** 34792

**EO Index:** 13153

\_\_\_\_\_ **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:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.52498° / -121.40725°

**Township:** 08N

**UTM:** Zone-10 N4265267 E638840

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 26 **Qtr:** NW

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 35 ft

**Location:** FRUITRIDGE ROAD X SPTRR, NEAR POWER INN ROAD; NEAR NORTHWEST CORNER OF SACRAMENTO ARMY DEPOT.

**Location Detail:** SPTRR IS SOUTHERN PACIFIC TRACTION RR, WHICH RUNS SE FROM CORNER OF 65TH STREET AND HWY 50.

**Ecological:** TURBID POOL.

**Threat:**

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

**Owner/Manager:** PVT-SPRR

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 UNFLOWED 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.** 126

**Map Index:** 34793

**EO Index:** 12914

\_\_\_\_\_ **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:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.52515° / -121.38497°

**Township:** 08N

**UTM:** Zone-10 N4265320 E640782

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 25 **Qtr:** NW

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 40 ft

**Location:** FRUITRIDGE ROAD X CENTRAL CALIFORNIA TRACTION (RR), NEAR FLORIN-PERKINS ROAD; NEAR NE CORNER OF SACRAMENTO ARMY DEPOT.

**Location Detail:**

**Ecological:** CLEAR POOL WITH DETRITUS.

**Threat:**

**General:** LINDERIELLA OBSERVED BY KOFORD DURING SURVEY IN SPRING OF 1992.

**Owner/Manager:** PVT-CENTRAL CALIFORNIA TRR

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.** 149

**Map Index:** 28182

**EO Index:** 29286

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Poor

**Element:** 1996-03-10

**Origin:** Natural/Native occurrence

**Site:** 1996-03-10

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-08-05

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.53154° / -121.39537°

**Township:** 08N

**UTM:** Zone-10 N4266013 E639863

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 23 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** M

**Area:** 38.7 acres

**Elevation:** 40 ft

**Location:** ALONG THE CENTRAL CALIFORNIA TRACTION COMPANY (RR) RIGHT-OF-WAY, FROM THE NORTH END OF 83RD ST TO FLORIN PERKINS RD.

**Location Detail:** LOCATED IN A SERIES OF PONDED DEPRESSIONS ALONG THE RAILROAD RIGHT-OF-WAY. LINDERIELLA FOUND IN 12 OF 27 SAMPLED DEPRESSIONS.

**Ecological:** HABITAT CONSISTS OF PONDED DEPRESSIONS. BRANCHINECTA MESOVALLENSIS (UNDESCRIBED) AND B. LYNCHI ALSO FOUND IN THIS AREA.

**Threat:** CONSTANT DISTURBANCE FROM RAILROAD TRUCKS & OTHERS DRIVING THROUGH POOLED AREAS. ALSO TIRES & DEBRIS IN POOLED AREAS.

**General:** SURVEYS CONDUCTED FROM 6 FEBRUARY TO 10 MARCH 1996.

**Owner/Manager:** PVT

Progne subis		Element Code: ABPAU01010
purple martin		
_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.		
Micro: NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.		

Occurrence No. 17	Map Index: 54694	EO Index: 54694	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2003-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-03-12

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.62273° / -121.42273°	Township: 09N
UTM: Zone-10 N4276092 E637304	Range: 05E
Mapping Precision: SPECIFIC	Section: 22      Qtr: NW
Symbol Type: POINT	Meridian: M
Radius: 80 meters	Elevation: 50 ft

**Location:** MARCONI AVENUE OVERPASS OF AUBURN BOULEVARD & UNION PACIFIC & SACRAMENTO LIGHT RAIL TRACKS, SACRAMENTO.

**Location Detail:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Ecological:** NEW BREEDING LOCATION IN 2003; HIGH NUMBER OF SECOND YEAR MALES OBSERVED, WHICH IS CONSISTENT WITH TYPICAL PIONEERING BEHAVIOR OF SECOND YEAR BIRDS.

**Threat:**

**General:** SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 1 PAIR OBSERVED NESTING.

**Owner/Manager:** UNKNOWN

Progne subis		
purple martin	Element Code: ABPAU01010	
_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.		
Micro: NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.		

Occurrence No. 18	Map Index: 54696	EO Index: 54696	— Dates Last Seen —
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2003-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-03-12

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.61095° / -121.43559°	Township: 09N
UTM: Zone-10 N4274765 E636207	Range: 05E
Mapping Precision: SPECIFIC	Section: 28 Qtr: NE
Symbol Type: POINT	Meridian: M
Radius: 80 meters	Elevation: 45 ft

Location: EL CAMINO OVERPASS OF UNION PACIFIC AND LIGHT RAIL TRACKS, SACRAMENTO.

Location Detail: SITE FIRST DOCUMENTED IN 2003 BUT ASSUMED TO HAVE BEEN OCCUPIED IN PRIOR YEARS BASED ON THE PRESENCE OF OVER 90% OF PAIRS WITH ASY MALES.

Ecological: BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

Threat:

General: SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 15 PAIRS OBSERVED NESTING.

Owner/Manager: UNKNOWN

Progne subis		Element Code: ABPAU01010	
purple martin			
_____ Status _____		_____ NDDB Element Ranks _____	
Federal: None		Global: G5	
State: None		State: S3	
_____ Other Lists _____		_____ CDFG Status: SC _____	
_____ Habitat Associations _____			
General: INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.			
Micro: NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.			

Occurrence No. 19	Map Index: 54697	EO Index: 54697	— Dates Last Seen —
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2003-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-03-12

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.55083° / -121.42235°	Township: 08N
UTM: Zone-10 N4268114 E637474	Range: 05E
Mapping Precision: SPECIFIC	Section: 15 Qtr: NW
Symbol Type: POLYGON	Meridian: M
Area: 10.5 acres	Elevation: 40 ft

**Location:** HWY 50 AT REDDING ROAD & UNION PACIFIC & LIGHT RAIL TRACKS, BETWEEN 65TH STREET AND HOWE AVENUE, SACRAMENTO.

**Location Detail:** NEW SITE IN 2003; HIGH NUMBER OF SECOND YEAR MALES OBSERVED, WHICH IS CONSISTENT WITH TYPICAL PIONEERING BEHAVIOR OF SECOND YEAR BIRDS.

**Ecological:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Threat:**

**General:** SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 3 PAIRS OBSERVED NESTING.

**Owner/Manager:** CALTRANS

Progne subis		Element Code: ABPAU01010	
purple martin			
<b>Status</b>		<b>NDDB Element Ranks</b>	
<b>Federal:</b> None	<b>Global:</b> G5	<b>Other Lists</b>	
<b>State:</b> None	<b>State:</b> S3	<b>CDFG Status:</b> SC	
<b>Habitat Associations</b>			
<b>General:</b> INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.			
<b>Micro:</b> NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.			

<b>Occurrence No.</b> 20	<b>Map Index:</b> 54698	<b>EO Index:</b> 54698	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2003-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2003-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2007-11-01

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.56037° / -121.46510°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4269109 E633731	<b>Range:</b> 05E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 07 <b>Qtr:</b> E
<b>Symbol Type:</b> POLYGON	<b>Meridian:</b> M
<b>Area:</b> 17.1 acres	<b>Elevation:</b> 25 ft

**Location:** HIGHWAY 50 FROM 34TH STREET TO STOCKTON BOULEVARD, SACRAMENTO.

**Location Detail:** 35TH STREET SITE.

**Ecological:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Threat:**

**General:** ESTIMATED 30 ADULTS IN 1992. EST. 34 ADULTS IN 1993. EST. 36 ADULTS IN 1994. EST. 41 ADULTS IN 1995. EST. 34 ADULTS IN 1996. SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 19 PAIRS OBSERVED NESTING.

**Owner/Manager:** CALTRANS

Progne subis		Element Code: ABPAU01010	
purple martin			
<b>Status</b>		<b>NDDB Element Ranks</b>	
<b>Federal:</b> None	<b>Global:</b> G5	<b>Other Lists</b>	
<b>State:</b> None	<b>State:</b> S3	<b>CDFG Status:</b> SC	
<b>Habitat Associations</b>			
<b>General:</b> INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.			
<b>Micro:</b> NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.			

<b>Occurrence No.</b> 21	<b>Map Index:</b> 54699	<b>EO Index:</b> 54699	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2003-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2003-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2007-11-01

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.56385° / -121.47122°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4269487 E633191	<b>Range:</b> 05E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 07 <b>Qtr:</b> N
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b> 26 ft

**Location:** CAPITAL CITY FREEWAY (BUSINESS I-80), BETWEEN "R" AND "S" STREETS, SACRAMENTO.

**Location Detail:**

**Ecological:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Threat:**

**General:** SITE WAS SURVEYED IN 1992, BUT NO MARTINS WERE FOUND. 14 ADULTS ESTIMATED IN 2002. SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 14 PAIRS OBSERVED NESTING.

**Owner/Manager:** CALTRANS



Progne subis		Element Code: ABPAU01010	
purple martin			
_____ Status _____		_____ NDDB Element Ranks _____	
Federal: None		Global: G5	
State: None		State: S3	
_____ Other Lists _____		_____ CDFG Status: SC _____	
_____ Habitat Associations _____			
General: INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.			
Micro: NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.			

Occurrence No. 22	Map Index: 54700	EO Index: 54700	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2003-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-11-01

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.55769° / -121.47405°	Township: 08N
UTM: Zone-10 N4268799 E632956	Range: 05E
Mapping Precision: NON-SPECIFIC	Section: 07 Qtr: S
Symbol Type: POINT	Meridian: M
Radius: 1/10 mile	Elevation: 27 ft

Location: EASTBOUND HWY 50 OFFRAMP TO SOUTHBOUND HWY 99 AND NORTHBOUND HWY 99 OFFRAMP TO EASTBOUND HWY 50, SACRAMENTO

Location Detail: BROADWAY SITE.

Ecological: BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

Threat:

General: ESTIMATED 14 ADULTS IN 1992. ESTIMATED 10 ADULTS IN 1993. ESTIMATED 4 ADULTS IN 1994. ESTIMATED 3 ADULTS IN 1995. ESTIMATED 8 ADULTS IN 2002. SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 7 PAIRS OBSERVED NESTING.

Owner/Manager: CALTRANS

Progne subis		Element Code: ABPAU01010
purple martin		
_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.		
Micro: NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.		

Occurrence No. 23	Map Index: 54701	EO Index: 54701	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2003-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-11-01

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.53948° / -121.48432°	Township: 08N
UTM: Zone-10 N4266763 E632094	Range: 04E
Mapping Precision: SPECIFIC	Section: 13 Qtr: SE
Symbol Type: POINT	Meridian: M
Radius: 80 meters	Elevation: 27 ft

Location: SUTTERVILLE ROAD OVER THE UNION PACIFIC RAIL YARD, WEST OF HIGHWAY 99, SACRAMENTO.

**Location Detail:**

**Ecological:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Threat:**

**General:** SITE WAS SURVEYED IN 1992, BUT NO MARTINS FOUND. 4 ADULTS ESTIMATED IN 2002. SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 6 PAIRS OBSERVED NESTING.

**Owner/Manager:** UNKNOWN

Progne subis

purple martin

Element Code: ABPAU01010

----- Status ----- NDDB Element Ranks ----- Other Lists -----

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S3

----- Habitat Associations -----

**General:** INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.

**Micro:** NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.

Occurrence No. 24

Map Index: 54702

EO Index: 54702

----- Dates Last Seen -----

Occ Rank: Unknown

Element: 2003-XX-XX

Origin: Natural/Native occurrence

Site: 2003-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2007-11-01

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.56215° / -121.48743°

**Township:** 08N

**UTM:** Zone-10 N4269274 E631782

**Range:** 04E

**Mapping Precision:** SPECIFIC

**Section:** 12 **Qtr:** NE

**Symbol Type:** POLYGON

**Meridian:** M

**Area:** 14.5 acres

**Elevation:** 23 ft

**Location:** HWY 50 BETWEEN 18TH AND 20TH STREETS, SACRAMENTO.

**Location Detail:**

**Ecological:** BIRDS ARE NESTING IN WEEP HOLES IN FREEWAY & STREET OVERPASSES. WEEP HOLES ARE VERTICAL HOLES CONSTRUCTED INTO THE UNDERSIDE OF SOME HOLLOW BOX GIRDER ELEVATED FREEWAYS, OVERPASSES & BRIDGES TO RELIEVE AIR PRESSURE & DRAIN CONDENSATION.

**Threat:**

**General:** 38 PAIRS ESTIMATED IN 1992. 48 PAIRS ESTIMATED IN 1993. 39 PAIRS ESTIMATED IN 1994. 40 PAIRS ESTIMATED IN 1995. 14 PAIRS ESTIMATED IN 2002. SITES MONITORED EVERY 4-8 DAYS FROM MID-MAY TO EARLY AUG 2003; 21 PAIRS OBSERVED NESTING.

**Owner/Manager:** CALTRANS

Riparia riparia

bank swallow

Element Code: ABPAU08010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status:

State: Threatened

State: S2S3

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

General: COLONIAL NESTER; NESTS PRIMARILY IN RIPARIAN AND OTHER LOWLAND HABITATS WEST OF THE DESERT.

Micro: REQUIRES VERTICAL BANKS/CLIFFS WITH FINE-TEXTURED/SANDY SOILS NEAR STREAMS, RIVERS, LAKES, OCEAN TO DIG NESTING HOLE.

Occurrence No. 94

Map Index: 11372

EO Index: 12978

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1986-XX-XX

Origin: Natural/Native occurrence

Site: 1986-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-10-28

Quad Summary: Sacramento East (3812154/512C)

County Summary: Sacramento

Lat/Long: 38.58441° / -121.44342°

Township: 09N

UTM: Zone-10 N4271808 E635575

Range: 05E

Mapping Precision: NON-SPECIFIC

Section: 33 Qtr: SE

Symbol Type: POLYGON

Meridian: M

Area:

Elevation: 30 ft

Location: SOUTH SIDE OF AMERICAN RIVER UPSTREAM FROM CAL EXPO, NEAR BUSINESS 80 BRIDGE.

Location Detail:

Ecological:

Threat:

General: 42 BURROWS WITH 30 BIRDS ESTIMATED BY RON SCHLORFF; VISIBLE FROM THE BUSINESS 80 BRIDGE.

Owner/Manager: SAC COUNTY

**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.** 26

**Map Index:** 24524

**EO Index:** 12899

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Excellent

**Element:** 1993-07-22

**Origin:** Natural/Native occurrence

**Site:** 1993-07-22

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1995-11-14

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.59505° / -121.45680°

**Township:** 09N

**UTM:** Zone-10 N4272969 E634390

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 68

**Qtr:** N

**Symbol Type:** POLYGON

**Meridian:** M

**Area:** 47.0 acres

**Elevation:** 20 ft

**Location:** SLOUGH ALONG NORTH SIDE OF THE AMERICAN RIVER, BETWEEN SOUTHERN PACIFIC RR TRACKS AND THE PUMPING STATION, SACRAMENTO.

**Location Detail:** NEXT TO AMERICAN RIVER BIKE TRAIL, FROM SPRR TRACKS WEST APPROX. 1 KM (0.7 MI).

**Ecological:** SLOUGHS WITH MUDDY SHORES. ASSOCIATES INCLUDE PASPALUM, SETARIA, SALIX, AND TYPHA. MOSTLY GROWING OFFSHORE IN APPROX. 6" OF WATER WITH NO SURROUNDING VEGETATION.

**Threat:**

**General:** 50+ COLONIES OBSERVED IN SEVERAL DISCONTINUOUS SLOUGHS. SITE IS WITHIN THE AMERICAN RIVER PARKWAY COUNTY PARK, COUNTY SHOULD BE MADE AWARE OF THE PLANT'S PRESENCE.

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

<b>Sagittaria sanfordii</b>		
Sanford's arrowhead		<b>Element Code:</b> PMALI040Q0
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>Global:</b> G3	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S3.2	
<b>Habitat Associations</b>		
<b>General:</b> MARSHES AND SWAMPS.		
<b>Micro:</b> IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.		

<b>Occurrence No.</b> 27	<b>Map Index:</b> 24521	<b>EO Index:</b> 12983	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2005-07-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-07-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-10-03

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.55401° / -121.42282°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4268465 E637427	<b>Range:</b> 05E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 15 <b>Qtr:</b> NW
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b> 35 ft

**Location:** SMALL CHANNEL JUST SOUTH OF CSU, SACRAMENTO FOOTBALL FIELD.

**Location Detail:** SOUTH OF STADIUM, BETWEEN ROAD AND PARKING LOT APPROX. 100' EAST OF CULVERT.

**Ecological:** GRASSY DRAINAGE CHANNEL DOMINATED BY ECHINOCHLOA CRUSGALI WITH CYPERUS AND POLYGONUM.

**Threat:** SITE IS SUBJECTED TO OCCASIONAL MOWING AND POSSIBLE HERBICIDE APPLICATION.

**General:** SMALL APPROX. 1 SQ FT COLONY. COMPETITION WITH GRASSES ETC. MAY BE IMPACTING POPULATION. MORE THAN 100 PLANTS SEEN IN 2005; POPULATION APPEARS TO HAVE EXPANDED IN THIS AREA.

**Owner/Manager:** CSU-SACRAMENTO

**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.** 28

**Map Index:** 24522

**EO Index:** 12962

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** None

**Element:** 1993-10-23

**Origin:** Natural/Native occurrence

**Site:** 2005-06-04

**Presence:** Possibly Extirpated

**Trend:** Decreasing

**Record Last Updated:** 2009-02-11

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.55834° / -121.41403°

**Township:** 08N

**UTM:** Zone-10 N4268959 E638185

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 10 **Qtr:** SE

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 20 ft

**Location:** DEPRESSION ALONG THE SOUTH SIDE OF THE AMERICAN RIVER, APPROX. 400M WEST OF HOWE AVE, SACRAMENTO.

**Location Detail:** BETWEEN THE RIVER AND LEVEE, BEHIND AN APARTMENT COMPLEX AND NEAR THE WATER TREATMENT PLANT.

**Ecological:** GROWING IN A LOW, PERENNIAL WET, DEPRESSION. LUDWIGIA PEPLOIDES IS MAJOR ASSOCIATE.

**Threat:** SITE IS ADJACENT TO AMERICAN RIVER BIKE TRAIL & MAY BE SUBJECT TO TRAMPLING.

**General:** 1 COLONY OBSERVED IN 1992. SITE IS WITHIN THE AMERICAN RIVER PARKWAY. HUDDLESTON DID NOT OBSERVE PLANTS IN 2005. DENSE SHRUB GROWTH PRESENT THROUGHOUT THE AREA. MAY BE EXTIRPATED.

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

<b>Sagittaria sanfordii</b>		
Sanford's arrowhead		<b>Element Code:</b> PMALI040Q0
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>Global:</b> G3	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S3.2	
<b>Habitat Associations</b>		
<b>General:</b> MARSHES AND SWAMPS.		
<b>Micro:</b> IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.		

<b>Occurrence No.</b> 29	<b>Map Index:</b> 24523	<b>EO Index:</b> 12937	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1992-10-23
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1992-10-23
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-11-14

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.56284° / -121.39303°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4269490 E640006	<b>Range:</b> 06E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 11 <b>Qtr:</b> E
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b> 20 ft

**Location:** DRAINAGE INTO THE AMERICAN RIVER, BETWEEN LEVEE AND RIVER JUST WEST OF POWER LINES (WEST OF WATT), SACRAMENTO.

**Location Detail:**

**Ecological:** ALONG SILTY-CLAYEY BANK OF PERENIALLY WET DRAINAGE CHANNEL. ASSOCIATES INCLUDE LUDWEGIA PEPLOIDES, POLYGONUM PERSICARIA, CYPERUS. SAGITTARIA APPEARS TO BE GROWING WITHOUT MUCH COMPETITION FROM ITS ASSOCIATES.

**Threat:** PROXIMITY TO BIKE TRAIL MAY RESULT IN OCCASIONAL TRAMPLING.

**General:** 1 COLONY OBSERVED IN 1992. SITE IS WITHIN THE AMERICAN RIVER PARKWAY.

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



**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.** 44

**Map Index:** 30075

**EO Index:** 20718

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** None

**Element:** 1993-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 2005-06-04

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Record Last Updated:** 2005-10-03

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.56188° / -121.42061°

**Township:** 08N

**UTM:** Zone-10 N4269342 E637605

**Range:** 05E

**Mapping Precision:** SPECIFIC

**Section:** 10 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 80 meters

**Elevation:** 20 ft

**Location:** AMERICAN RIVER AT THE GUY WEST BRIDGE, CSUS SIDE OF THE RIVER, SACRAMENTO.

**Location Detail:**

**Ecological:**

**Threat:** LEVEE MAINTENANCE.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL; ECOLOGICAL AND THREAT INFO NEEDED. SITE IS WITHIN THE LOWER AMERICAN RIVER PARKWAY COUNTY PARK. HUDDLESTON VISITED SITE IN 2005 AND DID NOT OBSERVE PLANTS.

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

<b>Sagittaria sanfordii</b>		
Sanford's arrowhead		<b>Element Code:</b> PMALI040Q0
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>Global:</b> G3	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S3.2	
<b>Habitat Associations</b>		
<b>General:</b> MARSHES AND SWAMPS.		
<b>Micro:</b> IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.		

<b>Occurrence No.</b> 45	<b>Map Index:</b> 30076	<b>EO Index:</b> 14446	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1994-05-29
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1994-05-29
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-11-14

**Quad Summary:** Sacramento East (3812154/512C), Carmichael (3812153/512D)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.56822° / -121.37668°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4270112 E641420	<b>Range:</b> 05E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 1 <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b> 15 ft

**Location:** AMERICAN RIVER UPSTREAM FROM WATT AVE, NORTH SIDE OF THE RIVER, SACRAMENTO.

**Location Detail:** LOCATED ABOUT 0.3 MILE EAST OF WATT AVE, AT RIVER MILE 9.7. SITE IS DOWNSTREAM FROM WHERE STORM BASIN DRAINS INTO RIVER (BASIN IS JUST EAST OF THE TEICHERT COMPLEX).

**Ecological:** BARE, SANDY SHORE OF RIVER IN LESS THAN 6" OF WATER. NO OTHER VEGETATION NEARBY. BANK VEGETATION CONSISTS OF SALIX, RUBUS, ET AL.

**Threat:** PLANTS APPEAR TO HAVE BEEN GRAZED/BROWSED (MUSKRAT/BEAVER/DEER/???), MAY BE TRAMPLED BY RECREATIONAL USERS.

**General:** 10 PLANTS OBSERVED IN 1994. SITE IS WITHIN THE LOWER AMERICAN RIVER PARKWAY COUNTY PARK.

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

<b>Sagittaria sanfordii</b>		
Sanford's arrowhead		<b>Element Code:</b> PMALI040Q0
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>Global:</b> G3	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S3.2	
<b>Habitat Associations</b>		
<b>General:</b> MARSHES AND SWAMPS.		
<b>Micro:</b> IN STANDING OR SLOW-MOVING FRESHWATER PONDS, MARSHES, AND DITCHES. 0-610M.		

<b>Occurrence No.</b> 66	<b>Map Index:</b> 70043	<b>EO Index:</b> 70897	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 2005-07-10
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2005-07-10
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2007-09-26

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

<b>Lat/Long:</b> 38.51991° / -121.49733°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N4264572 E630996	<b>Range:</b> 04E
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 25 <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> M
<b>Radius:</b> 80 meters	<b>Elevation:</b>

**Location:** ROADSIDE DITCH ON E SIDE OF FREEPORT BLVD, NW CORNER OF SACRAMENTO EXECUTIVE AIRPORT.  
**Location Detail:** ADJACENT TO AIRPORT PARKING LOT AND ROAD.  
**Ecological:** FRESHWATER MARSH. ALISMA PLANTAGO-AQUATICUM COMMON.  
**Threat:** DITCH CLEARING/MAINTENANCE AND PESTICIDE RUNOFF FROM ADJACENT LAWN ARE POTENTIAL THREATS.  
**General:** APPROX. 40 PLANTS OBSERVED IN 2005.  
**Owner/Manager:** SACRAMENTO EXECUTIVE AIRPORT

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. 304

Map Index: 57545

EO Index: 57561

\_\_\_\_\_ 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: 2004-10-21

**Quad Summary:** Sacramento East (3812154/512C)

**County Summary:** Sacramento

**Lat/Long:** 38.53222° / -121.40871°

**Township:** 08N

**UTM:** Zone-10 N4266069 E638699

**Range:** 05E

**Mapping Precision:** NON-SPECIFIC

**Section:** 23 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** M

**Radius:** 1 mile

**Elevation:** 40 ft

**Location:** POLK.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** 1 COLLECTED, USNM.

**Owner/Manager:** UNKNOWN