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To: Nick Pappani – Raney Planning and Management, Inc.  
From: Bruce D. Barnett, Ph.D. – Barnett Environmental  
Date: 6/14/2016  
Re: **Special-Status Plant Survey Update for the McKim Lincoln Meadows Project**

## INTRODUCTION

Monk & Associates' recommended in their April 20, 2016 peer review of the Barnett Environmental's (2/16/16) *Biological Resources Assessment of the Lincoln Meadows Project* that: "special-status plant surveys should be conducted on the project site this year to determine if any plant species emerge that may not have come up in past survey years. 2016 surveys would also bring the existing surveys into conformance with the CDFW's 2009 survey protocol requirement that: '*habitats, such as grasslands or desert plant communities that have annual and short-lived perennial plants as major floristic components may require yearly surveys to accurately document baseline conditions for purposes of impact assessment.*'"

Barnett Environmental has therefore updated ECORPS 2006 special-status plant survey for this approximately 40-acre McKim Lincoln Meadows Study Area (APN 021-231-018-000) north of Virginiatown Road and west side of Hungry Hollow Road in the City of Lincoln in Placer County, California (Figure 1). It includes portions of Sections 11 and 12 of Township 12 North, Range 6 East of the Lincoln, California 7.5-minute USGS quadrangle.

For the purpose of the report, special status plant species are those that fall into one or more of the following categories:

- Listed as endangered or threatened under the federal Endangered Species Act (or formally proposed for listing), Listed as endangered or threatened under the California Endangered Species Act (or proposed for listing),
- Designated a Species of Concern by the Sacramento District of the U.S. Fish and Wildlife Service,
- Designated as rare, protected, or fully protected pursuant to California Fish and Game Code,
- Designated a Species of Concern by the California Department of Fish and Game,
- Defined as rare or endangered under the California Environmental Quality Act (CEQA), or

- Occurring on List 1 or 2 maintained by the California Native Plant Society.

## METHODOLOGY

Before conducting the special-status plant field survey, we queried the California Department of Fish & Wildlife's online Natural Diversity Database (RareFind 5) for a list of special status plant species known to occur in the Lincoln USGS 7.5' quadrangle maps, reviewed lists of special status species in Placer County maintained by the U.S. Fish and Wildlife Service (USFWS 2015), as well as, the Status of Rare, Threatened, and Endangered Animal and Plants of California 2000-2004 by the California Department of Fish and Wildlife, and queried the California Native Plant Society's online Inventory of Rare & Endangered Plants in California (CNPS 2015).

Barnett biologists conducted the special status plant survey in accordance with the guidelines set by the U.S. Fish and Wildlife Service (USFWS 2000), California Department of Fish and Wildlife (CDFG 2009), and the California Native Plant Society (CNPC 2001). The survey was performed during the optimal blooming period for the listed special-status plant species with the potential to occur within the Study Area on April 30, 2016. During the survey, we traversed the entire Study Area on foot and recorded any observations of plant species and the suitability of habitat types on site and on immediately adjoining areas that may support special status plant species occurring in the surrounding region.

## RESULTS AND DISCUSSION

The property consists of gently rolling to nearly level terrain dominated by open grassland habitat. The dominant vegetative cover consists of annual grassland; a single valley oak (*Quercus lobata*) that occurs along the southern boundary, and tree and shrub cover consisting of a very small number of adventive species including black locust (*Robinia pseudoacacia*) and Himalayan blackberry (*Rubus armeniacus*). Embedded in the grassland habitat is a mosaic of wetland habitats consisting of numerous swales and depressional features that support vegetative assemblages strongly allied with vernal pool habitats. An irrigation ditch traverses the property along an approximate southwest-to-northeast axis. A complete list of vascular plant species observed during the April 2016 floristic survey is provided in Attachment A.

**General Habitat Description** – Annual grasslands are characterized by the presence of non-native annual and biennial grasses and broad-leaved plants that typically undergo frequent disturbance regimes (e.g., discing, grazing, spraying, grading, mowing); perennial plants are largely absent. Dominant non-native grasses observed on the property included medusahead (*Elymus caput-medusae*), soft chess (*Bromus hordeaceus*), rip-gut brome (*Bromus diandrus*), slender oat (*Avena barbata*) and hare barley (*Hordeum murinum* spp. *leporinum*). Dominant non-native broad-leaved plants observed included rose clover (*Trifolium hirtum*), hawkbit (*Leontodon saxatilis* ssp. *longirostris*), vetch (*Vicia* sp.), sheep sorrel (*Rumex acetosella*), smooth cat's-ear (*Hypochaeris glabra*) and filaree (*Erodium botrys*).

Commonly observed native forbs (i.e., wildflowers) included a number of monocots such as brodiaea (*Brodiaea* sp.), narrowleaf soap plant (*Chlorogalum angustifolium*), yellow mariposa lily (*Calochortus luteus*), blue dicks (*Dichlosteremma* spp.) and hyacinth brodiaea (*Triteleia hyacinthina*). Other native forbs observed included Spanish clover (*Acmispon americanus* var. *americanus*), royal larkspur (*Delphinium variegatum* ssp. *variegatum*), purple navarretia (*Navarretia pubescens*) and purple clarkia (*Clarkia purpurea*). The only native grass observed in moderate frequency and distribution throughout the annual grasslands was small fescue (*Festuca microstachys*).

There are a number of low-gradient swale features throughout the property that were largely dominated by various species of graminoids (i.e., grasses and grass-like plants) including medusahead, perennial rye grass (*Festuca perennis*), rattail fescue (*Festuca myuros*), little rattlesnake grass (*Briza minor*), Mediterranean barley (*Hordeum marinum* ssp. *gussoneanum*), annual bluegrass (*Poa annua*), common spikerush (*Eleocharis macrostachya*), leafybract dwarf rush (*Juncus capitatus*) and toad rush (*Juncus* sp.). Native and non-native broad-leaved plants included hawkbit, coyote-thistle (*Eryngium* sp.), Carter's buttercup (*Ranunculus bonariensis* var. *trisepalus*), hairy purslane speedwell (*Veronica peregrina* ssp. *halapensis*), white meadowfoam (*Limnanthes alba* spp. *alba*), little hop-clover (*Trifolium dubium*), English plantain (*Plantago lanceolata*) and various species of dock (*Rumex* sp.).

A number of vernal pools occur throughout the property. While the majority of them are shallow and pond water for only short periods during the rainy season, nearly all support vegetative assemblages that contain a number of hydrophytic species considered either endemic (i.e., restricted) or strongly allied to this habitat type. Hydrophytic graminoids observed included common spikerush, leafybract dwarf rush, toad rush, medusahead, Mediterranean barley, low manna grass (*Glyceria declinata*), silver hairgrass (*Aira caryophyllea*), and annual hairgrass (*Deschampsia danthanioides*); forbs observed included coyote-thistle, Carter's buttercup, white meadowfoam, hyssop loosestrife (*Lythrum hyssopifolia*), stalked popcornflower (*Plagiobothrys stipitatus* var. *micranthus*), whiteheaded navarretia (*Navarretia leucocephala* ssp. *leucocephala*), calicoflower (*Downingia* sp.), Fremont's goldfields (*Lasthenia fremontii*), woollyheads (*Psilocharpus* sp.), Sacramento mesamint (*Pogogyne zizyphoroides*), vernal pool Indian paintbrush (*Castilleja campestris* ssp. *campestris*), and bractless hedgehyssop (*Gratiola ebracteata*).

The irrigation ditch that traverses the property along an approximate southwest-to-northeast axis was largely devoid of aquatic vegetation and is likely periodically excavated for maintenance purposes. The dominant hydrophyte within the channel was a species of water plantain (*Alisma* sp.). Where subsurface leakage occurs, vegetation growing along the edges of the irrigation ditch supported stands of graminoids including common spikerush, various species of rush (*Juncus* sp.), perennial rye grass, barnyard grass (*Echinochloa crusgalli*), Bermuda grass (*Cynodon dactylon*) and annual beardgrass (*Polypogon monspeliensis*). Broad-leaved plants observed included curly dock (*Rumex crispus*).

**Rare Plant Survey Results** – We and ECORP (2006) determined that six (6) special status plant species – Boggs lake hedge-hyssop (*Gratiola heterosepala*), dwarf downingia (*Downingia pusilla*), Ahart's dwarf rush (*Juncus leiospermus* var. *ahartii*), big-scale balsamroot (*Balsamorhiza macrolepis*), pincushion navarretia (*Navarretia myersii* ssp. *myersii*), and legenere (*Legenere limosa*) – could potentially occur with the Study Area or vicinity (Attachment C). However, like ECORPS determinate-level special status species survey in 2006, no species-status plant species were observed within or adjacent to the Lincoln Meadows Study Area during our comprehensive protocol-level floristic survey conducted on April 30, 2016. The results concur with the CNDDDB and the CNPS research resulting in no previously documented occurrences of special-status plant species within or adjacent to the project site. According to the CNDDDB results, the nearest special status species occurrence is of the pincushion navarretia (*Navarretia myersii* ssp. *myersii*), located 1.3 miles west of the project area.

Attached to this memo, please find:

- Attachment A – Plant Species Observed on April 30, 2016
- Attachment B – Site Photos of Floristic Survey
- Attachment C – California Natural Diversity Database (CNDDDB) Report

## Attachment A

Project: Lincoln Property  
 Placer County, California  
 Date: 4/30/2016  
 Botanist: Christopher Bronny

Nomenclature follows The Jepson Manual, 2nd Ed., 2012

\*denotes naturalized species

Scientific Name	Common Name
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*Section - Eudicots*

**Alismataceae**

*Alisma (lanceolatum)\** Water plantain

**Apiaceae**

*Anthriscus caucalis\** Bur-chervil  
*Eryngium (vaseyi)* Coyote-thistle  
*Sanicula bipinnatifida* Purple sanicle

**Asteraceae**

*Baccharis pilularis* Coyote brush  
*Bidens frondosa* Devil's beggarticks  
*Carduus pycnocephalus\** Italian thistle  
*Centaurea solstitialis\** Yellow star-thistle  
*Centromadia* sp. (seedling) Tarweed  
*Dittrichia graveolens\** (dessicated stalks) Stinkweed  
*Grindelia camporum* Great Valley gumplant  
*Holocarpha virgata* ssp. *virgata* Pitgland tarweed  
*Hypochaeris glabra\** Smooth cat's-ear  
*Lactuca (serriola)\** Prickly lettuce  
*Lactuca (virosa)\** Wild lettuce  
*Lasthenia fremontii* Fremont's goldfields  
*Leontodon saxatilis* ssp. *longirostris\** Hawkbit  
*Logfia gallica \** Narrowleaf cottonrose  
*Micropis californicus* var. *californicus* Slender cottonweed  
*Psilocarphus brevissimus* var. *brevissimus* Woolly heads  
*Psilocarphus oregonus* Oregon woollyheads  
*Silybum marianum\** Milk thistle  
*Sonchus asper\** Prickly sow-thistle  
*Sonchus oleraceus \** Common sow-thistle

**Boraginaceae**

*Plagiobothrys greenei* Greene's popcornflower  
*Plagiobothrys (nothofulvus)* Rusty popcornflower  
*Plagiobothrys stipitatus* var. *micranthus* Stalked popcornflower

**Brassicaceae**

*Raphanus sativus\** Wild radish

**Campanulaceae**

*Downingia bicornuta* var. *bicornuta*

Doublehorn calicoflower

*Downingia ornatissima* var. *ornatissima*

Folded calicoflower

**Caryophyllaceae**

*Cerastium glomeratum*\*

Mouse-ear chickweed

*Petrorhagia dubia*\*

Hairypink

*Silene gallica*\*

Windmill pink

*Spergularia rubra*\*

Red sandspurry

**Fabaceae**

*Acmispon americanus* var. *americanus*

Spanish clover

*Acmispon* sp.

Lotus

*Lupinus bicolor*

Miniature lupine

*Medicago polymorpha*\*

California bur-clover

*Melilotus indicus*\*

Sour clover

*Robinia pseudoacacia*\*

Black locust

*Trifolium dubium*\*

Little hop-clover

*Trifolium hirtum*\*

Rose clover

*Vicia villosa* ssp. *villosa*\*

Hairy vetch

*Vicia sativa* ssp. *sativa*\*

Common vetch

**Fagaceae**

*Quercus lobata*

Valley oak

**Gentianaceae**

*Cicendia quadrangularis*

Oregon timwort

**Geraniaceae**

*Erodium botrys*\*

Filaree

*Geranium dissectum*\*

Cut-leaf geranium

**Hypericaceae**

*Hypericum perforatum*\*

Klamathweed

**Lamiaceae**

*Mentha pulegium*\*

Pennyroyal

*Pogogyne zizyphoroides*

Sacramento mesamint

*Trichostema lanceolatum*

Vinegarweed

**Limnanthaceae**

*Limnanthes alba* spp. *alba*

White meadowfoam

**Linaceae**

*Linum bienne*\*

Narrowleaf flax

**Lythraceae**

*Lythrum hyssopifolia*\*

Hyssop loosestrife

**Myrsinaceae***Anagallis arvensis*\*

Scarlet pimpernel

**Onagraceae***Clarkia purpurea*

Purple clarkia

*Epilobium brachycarpum*

Annual fireweed

*Epilobium cilatum*

Willow-herb

*Epilobium cleistogamum*

Selfing willowherb

**Orobanchaceae***Castilleja attenuata*

Valley tassels

*Castilleja campestris* ssp. *campestris*

Vernal pool Indian paintbrush

**Plantaginaceae***Gratiola ebracteata*

Bractless hedgehyssop

*Plantago erecta*

California plantain

*Plantago lanceolata*\*

English plantain

*Veronica peregrina* ssp. *halapensis*

Hairy purslane speedwell

**Polemoniaceae***Navarretia intertexta*

Needleleaf navarretia

*Navarretia leucocephala* ssp. *leucocephala*

Whiteheaded navarretia

*Navarretia pubescens*

Purple navarretia

**Polygonaceae***Eriogonum (nudum)*

Buckwheat

*Persicaria* sp.

Smartweed

*Polygonum aviculare* spp. *depressum*\*

Common knotweed

*Rumex acetosella*\*

Sheep sorrel

*Rumex crispus*\*

Curly dock

*Rumex pulcher* \*

Fiddle dock

**Ranunculaceae***Delphinium variegatum* ssp. *variegatum*

Royal larkspur

*Ranunculus bonariensis* var. *trisepalus*

Carter's buttercup

**Rosaceae***Rubus armeniacus*\*

Himalayan blackberry

**Rubiaceae***Galium aparine*

Common bedstraw

*Galium murale*\*

Tiny bedstraw

**Section - Monocots****Agavaceae***Chlorogalum angustifolium*

Narrowleaf soapplant

**Cyperaceae**

*Cyperus eragrostis*  
*Eleocharis macrostachya*

Tall flatsedge  
Common spikerush

### **Juncaceae**

*Juncus balticus* var. *ater*  
*Juncus bufonius* var. *bufonius*  
*Juncus bufonius* var. *occidentalis*  
*Juncus capitatus*\*  
*Juncus effusus* ssp. *pacificus*  
*Juncus patens*  
*Juncus uncialis*  
*Juncus xiphioides*

Baltic rush  
Toad rush  
Toad rush  
Leafybract dwarf rush  
Pacific rush  
Spreading rush  
Twelfth rush  
Iris-leaved rush

### **Juncaginaceae**

*Triglochin scilloides*

Flowering quillwort

### **Liliaceae**

*Calochortus luteus*

Yellow mariposa lily

### **Poaceae**

*Aira caryophylla*\*  
*Avena barbata*\*  
*Briza minor*\*  
*Bromus diandrus*\*  
*Bromus hordeaceus*\*  
*Cynodon dactylon*\*  
*Deschampsia danthanioides*  
*Echinochloa crus-galli*\*  
*Elymus caput-medusae*\*  
*Festuca myuros*\*  
*Festuca perennis*\*  
*Glyceria declinata*\*  
*Hordeum marinum* ssp. *gussoneanum*\*  
*Hordeum murinum* spp. *leporinum*\*  
*Poa annua*\*  
*Polypogon monspeliensis*\*  
*Stipa (pulchra)*

Silver hairgrass  
Wild oat  
Little rattlesnake grass  
Rip-gut brome  
Soft chess  
Bermuda grass  
Annual hairgrass  
Barnyard grass  
Medusahead  
Rattail fescue  
Perennial rye grass  
Low manna grass  
Mediterranean barley  
Hare barley  
Annual bluegrass  
Annual beardgrass  
Needlegrass

### **Themidaceae**

*Brodiaea coronaria*  
*Brodiaea elegans* spp. *elegans*  
*Brodiaea nana*  
*Dichlostemma capitatum* ssp. *capitatum*  
*Dichlostemma multiflorum*  
*Triteleia hyacinthina*

Garland brodiaea  
Harvest brodiaea  
Vernal pool brodiaea  
Blue dicks  
Wild hyacinth  
Hyacinth brodiaea



## Attachment B

## **SITE PHOTOGRAPHS**



1. Vernal pool, facing west towards residential development. The dominant plant in the center of the photograph is whiteheaded navarretia.



2. Photograph shows encroachment of medusahead into vernal pool where absence of grazing and soil compaction eventually leads to hydrogeomorphological degradation of feature.

**Barnett Environmental, Inc.**  
**Lincoln Property; April 2016**



3. Photograph shows representative upland grassland habitat, facing southwest towards east edge of Lincoln.



4. Photograph shows irrigation ditch that runs through approximate center of property, facing east.

**Barnett Environmental, Inc.**  
**Lincoln Property; April 2016**



5. Specimens of bractless hedgehyssop collected from vernal pool habitats on the property.



6. Photograph of whiteheaded navarretia.

**Barnett Environmental, Inc.**  
**Lincoln Property; April 2016**

## Attachment C



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Query Criteria:** County IS (Placer)  
 AND Quad IS (Gold Hill (3812182)  
 OR Lincoln (3812183))  
 AND Habitat IS (Valley & foothill grassland  
 OR Vernal pool  
 OR Wetland)

<b>Map Index Number:</b> 11633	<b>EO Index:</b> 25970
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ABNGA04010
<b>Occurrence Number:</b> 12	<b>Occurrence Last Updated:</b> 2005-03-03

<b>Scientific Name:</b> <i>Ardea herodias</i>	<b>Common Name:</b> great blue heron
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> CDF_S-Sensitive IUCN_LC-Least Concern
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G5	
<b>State:</b> S4	

<b>General Habitat:</b> COLONIAL NESTER IN TALL TREES, CLIFFSIDES, AND SEQUESTERED SPOTS ON MARSHES.	<b>Micro Habitat:</b> ROOKERY SITES IN CLOSE PROXIMITY TO FORAGING AREAS: MARSHES, LAKE MARGINS, TIDE-FLATS, RIVERS AND STREAMS, WET MEADOWS.
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<b>Last Date Observed:</b> 1971-06-16	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1971-06-16	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SOUTH BANK OF COON CREEK, ON THE CHAMBERLAIN RANCH, APPROXIMATELY 4 MILES NNW OF LINCOLN.

**Detailed Location:**  
COLONY IS LOCATED IN TWO GROUPS OF VALLEY OAKS, LOCATED APPROXIMATELY 150 YARDS APART. THIS AREA IS A DESIGNATED AUDUBON "AREA OF CRITICAL CONCERN."

**Ecological:**  
HABITAT CONSISTS OF VALLEY OAKS ALONG CREEK, SURROUNDED BY WHITE ALDER, OSAGE-ORANGE, WILLOW, ELDERBERRY, AND BLACKBERRY.

**Threats:**  
THREATS INCLUDE GRAZING AND OTHER RELATED RANCHING ACTIVITIES.

**General:**  
68 ACTIVE NESTS PRESENT IN 1970. 61 ACTIVE NESTS PRESENT IN 1971.

<b>PLSS:</b> T13N, R06E, Sec. 29, NE (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 17
<b>UTM:</b> Zone-10 N4313051 E645272	<b>Latitude/Longitude:</b> 38.95439 / -121.32345	<b>Elevation (feet):</b> 150

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

ALD80A0001	ALDRICH, E. ET AL. (SACRAMENTO AUDUBON) - SACRAMENTO AUDUBON SOCIETY, AREAS OF CRITICAL CONCERN AND PROPOSALS FOR THEIR PROTECTION. 1980-09-XX
WIL71R0001	WILBURN, J.W. - "LINCOLN GREAT BLUE HERON ROOKERY STUDY 1970-1971" (SPECIAL WILDLIFE INVESTIGATIONS PROJECT W-54-R) 1971-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 62632  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 1485

**EO Index:** 62669  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2005-09-21

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

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

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

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2003-07-01  
**Last Survey Date:** 2003-07-01  
**Owner/Manager:** UNKNOWN  
**Presence:** Presumed Extant

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

**Location:**  
 0.15 MILE NW OF THE INTERSECTION OF JOINER PARKWAY WITH NICOLAUS ROAD, NW LINCOLN.

**Detailed Location:**  
**Ecological:**  
 NEST TREE IS A VALLEY OAK; SURROUNDED BY RESIDENTIAL TO THE SE AND GRASSLAND IN ALL OTHER DIRECTIONS.

**Threats:**  
**General:**  
 ACTIVE NEST WITH 1 CHICK OBSERVED ON 1 JUL 2003.

<b>PLSS:</b> T12N, R06E, Sec. 09, SW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4306841 E646099	<b>Latitude/Longitude:</b> 38.89831 / -121.31524	<b>Elevation (feet):</b> 145

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 88289  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 2114

**EO Index:** 89300  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-03-15

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

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

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

**General Habitat:**

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

**Micro Habitat:**

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

**Last Date Observed:** 2009-04-22  
**Last Survey Date:** 2009-04-22  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**

ALONG COON CREEK ABOUT 1.2 MILES W OF GLADDING RD AT FLEMING RD AND 2.4 MILES E OF HWY 65 AT NADER LN, SE OF SHERIDAN.

**Detailed Location:**

MAPPED TO PROVIDED COORDINATES.

**Ecological:**

NEST IN LARGE VALLEY OAK IN RIPARIAN CORRIDOR DOMINATED BY VALLEY OAKS, WILLOWS, BLACK WALNUT, AND COTTONWOOD, WITH RANGELAND TO SOUTH. LIMITED CATTLE GRAZING CONDUCTED WITHIN RIPARIAN CORRIDOR (2009).

**Threats:**

**General:**

NESTING PAIR OBSERVED ON 22 APR 2009; NEST SUCCESS UNKNOWN. UP TO THREE SWAINSON'S HAWKS WERE OBSERVED AT OTHER LOCATIONS ALONG THE RIPARIAN CORRIDOR, PARTICULARLY TO THE WEST.

<b>PLSS:</b> T13N, R06E, Sec. 21, SW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4313821 E645920	<b>Latitude/Longitude:</b> 38.96121 / -121.31581	<b>Elevation (feet):</b> 140

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

BUM09F0001 BUMGARDNER, M. - FIELD SURVEY FORM FOR BUTEO SWAINSONI 2009-04-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 90039  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 2466

**EO Index:** 91053  
**Element Code:** ABNKC19070  
**Occurrence Last Updated:** 2013-08-14

**Scientific Name:** *Buteo swainsoni*

**Common Name:** Swainson's hawk

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

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

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

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

**Last Date Observed:** 2005-05-30  
**Last Survey Date:** 2005-05-30  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**  
 "NORTH POND" AT REDWING PRESERVE, ABOUT 1.4 MI SW OF RIOSA RD AT THOUSAND OAKS DR AND 2.6 MI SE OF THE SHERIDAN PO.

**Detailed Location:**  
 MAPPED TO LOCATION GIVEN IN 2004 REPORT. ALONG THE NORTH BORDER OF THE NORTH POND AT THE PRESERVE.

**Ecological:**  
 NEST IN GODDING WILLOW ON 1000-ACRE, GRASSLAND-DOMINATED PRESERVE.

**Threats:**  
**General:**  
 NESTING PAIR OBSERVED DURING SPECIAL-STATUS BIRD SURVEYS ON APRIL 30, 11 MAY, AND 30 MAY 2005. NO HAWKS OR SIGNS OF SUCCESSFUL NESTING OBSERVED ON 28 JUL 2005; NESTING OUTCOME UNCERTAIN.

<b>PLSS:</b> T13N, R06E, Sec. 20, NE (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4314428 E644706	<b>Latitude/Longitude:</b> 38.96688 / -121.32969	<b>Elevation (feet):</b> 130

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 WIL05R0001 WILLIAMS, B. & A. CHATFIELD - SPECIAL-STATUS BIRDS OF REDWING PRESERVE, SHERIDAN, PLACER COUNTY 2005-08-10



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



**Map Index Number:** 76058

**EO Index:** 77058

**Key Quad:** Gold Hill (3812182)

**Element Code:** ABNME03041

**Occurrence Number:** 210

**Occurrence Last Updated:** 2009-08-03

**Scientific Name:** *Laterallus jamaicensis coturniculus*

**Common Name:** California black rail

**Listing Status:** **Federal:** None

**Rare Plant Rank:**

**State:** Threatened

**Other Lists:** BLM\_S-Sensitive  
CDFW\_FP-Fully Protected  
IUCN\_NT-Near Threatened  
NABCI\_RWL-Red Watch List  
USFWS\_BCC-Birds of Conservation Concern

**CNDDB Element Ranks:** **Global:** G3G4T1

**State:** S1

**General Habitat:**

INHABITS FRESHWATER MARSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.

**Micro Habitat:**

NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DO NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.

**Last Date Observed:** 2005-04-11

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 2005-04-11

**Occurrence Rank:** Unknown

**Owner/Manager:** PVT

**Trend:** Unknown

**Presence:** Presumed Extant

**Location:**

VICINITY OF COON CREEK, ABOUT 1.9 MI EAST OF KILAGA SPRINGS & 2.9 MI WSW OF BIG HILL. SPEARS AND DIDION RANCH PARKS.

**Detailed Location:**

LOCATION DESCRIBED AS 200 M AT 265 DEGREES FROM WETLAND STATION #1, WITH COORDINATES PROVIDED FOR THE STATION. MAPPED TO A POINT ABOUT 200 M AT 265 DEGREES FROM THE STATION COORDINATES.

**Ecological:**

VALLEY-FOOTHILL RIPARIAN WETLAND HABITAT. VIRGINIA RAIL ALSO DETECTED FROM STATION #1.

**Threats:**

**General:**

1 INDIVIDUAL DETECTED AT 8:55 AM ON 11 APR 2005 DURING A RAIL PLAYBACK SURVEY.

**PLSS:** T13N, R07E, Sec. 17, SE (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4315381 E654893

**Latitude/Longitude:** 38.97373 / -121.21194

**Elevation (feet):** 480

**County Summary:**

**Quad Summary:**

Placer

Gold Hill (3812182)

**Sources:**

GAR07D0002 GARRISON, B.A. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - RAILS - SPEARS AND DIDION RANCHES, PLACER COUNTY, DFG BIOS DS310 2007-03-29



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



**Map Index Number:** 71650  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 1181

**EO Index:** 72551  
**Element Code:** ABNSB10010  
**Occurrence Last Updated:** 2008-07-07

**Scientific Name:** *Athene cunicularia*

**Common Name:** burrowing owl

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** G4  
                               **State:**     S3

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

**General Habitat:**  
 OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

**Micro Habitat:**  
 SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Last Date Observed:** 2008-04-29  
**Last Survey Date:** 2008-04-29  
**Owner/Manager:** PVT-PLACER LAND TRUST  
**Presence:** Presumed Extant

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

**Location:**  
 SWAINSONS PRESERVE, 0.43 MI SSE OF THE INTERSECTION OF WEST WISE RD. AND HWY 65.

**Detailed Location:**

**Ecological:**

HABITAT CONSISTS OF OPEN GRASSLAND; DOMINATED BY B. HORDEACEUS, V. BROMOIDES, T. CAPUT-MEDUSAE, H. GLABRA, AND H. MARINUM. VERNAL POOL COMPLEXES ARE ALSO LOCATED ON THE PROPERTY.

**Threats:**

THREATENED BY DOMESTIC PETS (PARTICULARLY HOUSE CATS), AND DEVELOPMENT OF SURROUNDING HABITAT.

**General:**

2 ADULTS OBSERVED AT BURROW SITE. THE NESTING SITE IS ~15 M FROM AN OLD CORRAL THAT IS STILL UTILIZED BY CATTLE. BUOW HAVE BEEN OBSERVED ON THIS PROPERTY FOR 30 YEARS BY THE CURRENT GRAZING CONTRACTOR. PROPERTY IS PROTECTED IN PERPETUITY.

<b>PLSS:</b> T12N, R06E, Sec. 05 (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4309314 E644479	<b>Latitude/Longitude:</b> 38.92085 / -121.33338	<b>Elevation (feet):</b> 130

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

VAG08F0001 VAGHTI, M. (PLACER LAND TRUST) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2008-04-29



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 11637  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 91

**EO Index:** 17332  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2016-01-29

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G2G3  
                                   **State:** S1S2

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                           CDFW\_SSC-Species of Special Concern  
                           IUCN\_EN-Endangered  
                           NABCI\_RWL-Red Watch List  
                           USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 1971-XX-XX  
**Last Survey Date:** 2011-04-16  
**Owner/Manager:** PVT  
**Presence:** Possibly Extirpated

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** None  
**Trend:** Unknown

**Location:**  
 ~1.7 MI ENE OF HWY 65 & COON CREEK INTERSECTION, 1.7 MI WNW OF MERRITT LN & GLADDING RD INTERSECTION, SW OF SHERIDAN.

**Detailed Location:**  
 PROVIDED LOCATION FOR 1971 OBSERVATION WAS "T13N, R06E, SEC 28, NW 1/4, SW 1/4." PONDS/MARSH AREAS TO THE E & W OF LOCATION; ALSO SURVEYED. COLONY DATA STORED IN UC DAVIS TRBL PORTAL; SITE NAME "CHAMBERLAIN RANCH."

**Ecological:**  
 CATTAILS AROUND MARSH CREATED BY WATERING PASTURE LANDS (1971). HIMALAYAN BLACKBERRY AND CATTAIL (1999). COLONY PRESUMED EXTIRPATED BY BEEDY (1991).

**Threats:**  
**General:**  
 APPROXIMATELY 2,000 PAIRS OBSERVED IN 1971 (DEHAVEN). 0 BIRDS OBSERVED ON 25 APR 1999 & 16 APR 2011.

<b>PLSS:</b> T13N, R06E, Sec. 28 (M)	<b>Accuracy:</b> 2/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4312412 E645489	<b>Latitude/Longitude:</b> 38.94859 / -121.32109	<b>Elevation (feet):</b> 130

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**

BEE91R0001	BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBUTION, AND HABITAT ASSOCIATIONS OF THE TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XX
HOS86U0002	HOSEA, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - COMPILATION, COUNTY BY COUNTY, OF TRICOLORED BLACKBIRD NESTING OBSERVATIONS 1986-XX-XX
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 96843  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 575

**EO Index:** 98057  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2016-02-01

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G2G3  
                               **State:** S1S2

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_EN-Endangered  
 NABCI\_RWL-Red Watch List  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 2014-05-23  
**Last Survey Date:** 2015-04-17  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**

ALONG YANKEE SLOUGH, ABOUT 1.2 MILES NE OF INTERSECTION WITH HWY 65, 1.9 MILES SE OF SHERIDAN.

**Detailed Location:**

COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "YANKEE SLOUGH." MAPPED ACCORDING TO PROVIDED COORDINATES IN PORTAL. POSSIBLE BLACKBERRY PATCHES VISIBLE IN 2014 AERIAL IMAGERY.

**Ecological:**

HABITAT COMPOSED OF A SMALL SERIES OF SMALL COPSES OF HIMALAYAN BLACKBERRIES ALONG YANKEE SLOUGH. NESTING SUBSTRATE WAS HIMALAYAN BLACKBERRY; SECONDARY SUBSTRATE WAS BULRUSH/TULE. SITE ADJACENT TO HUGE ROOST ALSO DISCOVERED IN JAN 2014.

**Threats:**

**General:**

OLD NESTS DISCOVERED IN JAN 2014 CONFIRMING NESTING LOCATION. 0 BIRDS OBSERVED ON 11 APR 2014. ABOUT 300 BIRDS OBSERVED ON 23 MAY 2014; OBS COLLECTING FOOD & TAKING IT TO THE COLONY, ONLY FORAGING BIRDS COUNTED. 0 BIRDS OBS ON 17 APR 2015.

<b>PLSS:</b> T13N, R06E, Sec. 19 (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4314668 E643783	<b>Latitude/Longitude:</b> 38.96919 / -121.34029	<b>Elevation (feet):</b> 120

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

- TRI14D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX
- TRI15D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 2015 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2015-XX-XX



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



<b>Map Index Number:</b>	96844	<b>EO Index:</b>	98058
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ABPBXB0020
<b>Occurrence Number:</b>	576	<b>Occurrence Last Updated:</b>	2016-02-01

<b>Scientific Name:</b>	<i>Agelaius tricolor</i>	<b>Common Name:</b>	tricolored blackbird
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S1S2	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern

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

<b>Last Date Observed:</b>	2015-04-17	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2015-04-17	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ABOUT 0.3 MI NNW OF BIG BEN RD AT LITTLE BEN RD, 1 MI SE OF FLEMING RD AT MCCOURTNEY RD, KILAGA SPRINGS.

**Detailed Location:**  
 COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "LITTLE BEN," MAPPED TO PROVIDED COORDINATES. COLONY LOCATION DESCRIBED AS BEING ALONG LITTLE BEN RD, ABOUT 0.29 MILES N OF BIG BEN RD ABOUT 150 YARDS OFF W SIDE OF ROAD.

**Ecological:**  
 HIMALAYAN BLACKBERRY. ESTIMATES OF 6,500 TO 7,500 BIRDS BETWEEN 2008-2014.

**Threats:**  
**General:**  
 ~2,500 BIRDS OBSERVED ON 24 APR 2001; NON-BREEDING. ~250 OBS ON 25 APR 2008; NESTING/INCUBATION OBS. 0 OBS ON 16 APR 2011. ~400 OBS CARRYING FOOD TO COLONY ON 23 MAY 2014. ~3,500 OBS ON 17 APR 2015; INCUBATION INFERRED.

<b>PLSS:</b>	T13N, R06E, Sec. 24, SW (M)	<b>Accuracy:</b>	1/10 mile	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4313370 E650983	<b>Latitude/Longitude:</b>	38.95629 / -121.25749	<b>Elevation (feet):</b>	305

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**

TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX
TRI15D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 2015 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2015-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 96847  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 577

**EO Index:** 98062  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2016-02-01

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G2G3  
                                   **State:** S1S2

**Rare Plant Rank:**  
**Other Lists:**       BLM\_S-Sensitive  
                           CDFW\_SSC-Species of Special Concern  
                           IUCN\_EN-Endangered  
                           NABCI\_RWL-Red Watch List  
                           USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 2008-04-25  
**Last Survey Date:** 2015-04-17  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**

0.7 MI NW OF HWY 65 BRIDGE OVER COON CREEK, 0.8 MI E OF WALTZ RD & DOWD RD INTERSECTION, 2.6 MI SSE OF SHERIDAN.

**Detailed Location:**

COLONY DATA STORED IN UC DAVIS TRBL PORTAL; SITE "WALTZ EAST HWY. 65 BYPASS." MAPPED TO COORDINATES PROVIDED IN PORTAL. A SMALL STRIP OF VEGETATION VISIBLE IN 2002-2015 AERIAL IMAGERY; LANDFILL APPEARS TO BE TO THE SW OF COLONY.

**Ecological:**

HIGHWAY 65 BYPASS UNDER CONSTRUCTION (2011), LANDOWNER FILLING LOW GROUND AND MARSHLANDS WITH FILL DIRT AND BULDOZER. A TEMPORARY LANDFILL WAS ERECTED IN THE 5 YEARS PRIOR TO THE 2015 SURVEY.

**Threats:**

POSSIBLE THREAT DUE TO LANDFILL ACTIVITIES.

**General:**

APPROXIMATELY 5,000 BIRDS OBSERVED ON 25 APR 2008; COLONY MARKED AS SINGING AND CARRYING NEST MATERIAL, COLONY LOCATED THE DAY BEFORE BY CDFW BIOLOGIST. 0 OBSERVED ON 21 MAR 2011. 0 OBSERVED ON 17 APR 2015.

<b>PLSS:</b> T13N, R05E, Sec. 25, SE (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4311659 E641913	<b>Latitude/Longitude:</b> 38.94239 / -121.36248	<b>Elevation (feet):</b> 105

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

- TRI14D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX
- TRI15D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 2015 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2015-XX-XX





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 96863  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 578

**EO Index:** 98084  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2015-07-20

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDB Element Ranks:** **Global:** G2G3  
                               **State:** S1S2

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_EN-Endangered  
 NABCI\_RWL-Red Watch List  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 2008-04-25  
**Last Survey Date:** 2014-04-18  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**

ABOUT 1 MILE SE OF HWY 65 & WISE RD INTERSECTION, 1.8 MI NW OF HWY 65 & GLADDING RD INTERSECTION, NW OF LINCOLN.

**Detailed Location:**

COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "GLADDING HWY 65." MAPPED TO COORDINATES PROVIDED IN PORTAL. SITE LOCATED ON EAST SIDE OF HWY 65, ABOUT 1.9 MILES FROM GLADDING RD.

**Ecological:**

GOOD TULE, SOME CATTAILS, AND HIMALAYAN BLACKBERRY.

**Threats:**

**General:**

APPROXIMATELY 350 BIRDS OBSERVED ON 25 APR 2008; MARKED AS SINGING AND CARRYING NEST MATERIAL IN PORTAL. 0 BIRDS OBSERVED ON 16 APR 2011; A FLOCK OF ABOUT 200-500 BIRDS OBS IN THE PREVIOUS WEEK. 0 OBSERVED ON 18 APR 2014.

<b>PLSS:</b> T12N, R06E, Sec. 04, SW (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4308994 E645560	<b>Latitude/Longitude:</b> 38.91779 / -121.32099	<b>Elevation (feet):</b> 145

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

TR114D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 30665  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 583

**EO Index:** 98106  
**Element Code:** ABPBXB0020  
**Occurrence Last Updated:** 2016-02-01

**Scientific Name:** *Agelaius tricolor*

**Common Name:** tricolored blackbird

**Listing Status:**       **Federal:** None  
                               **State:** None  
**CNDDDB Element Ranks:** **Global:** G2G3  
                               **State:** S1S2

**Rare Plant Rank:**  
**Other Lists:** BLM\_S-Sensitive  
 CDFW\_SSC-Species of Special Concern  
 IUCN\_EN-Endangered  
 NABCI\_RWL-Red Watch List  
 USFWS\_BCC-Birds of Conservation Concern

**General Habitat:**

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro Habitat:**

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Last Date Observed:** 1936-05-26  
**Last Survey Date:** 2015-04-17  
**Owner/Manager:** UNKNOWN  
**Presence:** Possibly Extirpated

**Occurrence Type:** Natural/Native occurrence  
**Occurrence Rank:** None  
**Trend:** Unknown

**Location:**  
 VICINITY OF LINCOLN.

**Detailed Location:**

MAPPED GENERALLY TO THE VICINITY OF LINCOLN. REFERENCED HISTORIC 1910 & 1942 USGS TOPO MAPS TO DETERMINE HISTORIC LINCOLN CITY EXTENT. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "LINCOLN."

**Ecological:**

COLONY PRESUMED EXTIRPATED BY BEEDY (1991). APPEARS THAT POND NEAR SOUTHERN END OF THE FEATURE WAS SURVEYED IN 2014; RED-WINGED BLACKBIRDS OBSERVED. DEVELOPED AREA WITH NARROW OPEN SPACE CORRIDORS, LIMITED NESTING HABITAT (2015).

**Threats:**

**General:**

A BREEDING COLONY COMPOSED OF ABOUT 1,000 NESTS OBSERVED ON 26 MAY 1933. A BREEDING COLONY COMPOSED OF ABOUT 1,500 NESTS OBSERVED ON 26 MAY 1936. 0 OBSERVED ON 18 APR 2014 AND 17 APR 2015.

<b>PLSS:</b> T12N, R06E, Sec. 15 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4306239 E648065	<b>Latitude/Longitude:</b> 38.89256 / -121.29270	<b>Elevation (feet):</b> 165

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

- BEE91R0001 BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBUTION, AND HABITAT ASSOCIATIONS OF THE TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XX
- NEF37R0001 NEFF, J.A. - DISTRIBUTION OF THE TRICOLORED RED WING. THE CONDOR 39(2): 61-81. 1937-03-XX
- TRI14D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX
- TRI15D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 2015 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2015-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 98540	<b>EO Index:</b> 99985
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ABPBXB0020
<b>Occurrence Number:</b> 621	<b>Occurrence Last Updated:</b> 2015-12-17

<b>Scientific Name:</b> <i>Agelaius tricolor</i>	<b>Common Name:</b> tricolored blackbird
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G2G3	CDFW_SSC-Species of Special Concern
<b>State:</b> S1S2	IUCN_EN-Endangered
	NABCI_RWL-Red Watch List
	USFWS_BCC-Birds of Conservation Concern

<b>General Habitat:</b> HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.	<b>Micro Habitat:</b> REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.
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<b>Last Date Observed:</b> 2010-05-19	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-05-19	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT-PLACER LAND TRUST	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ABOUT 0.4 MI ESE OF HWY 65 & WISE RD INTERSECTION, 2 MI E OF GLADDING RD & WISE RD INTERSECTION, NW OF LINCOLN.

**Detailed Location:**  
MAPPED ACCORDING TO PROVIDED COORDINATES. OBSERVATION MADE "NEAR WISE RD AND HWY 65."

**Ecological:**  
VERNAL POOL GRASSLAND W/ NEARBY RIPARIAN & BLUE/VALLEY OAK SAVANNAH. POSSIBLE NESTING AT SMALL POND; LIMITED ACCESS, COULDN'T CONFIRM NESTING. RED-TAILED HAWK, NORTHERN HARRIER, RED-SHOULDERED HAWK, COOPER'S HAWK, & BURROWING OWL ALSO SEEN.

**Threats:**  
POTENTIAL THREATS DUE TO HUNTING, LAND USE CHANGE IN SURROUNDING AREA, AND PESTICIDE/HERBICIDE USAGE.

**General:**  
APPROXIMATELY 300 ADULTS OBSERVED ON 19 MAY 2010; OBSERVED FLYING THROUGH THE PRESERVE NEAR A SEASONAL WETLAND AREA. BIRDS WOULD LAND AMONG CATTAILS IN GRASSLAND AREA THEN FLY OFF TO THE SMALL POND ON ADJACENT PROPERTY, POSSIBLE NESTING.

<b>PLSS:</b> T12N, R06E, Sec. 05, N (M)	<b>Accuracy:</b> 1/10 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4309688 E644689	<b>Latitude/Longitude:</b> 38.92419 / -121.33089	<b>Elevation (feet):</b> 130

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**  
WAG10F0006 WAGES, J. (PLACER LAND TRUST) - FIELD SURVEY FORM FOR AGELAIUS TRICOLOR 2010-05-19



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



<b>Map Index Number:</b>	62603	<b>EO Index:</b>	62640
<b>Key Quad:</b>	Gold Hill (3812182)	<b>Element Code:</b>	AMACC08010
<b>Occurrence Number:</b>	149	<b>Occurrence Last Updated:</b>	2005-09-19

<b>Scientific Name:</b>	<i>Corynorhinus townsendii</i>	<b>Common Name:</b>	Townsend's big-eared bat
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> Candidate Threatened	<b>Rare Plant Rank:</b>	
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G3G4 <b>State:</b> S2	<b>Other Lists:</b>	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority

**General Habitat:**  
 THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.

**Micro Habitat:**  
 ROOSTS IN THE OPEN, HANGING FROM WALLS & CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.

<b>Last Date Observed:</b>	2003-10-22	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2003-10-22	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ABANDONED MINE IN THE HILLS BETWEEN DUTCH RAVINE AND BOULDER RIDGE, JUST WEST OF HWY 193.

**Detailed Location:**

**Ecological:**  
 FOUND IN ABANDONED MINE WITH SEVERAL AUDITS. MINE WILL BE BAT GATED.

**Threats:**

**General:**  
 6 INDIVIDUALS OBSERVED ROOSTING IN MINE ON 22 OCT 2003.

<b>PLSS:</b> T12N, R07E, Sec. 22, NE (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4305198 E658058	<b>Latitude/Longitude:</b> 38.88144 / -121.17777	<b>Elevation (feet):</b> 725

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Gold Hill (3812182)

**Sources:**  
 RAM03F0002 RAMONES, S. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR CORYNORHINUS TOWNSENDII 2003-10-22



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 22879	<b>EO Index:</b> 7838
<b>Key Quad:</b> Gold Hill (3812182)	<b>Element Code:</b> ARAAD02030
<b>Occurrence Number:</b> 1	<b>Occurrence Last Updated:</b> 1993-03-15

<b>Scientific Name:</b> <i>Emys marmorata</i>	<b>Common Name:</b> western pond turtle
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	BLM_S-Sensitive
<b>Global:</b> G3G4	CDFW_SSC-Species of Special Concern
<b>State:</b> S3	IUCN_VU-Vulnerable
	USFS_S-Sensitive

<b>General Habitat:</b> A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.	<b>Micro Habitat:</b> NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.
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<b>Last Date Observed:</b> 1993-02-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1993-02-12	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
JUST WEST OF FOWLER ROAD, 0.2 MILE NORTH OF HWY 193, 4 MILES WNW OF NEWCASTLE.

**Detailed Location:**  
**Ecological:**  
HABITAT CONSISTS OF A 1-2 ACRE RESERVOIR, SURROUNDED BY OAK SAVANNAH, OAK WOODLAND, AND RIPARIAN.

**Threats:**  
**General:**  
ONE ADULT OBSERVED ON A ROCK NEAR THE MIDDLE OF THE RESERVOIR. POND TURTLES HAVE BEEN KNOWN FROM THIS SITE SINCE THE 1970'S.

<b>PLSS:</b> T12N, R07E, Sec. 17, SE (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 8
<b>UTM:</b> Zone-10 N4305965 E654479	<b>Latitude/Longitude:</b> 38.88899 / -121.21885	<b>Elevation (feet):</b> 280

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Gold Hill (3812182)
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**Sources:**  
JUR93F0001 JUREK, R.M. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR CLEMMYS MARMORATA (MARMORATA) 1993-02-12



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Map Index Number:** 78643

**EO Index:** 79570

**Key Quad:** Gold Hill (3812182)

**Element Code:** ARAAD02030

**Occurrence Number:** 1217

**Occurrence Last Updated:** 2010-04-29

**Scientific Name:** *Emys marmorata*

**Common Name:** western pond turtle

**Listing Status:** **Federal:** None

**Rare Plant Rank:**

\* SENSITIVE \*

**State:** None

**Other Lists:** BLM\_S-Sensitive  
CDFW\_SSC-Species of Special Concern  
IUCN\_VU-Vulnerable  
USFS\_S-Sensitive

**CNDDDB Element Ranks:** **Global:** G3G4

**State:** S3

**General Habitat:**

A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.

**Micro Habitat:**

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

**Last Date Observed:** 2010-04-19

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 2010-04-19

**Occurrence Rank:** Excellent

**Owner/Manager:**

**Trend:** Unknown

**Presence:** Presumed Extant

**Location:**

\*SENSITIVE\* LOCATION INFORMATION SUPPRESSED.

**Detailed Location:**

PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

**Ecological:**

HABITAT CONSISTS OF BLUE OAK WOODLAND WITH A NETWORK OF PONDS AND SEASONAL CREEKS.

**Threats:**

THREATS INCLUDE RURAL RESIDENTIAL USE AND POSSIBLE PESTICIDE USE IN ORCHARD UPSTREAM.

**General:**

<b>PLSS:</b>	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 167
<b>UTM:</b>	<b>Latitude/Longitude:</b>	<b>Elevation (feet):</b> 270

**County Summary:**

Placer

**Quad Summary:**

Gold Hill (3812182)

**Sources:**

DOB10F0001 DOBROVOLNY, L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR ACTINEMYS MARMORATA 2010-04-19



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



<b>Map Index Number:</b>	11653	<b>EO Index:</b>	28050
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	CTT44110CA
<b>Occurrence Number:</b>	24	<b>Occurrence Last Updated:</b>	1998-07-15

<b>Scientific Name:</b>	<i>Northern Hardpan Vernal Pool</i>	<b>Common Name:</b>	Northern Hardpan Vernal Pool
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G3 <b>State:</b> S3.1	<b>Other Lists:</b>	

<b>General Habitat:</b>	<input type="checkbox"/>	<b>Micro Habitat:</b>	<input type="checkbox"/>
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<b>Last Date Observed:</b>	1976-05-XX	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1976-05-XX	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 LINCOLN NORTH VERNAL POOLS. WEST OF HWY 65 AT NORTHERN CITY LIMITS (1 MILE NORTH) OF LINCOLN.

**Detailed Location:**  
 SEVERAL POOLS SCATTERED IN GRASSLAND.

**Ecological:**  
 CUSCUTA HOWELLIANA REPORTED HERE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

**Threats:**  
**General:**  
 SEE [WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

<b>PLSS:</b> T12N, R06E, Sec. 09, SE (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4307334 E646596	<b>Latitude/Longitude:</b> 38.90267 / -121.30941	<b>Elevation (feet):</b> 145

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 RUB76A0001 RUBTZOFF, P. - SOME VERNAL POOL & RELATED HABITATS WORTHY OF ATTENTION - VERNAL POOLS, THEIR ECOLOGY AND CONSERVATION - A SYMPOSIUM AT DAVIS. 1976-05-02



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 34818	<b>EO Index:</b> 3439
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 140	<b>Occurrence Last Updated:</b> 2002-03-21

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 1998-01-20	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1998-01-20	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-STERLING PACIFIC ASSETS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
2.1 KM SOUTHWEST OF LINCOLN IN INGRAM SLOUGH, 1.5 KM WSW OF INTERSECTION OF MOORE ROAD AND HIGHWAY 65.

**Detailed Location:**  
LINCOLN CROSSING MITIGATION SITE. 1996: 42 TOTAL POOLS SURVEYED. 1998: 20 TOTAL POOLS SURVEYED.

**Ecological:**  
CONSTRUCTED HARDPAN VERNAL POOL IN NON-NATIVE ANNUAL GRASSLAND.

**Threats:**

**General:**  
1996: POOL #229: <50 ADULTS OBSERVED IN POOL; SURFACE AREA=1,177 SQ. METERS, WATER DEPTH=28.0 CM. 1998: 100'S OBSERVED IN POOL #228; SURFACE AREA=10 M X 16 M, DEPTH=18 CM.

<b>PLSS:</b> T12N, R06E, Sec. 21, SE (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4304384 E646499	<b>Latitude/Longitude:</b> 38.87611 / -121.31115	<b>Elevation (feet):</b> 144

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

SUG96R0001 SUGNET & ASSOCIATES - ANNUAL REPORT TO THE USFWS REGARDING SURVEYS FOR LISTED BRANCHIOPODS CONDUCTED UNDER FEDERAL FISH AND WILDLIFE PERMIT NUMBER PRT-795933. 1996-XX-XX

SUG98R0002 SUGNET & ASSOCIATES - FINAL "90-DAY" REPORT RE: FEDERALLY-LISTED CRUSTACEA: BASELINE BREWER, BROADSTONE UNIT 2, CLAY STATION, FOOTHILL BUS. PARK, HERITAGE AT D. OAKS, JOHNSON RANCH E., LINCOLN CROSSING 1998-09-XX





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



<b>Map Index Number:</b>	33676	<b>EO Index:</b>	30431
<b>Key Quad:</b>	Roseville (3812173)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	157	<b>Occurrence Last Updated:</b>	2014-08-21

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	1993-01-18	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-01-18	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
FROM AUBURN RAVINE TO 1 MILE SOUTH OF RAVINE, BETWEEN HIGHWAY 65 AND SUN CITY BLVD, LINCOLN.

**Detailed Location:**  
LOCATION DESCRIBED ONLY AS T12N R6E SECTION 22.

**Ecological:**  
NATURAL VERNAL POOLS.

**Threats:**  
**General:**

B. LYNCHI OBSERVED IN 2 OF 5 FEATURES SURVEYED ON 18 JAN 1993. NO LEPIDURUS PACKARDI OBSERVED. SUGNET RECORD #95.

<b>PLSS:</b> T12N, R06E, Sec. 22 (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 647
<b>UTM:</b> Zone-10 N4303977 E648043	<b>Latitude/Longitude:</b> 38.87219 / -121.29344	<b>Elevation (feet):</b> 150

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Roseville (3812173), Lincoln (3812183)

**Sources:**  
SUG93U0001 SUGNET & ASSOCIATES - PRINTOUT OF LOCATION (T-R-S) OF FAIRY SHRIMP SAMPLING. (OBTAINED FROM THE U.S. FISH AND WILDLIFE SERVICE) 1993-XX-XX



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



<b>Map Index Number:</b>	33675	<b>EO Index:</b>	30430
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	158	<b>Occurrence Last Updated:</b>	2015-05-08

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	1993-02-05	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1993-02-05	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
NORTH AND EAST OF LINCOLN MUNICIPAL AIRPORT, 2 TO 4 MILES NW OF LINCOLN.

**Detailed Location:**  
1993: MAPPED TO GIVEN TRS SECTIONS, T12N R6E SEC 6 & 8; EXACT DETECTION LOCATIONS UNKNOWN. 2005: UNIDENTIFIED CYCSTS FOUND IN POOLS IN THE NE 1/4 AND SE 1/4 OF SEC 7. SECTION 8 HAS BEEN DEVELOPED, SO HALF OF THIS OCCURENCE EXTIRPATED.

**Ecological:**  
NATURAL SEASONAL WETLANDS AND NATURAL VERNAL POOLS.

**Threats:**  
DEVELOPMENT; SEC 7 HAS BEEN EXTENSIVELY DEVELOPED SINCE 1993 (AIR PHOTOS).

**General:**  
FOUND IN 1 OF 17 SEASONAL WETLANDS AND 1 OF 33 VERNAL POOLS SURVEYED 5 FEB 1993 (SUGNET RECORD NUMBERS 93 & 94). BRANCHINECTA CYSTS FOUND DURING 2005 SURVEY WERE NOT IDENTIFIED TO SPECIES.

<b>PLSS:</b>	T12N, R06E, Sec. 08 (M)	<b>Accuracy:</b>	nonspecific area	<b>Area (acres):</b>	1,287
<b>UTM:</b>	Zone-10 N4308293 E643922	<b>Latitude/Longitude:</b>	38.91175 / -121.34003	<b>Elevation (feet):</b>	125

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**

HEL05U0004	HELM, B. - DRY-SEASON SAMPLING FOR FEDERALLY LISTED LARGE BRANCHIOPODS AT THE LINCOLN INDUSTRIAL PLAZA PROPERTY. 2005-12-XX
SUG93U0001	SUGNET & ASSOCIATES - PRINTOUT OF LOCATION (T-R-S) OF FAIRY SHRIMP SAMPLING. (OBTAINED FROM THE U.S. FISH AND WILDLIFE SERVICE) 1993-XX-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 48523	<b>EO Index:</b> 48523
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 342	<b>Occurrence Last Updated:</b> 2014-09-24

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2010-03-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-03-12	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-CONSERVATION RESOURCES	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
YANKEE SLOUGH MITIGATION BANK, 5 MILES NW OF LINCOLN, JUST EAST OF HWY 65.

**Detailed Location:**  
MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS IN REPORTS, 2002-10. 2006: 10 OF 11 OCCUPIED POOLS MAPPED HERE (SEE ALSO OCC#722). 2007: 27 OF 30 POOLS MAPPED HERE (SEE ALSO OCC#721 & 722). 2010: 40 OF 42 POOLS MAPPED HERE (SEE ALSO OCC#721).

**Ecological:**  
756-ACRE PROPERTY WITH NATURAL AND CONSTRUCTED VERNAL POOLS, SWALES & SEASONAL WETLANDS IN NON-NATIVE ANNUAL GRASSLAND.

**Threats:**  
**General:**  
10S-100S FOUND IN 6 OF 11 POOLS SAMPLED 7 JAN 2002; 6 COLLECTED (CASIZ #158781). IN 11 OF 191 POOLS, 2006. POSITIVELY IDED IN 30 OF 168 POOLS, 2007. IN 30 OF 165 POOLS, 2008. IN 19 OF 168 POOLS, FEB 2009. IN 42 OF 160 POOLS, FEB-MAR 2010.

<b>PLSS:</b> T13N, R06E, Sec. 30 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 252
<b>UTM:</b> Zone-10 N4312924 E642645	<b>Latitude/Longitude:</b> 38.95367 / -121.35378	<b>Elevation (feet):</b> 100

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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- Sources:**
- COL08R0002 COLLINS, T. (ECORP CONSULTING, INC.) - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2008-05-21
  - ECO02R0007 ECORP CONSULTING, INC. - RESULTS OF 2002 WET SEASON SAMPLING SURVEY FOR LISTED BRANCHIOPODS AT YANKEE SLOUGH, PLACER COUNTY, CALIFORNIA. 2002-04-02
  - ECO06R0014 ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR THE YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CA 2006-06-30
  - ECO07R0015 ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR THE YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2007-07-05
  - ECO09R0024 ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY LISTED BRANCHIOPODS FOR YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2009-06-15
  - ECO10F0005 ECORP CONSULTING, INC. - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2010-03-12
  - ECO10R0004 ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY LISTED BRANCHIOPODS FOR YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2010-05-20
  - EGA02S0001 EGAN, S. & S. STARR - CASIZ# 158781, COLLECTED FROM "PROPOSED YANKEE SLOUGH MITIGATION BANK, E OF HIGHWAY 65 AT NADER RD." 2002-01-07



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93457	<b>EO Index:</b> 63622
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 389	<b>Occurrence Last Updated:</b> 2014-11-13

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2012-04-03	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2012-04-03	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT-PLACER LAND TRUST	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
FOSKETT RANCH OPEN SPACE PRESERVE & SWAINSONS PRESERVE, NW OF LINCOLN AND WEST OF HIGHWAY 65.

**Detailed Location:**  
FOSKETT PRESERVE "LOT D" IN TRS SEC 9; DETECTIONS 2005, 2008 (FEMALE BRANCHINECTA ONLY), 2010. SWAINSONS PRESERVE IN TRS SEC 5; DETECTIONS IN 2008, 2010, & 2012. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS.

**Ecological:**  
FOSKETT: NATURAL VERNAL POOLS IN 117.56-ACRE OPEN SPACE PRESERVE ON 3 LOTS; DEVELOPMENT ALONG PRESERVE BOUNDARY IN 2005; LINDERIELLA OCCIDENTALIS ALSO FOUND. SWAINSONS: VERNAL POOL GRASSLAND PRESERVE W/OAK SAVANNA, GRAZED BY CATTLE.

**Threats:**  
LAND USE CONVERSION IN AREA, PESTICIDE/HERBICIDE USE, TRESPASSING FROM NEARBY HOUSING DEVELOPMENTS (2010).

**General:**  
FOSKETT: FOUND IN 4 OF 47 POOLS, 2005; IN 5 POOLS, 2006; IN 3 OF 44 POOLS, 2007; BRANCHINECTA SP. IN 1 POOL, 2008; IN 1 POOL, 2009; IN 8 OF 40 POOLS, 11 FEB 2010. SWAINSONS: 100S IN 9 POOLS, 2008; 100S-1000S FOUND, 2010; IN 4 POOLS, 2012.

<b>PLSS:</b> T12N, R06E, Sec. 05 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 97
<b>UTM:</b> Zone-10 N4308381 E645298	<b>Latitude/Longitude:</b> 38.91232 / -121.32414	<b>Elevation (feet):</b> 135

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Occurrence Report**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



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**Sources:**

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COL08R0001	COLLINS, T. (ECORP CONSULTING, INC.) - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY - FOSKETT RANCH OPEN SPACE PRESERVE (BIOLOGICAL OPINION 1-1-99-F-0141) 2008-02-05
COL10R0002	COLLINS, T. (ECORP CONSULTING, INC.) - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY LISTED BRANCHIOPODS FOR FOSKETT RANCH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2010-05-06
ECO05R0004	BARTLEY, N. (ECORP CONSULTING, INC.) - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY, FOSKETT RANCH OPEN SPACE PRESERVE 2005-04-13
ECO06R0010	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY FOSKETT RANCH OPEN SPACE PRESERVE 2006-03-28
ECO07R0007	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY, FOSKETT RANCH OPEN SPACE PRESERVE 2007-06-13
ECO09R0015	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY LISTED BRANCHIOPODS FOR FOSKETT RANCH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2009-06-04
PAP12D0001	PAPATHAKIS, C. (VOLLMAR CONSULTING) - SPECIAL STATUS SPECIES COMPILATION BY VOLLMAR NATURAL LANDS CONSULTING 2012-04-XX
VOL08F0001	VOLLMAR, J. (VOLLMAR CONSULTING) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2008-02-08
WAG10F0007	WAGES, J. (PLACER LAND TRUST) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2010-02-17



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 64102	<b>EO Index:</b> 64197
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 392	<b>Occurrence Last Updated:</b> 2014-08-15

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2013-01-29	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2013-01-29	<b>Occurrence Rank:</b> Excellent
<b>Owner/Manager:</b> PVT-WILDLANDS INC	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
EAST SHERIDAN MITIGATION BANK, N OF RIOSA RD BETWEEN THOUSAND OAKS DR & KARCHNER RD, 2 MILES ENE OF SHERIDAN.

**Detailed Location:**  
MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS IN 2011 FIELD SURVEY FORM AND 2013 REPORT (EXACT LOCATIONS NOT GIVEN FOR 2005 & 2007 DETECTIONS).

**Ecological:**  
387-ACRE PRESERVE WITH ABOUT 26.62 ACRES OF NATURALLY-OCCURRING VERNAL POOLS AND SWALES AND CREATED VERNAL POOLS IN GRAZED ANNUAL GRASSLAND.

**Threats:**  
**General:**  
20 ADULTS/20 JUVENILES OBSERVED DURING 3 VISITS IN JAN 2005. FOUND IN 1 OF 63 POOLS SAMPLED FEB-MAR 2007. UP TO 25 REPRODUCTIVE ADULTS OBSERVED IN 7 POOLS, 26 JAN 2011. FOUND IN 7 OF 60 POOLS SAMPLED 29 JAN 2013.

<b>PLSS:</b> T13N, R06E, Sec. 08 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 38
<b>UTM:</b> Zone-10 N4316980 E644495	<b>Latitude/Longitude:</b> 38.98990 / -121.33158	<b>Elevation (feet):</b> 150

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**

MUN05F0002	MUNSON, S. (WILDLANDS, INC.) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2005-01-25
MUN11F0007	MUNSON, S. (WILDLANDS, INC.) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2011-01-26
WIL07R0001	WILDLANDS, INC. - VERNAL POOL BRANCHIOPOD SURVEY, 2007 ANNUAL REPORT 2007-11-XX
WIL13R0001	WILDLANDS, INC. - VERNAL POOL BRANCHIOPOD SURVEY 2013 ANNUAL REPORT, FEDERAL PERMIT NO. TE-035879-5 2013-06-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 95361	<b>EO Index:</b> 76121	
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030	
<b>Occurrence Number:</b> 622	<b>Occurrence Last Updated:</b> 2015-03-02	

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2014-02-19	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2014-02-19	<b>Occurrence Rank:</b> Fair
<b>Owner/Manager:</b> RMB LAND COMPANY LLC	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ALONG LINCOLN CANAL, NEAR HUNGRY HOLLOW RD & VIRGINIATOWN RD JCT; ABOUT 1.5 MI ENE OF LINCOLN.

**Detailed Location:**  
PRIVATE PROPERTY LOCATED NW OF HUNGRY HOLLOW RD & VIRGINIATOWN RD JCT. 2006: MAPPED TO COORDINATES GIVEN FOR 2 VERNAL POOL SITES, VP33 (NE POLYGON) & VP71 (SW POLYGON). 2014: COORDINATES GIVEN WERE WITHIN 50' OF VP71 COORDS.

**Ecological:**  
2006: 2 VERNAL POOLS, VP 33 & 71; SURFACE AREAS ABOUT 64.75 & 279.23 M<sup>2</sup>, DEPTHS 16 & 20 CM & TEMP 11 & 10 DEG C RESPECTIVELY; CALIF LINDERIELLA ALSO FOUND ONSITE; IN ANNUAL GRASSLAND. SURROUNDING LAND USES URBAN, RESIDENTIAL, PASTURE.

**Threats:**  
PROPOSED RESIDENTIAL DEVELOPMENT (2006, 2014).

**General:**  
10S OBSERVED IN 2 POOLS ON 12 JAN 2006. 4 ADULTS OBSERVED IN 1 POOL ON 19 FEB 2014.

<b>PLSS:</b> T12N, R06E, Sec. 11, SE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4307390 E650328	<b>Latitude/Longitude:</b> 38.90254 / -121.26637	<b>Elevation (feet):</b> 210

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

BAL06F0005	BALLARD, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2006-01-12
BAL06F0006	BALLARD, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2006-01-12
HEL14F0007	HELM, B. - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2014-02-19



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



<b>Map Index Number:</b>	93454	<b>EO Index:</b>	94590
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	715	<b>Occurrence Last Updated:</b>	2014-08-13

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	2009-03-13	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2009-03-13	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
0.4 MILE ESE OF THE INTERSECTION OF CAMP FAR WEST ROAD AND ALDER LANE, ABOUT 3/4 MILE NORTH OF SHERIDAN.

**Detailed Location:**  
MAPPED TO COORDINATES GIVEN FOR POOL V194 FROM 2009 REPORT.

**Ecological:**  
888 ACRE STUDY AREA WITH ABOUT 17 ACRES OF SEASONAL WETLANDS, SWALES, AND VERNAL POOLS. NON-NATIVE ANNUAL GRASSLAND MAKES UP THE MAJORITY OF THE PROPERTY.

**Threats:**  
**General:**  
TENS FOUND IN POOL V194 ON 13 MAR 2009.

<b>PLSS:</b>	T13N, R05E, Sec. 12, NW (M)	<b>Accuracy:</b>	80 meters	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4317454 E641183	<b>Latitude/Longitude:</b>	38.99471 / -121.36971	<b>Elevation (feet):</b>	130

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
HIR09R0001    HIRKALA, M. (GIBSON & SKORDAL, LLC) - BRANCHIOPOD SURVEY RESULTS FOR SHERIDAN PROPERTY, PLACER COUNTY, CALIFORNIA 2009-04-03





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93459	<b>EO Index:</b> 94594
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 719	<b>Occurrence Last Updated:</b> 2014-11-13

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2012-04-03	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2012-04-03	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-PLACER LAND TRUST	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
SWAINSONS PRESERVE, FROM ABOUT 0.5 MI WNW TO 0.8 MI NNW OF INTERSECTION OF LE BOURGET LN & RICKENBACKER LN, LINCOLN.

**Detailed Location:**  
MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS ON 2008 FIELD SURVEY FORM AND FROM 2012 SHAPEFILE.

**Ecological:**  
VERNAL POOL GRASSLAND PRESERVE WITH OAK SAVANNA, GRAZED BY CATTLE. SURROUNDED BY GRAZING LAND AND HOUSING DEVELOPMENTS.

**Threats:**  
**General:**  
DETECTED IN 5 TO 7 POOLS ON 8 FEB 2008. DETECTED IN 10 POOLS ON 17 FEB 2010. DETECTED IN 1 POOL ON 3 APR 2012.

<b>PLSS:</b> T12N, R06E, Sec. 05, W (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 46
<b>UTM:</b> Zone-10 N4309118 E643973	<b>Latitude/Longitude:</b> 38.91917 / -121.33926	<b>Elevation (feet):</b> 125

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

PAP12D0001	PAPATHAKIS, C. (VOLLMAR CONSULTING) - SPECIAL STATUS SPECIES COMPILATION BY VOLLMAR NATURAL LANDS CONSULTING 2012-04-XX
VOL08F0001	VOLLMAR, J. (VOLLMAR CONSULTING) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2008-02-08
WAG10F0007	WAGES, J. (PLACER LAND TRUST) - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2010-02-17



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



<b>Map Index Number:</b>	93460	<b>EO Index:</b>	94595
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	720	<b>Occurrence Last Updated:</b>	2014-08-14

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	2006-01-17	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2006-01-17	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
0.3 MILE NORTH OF THE INTERSECTION OF NICOLAUS ROAD AND JOINER PARKWAY, WEST OF THE SAWMILL, LINCOLN.

**Detailed Location:**  
FOSKETT RANCH OPEN SPACE PRESERVE "LOT B." MAPPED TO LOCATIONS OF OCCUPIED POOLS #28, 42, AND 43 GIVEN IN 2006 REPORT.

**Ecological:**  
118 ACRE PRESERVE ON 3 LOTS. DEVELOPMENT ALONG PRESERVE BOUNDARIES. LINDERIELLA OCCIDENTALIS ALSO FOUND.

**Threats:**

**General:**  
TENS OF REPRODUCTIVE ADULTS FOUND IN 3 POOLS, 17 JAN 2006.

<b>PLSS:</b> T12N, R06E, Sec. 09, SW (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 7
<b>UTM:</b> Zone-10 N4307198 E646200	<b>Latitude/Longitude:</b> 38.90151 / -121.31400	<b>Elevation (feet):</b> 145

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
ECO06R0010 ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY FOSKETT RANCH OPEN SPACE PRESERVE 2006-03-28



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93461	<b>EO Index:</b> 94596
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 721	<b>Occurrence Last Updated:</b> 2014-08-14

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2010-03-12	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2010-03-12	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-CONSERVATION RESOURCES	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
YANKEE SLOUGH MITIGATION BANK, 1.0 TO 1.1 MILES ESE OF OLD HIGHWAY 65 AT NADER ROAD, 2 MILES SE OF SHERIDAN.

**Detailed Location:**  
2007: 1 OF 30 OCCUPIED POOLS MAPPED HERE (SEE ALSO OCC #342 & 722). 2010: 2 OF 40 POOLS MAPPED HERE (SEE ALSO OCC #342).

**Ecological:**  
756-ACRE PROPERTY WITH NATURAL AND CONSTRUCTED VERNAL POOLS, SWALES AND SEASONAL WETLANDS IN NON-NATIVE ANNUAL GRASSLAND.

**Threats:**  
**General:**  
DETECTED IN 30 OF 168 POOLS, 2007 (1 MAPPED HERE). DETECTED IN 42 OF 160 POOLS, FEB-MAR 2010 (2 MAPPED HERE).

<b>PLSS:</b> T13N, R06E, Sec. 19, SE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 11
<b>UTM:</b> Zone-10 N4313644 E643671	<b>Latitude/Longitude:</b> 38.95999 / -121.34179	<b>Elevation (feet):</b> 115

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

ECO07R0015	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR THE YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2007-07-05
ECO10R0004	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY LISTED BRANCHIOPODS FOR YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2010-05-20



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 93462	<b>EO Index:</b> 94597
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 722	<b>Occurrence Last Updated:</b> 2014-08-14

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2007-03-14	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-03-14	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-CONSERVATION RESOURCES	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
YANKEE SLOUGH MITIGATION BANK, 1.0 TO 1.1 MILES ENE OF OLD HIGHWAY 65 AT NADER ROAD, 2 MILES SE OF SHERIDAN.

**Detailed Location:**  
2006: 1 OF 11 OCCUPIED POOLS MAPPED HERE (SEE ALSO OCC #342). 2007: 2 OF 30 POOLS MAPPED HERE (SEE ALSO OCC #342 & 721).

**Ecological:**  
756-ACRE PROPERTY WITH NATURAL AND CONSTRUCTED VERNAL POOLS, SWALES AND SEASONAL WETLANDS IN NON-NATIVE ANNUAL GRASSLAND.

**Threats:**  
**General:**  
DETECTED IN 11 OF 191 POOLS, 2006 (1 MAPPED HERE). DETECTED IN 30 OF 168 POOLS, FEB-MAR 2007 (2 MAPPED HERE).

<b>PLSS:</b> T13N, R06E, Sec. 19, NE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 11
<b>UTM:</b> Zone-10 N4314687 E643494	<b>Latitude/Longitude:</b> 38.96941 / -121.34361	<b>Elevation (feet):</b> 110

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

ECO06R0014	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR THE YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CA 2006-06-30
ECO07R0015	ECORP CONSULTING, INC. - 90-DAY REPORT OF FINDINGS REGARDING FEDERALLY-LISTED BRANCHIOPODS FOR THE YANKEE SLOUGH OPEN SPACE PRESERVE, PLACER COUNTY, CALIFORNIA 2007-07-05



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



<b>Map Index Number:</b> 93463	<b>EO Index:</b> 94598
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030
<b>Occurrence Number:</b> 723	<b>Occurrence Last Updated:</b> 2014-08-15

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

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

<b>Last Date Observed:</b> 2007-03-09	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2007-03-09	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
REDWING PRESERVE, ABOUT 1.5 MI SE OF RIOSA RD AT KARCHNER RD & 1.6 MI W OF GLADDING RD AT FLEMING RD, SE OF SHERIDAN.

**Detailed Location:**  
MAPPED TO LOCATIONS OF OCCUPIED POOLS FROM PROVIDED SHAPEFILE.

**Ecological:**  
DISTURBANCE-CREATED VERNAL POOLS ON 990 ACRE PRESERVE DOMINATED BY NON-NATIVE ANNUAL GRASSLAND. SITE LEVELLED FOR RICE PRODUCTION IN THE 1970S, NOW USED FOR GRAZING AND HUNTING. LINDERIELLA OCCIDENTALIS CO-OCCURRED IN 4 POOLS.

**Threats:**  
**General:**  
TENS TO HUNDREDS FOUND IN 10 OF 14 FEATURES SAMPLED 23 FEB & 9 MAR 2007.

<b>PLSS:</b> T13N, R06E, Sec. 20, NE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 192
<b>UTM:</b> Zone-10 N4314627 E645114	<b>Latitude/Longitude:</b> 38.96860 / -121.32494	<b>Elevation (feet):</b> 150

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
GIB07R0001 GIBSON & SKORDAL, LLC - LISTED VERNAL POOL BRANCHIOPOD WET SEASON SURVEY 90-DAY REPORT, REDWING PRESERVE, PLACER COUNTY, CALIFORNIA. 2007-07-XX



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



<b>Map Index Number:</b>	93464	<b>EO Index:</b>	94599
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	724	<b>Occurrence Last Updated:</b>	2014-08-15

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	2008-06-03	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2008-06-03	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ALONG THE SOUTHWEST SIDE OF LINCOLN BLVD, JUST NORTH OF THE GLADDING RD JUNCTION, LINCOLN.

**Detailed Location:**  
 "GLADDING PARKWAY PROJECT" SITE, MAPPED TO LOCATION GIVEN FOR BASIN 5.

**Ecological:**  
**Threats:**

**General:**  
 FOUND IN 2006/2007 AND 2007/2008 WET SEASON SURVEYS. CYSTS COLLECTED 3 JUN 2008 WERE HATCHED, REARED, AND IDENTIFIED AS B. LYNCHI.

<b>PLSS:</b> T12N, R06E, Sec. 10, SW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4307019 E647611	<b>Latitude/Longitude:</b> 38.89966 / -121.29777	<b>Elevation (feet):</b> 155

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 HELM08R0012 HELM, B. & T. WOOD (HELM BIOLOGICAL CONSULTING) - DETERMINING THE PRESENCE OF THE CONSERVANCY FAIRY SHRIMP AT THE GLADDING PARKWAY PROJECT 2008-06-03



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



<b>Map Index Number:</b>	93465	<b>EO Index:</b>	94600
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA03030
<b>Occurrence Number:</b>	725	<b>Occurrence Last Updated:</b>	2014-08-15

<b>Scientific Name:</b>	<i>Branchinecta lynchi</i>	<b>Common Name:</b>	vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Federal:</b> Threatened	<b>Rare Plant Rank:</b>	
	<b>State:</b> None	<b>Other Lists:</b>	IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3		
	<b>State:</b> S3		

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

<b>Last Date Observed:</b>	2012-04-06	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2012-04-06	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT-WESTERVELT ECOLOGICAL SVCS	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ABOUT 0.8 MILE NW OF W WISE RD AT GLADDING RD AND 2.2 MILES EAST OF OLD HWY 65 AT CHAMBERLAIN RD, NORTH OF LINCOLN.

**Detailed Location:**  
 "HIGHWAY 65 SELF STORAGE OFF-SITE MITIGATION PROJECT" SITE. MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS B, C, D AND E.

**Ecological:**  
 5 CREATED AND 3 NATURAL VERNAL POOLS ON A MITIGATION SITE.

**Threats:**

**General:**  
 1S FOUND IN 4 OF THE 5 CREATED POOLS ON 6 APR 2012.

<b>PLSS:</b> T13N, R06E, Sec. 33, E (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 11
<b>UTM:</b> Zone-10 N4310847 E646953	<b>Latitude/Longitude:</b> 38.93425 / -121.30453	<b>Elevation (feet):</b> 145

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 HELM12R0002 HELM, B. (HELM BIOLOGICAL CONSULTING) - VERNAL POOL MACROSCOPIC AQUATIC INVERTEBRATE MONITORING AT THE HIGHWAY 65 STORAGE OFF-SITE MITIGATION PROJECT 2012-12-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 95355	<b>EO Index:</b> 96488	
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA03030	
<b>Occurrence Number:</b> 892	<b>Occurrence Last Updated:</b> 2015-03-02	

<b>Scientific Name:</b> <i>Branchinecta lynchi</i>	<b>Common Name:</b> vernal pool fairy shrimp
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> Threatened	
<b>State:</b> None	<b>Other Lists:</b> IUCN_VU-Vulnerable
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G3	
<b>State:</b> S3	

<b>General Habitat:</b> ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.	<b>Micro Habitat:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.
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<b>Last Date Observed:</b> 2014-06-27	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2014-06-27	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> UNKNOWN	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ABOUT 250' NE OF NELSON LN AT ROCKWELL LN, 0.7 MILES SW OF NICOLAUS RD AT WAVERLY DR IN LINCOLN.

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

**Ecological:**  
SINGLE VERNAL POOL WITH ERYNGIUM SP. & FESTUCA PERENNIS.

**Threats:**  
**General:**  
23 CYSTS (20 INTACT) FOUND IN DRY-SEASON SAMPLES TAKEN ON 27 JUN 2014. EXPERT SURVEYOR COULD NOT PROVIDE DEFINITIVE ID, BUT THOUGHT B. LYNCHI WAS MOST LIKELY SPECIES BASED ON LOCATION & TYPE OF POOL.

<b>PLSS:</b> T12N, R06E, Sec. 17, NW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4306124 E644004	<b>Latitude/Longitude:</b> 38.89220 / -121.33954	<b>Elevation (feet):</b> 120

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
HEL14F0006 HELM, B. - FIELD SURVEY FORM FOR BRANCHINECTA LYNCHI 2014-06-27





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



<b>Map Index Number:</b>	24520	<b>EO Index:</b>	6948
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA06010
<b>Occurrence Number:</b>	22	<b>Occurrence Last Updated:</b>	1993-10-04

<b>Scientific Name:</b>	<i>Linderiella occidentalis</i>	<b>Common Name:</b>	California linderiella
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S2S3	<b>Other Lists:</b>	IUCN_NT-Near Threatened

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

<b>Last Date Observed:</b>	1992-03-28	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1992-03-28	<b>Occurrence Rank:</b>	Good
<b>Owner/Manager:</b>	CALTRANS	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
NORTH SIDE OF HIGHWAY 193, 2 MILES EAST OF LINCOLN.

**Detailed Location:**

**Ecological:**  
HABITAT CONSISTS OF 4 VERNAL POOLS SURROUNDED BY BLUE OAK WOODLAND. 3 POOLS ARE CONNECTED DURING PERIODS OF HIGH WATER AND ARE DOMINATED BY ISOETES HOWELLI. THE FOURTH POOL WAS DOMINATED BY LILAEA SCILLOIDES AND RUMEX CRISPUS.

**Threats:**  
POSSIBLE THREAT TO ONE POOL FROM ROAD IMPROVEMENTS PLANNED FOR HIGHWAY 193.

**General:**  
MANY LINDERIELLA WERE OBSERVED; APPROXIMATELY 30 WERE COLLECTED.

<b>PLSS:</b> T12N, R06E, Sec. 13, SE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 2
<b>UTM:</b> Zone-10 N4305663 E651307	<b>Latitude/Longitude:</b> 38.88682 / -121.25546	<b>Elevation (feet):</b> 235

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
HUB92F0001 HUBER, A. - FIELD SURVEY FORM FOR LINDERIELLA OCCIDENTALIS 1992-02-28



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



<b>Map Index Number:</b>	32539	<b>EO Index:</b>	1978
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA06010
<b>Occurrence Number:</b>	84	<b>Occurrence Last Updated:</b>	1995-10-12

<b>Scientific Name:</b>	<i>Linderiella occidentalis</i>	<b>Common Name:</b>	California linderiella
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S2S3	<b>Other Lists:</b>	IUCN_NT-Near Threatened

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

<b>Last Date Observed:</b>	1995-04-14	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1995-04-14	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	CALTRANS	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
EAST OF LINCOLN. POOL ON NORTH SIDE OF HWY 193; 2.1 KM W OF SIERRA COLLEGE BLVD.

**Detailed Location:**

**Ecological:**

VEGETATED POOL WITHIN OAK WOODLAND SETTING; VEGETATION IS LIMITED TO EDGE OF POOL; DOMINANT PLANTS: CALLITRICHE SP., RUMEX CRISPUS; DENSE GRASS AROUND MARGINS; BOTTOM COVERED WITH LEAF LITTER. COPEPODS, OSTRACODS, CLADOCERANS & INSECTS OBS.

**Threats:**

**General:**

POOL #3A: >100 PER NET SWEEP ON 2/9, 2/24 & 3/15/95. 51-100 PER NET SWEEP ON 3/31 & 4/14/95. VERY SMALL (NEEDED NET TO SEE) INDIVIDUALS OBSERVED 3/15 - POSSIBLE NEW HATCH. MANY TADPOLES OF 2 SPECIES PRESENT.

<b>PLSS:</b>	T12N, R06E, Sec. 13, SW (M)	<b>Accuracy:</b>	80 meters	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4305659 E650791	<b>Latitude/Longitude:</b>	38.88687 / -121.26142	<b>Elevation (feet):</b>	220

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**  
COL95R0001 COLLISON, C. & C. BROWN - 60-DAY REPORT FOR CALTRANS ROADWAY IMPROVEMENT PROJECT ON HWY 193 IN PLACER CO. FROM THE JCT. OF HWY 65 IN LINCOLN EAST TO SIERRA COLLEGE BLVD (LINDERIELLA OCCIDENTALIS) 1995-04-XX



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 34817	<b>EO Index:</b> 3450	
<b>Key Quad:</b> Roseville (3812173)	<b>Element Code:</b> ICBRA06010	
<b>Occurrence Number:</b> 146	<b>Occurrence Last Updated:</b> 2011-04-22	

<b>Scientific Name:</b> <i>Linderiella occidentalis</i>	<b>Common Name:</b> California linderiella
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> IUCN_NT-Near Threatened
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G2G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.	<b>Micro Habitat:</b> WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.
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<b>Last Date Observed:</b> 1998-03-02	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1998-03-02	<b>Occurrence Rank:</b> Unknown
<b>Owner/Manager:</b> PVT-STERLING PACIFIC ASSETS	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
LARGE AREA W OF HWY 65 (NOW BISECTED BY NEW HWY 65 ROUTE) AND S OF AUBURN RAVINE, CENTERED 1.7 MI SW LINCOLN PO.

**Detailed Location:**  
LINCOLN CROSSING MITIGATION SITE. COVERS PORTIONS OF SEVERAL SECTIONS. 1995: 10 TOTAL WATERBODIES SURVEYED. 1996: 42 TOTAL WATERBODIES SURVEYED. 1997: 49 TOTAL WATERBODIES SURVEYED. 1998: 20 TOTAL WATERBODIES SURVEYED.

**Ecological:**  
SEASONALLY INUNDATED WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) W/IN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE. ADJACENT AREAS HAVE BEEN DEVELOPED FOR RESIDENTIAL HOUSING BY 2010.

**Threats:**

**General:**  
1995: UNKNOWN NUMBER OBS. 1996: 50+ ADULTS OBS IN 28 POOLS, FEWER THAN 50 OBS IN 4 POOLS; B. LYNCHI IN SOME POOLS. 1997: 10-100 OBS IN 27 POOLS. 1998: 1000S OBS IN 13 POOLS AND 100S OBS IN 1 POOL.

<b>PLSS:</b> T12N, R06E, Sec. 29 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 219
<b>UTM:</b> Zone-10 N4302877 E645430	<b>Latitude/Longitude:</b> 38.86272 / -121.32379	<b>Elevation (feet):</b> 125

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Roseville (3812173), Lincoln (3812183)
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**Sources:**

SUG95R0001	SUGNET & ASSOCIATES - ANNUAL REPORT TO THE USFWS REGARDING SURVEYS FOR LISTED CRUSTACEA CONDUCTED UNDER FEDERAL FISH AND WILDLIFE PERMIT NUMBER PRT-795933 1995-06-XX
SUG96R0001	SUGNET & ASSOCIATES - ANNUAL REPORT TO THE USFWS REGARDING SURVEYS FOR LISTED BRANCHIOPODS CONDUCTED UNDER FEDERAL FISH AND WILDLIFE PERMIT NUMBER PRT-795933. 1996-XX-XX
SUG97R0001	SUGNET & ASSOCIATES - 1997 ANNUAL REPORT TO THE U.S. FISH & WILDLIFE SERVICE REGARDING SURVEYS FOR LISTED CRUSTACEA CONDUCTED UNDER FEDERAL FISH AND WILDLIFE PERMIT NO. PRT-795933 1997-XX-XX
SUG98R0002	SUGNET & ASSOCIATES - FINAL "90-DAY" REPORT RE: FEDERALLY-LISTED CRUSTACEA: BASELINE BREWER, BROADSTONE UNIT 2, CLAY STATION, FOOTHILL BUS. PARK, HERITAGE AT D. OAKS, JOHNSON RANCH E., LINCOLN CROSSING 1998-09-XX



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



<b>Map Index Number:</b>	61195	<b>EO Index:</b>	61231
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA06010
<b>Occurrence Number:</b>	243	<b>Occurrence Last Updated:</b>	2005-05-03

<b>Scientific Name:</b>	<i>Linderiella occidentalis</i>	<b>Common Name:</b>	California linderiella
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S2S3	<b>Other Lists:</b>	IUCN_NT-Near Threatened

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

<b>Last Date Observed:</b>	2004-03-12	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2004-04-26	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ABOUT 3 AIR MILES WSW OF LINCOLN, WEST OF NELSON LANE.

**Detailed Location:**  
 COLEMAN PROPERTY. ENTIRE PROJECT SITE WAS MAPPED SINCE REPORT DID NOT SHOW EXACT LOCATION OF ONE VERNAL POOL AND ONE SEASONAL WETLAND CONTAINING L. OCCIDENTALIS.

**Ecological:**  
 PROPERTY CONSISTS OF NON-NATIVE ANNUAL GRASSLAND.

**Threats:**  
 POTENTIAL DEVELOPMENT.

**General:**  
 SURVEY CONDUCTED BETWEEN 10 DEC 2003 & 26 APR 2004, "A FEW" INDIVIDUALS OBSERVED ON 12 MAR 2004.

<b>PLSS:</b> T12N, R06E, Sec. 18 (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 87
<b>UTM:</b> Zone-10 N4305084 E643373	<b>Latitude/Longitude:</b> 38.88294 / -121.34703	<b>Elevation (feet):</b> 120

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 ECO04R0012 ECORP CONSULTING, INC. - ANNUAL REPORT OF FINDINGS REGARDING WET SEASON SURVEYS FOR FEDERALLY-LISTED CRUSTACEANS FOR COLEMAN PROPERTY (PLACER COUNTY, CALIFORNIA) 2004-12-19



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 63530	<b>EO Index:</b> 63623
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> ICBRA06010
<b>Occurrence Number:</b> 248	<b>Occurrence Last Updated:</b> 2005-12-28

<b>Scientific Name:</b> <i>Linderiella occidentalis</i>	<b>Common Name:</b> California linderiella
<b>Listing Status:</b>	<b>Rare Plant Rank:</b>
<b>Federal:</b> None	
<b>State:</b> None	<b>Other Lists:</b> IUCN_NT-Near Threatened
<b>CNDDB Element Ranks:</b>	
<b>Global:</b> G2G3	
<b>State:</b> S2S3	

<b>General Habitat:</b> SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.	<b>Micro Habitat:</b> WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.
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<b>Last Date Observed:</b> 2005-01-10	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 2005-01-10	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT-MERITAGE HOMES	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
FOSKETT RANCH OPEN SPACE PRESERVE, NW OF LINCOLN AND WEST OF HIGHWAY 65.

**Detailed Location:**

**Ecological:**  
NATURAL VERNAL POOLS IN OPEN SPACE PRESERVE. DEVELOPMENT IS TAKING PLACE ALONG THE PRESERVE BOUNDARY.

**Threats:**

**General:**  
FOUND IN 5 OF 47 SAMPLED POOLS. BRANCHINECTA LYNCHI ALSO FOUND HERE.

<b>PLSS:</b> T12N, R06E, Sec. 09, NW (M)	<b>Accuracy:</b> nonspecific area	<b>Area (acres):</b> 55
<b>UTM:</b> Zone-10 N4308070 E645813	<b>Latitude/Longitude:</b> 38.90943 / -121.31827	<b>Elevation (feet):</b> 135

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
ECO05R0004 BARTLEY, N. (ECORP CONSULTING, INC.) - 90-DAY REPORT OF FINDINGS REGARDING BRANCHIOPOD ASSESSMENT SURVEY, FOSKETT RANCH OPEN SPACE PRESERVE 2005-04-13



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



<b>Map Index Number:</b>	75106	<b>EO Index:</b>	76255
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	ICBRA06010
<b>Occurrence Number:</b>	377	<b>Occurrence Last Updated:</b>	2009-05-26

<b>Scientific Name:</b>	<i>Linderiella occidentalis</i>	<b>Common Name:</b>	California linderiella
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	
<b>CNDDB Element Ranks:</b>	<b>Global:</b> G2G3 <b>State:</b> S2S3	<b>Other Lists:</b>	IUCN_NT-Near Threatened

<b>General Habitat:</b>	SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.	<b>Micro Habitat:</b>	WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.
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<b>Last Date Observed:</b>	2006-01-12	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	2006-01-12	<b>Occurrence Rank:</b>	Fair
<b>Owner/Manager:</b>	RMB LAND COMPANY LLC	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 ALONG LINCOLN CANAL, NEAR HUNGRY HOLLOW RD & VIRGINIATOWN RD JCT; ABOUT 1.5 MI ENE OF LINCOLN.

**Detailed Location:**  
 VERNAL POOL SITE MAPPED TO PROVIDED COORDINATES & MAP (VP 73). PRIVATE PROPERTY LOCATED NW OF HUNGRY HOLLOW RD & VIRGINIATOWN RD JCT.

**Ecological:**  
 SURFACE AREA OF VERNAL POOL IS APPROX 226.62 SQUARE METERS, POOL DEPTH WAS APPROX 24 CM & WATER TEMP WAS 9 DEGREES C AT TIME OF SURVEY. VERNAL POOL LOCATED WITHIN AN ANNUAL GRASSLAND COMMUNITY. BRANCHINECTA LYNCHI ALSO OBSERVED IN VIC.

**Threats:**  
 THREATENED BY PROPOSED RESIDENTIAL DEVELOPMENT.

**General:**  
 100S OF ADULTS OBSERVED ON 12 JAN 2006 AT VP 73.

<b>PLSS:</b>	T12N, R06E, Sec. 11, SE (M)	<b>Accuracy:</b>	specific area	<b>Area (acres):</b>	17
<b>UTM:</b>	Zone-10 N4307322 E650216	<b>Latitude/Longitude:</b>	38.90195 / -121.26767	<b>Elevation (feet):</b>	210

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 BAL06F0007 BALLARD, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR LINDERIELLA OCCIDENTALIS 2006-01-12



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



<b>Map Index Number:</b>	30665	<b>EO Index:</b>	20710
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	PDAST11061
<b>Occurrence Number:</b>	1	<b>Occurrence Last Updated:</b>	1995-01-18

<b>Scientific Name:</b>	<i>Balsamorhiza macrolepis</i>	<b>Common Name:</b>	big-scale balsamroot
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	1B.2
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2 <b>State:</b> S2	<b>Other Lists:</b>	BLM_S-Sensitive USFS_S-Sensitive

<b>General Habitat:</b>	<b>Micro Habitat:</b>
CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.	SOMETIMES ON SERPENTINE. 90-1555 M.

<b>Last Date Observed:</b>	1939-10-05	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1939-10-05	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
TOWN OF LINCOLN.  
**Detailed Location:**  
MAPPED BY CNDDDB IN VICINITY OF LINCOLN.

**Ecological:**  
SANDY HILLSIDES.

**Threats:**  
**General:**  
LOCALLY FREQUENT. ANNOTATED BY WEBER MARCH 1953. NEEDS FIELDWORK.

<b>PLSS:</b> T12N, R06E, Sec. 15 (M)	<b>Accuracy:</b> 1 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4306239 E648065	<b>Latitude/Longitude:</b> 38.89256 / -121.29270	<b>Elevation (feet):</b> 165

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
HOO39S0007 HOOVER, R. - HOOVER #4092 JEPS #32252 1939-05-10  
RAM17S0001 RAMALEY, F. - RAMALEY #11109 UC #472196 1917-04-15



# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 26037	<b>EO Index:</b> 5224	
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> PDCAM060C0	
<b>Occurrence Number:</b> 62	<b>Occurrence Last Updated:</b> 2011-09-21	

<b>Scientific Name:</b> <i>Downingia pusilla</i>	<b>Common Name:</b> dwarf downingia
<b>Listing Status:</b>	
<b>Federal:</b> None	<b>Rare Plant Rank:</b> 2B.2
<b>State:</b> None	<b>Other Lists:</b>
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> GU	
<b>State:</b> S2	

<b>General Habitat:</b> VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.	<b>Micro Habitat:</b> VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.
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<b>Last Date Observed:</b> 1990-04-18	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1990-04-18	<b>Occurrence Rank:</b> None
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Extirpated	

**Location:**  
EAST OF LAKESIDE ROAD, ABOUT 1.6 AIR MILES NORTHWEST OF DOWNTOWN LINCOLN.

**Detailed Location:**  
TWO POOLS MAPPED ABOUT 0.5 MILE SOUTHWEST OF CLAYTON IN THE SW 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 9.

**Ecological:**  
NORTHERN HARDPAN VERNAL POOL ON SAN JOAQUIN-COMETA SANDY SOILS. ASSOCIATED WITH ERYNGIUM VASEYI, ELEOCHARIS MACROSTACHYA, NAVARRETIA LEUCOCEPHALA, LASTHENIA FREMONTII, RANUNCULUS BONARIENSIS, PLAGIOBOTHRYIS, DOWNINGIA SPP, AND CUSCUTA.

**Threats:**  
DEVELOPMENT.

**General:**  
200-400 PLANTS SEEN IN 1989, 36 PLANTS SEEN IN 1990. AREA SUPPORTED A LARGE CONCENTRATION OF POOLS, MOSTLY ON SAN JOAQUIN SERIES SOILS. 2010 AERIAL PHOTOS SHOW DEVELOPMENT THROUGHOUT MAPPED OCCURRENCE; POPULATION IS PRESUMED EXTIRPATED.

<b>PLSS:</b> T12N, R06E, Sec. 09, W (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 10
<b>UTM:</b> Zone-10 N4307281 E645798	<b>Latitude/Longitude:</b> 38.90232 / -121.31861	<b>Elevation (feet):</b> 140

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**

MAR89F0006	MARTZ, C. - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 1989-04-28
MCC90F0017	MCCARTEN, N. & R. BITTMAN - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 1990-04-18
WIT08U0003	WITHAM, C. - EMAIL TO R. BITTMAN REGARDING EXTIRPATED VERNAL POOL SITES 2008-08-12





# Occurrence Report

## California Department of Fish and Wildlife

### California Natural Diversity Database



<b>Map Index Number:</b> 23872	<b>EO Index:</b> 5226	
<b>Key Quad:</b> Lincoln (3812183)	<b>Element Code:</b> PDCAM060C0	
<b>Occurrence Number:</b> 63	<b>Occurrence Last Updated:</b> 1994-08-08	

<b>Scientific Name:</b> <i>Downingia pusilla</i>	<b>Common Name:</b> dwarf downingia
<b>Listing Status:</b>	<b>Rare Plant Rank:</b> 2B.2
<b>Federal:</b> None	<b>Other Lists:</b>
<b>State:</b> None	
<b>CNDDDB Element Ranks:</b>	
<b>Global:</b> GU	
<b>State:</b> S2	

<b>General Habitat:</b> VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.	<b>Micro Habitat:</b> VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.
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<b>Last Date Observed:</b> 1989-04-20	<b>Occurrence Type:</b> Natural/Native occurrence
<b>Last Survey Date:</b> 1989-04-20	<b>Occurrence Rank:</b> Good
<b>Owner/Manager:</b> PVT	<b>Trend:</b> Unknown
<b>Presence:</b> Presumed Extant	

**Location:**  
ABOUT 2.2 AIR MILES NORTHWEST OF DOWNTOWN LINCOLN, 1.2 ROAD MILES SOUTH OF WISE ROAD / HIGHWAY 65 INTERSECTION.

**Detailed Location:**  
LOCATED 700 FEET EAST OF HIGHWAY 65 AND 0.7 MILE NORTH OF ENTRANCE TO CLAY PIT. WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 4.

**Ecological:**  
NORTHERN VOLCANIC MUDFLOW VERNAL POOL. ASSOCIATED WITH PLAGIOBOTHRYIS STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, NAVARRETIA LEUCOCEPHALA, PILULARIA AMERICANA, RANUNCULUS BONARIENSIS, GRATIOLA HETEROSEPALA, AND G. EBRACTEATA.

**Threats:**  
AREA GRAZED. LINCOLN AREA IS GROWING RAPIDLY.

**General:**  
THIS IS A FAIRLY GOOD SITE WITH MORE THAN 50 POOLS AND ASSOCIATED SWALES. SOME POOLS HAVE FORMED BEHIND OLD ROCK WALLS THAT TRAVERSE THE SITE; THESE TEND TO BE LARGER AND DEEPER THAN TYPICAL FOR MEHRTEN FORMATION POOLS.

<b>PLSS:</b> T12N, R06E, Sec. 04, SW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4308723 E645702	<b>Latitude/Longitude:</b> 38.91533 / -121.31941	<b>Elevation (feet):</b> 155

<b>County Summary:</b> Placer	<b>Quad Summary:</b> Lincoln (3812183)
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**Sources:**  
MAR89F0003 MARTZ, C. - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA & GRATIOLA HETEROSEPALA 1989-04-20



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



**Map Index Number:** 26039  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 64

**EO Index:** 5228  
**Element Code:** PDCAM060C0  
**Occurrence Last Updated:** 1994-08-08

**Scientific Name:** *Downingia pusilla*

**Common Name:** dwarf downingia

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** GU  
                                   **State:**     S2

**Rare Plant Rank:** 2B.2  
**Other Lists:**

**General Habitat:**

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

**Micro Habitat:**

VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.

**Last Date Observed:** 1990-04-18  
**Last Survey Date:** 1990-04-18  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**  
 VICINITY OF LINCOLN. 1/4 MILE NORTH OF COON CREEK, 1/4 MILE WEST OF DOWD RD, 1 MILE WEST OF HWY 65, SOUTH OF SHERIDAN.

**Detailed Location:**  
 SPECIES OCCURS IN SIX VERNAL POOLS WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 36.

**Ecological:**  
 NORTHERN HARDPAN VERNAL POOLS DOMINATED BY DOWNINGIA BICORNUTA, RANUNCULUS BONARIENSIS VAR. TRISEPALUS, LYTHRUM HYSSOPIFOLIA, AND LASTHENIA FREMONTII.

**Threats:**  
 HEAVY CATTLE GRAZING.

**General:**  
 147 PLANTS OBSERVED IN 1990.

<b>PLSS:</b> T13N, R05E, Sec. 36, NW (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4311007 E641124	<b>Latitude/Longitude:</b> 38.93665 / -121.37173	<b>Elevation (feet):</b> 110

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 MCC90F0018    MCCARTEN, N. & C. ROGERS - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 1990-04-18



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



<b>Map Index Number:</b>	26038	<b>EO Index:</b>	5227
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	PDCAM060C0
<b>Occurrence Number:</b>	65	<b>Occurrence Last Updated:</b>	1994-08-08

<b>Scientific Name:</b>	<i>Downingia pusilla</i>	<b>Common Name:</b>	dwarf downingia
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	2B.2
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> GU <b>State:</b> S2	<b>Other Lists:</b>	

<b>General Habitat:</b>	VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.	<b>Micro Habitat:</b>	VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.
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<b>Last Date Observed:</b>	1991-04-23	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1991-04-23	<b>Occurrence Rank:</b>	Poor
<b>Owner/Manager:</b>	PVT	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
0.5 MILE SOUTH OF WISE ROAD, WEST OF HIGHWAY 65, NORTHWEST OF LINCOLN.

**Detailed Location:**  
SWALE WITHIN THE NORTHWEST CORNER OF PASTURE. SW 1/4 OF NE 1/4 OF SECTION 6.

**Ecological:**  
WETLAND SWALE WITH 70% BARE GROUND / THATCH. ASSOCIATED WITH PLAGIOBOTHRYUS BRACTEATA AND ERYNGIUM VASEYI. SWALE CONTINUES OFF SITE.

**Threats:**  
SITE IS GRAZED BY CATTLE AND HAS BEEN LEVELED AND DISKED IN THE PAST. SITE MAY BE DEVELOPED IN THE FUTURE.

**General:**  
100 PLANTS OBSERVED IN 1991. LOCATION OF SITE MAKES IT EASY TO AVOID DURING DEVELOPMENT. HOWEVER, RELEASE FROM GRAZING MAY ALLOW OTHER SEASONAL WETLAND PLANTS TO DOMINATE, THEREBY MAKING SITE UNSUITABLE FOR DOWNINGIA PUSILLA.

<b>PLSS:</b> T12N, R06E, Sec. 06, NE (M)	<b>Accuracy:</b> 1/5 mile	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4309145 E643291	<b>Latitude/Longitude:</b> 38.91953 / -121.34712	<b>Elevation (feet):</b> 125

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
DAI91F0009 DAINS, V. - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 1991-04-23



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



**Map Index Number:** 62480  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 118

**EO Index:** 62517  
**Element Code:** PDCAM060C0  
**Occurrence Last Updated:** 2005-09-06

**Scientific Name:** *Downingia pusilla*

**Common Name:** dwarf downingia

**Listing Status:**       **Federal:** None  
                               **State:**     None  
**CNDDDB Element Ranks:** **Global:** GU  
                                   **State:**     S2

**Rare Plant Rank:** 2B.2  
**Other Lists:**

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

**Micro Habitat:**  
 VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES.  
 IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.

**Last Date Observed:** 2005-05-04  
**Last Survey Date:** 2005-05-04  
**Owner/Manager:** PVT-RESTORATION RESOURCES  
**Presence:** Presumed Extant

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

**Location:**  
 REDWING PRESERVE, ABOUT 1 AIR MILE NNW OF CHAMBERLAIN RANCH, NORTHWEST OF LINCOLN.

**Detailed Location:**  
 MAPPED JUST NORTH OF THE CENTER OF SECTION 20.

**Ecological:**  
 GRADED TERRACE WITH STANDING WATER UNTIL MAY. DEEPER PORTIONS SUPPORTED DENSE AREAS OF ELEOCHARIS MACROSTACHYA. DOWNINGIA FOUND IN OPENINGS WITH LASTHENIA GLABERRIMA, PLAGIOBOTHRYIS STIPITATUS STIPITATUS, GRATIOLA EBRACTEATA, AND ISOETES.

**Threats:**  
 CATTLE GRAZING. EXTENSIVE GRADING OCCURED IN THIS PORTION OF PROPERTY FOR RICE FARMING, BUT THIS AREA NEVER SEEDED.

**General:**  
 ABOUT 850 PLANTS OBSERVED IN 2005.

<b>PLSS:</b> T13N, R06E, Sec. 20, NE (M)	<b>Accuracy:</b> specific area	<b>Area (acres):</b> 2
<b>UTM:</b> Zone-10 N4314208 E644636	<b>Latitude/Longitude:</b> 38.96491 / -121.33054	<b>Elevation (feet):</b> 140

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 GOT05F0002 GOTTSCHALK, E. & P. BRITTON - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 2005-05-04



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



**Map Index Number:** 62481

**EO Index:** 62518

**Key Quad:** Lincoln (3812183)

**Element Code:** PDCAM060C0

**Occurrence Number:** 119

**Occurrence Last Updated:** 2005-09-06

**Scientific Name:** *Downingia pusilla*

**Common Name:** dwarf downingia

**Listing Status:** **Federal:** None

**Rare Plant Rank:** 2B.2

**State:** None

**Other Lists:**

**CNDDDB Element Ranks:** **Global:** GU

**State:** S2

**General Habitat:**

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

**Micro Habitat:**

VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-445 M.

**Last Date Observed:** 2005-04-20

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 2005-04-20

**Occurrence Rank:** Good

**Owner/Manager:** PVT-RESTORATION RESOURCES

**Trend:** Unknown

**Presence:** Presumed Extant

**Location:**

REDWING PRESERVE, ABOUT 0.8 AIR MILE NORTHWEST OF CHAMBERLAIN RANCH, NORTHWEST OF LINCOLN.

**Detailed Location:**

IN THE CENTER OF THE NORTHERN 3/4 OF VERNAL POOL 576. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 20.

**Ecological:**

IN CENTER OF VERNAL POOL WITH ISOETES AND NAVARRETIA LEUCOCEPHALA. EDGE OF POOL CHARACTERIZED BY LASTHENIA FREMONTII, RANUNCULUS BONARIENSIS VAR. TRISEPALUS, AND ERYNGIUM VASEYI.

**Threats:**

CATTLE GRAZING.

**General:**

ABOUT 1000 PLANTS OBSERVED IN 2005.

**PLSS:** T13N, R06E, Sec. 20, SW (M)

**Accuracy:** specific area

**Area (acres):** 2

**UTM:** Zone-10 N4313648 E644499

**Latitude/Longitude:** 38.95989 / -121.33225

**Elevation (feet):** 150

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

GOT05F0001 GOTTSCHALK, E. & P. BRITTON - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA 2005-04-20



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



<b>Map Index Number:</b>	30665	<b>EO Index:</b>	47154
<b>Key Quad:</b>	Lincoln (3812183)	<b>Element Code:</b>	PDPLMOC0X1
<b>Occurrence Number:</b>	12	<b>Occurrence Last Updated:</b>	2002-01-31

<b>Scientific Name:</b>	<i>Navarretia myersii ssp. myersii</i>	<b>Common Name:</b>	pincushion navarretia
<b>Listing Status:</b>	<b>Federal:</b> None <b>State:</b> None	<b>Rare Plant Rank:</b>	1B.1
<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G2T2 <b>State:</b> S2	<b>Other Lists:</b>	

<b>General Habitat:</b>	<b>Micro Habitat:</b>
VERNAL POOLS.	CLAY SOILS WITHIN NON-NATIVE GRASSLAND. 45-100 M.

<b>Last Date Observed:</b>	1971-04-09	<b>Occurrence Type:</b>	Natural/Native occurrence
<b>Last Survey Date:</b>	1971-04-09	<b>Occurrence Rank:</b>	Unknown
<b>Owner/Manager:</b>	UNKNOWN	<b>Trend:</b>	Unknown
<b>Presence:</b>	Presumed Extant		

**Location:**  
 NORTHERN LIMITS OF LINCOLN, PLACER COUNTY.

**Detailed Location:**  
 EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB IN THE VICINITY OF LINCOLN.

**Ecological:**  
 RAIN POOL IN VALLEY GRASSLAND.

**Threats:**  
**General:**  
 ONLY SOURCE OF INFORMATION FOR THIS SITE IS COLLECTION BY TRUE. NEEDS FIELDWORK.

<b>PLSS:</b>	T12N, R06E, Sec. 15 (M)	<b>Accuracy:</b>	1 mile	<b>Area (acres):</b>	0
<b>UTM:</b>	Zone-10 N4306239 E648065	<b>Latitude/Longitude:</b>	38.89256 / -121.29270	<b>Elevation (feet):</b>	160

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 TRU71S0002 TRUE, G. - TRUE #6473 CAS 1971-04-09



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



**Map Index Number:** 23872  
**Key Quad:** Lincoln (3812183)  
**Occurrence Number:** 31

**EO Index:** 5225  
**Element Code:** PDSCR0R060  
**Occurrence Last Updated:** 2013-05-23

**Scientific Name:** *Gratiola heterosepala*  
**Listing Status:** **Federal:** None  
**State:** Endangered  
**CNDDB Element Ranks:** **Global:** G2  
**State:** S2

**Common Name:** Boggs Lake hedge-hyssop  
**Rare Plant Rank:** 1B.2  
**Other Lists:** BLM\_S-Sensitive

**General Habitat:**  
 MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.

**Micro Habitat:**  
 CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 10-2375 M.

**Last Date Observed:** 1989-04-20  
**Last Survey Date:** 1989-04-20  
**Owner/Manager:** PVT  
**Presence:** Presumed Extant

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

**Location:**  
 0.7 MILE N OF ENTRANCE TO CLAY PIT, 1.2 ROAD MILES S OF WISE ROAD INTERSECTION, ABOUT 2.2 AIR MILES NW OF LINCOLN.

**Detailed Location:**  
 700 FT EAST OF HWY 65.

**Ecological:**  
 ASSOCIATED WITH PLAGIOBOTHRYUS STIPITATUS STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, G. EBRACTEATA, NAVARRETIA LEUCOCEPHALA, AND DOWNINGIA PUSILLA (ALSO RARE).

**Threats:**  
 AREA GRAZED. LINCOLN AREA GROWING RAPIDLY; PROPERTY FOR SALE IN 1989.

**General:**  
 FEWER THAN 200 PLANTS OBSERVED IN 1989.

<b>PLSS:</b> T12N, R06E, Sec. 04, SW (M)	<b>Accuracy:</b> 80 meters	<b>Area (acres):</b> 0
<b>UTM:</b> Zone-10 N4308723 E645702	<b>Latitude/Longitude:</b> 38.91533 / -121.31941	<b>Elevation (feet):</b> 155

<b>County Summary:</b>	<b>Quad Summary:</b>
Placer	Lincoln (3812183)

**Sources:**  
 MAR89F0003 MARTZ, C. - FIELD SURVEY FORM FOR DOWNINGIA PUSILLA & GRATIOLA HETEROSEPALA 1989-04-20  
 MAR89S0003 MARTZ, C. - MARTZ #281 CAS #819336 1989-04-20



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



**Map Index Number:** 30031

**EO Index:** 5555

**Key Quad:** Lincoln (3812183)

**Element Code:** PMJUN011L1

**Occurrence Number:** 3

**Occurrence Last Updated:** 1994-05-27

**Scientific Name:** *Juncus leiospermus var. ahartii*

**Common Name:** Ahart's dwarf rush

**Listing Status:** **Federal:** None

**Rare Plant Rank:** 1B.2

**State:** None

**Other Lists:**

**CNDDDB Element Ranks:** **Global:** G2T1

**State:** S1

**General Habitat:**

VALLEY AND FOOTHILL GRASSLAND.

**Micro Habitat:**

RESTRICTED TO THE EDGES OF VERNAL POOLS IN GRASSLAND. 30-100 M.

**Last Date Observed:** 1990-04-12

**Occurrence Type:** Natural/Native occurrence

**Last Survey Date:** 1990-04-12

**Occurrence Rank:** Fair

**Owner/Manager:** PVT

**Trend:** Unknown

**Presence:** Presumed Extant

**Location:**

1 MILE EAST OF THE LINCOLN AIRPORT, LINCOLN.

**Detailed Location:**

MAPPED 0.85 MILE NORTH OF NICHOLAS ROAD AND 0.3 MILE SOUTH OF HIGHWAY 65 WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 9. SITE IS WEST OF CLAY PIPE FACTORY ON HWY 65.

**Ecological:**

VERNAL POOLS AND SWALES ON GOPHER TURNINGS. DOMINANTS ARE LASTHENIA FREMONTII, DESCHAMPSIA DANTHONIODES, AND ERYNGIUM VASEYI. SPECIES TENDS TOWARDS POOL MARGINS AND IS ASSOCIATED WITH J. CAPITATUS, J. UNCIALIS, GRATIOLA, AND MIMULUS.

**Threats:**

MUCH DISTURBANCE BY ORVS, RECENT ROAD CONSTRUCTION, CATTLE GRAZING, AND NEARBY DEVELOPMENT.

**General:**

45 PLANTS OBSERVED IN 1990. SITE IS SLATED FOR SUBDIVISION; DEVELOPER PLANS ON PRESERVING SOME VERNAL POOLS, NONE OF WHICH HAVE BEEN SHOWN TO HAVE JUNCUS LEIOSPERMUS AHARTII. SITE INTERESTING DUE TO NUMEROUS SEEP AREAS.

**PLSS:** T12N, R06E, Sec. 09, NW (M)

**Accuracy:** 80 meters

**Area (acres):** 0

**UTM:** Zone-10 N4308120 E645529

**Latitude/Longitude:** 38.90993 / -121.32154

**Elevation (feet):** 135

**County Summary:**

Placer

**Quad Summary:**

Lincoln (3812183)

**Sources:**

WIT90F0010 WITHAM, C. & G. KAREOFELAS - FIELD SURVEY FORM FOR JUNCUS LEIOSPERMUS VAR. AHARTII 1990-04-12

WIT90S0001 WITHAM, C. - WITHAM #139 UC #1565206 1990-04-12