CH2M HILL 2485 Natomas Park Drive Suite 600 Sacramento, CA 95833-2937 Tel 916.920.0300 Fax 916.920.8463



February 10, 2010

Mr. Rod Jones Project Manager California Energy Commission 1516 Ninth Street Sacramento, CA 95814-5512

DOCKET 08-AFC-11			
DATE	FEB 10 2010		
RECD.	FEB 10 2010		

#### Subject: CPV Vaca Station (08-AFC-11) Biological Assessment, Biological Assessment for Central Valley Steelhead, Preliminary Jurisdictional Waters Delineation Study, and 404 Permit Application

Dear Mr. Jones:

Attached please find one original and 12 hard copies and 1 CD of CPV Vaca Station, LLC's Biological Assessment, Biological Assessment for Central Valley Steelhead, Preliminary Jurisdictional Waters Delineation Study, and 404 Permit Application for the CPV Vaca Station Project (08-AFC-11).

If you have any questions about this matter, please contact me at (916) 286-0278 or Sarah Madams at (916) 286-0249.

Sincerely,

CH2M HILL

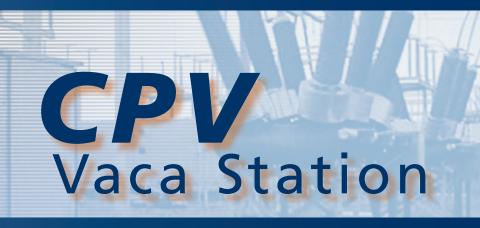
The 3 harry

Douglas M. Davy, Ph.D. AFC Project Manager

Attachment

cc: A. Welch (CPV) S. Madams

### **Biological Assessment**





With Technical Assistance by



February 2010

EY092009004SAC

Biological Assessment

# Biological Assessment for the CPV Vaca Station Project

Vacaville, Solano County, California (08-AFC-11)

Prepared for

# U.S. Fish and Wildlife Service

2800 Cottage Way, Room W-2605 Sacramento, CA 95825-1846

Submitted by

**CPV Vacaville, LLC** 

CPV Vacaville, LLC Contact: Andrew Welch Vice President 8403 Colesville Road Suite 915 Silver Spring, MD 20910

With Technical Assistance by

CH2MHILL

2485 Natomas Park Drive Suite 600 Sacramento, CA 95833

February 2010

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# **Acronyms and Abbreviations**

BA	biological assessment
CAISO	California Independent System Operator
CEC	California Energy Commission
CF	community facilities
CFR	Code of Federal Regulations
City	City of Vacaville
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CPV	CPV Vacaville, LLC
CPVVS	CPV Vaca Station
CTG	combustion turbine generator
ESA	Endangered Species Act
EWTP	Easterly Wastewater Treatment Plant
FR	Federal Register
HRSG	heat recovery steam generator
kV	kilovolt(s)
kW	kilowatt(s)
mgd	million gallon(s) per day
МНСР	Multispecies Habitat Conservation Plan
MW	megawatt(s)
NMFS	National Marine Fisheries Service
PG&E	Pacific Gas and Electric Company
SCR	selective catalytic reduction
STG	steam turbine generator
TSD	treatment, storage, and disposal
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
ZLD	zero liquid discharge

# section 1 Introduction

This Biological Assessment (BA) provides a review of the proposed CPV Vaca Station (CPVVS or Project) to determine to what extent the Project may affect federally listed endangered, threatened, proposed, or candidate species and critical habitats within the action area of the proposed Project under the jurisdiction of the U.S. Fish and Wildlife Service (USFWS). The proposed federal action is the issuance of a permit by the U.S. Army Corps of Engineers (USACE) under Clean Water Act Section 404 to authorize potential Project effects to Waters of the U.S. under the jurisdiction of the USACE. This BA has been prepared in accordance with legal requirements set forth under Section 7 of the Endangered Species Act (16 U.S.C. 1536 [c]) (ESA), and follows the standards established in the ESA guidance. A separate BA is being prepared and an ESA Section 7 consultation is being conducted with the National Marine Fisheries Service (NMFS) for federal species under its regulatory jurisdiction.

# 1.1 Purpose and Need of the Proposed Action

CPV Vacaville, LLC (CPV or Applicant) proposes to construct, own, and operate an electrical generating plant in Vacaville, Solano County, California. The CPVVS will be a natural gas-fired, combined-cycle electrical generating facility rated at a nominal generating capacity of 660 megawatts (MW). Because the Project may impact jurisdictional Waters of the U.S., a Clean Water Act Section 404 authorization is necessary to construct and operate the Project.

The CPVVS would provide needed electric generation capacity with improved efficiency and operational flexibility to help meet Northern California's long-term electricity needs. Pacific Gas and Electric Company (PG&E) has identified a near-term need for new power facilities that can be online by or before 2015 and that can support easily dispatchable and flexible system operation. PG&E has recently issued a Request for Offers to obtain these energy resources from qualified bidders. The CPVVS's project objectives are consistent with this need as follows:

- Provide the most efficient, reliable, and predictable power supply available by using combined-cycle natural gas-fired combustion turbine technology capable of supporting the growing power needs of Solano County and the Vacaville area.
- Use state-of-the-art technology to provide operational flexibility and rapid-start and dispatch capability.
- Site the project adjacent to or near a wastewater treatment plant with the capacity to provide up to 6.3 million gallons per day (mgd) of recycled water for cooling and other plant makeup water uses.

- Site the project as near as possible to 230-kilovolt (kV) high-voltage electrical transmission lines and a high-pressure natural gas transmission pipeline.
- Minimize environmental impacts.

# 1.2 Section 7 Endangered Species Act Consultation

Informal consultation with the USFWS regarding the Project has included the following communications:

- June 23, 2008. Call to John Cleckler to determine appropriate avoidance measures related to potential federally listed vernal pool branchiopod habitat near the CPVVS site. Photographs of and a narrative description of the basin were e-mailed on June 25 and forwarded to Michelle Tovar. Call received on July 1, 2008, advising that a request for technical assistance be prepared.
- April 6 through July 2, 2009. Left messages with Michelle Tovar requesting guidance on giant garter snake (*Thamnophis gigas*) consultation.
- April 21, 2009. E-mail correspondence between Rod Jones from the California Energy Commission (CEC) and Michelle Tovar regarding plant surveys and potential effects to giant garter snake.
- July 7, 2009. Call received from Michelle Tovar advising formal consultation and preparation of a BA to address potential take of giant garter snake.

Consultation will be initiated by the USACE through the Section 7 process. A preliminary jurisdictional wetland delineation report and preconstruction notification will be submitted to USACE in support of Clean Water Act Section 404 Nationwide Permits 7 and 12 to address impacts to potential Waters of the U.S. associated with a detention basin stormwater outfall that drains to a roadside ditch. The installation of this outfall drain represents a possible direct effect to potential giant garter snake aquatic habitat.<sup>1</sup>

The California Department of Fish and Game has been consulted on potential issues related to streambed alteration, Swainson's hawk, and western pond turtle incidental take. A California Endangered Species Act Section 2081 permit for this project may also be required.

The Project is within the plan area of the Draft Solano Multispecies Habitat Conservation Plan (MHCP); however, the project is not pursuing coverage under the Draft Solano MHCP because the plan has not been finalized.

<sup>&</sup>lt;sup>1</sup> It may not be possible for the Project to satisfy its consultation obligation through the *Programmatic Formal Consultation for U.S. Army Corps of Engineers 404 Permitted Projects with Relatively Small Effects on the Giant Garter Snake within Butte, Colusa, Glenn, Fresno, Merced, Sacramento, San Joaquin, Solano, Stanislaus, Sutter and Yolo Counties, California* (USFWS, 1997). Direct effects to potential giant garter snake upland habitat are limited to the area within 200 feet of this roadside ditch. Because this ditch has been determined to provide suitable habitat, permanent effects to adjacent uplands within 200 feet will exceed the 3.0 acre limit stipulated in the Programmatic Formal Consultation.

# Description of the Proposed Project

The CPVVS is proposed for a 24-acre site at the intersection of Lewis and Fry roads in a rural area within the city limits of Vacaville, California. The project site is located in the United States Geological Survey 7.5-minute *Elmira* quadrangle in Township 6N, Range 1E, in the northeast quarter of Section 30. Surrounding land uses include the City of Vacaville's (City) wastewater treatment plant to the northwest and agricultural uses to the east, west, and south. Figure 2-1 shows the proposed Project and vicinity.

Assuming the project receives a CEC license early in 2010, detailed design and construction of the CPVVS will begin in spring 2011 and will last approximately 30 months. Pre-operational testing of the power plant will begin in fall 2012, and full-scale commercial operation is expected to commence by spring 2013.

The Project will include the following features:

- The Project is a 660-MW nominal, natural-gas-fired, combined-cycle generating plant with either two General Electric Frame 7FA or two Siemens SGT6 5000F combustion turbine generators (CTGs), a single condensing steam turbine generator (STG), a de-aerating surface condenser, a 12-cell mechanical draft cooling tower, and associated support equipment.
- The CTGs will be equipped with evaporative coolers on the inlet air system and dry low NO<sub>x</sub> combustors.
- The heat recovery steam generators (HRSGs) will be of the horizontal, natural circulation type, equipped with duct burners. The emission reduction system will include a selective catalytic reduction (SCR) unit to control NO<sub>x</sub> stack emissions and an oxidation catalyst to control carbon monoxide and volatile organic compound emissions.
- A nominal 1,000-kilowatt (kW), diesel-fired emergency backup generator will also be included in the Project.
- The Project makeup water supply will consist entirely of reclaimed secondary-treated wastewater from the Easterly Wastewater Treatment Plant (EWTP). The secondary-treated wastewater supply from the EWTP will be treated on site to meet California Title 22 requirements for the industrial reuse of secondary-treated wastewaters. Tertiary treatment filter backwash will be returned to the headworks of the EWTP.
- A zero liquid discharge (ZLD) treatment system will process all plant wastewater streams not recovered for reuse within the project. Small quantities of specific wastewaters (such as some equipment cleaning wastewaters) that cannot be made suitable for treatment in the ZLD system or plant reuse will be collected for offsite disposal at a licensed treatment, storage, and disposal (TSD) facility. As a result, no process wastewater (except for the tertiary-treatment system filter backwash) will be discharged from the Project.

- The Project will use a small amount of the local municipal drinking water supply for plant personnel potable water uses.
- The natural gas pipeline will be trenched within the north shoulder of Fry Road and will be bored beneath agricultural drainages and irrigation canals to avoid effects to potential giant garter snake aquatic habitat and potentially jurisdictional Waters of the U.S.
- The electrical transmission towers will not be placed within agricultural drainages or irrigation canals.
- An onsite detention basin is intended to temporarily capture and continuously release onsite stormwater runoff into the existing downstream drainage facilities.
- One permanent and several temporary access routes from Lewis Road will be created to support heavy construction equipment (drill rig, bulldozers, pipe truck, etc.) and operational traffic.

# 2.1 Construction Activities

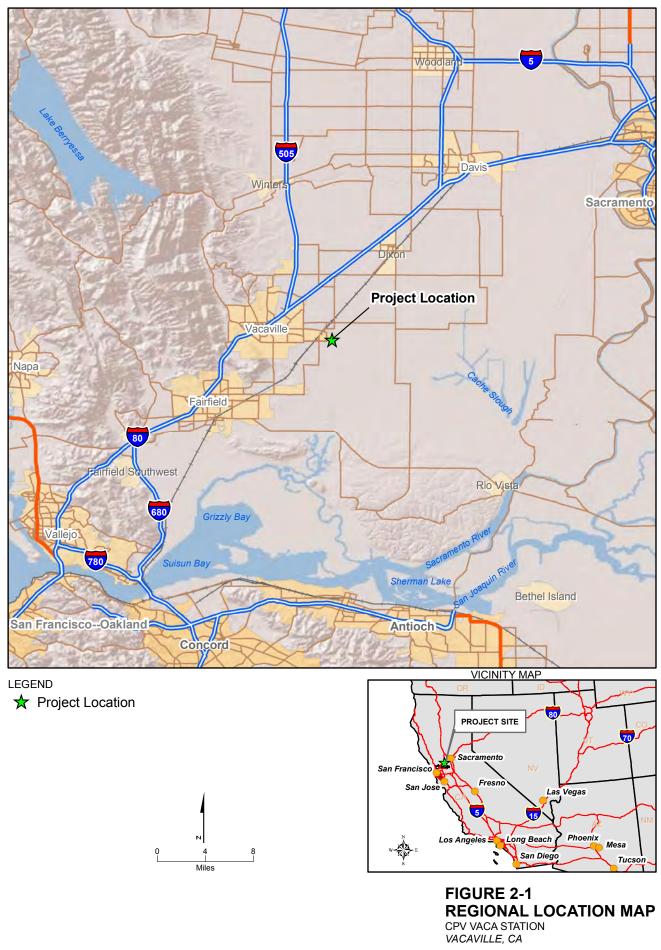
It is anticipated that the project will receive a license decision from the CEC by fall 2010, and that detailed design and construction of the CPVVS will begin in spring 2011 and last approximately 30 months. Pre-operational testing of the power plant will begin in fall 2012, and full-scale commercial operation is expected to begin by spring 2013. Major milestones are listed in Table 2-1.

CPVVS Project Schedule Major Milestones		
Activity	Date	
Begin construction	Spring 2011	
Startup and test	Fall 2012	
Commercial operation	Spring 2013	

TABLE 2-1

During construction, an onsite workforce composed of construction workers and supervisory, support, and construction management personnel is estimated to average 300 and peak at approximately 670 individuals.

Typically, noisy construction will be scheduled to occur between 6:00 a.m. and 7:00 p.m. on weekdays and Saturdays. Additional hours may be necessary to make up schedule deficiencies or to complete critical construction activities (for example, pouring concrete at night during hot weather, or working around time-critical shutdowns and constraints). During some construction periods and during the startup phase of the Project, some activities will continue 24 hours per day, 7 days per week.



The peak construction site workforce level is expected to last from months 10 through 17 of the 24-month construction period, with the peak being month 14. Table 2-2 provides an estimate of the average and peak construction traffic during the 24-month construction period.

Vehicle Type	Average Daily Trips	Peak Daily Trips
Construction workers	298	664
Deliveries	4	24
Total	302	688

TABLE 2-2 Estimated Average and Peak Construction Traffic for the CPVVS

Construction laydown and parking areas will be within existing site boundaries and on City property on a 24-acre parcel immediately north of the 24-acre plant site (see Figure 2-2). Construction access will generally be from Lewis Road via Fry Road. Materials and equipment will be delivered by truck.

The proposed new substation and 230-kV transmission line between the substation and the CPVVS facility will be located west of the facility and north of Fry Road (Figure 2-2). The proposed substation is approximately 150 feet southeast of the Dally Main irrigation canal and is hydrologically separated from the canal. Eight proposed 100-square-foot transmission tower pads would permanently disturb a collective total of 0.018 acre. Except for locations that would cross existing roads and associated drainage ditches, the substation and 230-kV transmission line would be placed entirely within active and inactive agriculture areas (Figure 2-2).

The new gas pipeline between the CPVVS and the PG&E natural gas pipeline located east of Lewis Road would be placed within the paved shoulder of Fry Road, adjacent to active agriculture fields primarily comprising pasture and row crops. The pipeline trench would be approximately 1.03 miles long and 4 feet wide, and would result in the temporary disturbance of approximately 0.62 acre. The pipeline would be bored beneath agricultural drains and irrigation ditches to minimize effects to potential jurisdictional wetlands and potential giant garter snake aquatic habitat. Pipeline installation will be conducted early in the dry season and will be revegetated prior to winter rains; therefore, no effects are expected to occur in potential habitat downgradient of the pipeline.

# 2.2 Facility Operation

The facility will be capable of being dispatched throughout the year and will have annual availability in the general range of 92 to 98 percent. It will be possible for plant availability to exceed 98 percent for a given 12-month period.

The CPVVS will employ a staff of 31, including plant operation technicians, supervisors, administrative personnel, mechanics, engineers, chemists, and electricians (Table 2-3) in three rotating shifts. The facility will be capable of operating 24 hours per day, 7 days per week.

The CPVVS is designed as a base load facility. Because the combined-cycle configuration will be more efficient than any of the aging gas-fired steam generation facilities in

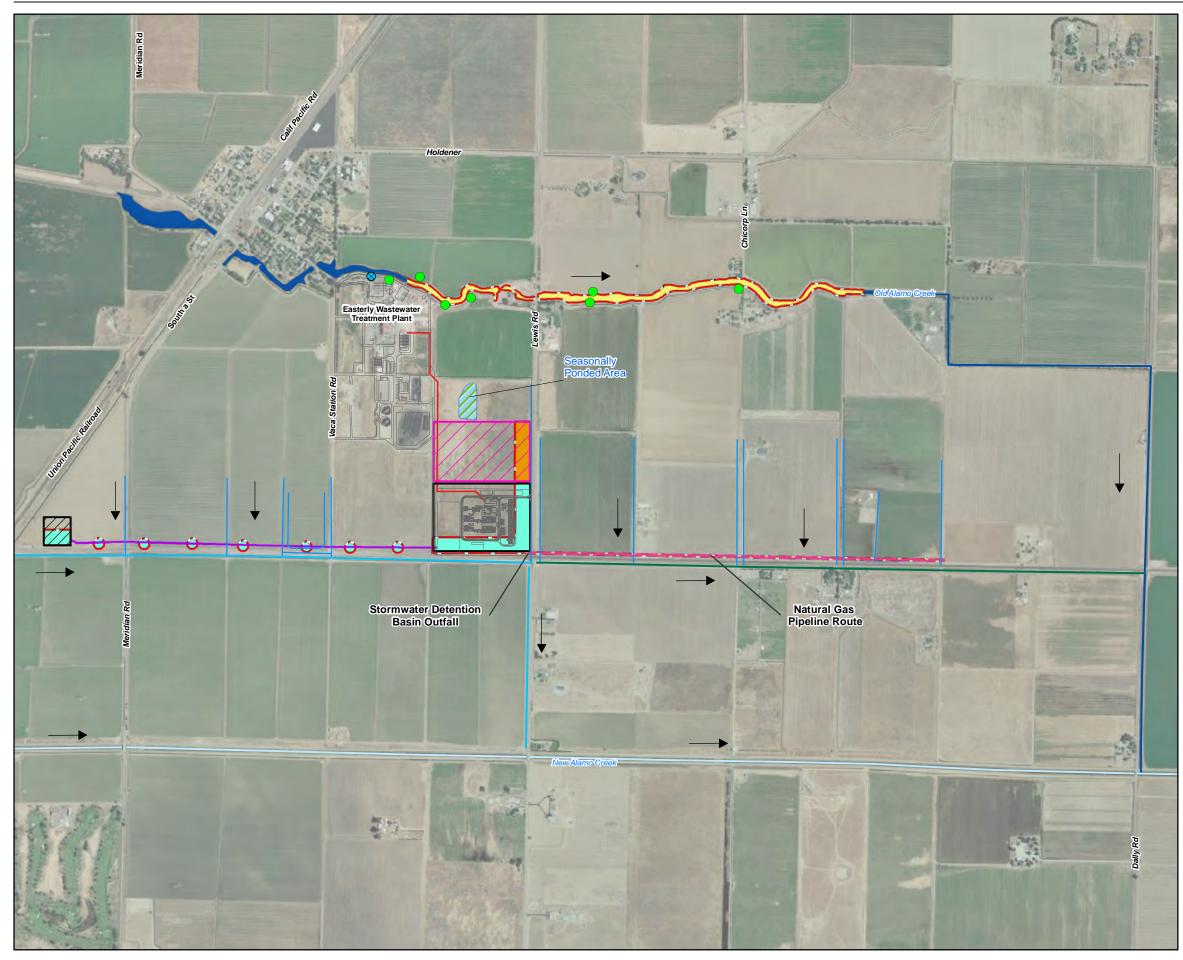
TABLE 2-3
Operating Employees

Classification	Number	
Power Plant Technicians	13	
Lead Power Plant Technicians	4	
Operations Supervisor	1	
Engineer	1	
Environmental Health and Safety Coordinator	1	
Chemist	1	
Plant Manager	1	
Procurement Specialist	1	
Administrative Supervisor	1	
Administrative Assistant	1	
Maintenance Supervisor	1	
Maintenance Safety Engineer	1	
Instrument and Control Technicians	2	
Electrician	1	
Mechanic	1	
Total	31	

Northern California, the CPVVS will be frequently dispatched and will operate on the order of approximately a 60 to 80 percent annual capacity factor. The actual capacity factor in any month or year will depend on weather-related customer demand, load growth, hydroelectric supplies, generating unit retirements and replacements, the level of generating unit and transmission outages, and other factors. The exact operational profile of the plant will be dependent on weather conditions and the power purchaser's economic dispatch decisions.

The facility could be operated in one or all of the following modes:

- **Base Load.** The facility would be operated at maximum continuous output for as many hours per year as dispatched by load dispatch. During high ambient temperature periods, when gas turbine output would otherwise decrease, duct firing and/or power augmentation by steam injection into the combustion turbines may be used to keep plant output at the desired load.
- Load Following. The facility would be available at contractual load but operated at less than maximum available output at high load times of the day. The output of each unit would therefore be adjusted periodically, either by schedule or automatic generation control, to meet whatever load proved profitable to the power purchaser or necessary by California Independent System Operator (CAISO).



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#### LEGEND

- Sew TP Outflow Location
- Elderberry Shrub Location
- Canals, Ditches and Drainages
- ----- Eastern Primary Drainage
- New Alamo Creek
- Old Alamo Creek
- Direction of Flow
- ----- Electrical Transmission Line Route
- Seasonally Ponded Area

Project Elements

- C Footers ----- Utility Corridor to EWTP
- ----- Natural Gas Pipeline Route
- New Substation
- Laydown Area

#### Project Effects in Species Habitat

- Temporary
- Permanent Indirect

This map was compiled from various scale source data and maps and is intended for use as only an approximate representation of actual locations.

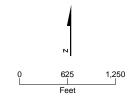


FIGURE 2-2 **CPVVS PROJECT LAYOUT AND ACTION AREAS** CPV VACA STATION VACAVILLE, CALIFORNIA

- **Partial Shutdown.** One of the CTGs/HRSGs would be shut down and the other would be operating at full load or in load following mode. If the shutdown unit is not undergoing maintenance, it will in most cases be available to the power purchaser and the CAISO as non-spinning reserve unit. This mode of operation can be expected to occur during average- to low-load hours (off-peak hours, weekends).
- **Full Shutdown.** This would occur if forced by equipment malfunction, fuel supply interruption, transmission line disconnect, or scheduled maintenance of equipment common to all units.

In the unlikely event of a situation that causes a longer-term cessation of operations, security of the facilities will be maintained on a 24-hour basis, and the CEC will be notified. Depending on the length of shutdown, a contingency plan for the temporary cessation of operations may be implemented. Such a contingency plan will conform with all applicable regulations and protection of public health, safety, and the environment. The plan, depending on the expected duration of the shutdown, could include the draining of all chemicals from storage tanks and other equipment and the safe shutdown of all equipment. All wastes will be disposed of according to applicable regulations. If the cessation of operations becomes permanent, the plant will be decommissioned.

# Description of the Action Area

The action area<sup>2</sup> is the combined area of direct and indirect effects to federally listed species. This section addresses possible effects of the proposed action in areas subject to direct effects that could occur during construction (site grading and utility trenching) and operations, as well as indirect effects caused by or resulting from the Project that are reasonably certain to occur later in time. Direct and indirect effects are discussed further in Sections 5.1 and 5.2, respectively.

Potentially suitable habitat for one federally listed species has been identified within the project site and linear appurtenances. The Project may affect, and is likely to adversely affect, giant garter snake potential aquatic and upland habitat, including potential habitat in the Old Alamo Creek riparian corridor and portions of the project footprint within 200 feet of agricultural drainages and irrigation canals (Figure 2-2). The giant garter snake Mid-Valley Recovery Unit is within 0.25 mile of the eastern limit of the project site. With the implementation of conservation measures discussed in Section 5.4, direct and indirect effects to giant garter snake will be limited to areas within 200 feet of potentially suitable aquatic habitat; therefore, the action area includes areas downstream of the EWTP outflow and areas within 200 feet of agricultural drainages and irrigation canals that are within the limit of permanent and temporary construction-related disturbance (Figure 2-2).

Habitat and plant community surveys were conducted within the area of the proposed action, including the CPVVS site, the natural gas pipeline alignment, and the 230-kV transmission line alignment, to classify habitat and plant communities and to assess the likelihood of federally listed species occurrence.

Currently, the CPVVS facility and temporary construction laydown sites are zoned Community Facilities (CF) and are designated in the Vacaville General Plan as Unique Farmland, or farmland that is other than Prime or of Statewide importance, with lesser quality soils (City of Vacaville, 2007). During initial field surveys, it was determined that the CPVVS facility and construction laydown sites occupy 48 contiguous acres of former agricultural land that had become heavily vegetated with ruderal herbaceous species including black mustard (*Brassica nigra*), wild radish (*Raphanus sativa*), and milk thistle (*Silybum marianum*).

No trees are present within the CPVVS facility and construction laydown areas. A riparian woodland associated with Old Alamo Creek is located 0.18 mile north of the temporary construction laydown area. The dominant trees in riparian woodland are most commonly winter-deciduous, broadleaved trees, up to 60 feet in height, with a canopy cover ranging from relatively open to very dense. The riparian woodland community is dominated by

<sup>&</sup>lt;sup>2</sup> The size of the action area is determined by identifying and combining all potential federally listed species habitat that will potentially be directly or indirectly affected by the proposed action. Certain species (e.g., Swainson's hawk) with large home ranges may require evaluation up to 10 miles, while other species (e.g., giant garter snake) require a much smaller action area evaluation.

valley oak, California buckeye (*Aesculus californica*), blue elderberry (*Sambucus mexicana*), and poison oak (*Toxicodendron diversiloba*).

Old Alamo Creek has been disconnected from its natural watershed about 2.6 miles upstream of the EWTP. As a result, nearly all of the runoff in this watershed is now conveyed by New Alamo Creek (Figure 2-2). It is for this reason that the average monthly flow in Old Alamo Creek upstream of the EWTP is zero or near zero for all months of the year, although there is some irrigation return water during the summer and some stormwater runoff during the winter months. The flows from the EWTP downstream to its confluence with New Alamo Creek consist mostly of water discharged from the EWTP and agricultural return flows entering Old Alamo Creek downstream of the EWTP (Figure 2-2). Riparian habitat within Old Alamo Creek is well established both upstream and downstream of the EWTP, with overhanging trees that shade the creek, exposed banks, and emergent vegetation.

The Draft Solano MHCP describes Alamo Creek as a priority drainage and watershed area that represents a high value conservation area (LSA, 2007). This riparian area provides a movement corridor as well as cover, roosting, and nesting opportunities for numerous species. It may also provide habitat for valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) because blue elderberry (*Sambucus mexicana*) shrubs occur in the riparian zone (Figure 2-2). This riparian corridor extends from the interior Coast Range east of the CPVVS site through the City to agricultural fields west of the CPVVS site. Within 1 mile of the CPVVS site, Old Alamo Creek becomes channelized as an irrigation canal prior to its confluence with New Alamo Creek. Water flow at the confluence is regulated by a series of flap gates that prevent fish migration from New Alamo Creek into Old Alamo Creek. Potential effects that the Project may have to the federally threatened Central Valley Steelhead (*Oncorhynchus mykiss*) and the federal species of concern Central Valley fall- and late-fall-run chinook salmon (*Oncorhynchus tshawytscha*) that may occur in New Alamo Creek are addressed in a separate BA prepared for the USACE (CH2M HILL, 2009).

A shallow basin, constructed sometime after 1997 as an area for drying sludge for later transport off site, is located more than 30 feet north of the temporary construction laydown area. The basin is no longer used as a sludge drying area, but is still bound on all sides by a constructed berm that hydrologically separates it from the CPVVS and construction laydown sites. The National Wetlands Inventory characterizes this basin as artificially and permanently flooded palustrine wetlands, but no permanent water source currently supplies this area (Econmon, 2008). During field surveys, vegetation in this basin was composed of weedy plant species similar to those observed within the CPVVS site and construction laydown area, with the lowest elevations of the basin shallowly ponded and unvegetated. Although currently disked, this basin may seasonally pond water for a sufficient period to provide potential habitat for federally listed vernal pool branchiopod species. The sludge basin will not be adversely affected by the Project and is not within the action area.

The proposed new substation and 230-kV transmission line between the substation and the CPVVS are located within an area zoned for agriculture (A40). The proposed substation is approximately 150 feet southeast and downgradient of the Dally Main irrigation canal, so it is hydrologically separated from the canal. Except for locations that would cross existing roads and associated drainage ditches, the substation and 230-kV transmission line would be placed entirely within active and inactive agriculture areas (Figure 2-2). The inactive

agricultural areas are east of Vaca Station Road, adjacent and similar to the disked CPVVS and construction laydown sites discussed previously. Active agricultural areas are located west of Vaca Station Road and are planted in various crops including grain and alfalfa. Agricultural drains and adjacent areas within agricultural habitat may provide aquatic and upland foraging habitat for giant garter snake.

The pipeline between the CPVVS and the PG&E natural gas pipeline located approximately 1.03 miles east of the CPVVS site would be placed within the paved shoulder of Fry Road, adjacent to active agriculture fields primarily comprising pasture and row crops. The eastern limit of this pipeline is within 0.25 mile of the Mid-Valley Recovery Unit for giant garter snake.

# 4.1 Technical Support Studies Relevant to the Proposed Action

Technical support studies, literature review, USFWS Ecological Field Services online queries (Appendix A), California Natural Diversity Database (CNDDB) queries (Appendix B), and distribution data available from USFWS recovery plans relevant to the action area were used to identify potential listed species and listed species habitat that may be present within the action area. Two studies, a general reconnaissance survey and a botanical survey, have been conducted to determine the status of federally listed species and suitable habitat within the CPVVS action area.

#### 4.1.1 Sensitive and Special-status Plant Species

The USFWS official species list for the CPVVS project was evaluated to determine species habitat requirements. These requirements were then compared with habitat observed in the action area to develop a list of plant species with potential to occur within the CPVVS action area (Appendix C, Table 1). This list includes regulatory status, habitat requirements, occurrence determination, and a rationale for the occurrence determination. Figure 4-1 shows the previously recorded locations of special-status plant species within the vicinity of the CPVVS site. The results of a botanical survey for the Project are included in Appendix D.

The CNDDB reports the historical (1892–1909) occurrence of one federally endangered plant species, two-fork clover (*Trifolium amoenum*), in "rich swales" near the town of Elmira, north of the CPVVS project. The record does not contain a specific location, and no similar swale habitat is present in the Project area. Although the CNDDB record lists the occurrence as presumed extant, the California Native Plant Society (CNPS) has determined that this species is extirpated from Solano County (CNPS, 2008), and the official USFWS species list for Solano County does not include this species (Appendix D). Therefore, two-fork clover is presumed to be extirpated from the action area and is not addressed further in this BA.

All habitats within the CPVVS site have been previously altered, and there are no natural plant communities within areas of ground disturbance for the CPVVS main facility site, the construction laydown area, the 230-kV transmission line, or the natural gas pipeline. Based on the results of field surveys for rare plants, no federally listed plant species are expected to occur within the CPVVS action area.

#### 4.1.2 Sensitive or Special-status Wildlife Species

During field surveys, the USFWS official species list was evaluated against observed conditions to develop a list of species with potential to occur within the CPVVS action area. Appendix C, Table 2, contains a table of federally listed wildlife species determined during the pre-field investigation to have potential to occur within the area of the proposed action.

The table lists each species, its status, habitat requirements, and occurrence potential determination, and a rationale for the occurrence determination within the action area.

#### 4.1.3 Wetland Delineation

A preliminary delineation of wetlands and other Waters of the U.S. was conducted on July 10, 2008, and March 17, 2009 (Appendix E). The Project has been designed to minimize direct impacts to USACE jurisdictional waters associated with the basin north of the temporary construction laydown area and 14 agricultural drainages and irrigation canals that run north to south within the action area. Construction of the towers for the 230-kV electrical transmission line in the western portion of the action area and the natural gas pipeline in the eastern portion of the action area will minimize impacts to agricultural drainages and irrigation canals.

# 4.2 Species Considered for Analysis

A species list of federally endangered, threatened, proposed, or candidate species within Solano County was obtained from the USFWS Sacramento Ecological Field Services via an online query system on May 13, 2008 (Appendix A). This list functions as the official species list issued by the Ecological Services Office pursuant to 50 Code of Federal Regulations (CFR) 402.12(e). Tables 1 and 2 in Appendix C summarize the seven federally listed plant and 23 federally listed animal species that were identified in the official species list and provides the habitat requirements for each species, its potential to occur within the action area, and a rationale for the occurrence potential determination. Figure 4-1 shows the known distribution of these species within 10 miles of the project. Of the 30 federally listed species identified, habitat evaluations determined that the following seven species have potential to occur within the CPVVS action area:

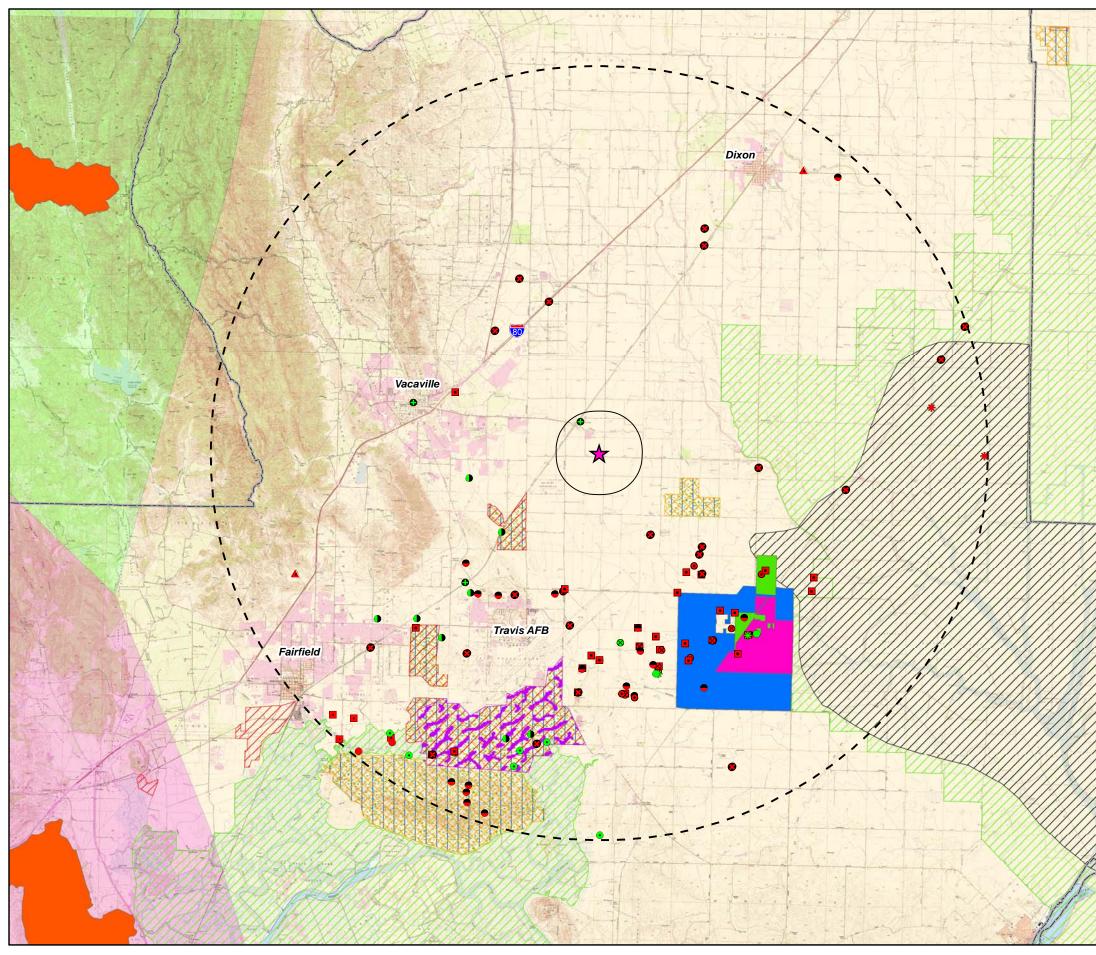
- Conservancy fairy shrimp (*Branchinecta conservatio*), endangered
- Vernal pool fairy shrimp (Branchinecta lynchi), threatened
- Vernal pool tadpole shrimp (*Lepidurus packardi*), endangered
- Valley elderberry longhorn beetle (Desmocerus californicus dimorphus), threatened
- California red-legged frog (Rana aurora draytonii), threatened
- Giant garter snake (Thamnophis gigas), threatened
- Least tern (*Sternula* [=*Sterna*, =*albifrons*] *antillarum*), endangered

The following sections summarize the species description, listing status, life history, ecology, distribution, threats, and status within the action area for these seven species.

#### 4.2.1 Conservancy Fairy Shrimp

#### **Species Description and Listing Status**

The Conservancy fairy shrimp (*Branchinecta conservatio*) was listed on September 19, 1994, (59 CFR 48136) as endangered. Critical habitat was designated on August 6, 2003, (68 CFR 46683) and subsequently revised on February 10, 2006 (71 CFR 7117). The USFWS published a recovery plan that included this species, entitled *Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon* (USFWS, 2005). Fairy shrimp are aquatic species in the order Anostraca; the Conservancy fairy shrimp is a small crustacean in the



#### LEGEND

roject Site

#### Plants

- soft bird's-beak
- \* Crampton's tuctoria or Solano grass
- San Joaquin Valley orcutt grass
- two-fork clover
- Contra Costa goldfields
- Colusa grass

#### Animals

- California clapper rail
- Conservancy fairy shrimp
- salt-marsh harvest mouse
- ▲ valley elderberry longhorn beetle
- vernal pool fairy shrimp
- California tiger salamander
- vernal pool tadpole shrimp
- # giant garter snake
- Delta green ground beetle

#### **Critical Habitat**

- California Red-Legged Frog
- Delta green ground beetle
- Solano County Jepson Paraire Preserve
- Contra Costa Goldfields
- Vernal Pool Tadpole Shrimp
- California Tiger Salamander
- Giant Garter Snake Recovery Unit
- Delta Smelt

#### Ecoregions

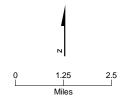
- Central California Coast Section
- Great Valley Section
- Northern California Interior Coast Ranges

#### Other Areas of Interest

- Ten Mile Study Area
- One Mile Study Area
- Solano County Line

#### Notes:

- Notes:
   Source California Dept. of Fish and Game, California Natural Diversity Database (CNDDB) April, 2008, Solano HCP EIS/EIR, 2007, Commission for Environmental Cooperation, 1997, U.S. Environmental Protection Agency, 2005.
   CNDDB data lists only Federal threatened or endangered
- species only.



This map was compiled from various scale source data and maps and is intended for use as only an approximate representation of actual locations.

FIGURE 4-1 **REGIONAL BIOLOGICAL RESOURCES** CPV VACA STATION VACAVILLE, CA

Branchinectidae family. They have delicate elongated bodies, large stalked compound eyes, no carapaces, and 11 pairs of swimming legs. Males range from 0.6 to 1.1 inches long, with females measuring slightly smaller between 0.6 and 0.9 inch (USFWS, 2005). They glide gracefully upside down, swimming by beating their legs in a complex, wavelike movement that passes from front to back. Fairy shrimp feed on algae, bacteria, protozoa, rotifers, and bits of detritus.

#### **Distribution and Threats**

The historical distribution of this species is not known (USFWS, 2005); however, the distribution of vernal pool habitats in the areas where this species is currently known to occur were once more continuous and larger in area than they are today (Holland, 1998). It is likely the Conservancy fairy shrimp once occupied vernal pool habitats throughout a large portion of the Central Valley and southern coastal regions of California (USFWS, 2005). The USFWS is currently aware of eight populations of Conservancy fairy shrimp, which include (from north to south): (1) Vina Plains, Butte, and Tehama counties; (2) Sacramento National Wildlife Refuge, Glenn County; (3) Yolo Bypass Wildlife Area, Yolo County; (4) Jepson Prairie, Solano County; (5) Mapes Ranch, Stanislaus County; (6) University of California, Merced, Merced County; (7) Grasslands Ecological Area, Merced County; and (8) Los Padres National Forest, Ventura County (USFWS, 2007a). The CNDDB reports 29 occurrences of the Conservancy fairy shrimp throughout California with 13 occurrences from Solano County (CNDDB, 2009).

Habitat loss and fragmentation is the largest threat to the survival and recovery of vernal pool species. Habitat loss generally is a result of urbanization, agricultural conversion, and mining. Habitat loss also occurs in the form of habitat alteration and degradation as a result of changes to natural hydrology; invasive species; incompatible grazing regimes, including insufficient grazing for prolonged periods; infrastructure projects (such as roads, water storage and conveyance, utilities); recreational activities (such as off-highway vehicles and hiking); erosion; climatic and environmental change; and contamination (USFWS, 2007a).

#### Life History and Ecology

Conservancy fairy shrimp are uniquely adapted to ephemeral conditions characterized by vernal pool habitats. Helm (1998) determined that this species reaches sexual maturity in an average of 46 days and lives as long as 154 days, although growth rates are dependent on water temperature, which can vary greatly. Conservancy fairy shrimp produce one large cohort of offspring each wet season (Eriksen and Belk, 1999). Conservancy fairy shrimp co-occur with several other vernal pool crustacean species, including the vernal pool fairy shrimp and the vernal pool tadpole shrimp (USFWS, 2005). Conservancy fairy shrimp are filter feeders, and leg movements described previously also play a role in straining small particles from the water.

Conservancy fairy shrimp have been observed to co-occur in the same pool with vernal pool fairy shrimp on only two occasions (Eriksen and Belk, 1999). One hypothesis for the lack of co-occurrences is that the observed feeding habits of Conservancy fairy shrimp are "hyperactive," with a high swimming and feeding pace compared with vernal pool fairy shrimp. Consequently, because Conservancy fairy shrimp produce only a large, single cohort in the season and vernal pool fairy shrimp produce smaller, multiple cohorts, the

Conservancy fairy shrimp could out-compete as well as consume vernal pool fairy shrimp nauplii before a second cohort is produced by vernal pool fairy shrimp.

#### Status within the Action Area

Conservancy fairy shrimp have not been reported within the action area. The nearest reported occurrence of Conservancy fairy shrimp is approximately 3.7 miles south of the Project (CNDDB, 2009). The shallow basin north of the proposed temporary construction laydown area provides marginal potential habitat for Conservancy fairy shrimp; however, a constructed berm hydrologically separates this basin from the temporary construction laydown area.

#### 4.2.2 Vernal Pool Fairy Shrimp

#### **Species Description and Listing Status**

The vernal pool fairy shrimp (*Branchinecta lynchi*) was listed on September 19, 1994 (59 CFR 48136) as endangered. Critical habitat was designated on August 6, 2003 (68 CFR 46683), and subsequently revised on February 10, 2006 (71 CFR 7117). The USFWS published a recovery plan that included this species entitled *Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon* (USFWS, 2005). Fairy shrimp are aquatic species in the order Anostraca; the vernal pool fairy shrimp is a small crustacean in the Branchinectidae family. They are characterized by the presence and size of several mounds on the male's second antennae, and by the female's short, pyriform brood pouch (USFWS, 2005). The species range in size from 0.4 to 1.0 inch (Eng et al., 1990; USFWS, 2005). Fairy shrimp feed on algae, bacteria, protozoa, rotifers, and bits of detritus.

#### **Distribution and Threats**

The vernal pool fairy shrimp was identified relatively recently (1990), and there is little information on the historical range of the species. However, the vernal pool fairy shrimp is currently known to occur in a wide range of vernal pool habitats in the southern and Central Valley areas of California, and in two vernal pool habitats within the "Agate Desert" area of Jackson County, Oregon (USFWS, 2007b). The distribution of vernal pool habitats in the areas where this species is now known to occur was once more continuous and larger in area than it is today (Holland, 1998). It is likely the vernal pool fairy shrimp once occupied vernal pool habitats throughout a large portion of the Central Valley and southern coastal regions of California (USFWS, 2005). Holland (1978) estimated that nearly 4,000,000 acres of vernal pool habitat existed in the Central Valley prior to intensive land use practices of the mid-1800s. The CNDDB reports 599 occurrences of vernal pool fairy shrimp in California, and 23 occurrences from Solano County (CNDDB, 2009).

Habitat loss and fragmentation is the largest threat to the survival and recovery of vernal pool species. Habitat loss generally is a result of urbanization, agricultural conversion, and mining. Habitat loss also occurs in the form of habitat alteration and degradation as a result of changes to natural hydrology; invasive species; incompatible grazing regimes, including insufficient grazing for prolonged periods; infrastructure projects (such as roads, water storage and conveyance, and utilities); recreational activities (such as off-highway vehicles and hiking); erosion; climatic and environmental change; and contamination (USFWS, 2007b).

#### Life History and Ecology

Vernal pool fairy shrimp are uniquely adapted to ephemeral conditions characterized by vernal pool habitats. Helm (1998) determined that this species reaches sexual maturity in an average of 41 days, but as few as 18 days at optimal conditions. Life cycles are reported to range from 63 to 147 days, and growth rates are dependent on water temperature, which can vary greatly. Vernal pool fairy shrimp co-occur with several other vernal pool crustacean species, including the Conservancy fairy shrimp and the vernal pool tadpole shrimp (USFWS, 2005).

#### Status within the Action Area

Vernal pool fairy shrimp have not been reported within the action area. The nearest reported occurrence of vernal pool fairy shrimp is approximately 4 miles east of the CPVVS action area (CNDDB, 2009). The shallow basin north of the proposed temporary construction laydown area provides marginal potential habitat for vernal pool fairy shrimp; however, a constructed berm hydrologically separates this basin from the temporary construction laydown area.

#### 4.2.3 Vernal Pool Tadpole Shrimp

#### **Species Description and Listing Status**

The vernal pool tadpole shrimp (*Lepidurus packardi*) was listed on September 19, 1994, (59 CFR 48136) as endangered. Critical habitat was designated on August 6, 2003, (68 CFR 46683) and subsequently revised on February 10, 2006 (71 CFR 7117). The USFWS published a recovery plan that included this species entitled *Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon* (USFWS, 2005). Tadpole shrimp are aquatic species in the order Notostraca; vernal pool tadpole shrimp is a small crustacean in the Triopsidae family. Members of order Notostraca are known as living fossils because of their morphological continuity in the fossil record over the past 2 million years (Longhurst, 1955). Vernal pool tadpole shrimp are distinguished by a large, shield-like carapace that covers the anterior side of the body. The adult form of this species measures 0.6 to 3.3 inches long.

#### **Distribution and Threats**

The vernal pool tadpole shrimp has a patchy distribution across the Central Valley of California, from Shasta County southward to northwestern Tulare County, with isolated occurrences in Alameda and Contra Costa counties. Although vernal pool tadpole shrimp are spread over a wide geographic range, their habitat is highly fragmented and they are uncommon where they are found (Helm, 1998; USFWS, 2005). The CNDDB reports 249 occurrences of the vernal pool tadpole shrimp in northern California and 30 occurrences located within Solano County (CNDDB, 2009).

Habitat loss and fragmentation is the largest threat to the survival and recovery of vernal pool species. Habitat loss generally is a result of urbanization, agricultural conversion, and mining. Habitat loss also occurs in the form of habitat alteration and degradation as a result of changes to natural hydrology; invasive species; incompatible grazing regimes, including insufficient grazing for prolonged periods; infrastructure projects (such as roads, water storage and conveyance, and utilities); recreational activities (such as off-highway vehicles and hiking); erosion; climatic and environmental change; and contamination (USFWS, 2007c).

#### Life History and Ecology

Vernal pool tadpole shrimp are uniquely adapted to ephemeral conditions characterized by vernal pool habitats. Helm (1998) determined that this species reaches sexual maturity on an average of 54 days. Life cycles are reported to last longer than other vernal pool crustaceans and have relatively higher reproduction rates. After winter rains begin filling a vernal pool, dormant tadpole shrimp cysts may hatch within 4 days (USFWS, 2005) and will emerge from cysts as metanauplii, a short stage that lasts 1.5 to 2 hours before molting into a larval form. Vernal pool tadpole shrimp co-occur with several other vernal pool crustacean species, including Conservancy fairy shrimp and the vernal pool fairy shrimp (USFWS, 2005).

#### Status within the Action Area

Vernal pool tadpole shrimp have not been reported within the action area. The nearest reported occurrence of vernal pool tadpole fairy shrimp is approximately 5 miles northwest of the action area (CNDDB, 2009). The shallow basin north of the proposed temporary construction laydown area provides marginal potential habitat for vernal pool tadpole shrimp; however, a constructed berm hydrologically separates this basin from the temporary construction laydown area.

#### 4.2.4 Valley Elderberry Longhorn Beetle

#### **Species Description and Listing Status**

The valley elderberry longhorn beetle was listed on August 8, 1980, (45 CFR 52803) as threatened. The USFWS published a recovery plan on June 28, 1984, that is currently outdated (USFWS, 2009a). On February 14, 2007, the USFWS completed a 5-year review that recommended the species be delisted. A delisting proposal has not yet been released.

Longhorn beetles (family Cerambidae) are characterized by somewhat elongate, cylindrical bodies with long antennae, often more than two-thirds of the body length. Valley elderberry longhorn beetles are stout-bodied. Males range in length from about 0.5 to nearly 1 inch (measured from the front of the head to the end of the abdomen) with antennae about as long as their bodies. Females are slightly more robust than males, measuring about 0.75 to 1 inch, with somewhat shorter antennae. Adult males have red-orange elytra (wing covers) with four elongate spots. The red-orange fades to yellow on some museum specimens. Adult females have dark colored elytra (USFWS, 2009a).

#### **Distribution and Threats**

At the time of listing in 1980, the beetle was known from less than 10 locations on the American River, Putah Creek, and Merced River. The species is now known to occur from southern Shasta County to Fresno County (USFWS, 2009a). The CNDDB reports 201 occurrences of this species in California and 7 occurrences located within Solano County (CNDDB, 2009).

Extensive destruction of California's Central Valley riparian forests has occurred during the last 150 years as a result of agricultural and urban development. According to some estimates, riparian forests in the Central Valley have declined by as much as 89 percent during that time period. The valley elderberry longhorn beetle, though wide-ranging, is in long-term decline because of human activities that have resulted in widespread alteration and fragmentation of riparian habitats, and to a lesser extent, upland habitats, which support the beetle.

The primary threats to survival of the beetle are as follows:

- Loss and alteration of habitat by agricultural conversion
- Inappropriate grazing
- Levee construction, stream and river channelization, removal of riparian vegetation, and rip-rapping of shoreline
- Nonnative animals such as the Argentine ant, which may eat the early phases of the beetle
- Recreational, industrial, and urban development

Insecticide and herbicide use in agricultural areas and along road rights-of-way may be factors limiting the beetle's distribution. The age and quality of individual elderberry shrubs/trees and stands as a food plant for the beetle may also be a factor in its limited distribution (USFWS, 2009a).

#### Life History and Ecology

The species is nearly always found on or close to its host plant, elderberry (*Sambucus* species). Females lay their eggs on the bark. Larvae hatch and burrow into the stems. The larval stage may last 2 years, after which the larvae enter the pupal stage and transform into adults. Adults are active from March to June, feeding and mating.

To be suitable as longhorn beetle habitat, elderberry shrubs must have stems 1 inch or greater in diameter at ground level. Use of the plants by the animal is rarely apparent. Frequently, the only exterior evidence of the shrub's use by the beetle is an exit hole created by the larva just before the pupal stage. Field work along the Cosumnes River and in the Folsom Lake area suggests that larval galleries can be found in elderberry stems with no evidence of exit holes. The larvae either succumb before constructing an exit hole or are not far enough along in the developmental process to construct an exit hole.

#### Status within the Action Area

Valley elderberry longhorn beetles have not been previously reported within the action area. The nearest reported occurrence of this species is approximately 11 miles southwest of the project (CNDDB, 2009). Approximately 30 elderberry shrubs with stems between 1 and 3 inches in diameter have been identified in 7 locations along the upper banks of the Old Alamo creek corridor, approximately 10 feet above the observed water surface elevation. Therefore, these shrubs likely obtain water from precipitation and adjacent subsurface infiltration of agricultural irrigation. The CPVVS would cause a reduction in flow to Old Alamo Creek by using a portion of this water during times the project is in operation. This use of water would vary with plant operation and so would be variable, both daily and seasonally, rather than continuous. As the elderberry shrubs do not depend directly on the amount of water in an adjacent stream channel for survival, but rather on the availability of subsurface water in the root zone, it is unlikely that the changes in the flows within Old Alamo Creek that would result from CPVVS operation would significantly reduce the amount of water available to these shrubs or adversely affect their viability as habitat for this species.

#### 4.2.5 California Red-legged Frog

#### **Species Description and Listing Status**

The California red-legged frog (Rana aurora draytonii) was listed on May 23, 1996, (Federal Register [FR] 61:25813) as threatened. Critical habitat was designated on April 13, 2006, (FR 71:19243) and was proposed for revision on September 16, 2008. The USFWS published a recovery plan on September 12, 2002 (USFWS, 2009b).

The California red-legged frog is the largest native frog in the western United States, ranging from 1.5 to 5 inches long. The abdomen and hind legs of adults are often red. The back has small black flecks and larger irregular dark blotches, usually with light centers. These have indistinct outlines on a brown, gray, olive, or reddish background color. Lateral folds are prominent on the back. Larvae (tadpoles) range from 0.6 to 3 inches in length, and the background color of the body is dark brown and yellow with darker spots (USFWS, 2009b).

#### **Distribution and Threats**

The historical range of the California red-legged frog extended along the coast from the vicinity of Point Reyes National Seashore, Marin County and inland from the vicinity of Redding, Shasta County southward to northwestern Baja California, Mexico. California red-legged frogs have been documented in 46 counties in California, but now remain in only 238 streams or drainages in 31 counties. California red-legged frogs are still locally abundant within portions of the San Francisco Bay area (including Marin County) and the Central Coast. Within the remaining distribution of the species, only isolated populations have been documented in the Sierra Nevada, northern Coast Ranges, and northern Transverse Ranges. The species is believed to be extirpated from the southern Transverse Ranges and Peninsular Ranges, but is still present in Baja California (CNDDB, 2009).

California red-legged frogs are currently threatened by the following human activities:

- Degradation and loss of habitat through urbanization
- Mining
- Improper management of grazing
- Recreation
- Invasion of nonnative plants
- Impoundments
- Water diversions
- Degraded water quality
- Introduced predators

These factors have resulted in the isolation and fragmentation of habitats within many watersheds. This often prevents dispersal between sub-populations. The fragmentation of existing habitat and the continued colonization of existing habitat by nonnative species may represent the most significant current threats to California red-legged frogs (USFWS, 2009b).

#### Life History and Ecology

California red-legged frogs are pond-dwelling amphibians that generally live near permanent aquatic habitats, including livestock ponds and pools in perennial streams (Jennings and Hayes, 1994). The optimal habitat is characterized by dense, shrubby riparian

vegetation associated with deep (> 2.3 feet), still, or slow-moving water (Hayes and Jennings, 1988; Jennings, 1988). The shrubby riparian vegetation that structurally seems to be most suitable for this frog is that provided by arroyo willow, although cattails (*Typha* spp.) and bulrushes (*Scirpus* spp.) also can provide suitable habitat (Jennings, 1988).

Although California red-legged frogs are found in ephemeral streams and ponds, populations cannot be maintained where all surface water disappears (Jennings and Hayes, 1994). This frog is infrequent or absent in habitats where introduced aquatic predators such as green sunfish (*Lepomis cyanellus*), Louisiana red-swamp crayfish (*Procambarus clarkii*), and bullfrogs (*Rana catesbeiana*) are present (Hayes and Jennings, 1986; 1988), probably because the larval stages are susceptible to such predators (Jennings and Hayes, 1994).

Reproduction occurs at night in permanent ponds or the slack water pools of streams during the winter and early spring (late November through April) after the onset of warm rains (Storer, 1925; Hayes and Jennings, 1988; Jennings and Hayes, 1994). Males generally appear at breeding sites from 2 to 4 weeks before females (Storer, 1925). Eggs hatch after 6 to 14 days (depending on the prevailing water temperature), and the resulting larvae require 3.5 to 7 months to attain metamorphosis (Storer, 1925). Some tadpoles may also overwinter (Fellers et al., 2001). Juvenile frogs are about 1 inch long at metamorphosis and commonly sun themselves during the day at the edge of the riparian zone next to the breeding site. As they grow, they gradually shift from diurnal and nocturnal periods of activity to largely nocturnal activity (Hayes and Tennant, 1986). During periods of rainfall, juveniles and a few adults may disperse from breeding sites and they may be found some distance (up to 0.5 mile) away from the nearest waterbody.

#### Status within the Action Area

No California red-legged frogs have been reported within the action area and no occurrences have been reported within 10 miles of the project (CNDDB, 2009). Because it is disconnected from its historical upper watershed, Old Alamo Creek is not expected to provide suitable habitat for this species.

#### 4.2.6 Giant Garter Snake

#### **Species Description and Listing Status**

The giant garter snake (*Thamnophis gigas*) was listed as threatened on October 20, 1993 (FR 58: 54053). Critical habitat has not been designated. The USFWS published a draft recovery plan on July 2, 1999, and completed a 5-year review of the recovery plan in September 2006 (USFWS, 2005).

The giant garter snake is one of the largest garter snakes, reaching a total length of at least 63 inches. Females tend to be slightly longer and proportionately heavier than males. Female giant garter snakes typically weigh 1 to 1.5 pounds. Garter snakes are in the family Colubridae, which includes most of the species of snakes found in the western United States (USFWS, 2009c).

Dorsal background coloration (the basic color on the snake's back) varies from brownish to olive with a checkered pattern of black spots, separated by a yellow dorsal stripe and two light colored lateral stripes. Background coloration and prominence of a black

checkered pattern and the three light stripes are geographically and individually variable. The ventral surface (the snake's underside) is cream to olive or brown and sometimes infused with orange, especially in northern populations (USFWS, 2009c).

#### **Distribution and Threats**

The giant garter snake inhabits agricultural wetlands and other waterways such as irrigation and drainage canals, sloughs, ponds, small lakes, low gradient streams, and adjacent uplands in the Central Valley. Because of the direct loss of natural habitat, the giant garter snake relies heavily on rice fields in the Sacramento Valley, but also uses managed marsh areas in federal National Wildlife Refuges and state Wildlife Areas. There have been only a few recent sightings of giant garter snakes in the San Joaquin Valley (USFWS, 2009c).

Giant garter snakes are typically absent from larger rivers because of lack of suitable habitat and emergent vegetative cover, and absent from wetlands with sand, gravel, or rock substrates. Riparian woodlands typically do not provide suitable habitat because of excessive shade, lack of basking sites, and absence of prey populations. However, some riparian woodlands do provide good habitat (USFWS, 2009c).

The main causes for the decline of this species are as follows:

- Habitat loss and fragmentation
- Flood control activities
- Changes in agricultural and land management practices
- Predation from introduced species
- Parasites
- Water pollution

Giant garter snakes can inhabit water bodies that contain predatory fish. When sufficient cover is available, they seem to hold their own, even when numerous predators share the same habitats. Giant garter snakes are probably absent from larger rivers because the habitat is not suitable (not because of the presence of predatory fish). The major rivers within its range have been highly channelized, removing oxbows and backwater areas that probably at one time provided suitable habitat (USFWS, 2009c).

#### Life History and Ecology

Giant garter snakes feed primarily on small fishes, tadpoles, and frogs. Habitat requirements consist of (1) adequate water during the snake's active season (early spring through mid fall) to provide food and cover; (2) emergent, herbaceous wetland vegetation, such as cattails and bulrushes, for escape cover and foraging habitat during the active season; (3) grassy banks and openings in waterside vegetation for basking; and (4) higher elevation uplands for cover and refuge from flood waters during the snake's dormant season in the winter (USFWS, 2009c).

The giant garter snake inhabits small mammal burrows and other soil crevices above prevailing flood elevations throughout its winter dormancy period. Giant garter snakes typically select burrows with sunny exposure along south- and west-facing slopes. The breeding season extends through March and April, and females give birth to live young from late July through early September (USFWS, 2009c).

Brood size is variable, ranging from 10 to 46 young, with a mean of 23. Young immediately scatter into dense cover and absorb their yolk sacs, after which they begin feeding on their own. Although growth rates are variable, young typically more than double in size within the first year. Sexual maturity averages 3 years for males and 5 years for females (USFWS, 2009c).

#### Status within the Action Area

Giant garter snake has not been reported within the action area. No portion of the CPVVS project is within any areas currently identified as having high value habitat for the species; however, the eastern extent of the natural gas pipeline is within 0.25 mile of the USFWS-designated Mid-Valley Recovery Unit for giant garter snake. This unit extends from the American and Yolo basins south to the City of Stockton. The nearest giant garter snake observation reported in the CNDDB (occurrence #82) is approximately 9 miles west of the CPVVS action area in an agricultural canal with tules and cattail margins.

Potentially suitable giant garter snake habitat is present in riparian habitat within Old Alamo Creek and within 14 agricultural drains and irrigation canals in the vicinity of the 230-kV electrical transmission line and natural gas pipeline alignments. No direct effects to potential giant garter snake aquatic habitat in creeks or irrigation canals would occur from CPVVS construction; however, Project construction activities may affect giant garter snake aquatic habitat in one roadside drainage and upland habitat that is within 200 feet of potential aquatic habitat. Indirect operational effects to potential giant garter snake habitat downstream of the EWTP outflow may also occur as a result of decreased EWTP outflows to Old Alamo Creek.

#### 4.2.7 Least Tern

#### **Species Description and Listing Status**

The California least tern (*Sternula* [*=Sterna, =albifrons*] *antillarum*) was listed as endangered on October 13, 1970 (35 CFR16047), and has been recommended for downlisting to threatened status (72 FR 7064). Critical habitat has not been designated. A revised Recovery Plan was published on September 27, 1985, and 5-year review was published in September 2006.

The California least tern has a distinctive black cap with black stripes running from the cap across the eyes to the beak that contrast with a white forehead. Other upper parts are gray and underparts are white. California least terns have short, forked tails. Their bills and legs are orange (USFWS, 2007d).

The least tern is the smallest of North American terns. It is 8.25 to 9 inches long with a wingspan of 19 to 21 inches. Their diet consists of small fish, shrimp, and sometimes other invertebrates (USFWS, 2007d).

#### Life History and Ecology

Most least terns begin breeding in their third year. Mating begins in April or May and nesting starts shortly afterward in colonies on relatively open beaches kept free of vegetation by natural scouring from tidal action. Most terns rely on degraded habitat on the beaches of densely populated Southern California. Nesting habitat is often separated from the ocean by recreational beach use. The typical colony is 25 pairs. The nest is a simple scrape in the sand or shell fragments. The typical clutch is two eggs. Both parents incubate and care for the young (USFWS, 2007d).

#### **Distribution and Threats**

California least tern is distributed along the Pacific Coast of California, from San Francisco to Baja California (USFWS, 2007d).

Threats include the following:

- People and domestic animals walking too close to nests
- Noise pollution from construction or other human activities
- Aircraft flying low or landing in nesting areas
- Military training exercises

Predators include larger birds, mammals such as raccoons and foxes, domestic dogs, and cats.

#### Status within the Action Area

The CPVVS action area does not provide suitable nesting or forage habitat for California least tern; however, this species may fly over the action area while en route to suitable habitat elsewhere. The closest foraging habitat for terns is along the shorelines of the Sacramento–San Joaquin Delta waterways, which is located outside the action area.

# 4.3 Critical Habitat

Critical habitat for listed species consists of the following:

- The specific areas within the geographical area occupied by the species, at the time it is listed in accordance with the provisions of Section 4 of the ESA, on which are found those physical or biological features (constituent elements) (a) essential to the conservation of the species, and (b) which may require special management considerations or protection.
- 2. Specific areas outside the geographic area occupied by the species at the time it is listed in accordance with the provisions of Section 4 of the ESA, upon a determination by the Secretary that such areas are essential for the conservation of the species (USFWS, 2003).

No designated critical habitat is located within the CPVVS action area. The nearest critical habitat unit for Contra Costa goldfields is located approximately 2 miles to the southwest of the action area. Critical habitat units for vernal pool fairy shrimp and vernal pool tadpole shrimp are located approximately 2 miles to the southeast of the action area. Other critical habitat units for Conservancy fairy shrimp, delta green ground beetle, and California tiger salamander are located more than 4 miles to the south and southeast of the action area (Figure 4-1). Because no designated critical habitat units occur within the action area, there will be no direct or indirect effects to primary constituent elements within any designated critical habitat.

# Effects of the Proposed Action on Listed Species

The project description was evaluated to determine the potential for the CPVVS Project to have permanent and temporary effects on federally listed species. This section describes the potential direct and indirect effects of the Project on the federally listed species within the action area.

# 5.1 Direct Effects

Direct effects are considered to be those effects that occur at the time of the proposed action (USFWS, 1998). A construction activity may be described as initiating a temporary direct effect or a permanent direct effect, depending on the duration of each construction activity component.

For the purposes of this BA, permanent direct effects are defined as direct effects that will remove listed species habitat for 1 year or longer and/or that will result in direct harm or harassment to any listed species individuals. Temporary direct effects are defined as direct effects on listed species habitat that will be restored within 1 year.

#### 5.1.1 Permanent Effects

Permanent direct effects to federally listed species and habitat may occur as a result of CPVVS Project-related construction.

#### Giant Garter Snake

Although no occurrences of giant garter snake have been reported within the action area, the giant garter snake Mid-Valley Recovery Unit is located approximately 0.25 mile east of the Project, and potentially suitable upland and aquatic giant garter snake habitat is present within the action area. Giant garter snakes may forage in water conveyances that support prey species and that hold water for extended periods; therefore, individual snakes could be harmed during construction activities. Construction disturbance will be minimized by limiting surface work in giant garter snake habitat to the active period of the snakes from May 1 to October 1. A qualified biological monitor will be on site during construction activities in habitat, to move snakes if encountered.

Although effects to giant garter snake habitat will be minimized, permanent direct effects to approximately 0.01 acre (120 square feet) of potential giant garter snake aquatic habitat and 8.97 acres of upland habitat within 200 feet of potential aquatic habitat is expected to occur as a result of project construction. Permanent construction effects are presumed to be continuous throughout operation. Permanent effects are summarized in Table 5-1.

#### TABLE 5-1

Permanent Effects to Giant Garter Snake (acres)

Project Activity	Aquatic Habitat (acres)	Upland Habitat (acres)
Project site and laydown within 200 of potential aquatic habitat	0	7.58
Permanent access road crossing	0.01	0
Electrical transmission line footings	0	0.02
Areas of substation within 200 feet of potential aquatic habitat	0	1.38
Construction of stormwater detention basin outfall	0.01	0
Total	0.01	8.97

Minimization measures to mitigate for permanent direct effects to giant garter snake are discussed in Section 5.4.

No other federally listed species or designated critical habitat were identified within the action area for the CPVVS project; therefore, no additional permanent direct effects to listed species or habitat are anticipated to occur as a result of the project.

#### 5.1.2 Temporary Effects

Temporary direct effects to federally listed species and habitat in the action area may occur as a result of Project-related construction activities.

#### **Giant Garter Snake**

Temporary direct effects to approximately 0.01 acre of potential giant garter snake aquatic habitat and 4.30 acres of upland habitat within 200 feet of potential aquatic habitat is expected to occur as a result of project construction. Temporary loss of approximately 0.01 acre (610 square feet) of potentially suitable giant garter snake aquatic habitat may occur as a result of the construction of a stormwater detention basin outfall structure and approximately five temporary access routes to the site from Lewis Road. Temporary loss of approximately 3.67 acres of potentially suitable giant garter snake upland habitat may occur from areas of the temporary construction laydown area within 200 feet of potential aquatic habitat. Trenching activities associated with the construction of the 1.03-mile-long, 4-foot-wide natural gas pipeline may result in an additional 0.62 acre of temporary upland habitat loss.

Temporary effects are summarized in Table 5-2 below.

Temporary direct effects to giant garter snake may also include air quality effects related to dust and equipment emissions and noise and vibration related to equipment operation and other construction-related activities

Minimization measures to mitigate for temporary direct effects are discussed in Section 5.4.

#### TABLE 5-2

Temporary Effects to Giant Garter Snake (acres)

Project Activity	Aquatic Habitat (acres)	Upland Habitat (acres)
Areas of the temporary laydown within 200 feet of potential aquatic habitat	0	3.67
Trenching for natural gas pipeline	0	0.62
Temporary access road crossings	0.01	0
Total	0.01	4.30

# 5.2 Indirect Effects

Indirect effects are defined under the ESA as "...those effects that are caused by, or will result from, the Proposed Action later in time but are still reasonably certain to occur..." (50 CFR 402.02).

Because the project makeup water supply will consist entirely of reclaimed secondary-treated wastewater from the EWTP, the EWTP will discharge a reduced volume of treated wastewater to Old Alamo Creek during operation of the proposed facility. Because the data necessary to evaluate the extent of effects related to the use of reclaimed secondary-treated wastewater from the EWTP to Old Alamo Creek are not available at this time, these effects are considered to be indirect pending formal consultation with the USFWS.

Where Old Alamo Creek becomes channelized and makes a right-angle bend to the south approximately 1 mile east of the EWTP, an irrigation canal discharges water into the channel during the irrigation season, which would somewhat lessen the reduced flow effects in this reach of the creek. The creek, however, is broad and shallow in this reach that flows southward and, therefore, reduced EWTP flows could reduce the quality of aquatic habitat here as well. Because EWTP effluent discharge, assumed to be 5 mgd on a daily average basis, is the primary source of flow to Old Alamo Creek, the Project's operational use of EWTP effluent is reasonably certain to affect aquatic habitat within the Old Alamo Creek channel downstream of the EWTP outflow. This would particularly be the case in the reach of Old Alamo Creek between the EWTP outflow and the agricultural returns approximately 1 mile downstream of the EWTP.

New Alamo Creek, upstream of its confluence with Old Alamo Creek, is an ephemeral system that does not receive watershed runoff during the summer months of the year. Thus, New Alamo Creek conveys only agricultural return and conveyance flows and urban runoff from about June through November, annually.

During the precipitation season (primarily November through April), the water in lower New Alamo Creek comprises runoff from the upper watershed, urban runoff, runoff from agricultural lands, and EWTP effluent (RBI, 2007). The relative fraction of effluent throughout the precipitation season varies depending on the size of each storm event and the frequency and size of antecedent storms. A dilution study found the portion of EWTP effluent present in March 2004 to be approximately 50 percent of the flow in New Alamo Creek (Flow Science, 2005). The range of production rates and seasonal variation in EWTP discharges are provided in Table 5-3.

		Discharge Rate (mgd)			
Month	3-Year Mean	3-Year Median	High (daily average)	Low (daily average)	
January	10.2	9.6	23.3	7.4	
February	9.6	9.3	15.5	7.3	
March	10.2	10.2	18.5	7.5	
April	10.0	10.0	18.9	6.7	
Мау	8.8	8.8	10.9	6.8	
June	8.5	8.5	10.9	6.8	
July	8.2	8.2	9.1	6.7	
August	8.0	8.0	9.3	6.5	
September	7.9	8.0	9.0	6.7	
October	7.9	8.0	9.2	6.3	
November	7.8	7.8	9.9	4.9	
December	8.1	8.0	12.3	6.0	

TABLE 5-3 EWTP Flows, January 2006 through December 2008

The Project's operational use of EWTP effluent is reasonably expected to affect approximately 1 mile of the Old Alamo Creek channel that may provide suitable giant garter snake aquatic habitat downstream of the EWTP outflow. Riparian habitat within Old Alamo Creek is well established both upstream and downstream of the EWTP, with overhanging trees that shade the creek, exposed banks, and emergent vegetation.

Potential effects that the Project may have to the federally threatened Central Valley Steelhead (*Oncorhynchus mykiss*) and the federal species of concern Central Valley fall- and late-fall-run chinook salmon (*Oncorhynchus tshawytscha*) that may occur in New Alamo Creek are addressed in a separate BA prepared for the USACE for review by the NMFS. No other indirect effects to federally listed species are expected to occur as a result of the CPVVS project.

# 5.3 Cumulative Effects Analysis

Cumulative effects, as defined by the ESA, are those effects of future state or private activities, not involving federal activities, that are reasonably certain to occur within the area of the action subject to consultation (50 CFR 402.02). Cumulative effects can include the residual effects of more than one project that can reach a level of significance when combined with others. This could take place as a result of a combination of effects that are individually less than significant, but are significant when taken together.

Applications for several residential projects have been filed in the City and Solano County. In the same way that potential effects to federally listed species associated with the CPVVS project will be avoided or minimized by the measures discussed in Section 5.4, these projects will undergo a similar environmental review process by which effects to federally listed species must be quantified and mitigated prior to project implementation. As a result of the nature of the environmental review system in place, cumulative effects to federally protected species will be avoided or mitigated through either habitat creation or the purchase of credits from an

approved mitigation bank. Therefore, the CPVVS project is not expected to contribute to any cumulative adverse effects to any of the federally listed species addressed in this BA.

# 5.4 Conservation Measures to Offset Direct and Indirect Effects

Construction of the CPVVS Project *may affect, and is likely to adversely effect,* potentially suitable habitat for giant garter snake.

Conservation and protection measures implemented during the construction of the project will be followed to minimize adverse direct and indirect effects to giant garter snake. The measures will be used primarily as avoidance measures to ensure that potentially suitable offsite habitat is not disturbed with the implementation of the CPVVS Project. A summary of effects and mitigation is provided in Table 5-4.

Summary of Effects and Mitigation			
Project Component	Temporary (Effect Duration)	Permanent	Mitigation
Project site and laydown within 200 feet of potential aquatic habitat (upland effects)		7.58	Compensation
Permanent access road crossing (aquatic effects)		0.00	Compensation
Electrical transmission line footings		0.02	Compensation
Areas of substation within 200 feet of potential aquatic habitat (upland effects)		1.38	Compensation
Stormwater basin outfall structure (aquatic effects)		0.00	Compensation
Areas of the temporary laydown within 200 feet of potential aquatic habitat (upland effects)	3.67 (11 months)		Restoration
Trenching for the natural gas pipeline (upland effects)	0.62 (3 months)		Restoration
Temporary access road crossings (aquatic effects)	0.01 (11 months)		Restoration
Total	4.31	8.97	

#### TABLE 5-4

#### 5.4.1 Giant Garter Snake

Construction activities will include the following measures to avoid and minimize adverse effects to giant garter snake and giant garter snake habitat:

- Construction activities within 200 feet from the banks of giant garter snake aquatic habitat will be minimized. Movement of heavy equipment will be confined to established roadways to minimize habitat disturbance.
- Clearing will be confined to the minimal area necessary to facilitate construction activities. Avoided giant garter snake habitat within or adjacent to the Project area will be flagged and designated as Environmentally Sensitive Areas.
- Construction personnel will receive USFWS-approved worker environmental awareness training. This training instructs workers to recognize giant garter snakes and their habitat(s).

- The Project area will be surveyed for giant garter snakes 24 hours before construction activities begin. If a lapse in construction activity of 2 weeks or greater has occurred, a Project area survey will be repeated. If a snake is encountered during construction, activities will cease in the vicinity of the find until appropriate corrective measures have been completed or it has been determined that the snake will not be harmed. Any sightings and any incidental take will be immediately reported to USFWS by telephone at (916) 414-6600.
- All work will be performed in accordance with a Storm Water Pollution Prevention Plan. Best Management Practices will be implemented and may include the use of silt fences, sandbags, detention basins, and other means as appropriate to prevent erosion into any identified giant garter snake aquatic habitat.
- If construction results in any dewatered habitat, the habitat will be maintained in dry condition for at least 15 consecutive days after April 15 and before excavating or filling of the dewatered habitat.
- After completion of construction in giant garter snake habitats that are temporarily affected, any temporary fill and construction debris will be removed and, where feasible, disturbed areas will be restored to pre-Project conditions. The topography and grade will be restored to preconstruction conditions. Following all grading, earthwork and trenching, these areas will either be replanted or reseeded with the appropriate plant species, if determined necessary, or they will be monitored following construction to determine that vegetation comparable to the pre-existing condition has naturally regenerated.

The following measures will mitigate and compensate for adverse effects to giant garter snake that cannot be avoided:

- The Project owner will mitigate permanent effects to 0.01 acre of giant garter snake aquatic habitat by providing offsite replacement habitat at a USFWS-approved mitigation bank at a mitigation-to-effect ratio of 3:1.
- The Project owner will mitigate permanent effects to 8.97 acres of giant garter snake upland habitat from Project construction by providing offsite replacement habitat at a USFWS-approved mitigation bank at a mitigation-to-effect ratio of 3:1.
- The Project owner will mitigate temporary effects to 0.01 acre of giant garter snake aquatic habitat from construction of the stormwater detention basin outfall structure and temporary access roads by providing offsite replacement habitat at a USFWS-approved mitigation bank at a mitigation-to-effect ratio of 3:1.
- The Project owner will mitigate temporary effects to 4.30 acre of giant garter snake upland habitat from construction of the natural gas pipeline by providing offsite replacement habitat at a USFWS-approved mitigation bank at a mitigation-to-effect ratio of 3:1.

# **Conclusion and Determination**

Effect determinations for each of the federally listed species that could potentially be affected by the proposed action in the action area were discussed in Section 5. This section summarizes the effect determinations for those species.

# 6.1 Federally Listed Species

# 6.1.1 May Effect, Likely to Adversely Affect

Suitable habitat for the following species addressed in this BA may be adversely affected by the proposed action:

• Giant garter snake (*Thamnophis gigas*), threatened

### 6.1.2 No Effect

The proposed action is expected to have no effect on the following 6 species:

- Conservancy fairy shrimp (*Branchinecta conservatio*), endangered
- Vernal pool fairy shrimp (*Branchinecta lynchi*), threatened
- Valley elderberry longhorn beetle (Desmocerus californicus dimorphus), threatened
- Vernal pool tadpole shrimp (*Lepidurus packardi*), endangered
- California red-legged frog (Rana aurora draytonii), threatened
- Least tern (Sternula [=Sterna, =albifrons] antillarum), endangered

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Appendix A USFWS Official Species List



**United States Department of the Interior** 

FISH AND WILDLIFF SERVICE

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



May 13, 2008

Document Number: 080513052342

Michael Clary CH2M HILL 155 Grand Avenue, Suite 1000 Oakland, CA 94612

Subject: Not specified

Dear: Mr. Clary

We are sending this official species list in response to your May 13, 2008 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7<sup>1</sup>/<sub>2</sub> minute quad or quads you requested.

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

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

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be August 11, 2008.

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

Endangered Species Division



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

Document Number: 080513052342 Database Last Updated: January 31, 2008

No quad species lists requested.

## **County Lists**

County Lists
Solano County
Listed Species
Invertebrates
Branchinecta conservatio
Conservancy fairy shrimp (E)
Critical habitat, Conservancy fairy shrimp (X)
Branchinecta lynchi
Critical habitat, vernal pool fairy shrimp (X)
vernal pool fairy shrimp (T)
Desmocerus californicus dimorphus
valley elderberry longhorn beetle (T)
Elaphrus viridis
Critical habitat, delta green ground beetle (X)
delta green ground beetle (T)
Lepidurus packardi
Critical habitat, vernal pool tadpole shrimp (X)
vernal pool tadpole shrimp (E)
Speyeria callippe callippe
callippe silverspot butterfly (E)
Fish
Acipenser medirostris
green sturgeon (T) (NMFS)
Hypomesus transpacificus
Critical habitat, delta smelt (X) delta smelt (T)

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

#### Oncorhynchus mykiss

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

#### Oncorhynchus tshawytscha

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

#### Amphibians

#### Ambystoma californiense

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

Rana aurora draytonii

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

#### Reptiles

Masticophis lateralis euryxanthus Alameda whipsnake [=striped racer] (T)

*Thamnophis gigas* giant garter snake (T)

#### Birds

Charadrius alexandrinus nivosus western snowy plover (T)

Pelecanus occidentalis californicus California brown pelican (E)

Rallus longirostris obsoletus California clapper rail (E)

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

#### Mammals

*Reithrodontomys raviventris* salt marsh harvest mouse (E)

#### Plants

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

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

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

# Neostapfia colusana

Colusa grass (T)

Tuctoria mucronata Solano grass (=Crampton's tuctoria) (E)

#### **Proposed Species**

#### Plants

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

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

#### Key:

- (E) Endangered Listed as being in danger of extinction.
- (T) *Threatened* Listed as likely to become endangered within the foreseeable future.
- (P) Proposed Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the <u>National Oceanic & Atmospheric Administration Fisheries Service</u>. Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

- (PX) Proposed Critical Habitat The species is already listed. Critical habitat is being proposed for it.
- (C) Candidate Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) Critical Habitat designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7<sup>1</sup>/<sub>2</sub> minute quads. The United States is divided into these quads, which are about size of San Francisco.

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

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

#### Plants

Any plants on your list are ones that have actually been observed in the area covered by t list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online <u>Inventory of Rare and Endangered Plants</u>.

#### Surveying

Some of the species on your list may not be affected by your project. A trained biologist o botanist, familiar with the habitat requirements of the species on your list, should determi whether they or habitats suitable for them may be affected by your project. We recommendate that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the <u>Guidelines for Conducting and Reporting</u> <u>Botanical Inventories</u>. The results of your surveys should be published in any environment documents prepared for your project.

#### Your Responsibilities Under the Endangered Species Act

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

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

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

• If a Federal agency is involved with the permitting, funding, or carrying out of a project that n result in take, then that agency must engage in a formal <u>consultation</u> with the Service.

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

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

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

#### Critical Habitat

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

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

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

#### **Candidate Species**

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

#### Species of Concern

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

#### Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defir by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, yo will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

#### Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem.

However, we recommend that you get an updated list every 90 days. That would be Augu 11, 2008.

# Appendix B CNDDB

western pond turtle			ent Code: ARAAD02030	
Stat	us —	NDDB Element Ranks	Other Lists	
Federal: None		Global: G3G4	CDFG Status: SC	
State: None		State: S3		
	ssociations			
		DS, MARSHES, RIVERS, STREAMS & IRRIGATION D		TION.
Micro: NEED I	BASKING SITES AND SUITABLE (SAND	Y BANKS OR GRASSY OPEN FIELDS) UPLAND HAI	BITAT FOR EGG-LAYING.	
Occurrence No	. 139 Map Index: 39692	EO Index: 34694	Dates	Last Seen
Occ Rank	: Good		Elemen	t: 1998-08-14
Origin	: Natural/Native occurrence		Site	: 1998-08-14
Presence	: Presumed Extant			
Trend	: Unknown		Record Last Update	ed: 1998-09-10
Quad Summary	: Fairfield North (3812231/499D)			
County Summary	r: Solano			
-	: 38.33447º/-122.01421º		Township: 06N	
	Zone-10 N4243386 E586155		Range: 01W	
	80 meters	Mapping PrecisionSPECIFIC	Section: 30	Qtr: XX
Elevation	: 21011	Symbol Type:POINT	Meridian: M	
Location	: NW END OF LAGOON VALLEY RESER	RVOIR, SW OF VACAVILLE.		
Location Deta	II: SITE CONSISTS OF A CHANNEL NEA	R THE OUTLET OF LAGOON VALLEY RESERVOIR	L.	
Ecologica	I: CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW	LIMBS.
Ecologica	I: CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7 : 3 ADULTS OBSERVED BASKING ON	IR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW	LIMBS.
Ecologica General Owner/Manager	I: CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7 : 3 ADULTS OBSERVED BASKING ON 9 :: UNKNOWN	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS	LIMBS.
Ecologica General Owner/Manager Occurrence No	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates	LIMBS. SITE.
Ecologica General Owner/Manager Occurrence No Occ Rank	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen	LIMBS. SITE. Last Seen
Ecologica General Owner/Manager Occurrence No Occ Rank Origin	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN 200     Map Index: 48008     Good     Natural/Native occurrence	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     S ADULTS OBSERVED BASKING ON 1     UNKNOWN      200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 7     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSIST WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)     Solano     38.15213° / -122.11682°     Zone-10 N4223063 E577381	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEN EO Index: 48008	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update Township: 04N Range: 02W	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02 ed: 2002-05-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)     r: Solano     38.15213° / -122.11682°     Zone-10 N4223063 E577381     80 meters	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEI EO Index: 48008	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update Township: 04N Range: 02W Section: 32	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)     r: Solano     38.15213° / -122.11682°     Zone-10 N4223063 E577381     80 meters	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEN EO Index: 48008	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update Township: 04N Range: 02W	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02 ed: 2002-05-28
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN     200 Map Index: 48008     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)     r: Solano     38.15213° / -122.11682°     Zone-10 N4223063 E577381     80 meters	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEN EO Index: 48008 Mapping PrecisionSPECIFIC Symbol Type:POINT	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update Township: 04N Range: 02W Section: 32	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02 ed: 2002-05-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	CHANNEL HAS MODERATE RIPARIAI AND ALGAL MATS COVER ~30% OF 1     3 ADULTS OBSERVED BASKING ON 1     UNKNOWN 200 Map Index: 48008 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.15213° / -122.11682° Zone-10 N4223063 E577381 80 meters 16 ft WEST SIDE OF HIGHWAY 680, 7.25 M HABITAT CONSISTS OF A STOCK PO	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEN EO Index: 48008 Mapping PrecisionSPECIFIC Symbol Type:POINT	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update [] [] [] [] [] [] [] [] [] [] [] [] []	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02 ed: 2002-05-28 Qtr: NW UATED IN AN EPHEN
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Ecologica	CHANNEL HAS MODERATE RIPARIAL AND ALGAL MATS COVER ~30% OF 1 3 ADULTS OBSERVED BASKING ON 1 UNKNOWN 200 Map Index: 48008 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.15213° / -122.11682° Zone-10 N4223063 E577381 80 meters 16 ft WEST SIDE OF HIGHWAY 680, 7.25 M HABITAT CONSISTS OF A STOCK PO DRAINAGE, SURROUNDED BY NON-	AR THE OUTLET OF LAGOON VALLEY RESERVOIR N COVER OF WILLOW, WITH SPARSE STANDS OF THE WATER SURFACE. BASKING SITES CONSISTS WOODY DEBRIS. BULLFROGS AND RIVERS OTTEN EO Index: 48008 Mapping PrecisionSPECIFIC Symbol Type:POINT MILES SSW OF FAIRFIELD DND WITH LOTS OF EMERGENT VEGETATION (MA	SCIRPUS AND TYPHA ALONG T S OF LARGE, DOWNED WILLOW RS ARE ALSO PRESENT AT THIS — Dates Elemen Site Record Last Update Township: 04N Range: 02W Section: 32 Meridian: M	LIMBS. SITE. Last Seen t: 2002-04-02 :: 2002-04-02 ed: 2002-05-28 Qtr: NW UATED IN AN EPHEN

northwestern pond turtle		Element Co	ode: ARAAD02031
Federal: None State: None	IS	NDDB Element Ranks Global: G3G4T3 State: S3	Other Lists     CDFG Status: SC
		RMANENT WATER IN A WIDE VARIETY OF HABITAT BE FOUND UP TO 0.5 KM FROM WATER.	S.
•	Unknown Natural/Native occurrence	EO Index: 1329	Dates Last Seen
	Presumed Extant Unknown		Record Last Updated: 1995-11-07
Quad Summary: County Summary	Allendale (3812148/498B), Winters (381215 Yolo, Solano	58/514C)	
-		Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 08N Range: 01W Section: 28 Qtr: XX Meridian: M
	SSE OF WINTERS; ALONG PUTAH CREE		
General: Owner/Manager:		NG SURVEY; NO OTHER INFORMATION GIVEN.	
	•	EO Index: 33453	Dates Last Seen Element: 1997-04-08 Site: 1997-04-08
Trend:	Unknown		Record Last Updated: 1998-03-25
Quad Summary: County Summary	Mt. Vaca (3812241/499A) Solano		
UTM:	38.43951° / -122.11486° Zone-10 N4254952 E577247 80 meters 2,360 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 07N Range: 02W Section: 20 Qtr: \W Meridian: M
Location	JUST SOUTH OF WILD HORSE CANYON	, IN THE VACA MOUNTAINS.	
Ecological		I DENSE CHAPARRAL ON DIVIDE BETWEEN MILLER CE. GRAVELLY/ROCKY SHORE, NO LOGS FOR PERC	
General: Owner/Manager:		E WATER; NO OTHER TURTLES EVIDENT.	
	Good Natural/Native occurrence	EO Index: 54936	Dates Last Seen Element: 2004-03-24 Site: 2004-03-24
	Presumed Extant Unknown		Record Last Updated: 2004-03-29
Quad Summary: County Summary	Fairfield South (3812221/482A) Solano		
UTM:	38.18311 <sup>0</sup> / -122.08119 <sup>o</sup> Zone-10 N4226530 E580468 80 meters 0 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 04N Range: 02W Section: 22 Qtr: XX Meridian: M
	VICINITY OF CHADBOURNE SLOUGH, 4 HABITAT CONSISTS OF DRAINAGE WAT TYPHA SP. AND DISTICHLIS SPICATA.	MILES SSW OF FAIRFIELD ER (WHICH IS PUMPED INTO CHADBOURNE SLOUC	CH) FROM DUCK CLUBS; CHANNEL LINED WITH
General:	1 ADULT OBSERVED ON 24 MAR 2004. PVT		

northwestern pond turtle	9	Ele	ment Code: ARAAD02031	
Federal: None State: None	us ————	NDDB Element Ranks Global: G3G4T3 State: S3	CDFG Status: SC	;
General: ASSOC		R NEARLY PERMANENT WATER IN A WIDE VARIETY OF H SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.	HABITATS.	
Occurrence No	. 255 Map Inde	ex: 68577 EO Index: 68943	Dates	Last Seen
-	Excellent Natural/Native occurrence			t: 2006-06-11 e: 2006-06-11
	Presumed Extant Unknown		Record Last Update	ed: 2007-04-04
Quad Summary	: Mt. Vaca (3812241/499A)			
County Summary	: Solano			
UTM:	38.48574º / -122.08607º Zone-10 N4260107 E579708		Township: 07N Range: 02W	
Radius: Elevation	80 meters : 1,160 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 04 Meridian: M	Qtr: NE
	HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS	MILES UPSTREAM OF THE CONFLUENCE WITH COLD CA SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC	UT MAY GO DRY IN PLACES DURI	NG PERIODS OF LOW
Ecological General:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS.	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU	UT MAY GO DRY IN PLACES DURII DN IS TYPICAL OF RIPARIAN ALON	NG PERIODS OF LOW G INNER COAST RANG
Ecological General: Owner/Manager	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ILT TURTLES OBSERVED ON 11 JL	NG PERIODS OF LOW G INNER COAST RANG IN 2006.
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown Natural/Native occurrence	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ULT TURTLES OBSERVED ON 11 JU — Dates Elemer	NG PERIODS OF LOW G INNER COAST RANG
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ULT TURTLES OBSERVED ON 11 JU — Dates Elemer	NG PERIODS OF LOW G INNER COAST RANK N 2006. Last Seen tt: 2002-02-21 e: 2002-02-21
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES . 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIO SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE EX: 70209 EO Index: 71090	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ILT TURTLES OBSERVED ON 11 JU — Dates Elemen Site	NG PERIODS OF LOW G INNER COAST RANK N 2006. Last Seen tt: 2002-02-21 e: 2002-02-21
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES . 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIO SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE EX: 70209 EO Index: 71090	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ILT TURTLES OBSERVED ON 11 JU — Dates Elemen Site	NG PERIODS OF LOW G INNER COAST RANK N 2006. Last Seen tt: 2002-02-21 e: 2002-02-21
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E : Solano : 38.24988° / -121.88706° Zone-10 N4234126 E597381	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIC SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE ERVE EImira (3812138/498C)	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ILT TURTLES OBSERVED ON 11 JL — Dates Elemer Site Record Last Updat Township: 05N Range: 01E	NG PERIODS OF LOW G INNER COAST RANG N 2006. Last Seen tt: 2002-02-21 et: 2002-02-21 ed: 2007-10-16
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E : Solano : 38.24988° / -121.88706° Zone-10 N4234126 E597381 80 meters	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIO SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE EX: 70209 EO Index: 71090	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ILT TURTLES OBSERVED ON 11 JL — Dates Elemer Site Record Last Updat	NG PERIODS OF LOW G INNER COAST RANG N 2006. Last Seen tt: 2002-02-21 e: 2002-02-21
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E : Solano : 38.24988° / -121.88706° Zone-10 N4234126 E597381 80 meters	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BURDCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIONS ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATION SERVED ERVE EX: 70209 EO Index: 71090 Elmira (3812138/498C)	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ULT TURTLES OBSERVED ON 11 JU — Dates Elemer Site Record Last Updat Township: 05N Range: 01E Section: 29	NG PERIODS OF LOW G INNER COAST RANG N 2006. Last Seen tt: 2002-02-21 et: 2002-02-21 ed: 2007-10-16
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long; UTM: Radius: Elevation: Location	: HABITAT CONSISTS OF A S RAINFALL; SUBSTRATE IS STREAMS. : TURTLES HAVE BEEN OBS : UCNR-COLD CANYON RES 287 Map Inde Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B), E : Solano : 38.24988° / -121.88706° Zone-10 N4234126 E597381 80 meters : 31 ft	SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BI ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATIO SERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADU SERVE EX: 70209 EO Index: 71090 Elmira (3812138/498C) I Mapping PrecisionSPECIFIC Symbol Type:POINT	UT MAY GO DRY IN PLACES DURI DN IS TYPICAL OF RIPARIAN ALON ULT TURTLES OBSERVED ON 11 JU — Dates Elemer Site Record Last Updat Township: 05N Range: 01E Section: 29	NG PERIODS OF LOW G INNER COAST RANG N 2006. Last Seen tt: 2002-02-21 et: 2002-02-21 ed: 2007-10-16

colored blackbird			Element Code: ABPBXB0020	
Statu	IS	NDDB Element Ranks	Other Lists	
Federal: None		Global: G2G3	CDFG Status: SC	
State: None		State: S2		
Habitat As	sociations			
General: HIGHLY	COLONIAL SPECIES, MOST NUMBER	ROUS IN CENTRAL VALLEY & VICINITY. LAR	GELY ENDEMIC TO CALIFORNIA.	
Micro: REQUIR	ES OPEN WATER, PROTECTED NES	TING SUBSTRATE, & FORAGING AREA WIT	TH INSECT PREY WITHIN A FEW KM OF THE (	COLONY.
Occurrence No.	106 Map Index: 10245	EO Index: 11811	Dates Last S	
Occ Rank:			Element: 19	
•	Natural/Native occurrence		Site: 19	932-05-06
	Possibly Extirpated		Record Last Updated: 1	001-07-25
Trend:	Unknown			331-07-23
-	Honker Bay (3812118/481C), Denverto	n (3812128/481B)		
County Summary:				
-	38.13519º / -121.90579º		Township: 03N	
	Zone-10 N4221380 E595893		Range: 01E	-
Radius:		Mapping PrecisionNON-SP		Qtr: XX
Elevation:	10 ft	Symbol Type:POINT	Meridian: M	
Location:	MARSH 2 MI W OF BIRDS LANDING.			
Location Detail:	SMALL COLONY OF 9 BIRDS OBS BY	NEFF IN CATTAILS.		
General:	PRESUMED EXTIRPATED BY BEEDY	′ 1991.		
Owner/Manager:	UNKNOWN			
Occurrence No.	107 Map Index: 10580	EO Index: 30792	Dates Last S	Seen ——
Occ Rank:	Unknown		Element: 19	981-04-20
Origin:	Natural/Native occurrence		Site: 19	981-04-20
	Presumed Extant		<b>B</b>	
Trend:	Unknown		Record Last Updated: 19	997-03-27
Quad Summary:	Birds Landing (3812127/481A), Dozier	(3812137/498D)		
County Summary:	Solano			
Lat/Long:	38.25355º / -121.80747º		Township: 05N	
	Zone-10 N4234620 E604341		Range: 01E	
Radius:		Mapping PrecisionNON-SP		Qtr: NE
Elevation:	5 ft	Symbol Type:POINT	Meridian: M	
Location:	ALONG HWY 113, JUST SOUTH OF C	ALHOUN CUT, 7 MILES EAST OF TRAVIS A	FB.	
Location Detail:	LOCATED ADJACENT TO TNC'S JEP	SON PRAIRIE PRESERVE, COLONY OCCUP	PIED APPROXIMATELY 0.25 ACRE.	
Ecological:	NESTING SUBSTRATE CONSISTS O	F CATTAILS.		

California tiger salaman				Element Code:		
Federal: Threate State: None	ned		NDDB Element Ranks — Global: G2G3 State: S2S3		Other Lists CDFG Status: SC	
General: CENTR	JNDERGROUND REF		). SANTA BARBARA & SONOI GROUND SQUIRREL BURRO			R SOURCES FOR
Presence		Map Index: 10665	EO Index:	28402		1953-10-10 1953-10-10
Quad Summary County Summary	: Dixon (3812147/498 : Solano	3A)				
UTM:	38.44629° / -121.78 Zone-10 N4256033 1 mile 50 ft		Mapping Precisi Symbol Ty	onNON-SPECIFIC be:POINT	Township: 07N Range: 02E Section: 17 Meridian: M	Qtr: SW
			NNINGS CONSIDERS THIS S	ITE EXTIRPATED.		
Occurrence No Occ Rank Origin Presence	. 81 N	Map Index: 68807	EO Index:	28388		2006-XX-XX 2006-XX-XX
Quad Summary County Summary	: Dozier (3812137/498 : Solano	8D)				
UTM:	38.27051° / -121.82 Zone-10 N4236480 78.0 acres 20 ft		Mapping Precisi Symbol Ty	onSPECIFIC be:POLYGON	Township: 05N Range: 01E Section: 23 Meridian: M	Qtr: NE
			ERVE, WEST OF COOK LANE SERVE; TRANSFERRED TO S			
Ecologica			AL POOL. SHEEP GRAZING A E ALSO FOUND AT THIS SITE		ENT. BRANCHINECTA COI	NSERVATIO, LEPIDURU
	SEASON (88 VISITS	S). 4483 JUVS CAPTU	l (LARVA) ON 7 APR1973. 5 L RED (PITFALL TRAPS & DRIF			SERVED, 2005-06 WET
Owner/Manager	: SOLANO LAND TRI	051				
Origin Presence	. 336 M Unknown Natural/Native occur Presumed Extant Unknown	Map Index: 34153	EO Index:	1961		2002-05-13 2002-05-13
Quad Summary County Summary	: Dozier (3812137/498 : Solano	8D)				
Lat/Long	38.26970º / -121.84 Zone-10 N4236371			onNON-SPECIFIC be:POLYGON	Township:05NRange:01ESection:22Meridian:M	Qtr: XX
	I:LOCATED ALONG		W OF HIGHWAY 113 AT CAL OUND GAS PIPELINE RIGHT			AMPLE AREA, DETAILS
			RNAL POOLS IN CENTRAL VA		POOLS CONTAINING WA	FER INTO JUNE, WITH
-						
Threat	: POSSIBLE THREAT : CAS #187388-89 C0	TS INCLUDE OVERGR OLL 20 APR 1978. CAS	AZING, CONVERSION TO CR 5 #178428 COLL 19 FEB 1982. TED 3 MAY 1991. PLAYA-2: L	OPLAND, DEVELOPMENT. SHAFFER SITE #57 COLL 2		FE #89 COLLECTED 11

Page 5

California tiger salamar	nder			Element Code: AAA			
Stat			DB Element Ranks	O	ther Lists -		
Federal: Threate	ened		Global: G2G3		CDFG Status	s: SC	
State: None			State: S2S3				
	ssociations						
				COUNTIES DPS LISTED AS E & VERNAL POOLS OR OTHE			
BREED		S, ESPECIALLY GROU	UND SQUIRREL BURROWS	S & VERNAL POOLS OR OTHE	ER SEASONAL	- WATER	SOURCES FOR
Occurrence No	•	ndex: 42796	EO Index: 42	2796		Dates Las	
Occ Rank		_			El		2006-05-12 2006-06-07
-	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> </ul>	5				one.	2000-00-07
Trends	: Unknown				Record Last U	pdated:	2007-02-14
Quad Summary County Summary	: Denverton (3812128/481)	B)					
	38.21351° / -121.96751° Zone-10 N4230008 E590	1297			Township: ( Range: (		
	: 0.7 acres	501	Mapping Precision	SPECIFIC	Section:		Qtr: NW
Elevation			Symbol Type:		Meridian:		
Location	: POTRERO HILLS, 1 MIL	E SOUTH OF HIGHWA	Y 12, SE OF FAIRFIELD				
	II: POND 1, WHICH IS 1 OF	7 STOCK PONDS LO	CATED IN A VALLEY ENVE		RO HILLS. ADU	JLT CTS	HAVE BEEN OBSER
Ecologica	I: POND 1 IS A FORMER (	QUARRY POND; HABIT	LEY. 1999 OBSERVATION TAT SURROUNDING POND	IN UPLAND AREAS. CONSISTS OF GRAZED NON	I-NATIVE GRA	SSLAND	); SURROUNDED BY
Threat	OPEN SPACE AND A LA : THREATENED BY A PRO		KPANSION.				
				00, & 6 OTHERS IN BURROWS	S/UNDER DEB	RIS IN TI	HE VICINITY. 47 LAR
				PTURED ON 28 MAR & 12 MA			
Owner/Manager	r: PVT						
Occurrence No	o. 547 Map I	ndex: 45867	EO Index: 45	5867	— c	Dates Las	st Seen ———
Occ Rank	Unknown		EO Index: 45	5867		ement:	2007-02-26
Occ Rank Origin	: Unknown : Natural/Native occurrence		EO Index: 45	5867		ement:	
Occ Rank Origin Presence	Unknown		EO Index: 45			ement: Site:	2007-02-26 2007-02-26
Occ Rank Origin Presence Trend	: Unknown : Natural/Native occurrence : Presumed Extant		EO Index: 45		El	ement: Site:	2007-02-26 2007-02-26
Occ Rank Origin Presence Trend	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)		EO Index: 45		El	ement: Site:	2007-02-26 2007-02-26
Occ Rank Origin Presence Trend: Quad Summary County Summary	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)		EO Index: 45		El	ement: Site: Ipdated:	2007-02-26 2007-02-26
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	: Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) /: Solano : 38.27709° / -121.82823° Zone-10 N4237209 E602	9			El Record Last U Township: ( Range: (	ement: Site: Ipdated: 05N 01E	2007-02-26 2007-02-26 2007-06-06
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602	9	Mapping Precision	NON-SPECIFIC	Ek Record Last U Township: ( Range: ( Section: 2	ement: Site: Ipdated: 05N 01E 14	2007-02-26 2007-02-26
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	: Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) /: Solano : 38.27709° / -121.82823° Zone-10 N4237209 E602 : 23 ft	e 2491	Mapping Precision Symbol Type:	NON-SPECIFIC POLYGON	El Record Last U Township: ( Range: ( Section: 7 Meridian: 1	ement: Site: Updated: D5N D1E 14 M	2007-02-26 2007-02-26 2007-06-06
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solano Solano Solano Solano 2006/1121.82823° Zone-10 N4237209 E602 223 ft CALHOUN CUT (BARKE	e 2491 R SLOUGH) ECOLOG	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS	El Record Last U Township: ( Range: ( Section: 7 Meridian: 1	ement: Site: Updated: D5N D1E 14 M	2007-02-26 2007-02-26 2007-06-06
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior Location Detai	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solano Solano Solano Solano Cone-10 N4237209 E602 Cone-10 N4237209 Cone-10 N4237209 Cone-10 N4237209 Cone-10 N4237209 Cone-10 N4237209 Cone-10 N423720 Cone-10 N4237	e 2491 R SLOUGH) ECOLOG VTERSECTION OF CO	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS <sup>1</sup> CROSSING.	El Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER	ement: Site: /pdated: 05N 01E 14 M	2007-02-26 2007-02-26 2007-06-06 Qtr: XX
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior Location Detai	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solano Solano Solano Solano Solano Solano Cone-10 N4237209 E602 Cone-10 N423720 Cone-1	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. . PIT FALL TRAP AT EACH EN	Ele Record Last U Township: ( Range: ( Section: 7 Meridian: 1 W OF DOZIER	ement: Site: /pdated: 05N 01E 14 M	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007.
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Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary UTM: Lat/Long UTM: Elevation Location Location Location Location Detai General Owner/Manager	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II     207 ADULTS CAPTURE!     ARRAYS RUN PER USF r: DFG-CALHOUN CUT ER     601 Map I	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S IN 16, 33 FOOT DRIF	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD OK ROAD AND RAILROAD T FENCE ARRAYS WITH A COLS. CAS# 178446, LARVA	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS <sup>1</sup> CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: () Section: ^ Meridian: 1 W OF DOZIER D, BETWEEN 'D. MUTH & L	ement: Site: Ipdated: D5N D1E 14 M SPENCI Dates Las ement:	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG).
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solano Solano Solano Solano Solano Solano CALHOUN CUT (BARKE SOUTHWEST OF THE IN CALHOUN CUT (BARKE SOUTHWEST OF THE IN CALHOUN CUT CHARKE SOUTHWEST OF THE IN COF CALHOUN CUT ER Solan Gold Gold Map I Unknown Natural/Native occurrence Presumed Extant	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S IN 16, 33 FOOT DRIF	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD OK ROAD AND RAILROAD T FENCE ARRAYS WITH A COLS. CAS# 178446, LARVA	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER W OF DOZIER D, BETWEEN 'D. MUTH & L C Ele	ement: Site: Ipdated: D5N D1E 14 M 14 NOV 2 SPENCI Dates Las ement: Site:	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solano Solano Solano Solano Solano CALHOUN CUT (BARKE SOUTHWEST OF THE IN CALHOUN CUT (BARKE SOUTHWEST OF THE IN SOUTHWEST OF THE IN SOUTHWEST OF THE IN SOUTHWEST OF THE IN SOLALHOUN CUT ER Solo1 Map I Unknown Natural/Native occurrence	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S IN 16, 33 FOOT DRIF	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD OK ROAD AND RAILROAD T FENCE ARRAYS WITH A COLS. CAS# 178446, LARVA	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: () Section: ^ Meridian: 1 W OF DOZIER D, BETWEEN 'D. MUTH & L	ement: Site: Ipdated: D5N D1E 14 M 14 NOV 2 SPENCI Dates Las ement: Site:	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29
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Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Lat/Long UTM: Elevation Locatior Locatior Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano Solan	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S ndex: 46378 e	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TF FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER W OF DOZIER D, BETWEEN 'D. MUTH & L C Ele	ement: Site: Ipdated: D5N D1E 14 M 14 NOV 2 SPENCI Dates Las ement: Site:	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II     207 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/4 ; Solano     38.25043° / -121.84741°	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC NOT SURVEY PROTOC a ndex: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TF FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER W OF DOZIER D, BETWEEN 'D. MUTH & L C Ele	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE     SOUTHWEST OF THE II     SOUTHWEST OF THE II     207 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Of01 Map I     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/4 /: Solano     38.25043° / -121.84741°     Zone-10 N4234229 E600	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC NOT SURVEY PROTOC a ndex: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TF FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY	Ele Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER D, BETWEEN 'D. MUTH & L Ele Record Last U Township: ( Range: ()	ement: Site: Jpdated: D5N D1E 14 M	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29 2002-07-18
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     Zone-10 N4237209 E602     Zone-10 N4237209 E602     Zone-10 N4237209 E602     DOZIER     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II)     ZO7 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Of01 Map I     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Natural/Native occurrence     Dirds Landing (3812127/4     /: Solano     S38.25043° / -121.84741°     Zone-10 N4234229 E600     1/5 mile	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC NOT SURVEY PROTOC a ndex: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD T FENCE ARRAYS WITH A :OLS. CAS# 178446, LARV/ EO Index: 46 //498D)	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY 3378	Ele Record Last U Township: ( Range: ( Section: ^ Meridian: ! W OF DOZIER D, BETWEEN D, BETWEEN D, MUTH & L Ele Record Last U Township: ( Range: ( Section: 2	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     Zone-10 N4237209 E602     Zone-10 N4237209 E602     Zone-10 N4237209 E602     DOZIER     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II)     ZO7 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Of01 Map I     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Natural/Native occurrence     Dirds Landing (3812127/4     /: Solano     S38.25043° / -121.84741°     Zone-10 N4234229 E600     1/5 mile	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC NOT SURVEY PROTOC a ndex: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TF FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. .PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY 3378	Ele Record Last U Township: ( Range: ( Section: ' Meridian: ! W OF DOZIER D, BETWEEN 'D. MUTH & L Ele Record Last U Township: ( Range: ()	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29 2002-07-18
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II     207 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Of 1 Map I     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/4     Solano     38.25043° / -121.84741°     Zone-10 N4234229 E600     1/5 mile     25 ft	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S Index: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD T FENCE ARRAYS WITH A :OLS. CAS# 178446, LARV/ EO Index: 46 //498D)	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY 3378	Ele Record Last U Township: ( Range: ( Section: ^ Meridian: ! W OF DOZIER D, BETWEEN D, BETWEEN D, MUTH & L Ele Record Last U Township: ( Range: ( Section: 2	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29 2002-07-18
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE II: SOUTHWEST OF THE II     207 ADULTS CAPTUREI     ARRAYS RUN PER USF     DFG-CALHOUN CUT ER     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/4     Solano     38.25043° / -121.84741°     Zone-10 N4234229 E600     1/5 mile     25 ft	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC S Index: 46378 e 481A), Dozier (3812137	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TT FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46 //498D) Mapping Precision Symbol Type:	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY 3378	Ele Record Last U Township: ( Range: ( Section: ^ Meridian: ! W OF DOZIER D, BETWEEN D, BETWEEN D, MUTH & L Ele Record Last U Township: ( Range: ( Section: 2	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29 2002-07-18
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano     38.27709° / -121.82823°     Zone-10 N4237209 E602     23 ft     CALHOUN CUT (BARKE     SOUTHWEST OF THE IN     CALHOUN CUT (BARKE     SOUTHWEST OF THE IN     CALHOUN CUT (BARKE     UNKNOWN     DEG-CALHOUN CUT ER     Of01 Map I     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Solano	e 2491 R SLOUGH) ECOLOG NTERSECTION OF CO D IN 16, 33 FOOT DRIF WS SURVEY PROTOC Note: 46378 e 481A), Dozier (3812137 9850 AST OF CREED. VERM	Mapping Precision Symbol Type: ICAL RESERVE. EAST OF F OK ROAD AND RAILROAD TT FENCE ARRAYS WITH A COLS. CAS# 178446, LARV/ EO Index: 46 (498D) Mapping Precision Symbol Type: IAL POOLS ON BOTH SIDE	NON-SPECIFIC POLYGON FAIRFIELD, 0.6 AIR MILES SS CROSSING. PIT FALL TRAP AT EACH EN A COLLECTED 2 APR 1983 BY 3378	Ele Record Last U Township: ( Range: ( Section: ^ Meridian: ! W OF DOZIER D, BETWEEN D, BETWEEN D, MUTH & L Ele Record Last U Township: ( Range: ( Section: 2	ement: Site: Ipdated: D5N D1E 14 M	2007-02-26 2007-06-06 Qtr: XX 2006 & 26 FEB 2007. ER (DFG). st Seen 1990-04-29 1990-04-29 2002-07-18

California tiger salamand		NDDB Element Ranks	Element Code: AAAAA01180 Other Lists
Federal: Threaten State: None		Global: G2G3 State: S2S3	CDFG Status: SC
Habitat As			
	NDERGROUND REFUGES, ESPECIALL	ED. SANTA BARBARA & SONOMA COUNTIE Y GROUND SQUIRREL BURROWS & VERN.	ES DPS LISTED AS ENDANGERED. AL POOLS OR OTHER SEASONAL WATER SOURCES FOR
Occurrence No. Occ Rank:	Fair	EO Index: 60741	Dates Last Seen Element: 2005-03-08
Presence:	Natural/Native occurrence Presumed Extant Unknown		Site: 2005-03-08 Record Last Updated: 2005-03-28
Quad Summary: County Summary:	Elmira (3812138/498C) Solano		
	38.29626º / -121.96218º Zone-10 N4239196 E590750	Mapping PrecisionNON-SPE	Township: 05N Range: 01W CIFIC Section: 10 Qtr: \W
Elevation:	100 ft	Symbol Type:POLYGO	
Location:	1.5 MILES NW OF TRAVIS FIELD, TRAV	/IS AIR FORCE BASE	
Ecological:	HABITAT CONSISTS OF NON-NATIVE	GRASSLAND, WITH MAN-MADE POOLS AN	D SHALLOW, NATURAL POOLS.
General:	2 LARVAE OBSERVED IN A LARGE, M	AN-MADE POOL ON 8 MAR 2005.	
Owner/Manager:	UNKNOWN		
0 N	070 Norshalan 00000		Dates Lest Seen
Occurrence No. Occ Rank:	··	EO Index: 63927	Dates Last Seen     Element: 2001-07-06
Origin:	Natural/Native occurrence		<b>Site:</b> 2001-07-06
	Presumed Extant Unknown		Record Last Updated: 2006-01-31
Quad Summary: County Summary:	Denverton (3812128/481B)		
	38.21237º / -121.95933º		Township: 04N
	Zone-10 N4229891 E591105		Township: 04N Range: 01W
Area: Elevation:	2.0 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGO	
	POTRERO HILLS, 1.05 MILE SOUTH OI		
		IDS LOCATED IN A VALLEY ENVELOPED W	NTRIN THE FOTRERO HILLS. ND; SURROUNDED BY OPEN SPACE AND A LANDFILL.
-	THREATENED BY A PROPOSED LAND		ND, SURROUNDED BT OF EN SPACE AND A LANDFIEL.
		2 DURING MAR 2000. EGGS OBSERVED I	N POND 2 EARLY IN 2001 SEASON, BUT ONLY A FEW LARVAE
Owner/Manager:	PVT		
Occurrence No. Occ Rank:	•	EO Index: 63928	Dates Last Seen     Element: 2006-06-07
	Natural/Native occurrence		Site: 2006-06-07
	Presumed Extant Unknown		Record Last Updated: 2007-02-14
Quad Summary: County Summary:	Denverton (3812128/481B) Solano		
-	38.20973º / -121.96029º		Township: 04N
	Zone-10 N4229597 E591023 0.5 acres	Mapping PrecisionSPECIFIC	Range:         01W           Section:         10         Qtr: NE
Elevation:		Symbol Type:POLYGO	
Location:	POTRERO HILLS, 1.3 MILES SOUTH O	F HIGHWAY 12, SE OF FAIRFIELD	
Location Detail:	POND 3, WHICH IS 1 OF 7 STOCK PON	IDS LOCATED IN A VALLEY ENVELOPED W	/ITHIN THE POTRERO HILLS. POND 3 IS A LARGE STOCK PON E BEEN OBSERVED THROUGHOUT SPRING VALLEY CREEK
		SISTS OF GRAZED NON-NATIVE GRASSLA	ND; SURROUNDED BY OPEN SPACE AND A LANDFILL.
Threat:	THREATENED BY A PROPOSED LAND	FILL EXPANSION.	

California tiger salaman				Element	Code: AAAAA01180		
Stat			NDDB Element Ranks		Other Lists		
Federal: Threate State: None	ned		Global: G2G3 State: S2S3		CDFG Stat	us: SC	
	SSOCIATIONS	ISTED AS THREATEN	ED. SANTA BARBARA & SONOMA		STED AS ENDANGER	=D	
	INDERGROUND R		Y GROUND SQUIRREL BURROWS				R SOURCES FOR
Occurrence No	. 874	Map Index: 63834	EO Index: 63	3929		Dates La	st Seen
Occ Rank:	Good				I	Element:	2006-05-12
•	Natural/Native oc					Site:	2006-06-07
	Presumed Extant				Record Last	Undated.	2007-02-14
Irend:	Unknown				Record Last	opuateu.	2007-02-14
Quad Summary	Denverton (38121	128/481B)					
County Summary	: Solano						
Lat/Long	38.20582º / -121.	95994º			Township:	04N	
-	Zone-10 N42291				Range:		
	80 meters		Mapping Precision		Section:		Qtr: SE
Elevation	150 ft		Symbol Type:	:POINT	Meridian:	М	
Location	POTRERO HILLS	S. 1.6 MILES SOUTH O	F HIGHWAY 12, SE OF FAIRFIELD	)			
Location Detai	THAT SUPPORT		IDS LOCATED IN A VALLEY ENVE OF LARVAE EVERY YEAR. ADULT				
	WATEDGHED						
	WATERSHED						
Ecological		DUNDING POND CONS	SISTS OF GRAZED NON-NATIVE G	GRASSLAND; SURR	OUNDED BY OPEN SF	PACE AND	A LANDFILL.
-	: HABITAT SURRO	DUNDING POND CONS Y A PROPOSED LAND		GRASSLAND; SURR	OUNDED BY OPEN SF	PACE AND	A LANDFILL.
Threat:	HABITAT SURRO THREATENED B 10'S TO 100'S OF	Y A PROPOSED LAND F LARVAE OBSERVED	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF	F CTS LARVAE OBS	30 MAR 2001. 160 LA	RVAE CAF	PTURED 8 APR 2003.
Threat: General:	HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTU	Y A PROPOSED LAND F LARVAE OBSERVED	FILL EXPANSION.	F CTS LARVAE OBS	30 MAR 2001. 160 LA	RVAE CAF	PTURED 8 APR 2003.
Threat:	HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTU	Y A PROPOSED LAND F LARVAE OBSERVED	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF	F CTS LARVAE OBS	30 MAR 2001. 160 LA	RVAE CAF	PTURED 8 APR 2003.
Threat: General:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUR : PVT	Y A PROPOSED LAND F LARVAE OBSERVED	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No	RVAE CAF	PTURED 8 APR 2003. 7 JUN 2006.
Threat: General: Owner/Manager	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT . 875	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004.	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No	RVAE CAF DNE OBS	PTURED 8 APR 2003. 7 JUN 2006.
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT 	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No	RVAE CAF DNE OBS	PTURED 8 APR 2003. 7 JUN 2006. st Seen
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT . 875 Good Natural/Native oc Presumed Extant	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No 	RVAE CAF DNE OBS Dates La Element: Site:	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT 	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No	RVAE CAF DNE OBS Dates La Element: Site:	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT . 875 Good Natural/Native oc Presumed Extant	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No 	RVAE CAF DNE OBS Dates La Element: Site:	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT : 875 Good Natural/Native oc Presumed Extant Unknown : Denverton (38121	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No 	RVAE CAF DNE OBS Dates La Element: Site:	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT 	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B)	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No  Record Last	RVAE CAF DNE OBS Dates La Element: Site: Updated:	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT : 875 Good Natural/Native oc Presumed Extant Unknown : Denverton (38121	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145°	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M	F CTS LARVAE OBS MAR, 117 CAPTURE	30 MAR 2001. 160 LA D ON 12 MAY 2006. No 	RVAE CAF DNE OBS Dates La Element: Site: Updated: 04N	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (38121 Solano 38.20195º / -121. Zone-10 N42287 2.1 acres	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145°	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 39920	30 MAR 2001. 160 LA D ON 12 MAY 2006. No  Record Last Township: Range: Section:	RVAE CAF DNE OBS Dates La Element: Site: Updated: 04N 01W 11	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (38121 Solano 38.20195º / -121. Zone-10 N42287 2.1 acres	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145°	FILL EXPANSION. IN MAR AND JUN 2000, 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 39920	30 MAR 2001. 160 LA D ON 12 MAY 2006. No  Record Last  Township: Range:	RVAE CAF DNE OBS Dates La Element: Site: Updated: 04N 01W 11	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12 2007-02-14
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI : PVT 875 Good Natural/Native oc Presumed Extant Unknown : Denverton (38121 : Solano : 38.20195° / -121. Zone-10 N42287 2.1 acres : 250 ft	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145° 42 E591807	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63	F CTS LARVAE OBS MAR, 117 CAPTURE 3930 3930 SPECIFIC :POLYGON	30 MAR 2001. 160 LA D ON 12 MAY 2006. No  Record Last Township: Range: Section:	RVAE CAF DNE OBS Dates La Element: Site: Updated: 04N 01W 11	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2006-05-12 2007-02-14
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (3812 <sup>4</sup> Solano 20195° / -121. Zone-10 N42287 2.1 acres 250 ft POTRERO HILLS POTRERO HILLS	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145° 42 E591807 S, 1.8 MILES SOUTH OI 7 STOCK PONDS LOC	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 3930 SPECIFIC POLYGON	30 MAR 2001. 160 LA D ON 12 MAY 2006. No Record Last Township: Range: Section: Meridian: HILLS. POND 7 IS A L	RVAE CAR DNE OBS Dates La Element: Site: Updated: 04N 01W 11 M ARGE STC	PTURED 8 APR 2003. 7 JUN 2006. st Seen 2006-05-12 2007-02-14 Qtr: SW
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (38121 Solano 38.20195°/-121. Zone-10 N42287 2.1 acres 250 ft POTRERO HILLS POND 7, IS 1 OF SUPPORTS LAR TO THE NORTH	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145° 42 E591807 S, 1.8 MILES SOUTH OI 7 STOCK PONDS LOC GE NUMBERS OF LAR	FILL EXPANSION. IN MAR AND JUN 2000, 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63 Mapping Precision Symbol Type: F HIGHWAY 12, SE OF FAIRFIELD CATED IN A VALLEY ENVELOPED	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 SPECIFIC POLYGON WITHIN POTRERO HAVE BEEN OBSER	30 MAR 2001. 160 LA D ON 12 MAY 2006. No Record Last Township: Range: Section: Meridian: HILLS. POND 7 IS A LI /ED THROUGHOUT S	RVAE CAR DNE OBS Dates La Element: Site: Updated: 04N 01W 11 M ARGE STC PRING BR	PTURED 8 APR 2003.           7 JUN 2006.           st Seen           2006-05-12           2007-02-14           Qtr: SW           DCK POND THAT           ANCH CREEK VALLE
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	HABITAT SURRO THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (38121 Solano 38.20195° / -121. Zone-10 N42287 2.1 acres 38.20195° / -121. Zone-10 N42287 2.1 acres 50 ft POTRERO HILLS POTRERO HILLS POTRERO HILLS SUPPORTS LAR TO THE NORTH HABITAT SURRO TO THE WEST.	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145° 42 E591807 S, 1.8 MILES SOUTH OI 7 STOCK PONDS LOC GE NUMBERS OF LAR DUNDING POND CONS	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63 Mapping Precision Symbol Type: F HIGHWAY 12, SE OF FAIRFIELD CATED IN A VALLEY ENVELOPED EVAE EVERY YEAR. ADULT CTS H SISTS OF HEAVILY-GRAZED NON-	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 SPECIFIC POLYGON WITHIN POTRERO HAVE BEEN OBSER	30 MAR 2001. 160 LA D ON 12 MAY 2006. No Record Last Township: Range: Section: Meridian: HILLS. POND 7 IS A LI /ED THROUGHOUT S	RVAE CAR DNE OBS Dates La Element: Site: Updated: 04N 01W 11 M ARGE STC PRING BR	PTURED 8 APR 2003.           7 JUN 2006.           st Seen           2006-05-12           2007-02-14           Qtr: SW           DCK POND THAT           ANCH CREEK VALLE
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai Ecological	HABITAT SURRC THREATENED B 10'S TO 100'S OF LARVAE CAPTUI PVT 875 Good Natural/Native oc Presumed Extant Unknown Denverton (38121 Solano 38.20195° / -121. Zone-10 N42287 2.1 acres 250 ft POTRERO HILLS POND 7, IS 1 OF SUPPORTS LAR TO THE NORTH HABITAT SURRC TO THE WEST. THREATENED B	Y A PROPOSED LAND F LARVAE OBSERVED RED ON 14 MAY 2004. Map Index: 63835 currence 128/481B) 95145° 42 E591807 S, 1.8 MILES SOUTH OI 7 STOCK PONDS LOC GE NUMBERS OF LAR DUNDING POND CONS Y A PROPOSED LAND	FILL EXPANSION. IN MAR AND JUN 2000. 1000'S OF 134 LARVAE CAPTURED ON 28 M EO Index: 63 Mapping Precision Symbol Type: F HIGHWAY 12, SE OF FAIRFIELD CATED IN A VALLEY ENVELOPED EVAE EVERY YEAR. ADULT CTS H SISTS OF HEAVILY-GRAZED NON-	F CTS LARVAE OBS WAR, 117 CAPTURE 3930 SPECIFIC POLYGON WITHIN POTRERO 4AVE BEEN OBSER -NATIVE GRASSLAM	30 MAR 2001. 160 LA D ON 12 MAY 2006. No 	RVAE CAR DNE OBS Dates La Element: Site: Updated: 04N 01W 11 M ARGE STC PRING BR	PTURED 8 APR 2003.           7 JUN 2006.           st Seen           2006-05-12           2007-02-14           Qtr: SW           QCK POND THAT           ANCH CREEK VALLE           PACE AND A LANDFIL

California tiger salamano			nt Code: AAAAA01180
Federal: Threater State: None		NDDB Element Ranks Global: G2G3 State: S2S3	CDFG Status: SC
Habitat As	sociations ———		
		D. SANTA BARBARA & SONOMA COUNTIES DPS I	
Micro: NEED U BREEDI		3ROUND SQUIRREL BURROWS & VERNAL POOI	LS OR OTHER SEASONAL WATER SOURCES FOR
Occurrence No.	•	EO Index: 64229	Dates Last Seen
Occ Rank: Origin:	Fair Natural/Native occurrence		Element: 1999-02-10 Site: 1999-02-10
Presence:	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2006-03-06
	Elmira (3812138/498C)		
County Summary:	Solano		
	38.28418º / -121.94649º Zone-10 N4237871 E592137		Township: 05N Range: 01W
Area:	2016-10 14237071 2392137	Mapping PrecisionNON-SPECIFIC	Section: 14 Qtr: NW
Elevation:	140 ft	Symbol Type:POLYGON	Meridian: M
Location:	ON THE NORTH EDGE OF TRAVIS AFB		
Ecological:	HABITAT CONSISTS OF GRAZED ANNUA REMAINING.	AL GRASSLAND. PORTIONS DEVELOPED INTO N	IEW BASE HOUSING, WITH SOME OPEN SPACE
Threat:	THREATENED BY DEVELOPMENT (THIS	SITE WAS SUBSEQUENTLY DEVELOPED INTO E	BASE HOUSING).
General:	1 DEAD ADULT OBSERVED ON 10 FEB 1	999.	
Owner/Manager:	DOD-TRAVIS AFB		
No.	002 Mars Instance 04470	<b>50</b> Instance 04540	Dates Last Seen
Occurrence No. Occ Rank:	•	<b>EO Index:</b> 64549	Element: 2006-03-13
	Natural/Native occurrence		Site: 2006-03-13
	Presumed Extant Unknown		Record Last Updated: 2007-02-26
-	Elmira (3812138/498C)		
County Summary:	38.28508º / -121.91944º		Township: 05N
-	Zone-10 N4237998 E594502		Range: 01W
	80 meters	Mapping PrecisionSPECIFIC	Section: 13 Qtr: NE
Elevation:		Symbol Type:POINT	Meridian: M
	NE OF TRAVIS FIELD, 7 MILES NE OF FA		
Ecological:		MADE POOL SURROUNDED BY NON-NATIVE GRA OLS AND AN INTERMITTENT STREAM ARE ALSO	
General:	1 LARVA OBSERVED ON 13 MAR 2006.		
Owner/Manager:			
Occurrence No.	•	EO Index: 66736	Dates Last Seen     Element: 2006-03-22
Occ Rank: Origin:	Fair Natural/Native occurrence		Site: 2006-03-22
Presence:	Presumed Extant		Record Last Updated: 2006-10-04
	Unknown		100010 Last opuated. 2000-10-04
Quad Summary:	Elmira (3812138/498C)		
-			
County Summary:			Teumehin: OFN
County Summary: Lat/Long:	38.28463° / -121.95627° Zone-10 N4237912 E591282		Township: 05N Range: 01W
County Summary: Lat/Long: UTM: Radius:	38.28463º / -121.95627º Zone-10 N4237912 E591282 80 meters	Mapping PrecisionSPECIFIC	Range: 01W Section: 15 Qtr: NE
County Summary: Lat/Long: UTM:	38.28463º / -121.95627º Zone-10 N4237912 E591282 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Range: 01W
County Summary: Lat/Long: UTM: Radius: Elevation: Location:	38.28463° / -121.95627° Zone-10 N4237912 E591282 80 meters 82 ft 0.3 MILE NE OF VANDEN HIGH SCHOOL	, FAIRFIELD.	Range: 01W Section: 15 Qtr: NE Meridian: M
County Summary: Lat/Long: UTM: Radius: Elevation: Location:	38.28463° / -121.95627° Zone-10 N4237912 E591282 80 meters 82 ft 0.3 MILE NE OF VANDEN HIGH SCHOOL	, FAIRFIELD.	Range: 01W Section: 15 Qtr: NE
County Summary: Lat/Long: UTM: Radius: Elevation: Location Location Detail	38.28463° / -121.95627° Zone-10 N4237912 E591282 80 meters 82 ft 0.3 MILE NE OF VANDEN HIGH SCHOOL. POND IS THE SOUTHERNMOST OF THR PONDS. HABITAT CONSISTS OF A MAN-MADE PO	, FAIRFIELD. EE PONDS FOUND ALONG A RAISED RAILROAD	Range: 01W Section: 15 Qtr: NE Meridian: M
County Summary: Lat/Long: UTM: Radius: Elevation: Location Location Detail Ecological:	38.28463° / -121.95627° Zone-10 N4237912 E591282 80 meters 82 ft 0.3 MILE NE OF VANDEN HIGH SCHOOL, POND IS THE SOUTHERNMOST OF THR PONDS. HABITAT CONSISTS OF A MAN-MADE PC A MAXIMUM PONDING DEPTH OF ~2', A	, FAIRFIELD. EE PONDS FOUND ALONG A RAISED RAILROAD OND LOCATED ALONG THE WEST SIDE OF A RA ND THE WATER WAS MURKY. CRAWDADS AND N	Range: 01W Section: 15 Qtr: NE Meridian: M TRACK BERM; NO CTS WERE FOUND IN THE OTHER ISED RAILROAD TRACK BERM; POND IS ~40' X 20', WI

California tiger salamar			Element Code: AAAAA0118	
Stat		NDDB Element Ranks -	Other Lists	
Federal: Threate	ned	Global: G2G3	CDFG S	Status: SC
State: None		State: S2S3		
			MA COUNTIES DPS LISTED AS ENDANG	EPED
			DWS & VERNAL POOLS OR OTHER SEAS	
BREED			SW3 & VERIAL FOOLS ON OTHER SEAS	SONAL WATER SOURCESTOR
Occurrence No	. 940 Map Index: 6	64319 EO Index:	68397 -	Dates Last Seen
Occ Rank				Element: 2004-11-29
•	: Natural/Native occurrence			Site: 2004-11-29
	: Presumed Extant : Unknown		Record L	Last Updated: 2007-02-26
Quad Summary	: Elmira (3812138/498C)			
County Summary	: Solano			
Lat/Long	: 38.28697º/-121.91476º		Townsh	nip: 05N
	Zone-10 N4238213 E594909		-	ge: 01W
	: 80 meters	Mapping Precis		on: 12 Qtr: XX
Elevation	. 00 11	Symbol Ty	ype.rolini Meridia	an: M
Location	: TRAVIS AFB, AT INTERSECTIO	N OF MERIDIAN ROAD AND RAILROA	D TRACKS.	
Location Detai	I: MAPPED ACCORDING TO LAT/	LONG COORDINATES AND MAP PRO	VIDED BY SOURCE.	
Ecologica	I: SHALLOW TURBID POOL AREA WETLANDS IN ADJACENT GRA		AILROAD TRACKS. NO VEGETATION OB	SERVED. VERNAL POOLS/SEAS
General		RISTOPHER ROGERS DURING VERN TO SITE; ANIMAL PRESUMED TO BE	AL POOL INVERTEBRATE SURVEY ON 29	9 NOV 2004. SPECIES NOT OBSE
Owner/Manager	r: DOD-TRAVIS AFB			
Occurrence No	. 995 Map Index: 5	70198 EO Index:	71068	Dates Last Seen
	: Unknown	EO Index:	71068	Element: 2002-05-13
	: Natural/Native occurrence			Site: 2002-05-13
Presence	: Presumed Extant : Unknown		Record L	Last Updated: 2007-10-15
-	r: Elmira (3812138/498C)			
County Summary				
-	38.26403º / -121.87804º			nip: 05N
	Zone-10 N4235705 E598152 : 5.0 acres	Mapping Precis	-	ge: 01E on: 21 Qtr:SW
Elevation				an: M
		ECTION OF CREED ROAD AND GOOS	SE HAVEN ROAD, ~ 3MILES EAST OF TRA	AVIS FIELD.
	a: 2.4 MILES NW OF THE INTERSE il:LARRY SERPA'S POOL 3	ECTION OF CREED ROAD AND GOOS	SE HAVEN ROAD, ~ 3MILES EAST OF TRA	AVIS FIELD.
Location Detai			SE HAVEN ROAD, ~ 3MILES EAST OF TRA	AVIS FIELD.
Location Detai Ecologica	II:LARRY SERPA'S POOL 3	NAL POOL.	SE HAVEN ROAD, ~ 3MILES EAST OF TRA	AVIS FIELD.
Location Detai Ecologica	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG	NAL POOL.	SE HAVEN ROAD, ~ 3MILES EAST OF TRA	AVIS FIELD.
Location Detai Ecologica General Owner/Manager	II:LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG r: UNKNOWN	NAL POOL. SE OBSERVED ON 13 MAY 2002.		VIS FIELD.
Location Detai Ecologica General Owner/Manager Occurrence No	II:LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG r: UNKNOWN	NAL POOL. SE OBSERVED ON 13 MAY 2002.		
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI II: UNKNOWN NUMBER/LIFESTAG II: UNKNOWN 0. 996 Map Index:	NAL POOL. SE OBSERVED ON 13 MAY 2002.		Dates Last Seen
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG r: UNKNOWN 0. 996 Map Index: 5 : Unknown	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070 -	Dates Last Seen Element: 2002-03-25
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG r: UNKNOWN 996 Map Index: 5 : Unknown : Natural/Native occurrence : Presumed Extant	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070 -	Dates Last Seen Element: 2002-03-25 Site: 2002-03-25
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERM : UNKNOWN NUMBER/LIFESTAG : UNKNOWN 996 Map Index: : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D)	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070 -	Dates Last Seen Element: 2002-03-25 Site: 2002-03-25
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG : UNKNOWN 9. 996 Map Index: 1 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) <i>:</i> Solano	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070	
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG : UNKNOWN 996 Map Index: 1 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) :: Solano : 38.26010° / -121.87180°	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070	
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG : UNKNOWN 9. 996 Map Index: 1 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) <i>:</i> Solano	NAL POOL. SE OBSERVED ON 13 MAY 2002.	71070 - Record L	
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	II: LARRY SERPA'S POOL 3 I: HABITAT CONSISTS OF A VERI : UNKNOWN NUMBER/LIFESTAG : UNKNOWN 996 Map Index: 7 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) /: Solano : 38.26010° / -121.87180° Zone-10 N4235276 E598703 : 15.0 acres	NAL POOL. SE OBSERVED ON 13 MAY 2002. 70210 EO Index: Mapping Precis	71070	Dates Last Seen     Element: 2002-03-25     Site: 2002-03-25 Last Updated: 2007-10-16  nip: 05N ge: 01E
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI II: UNKNOWN NUMBER/LIFESTAG II: UNKNOWN 996 Map Index: 1 Unknown Natural/Native occurrence Presumed Extant Unknown II: Dozier (3812137/498D) II: Solano 38.26010° / -121.87180° Zone-10 N4235276 E598703 II: 5.0 acres 32 ft	NAL POOL. SE OBSERVED ON 13 MAY 2002. 70210 EO Index: Mapping Precis Symbol Ty	71070	Dates Last Seen           Element:         2002-03-25           Site:         2002-03-25           Last Updated:         2007-10-16           nip:         05N           ge:         01E           on:         21         Qtr: SW           an:         M
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI II: UNKNOWN NUMBER/LIFESTAG II: UNKNOWN 996 Map Index: 1 Unknown Natural/Native occurrence Presumed Extant Unknown II: Dozier (3812137/498D) II: Solano 38.26010° / -121.87180° Zone-10 N4235276 E598703 II: 5.0 acres 32 ft	NAL POOL. SE OBSERVED ON 13 MAY 2002. 70210 EO Index: Mapping Precis Symbol Ty	71070	Dates Last Seen           Element:         2002-03-25           Site:         2002-03-25           Last Updated:         2007-10-16           nip:         05N           ge:         01E           on:         21         Qtr: SW           an:         M
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Elevation Location Detai	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI II: UNKNOWN NUMBER/LIFESTAG II: UNKNOWN 9. 996 Map Index: 7 VINKNOWN 1. Unknown 1. Natural/Native occurrence 2. Presumed Extant 2. Unknown 1. Dozier (3812137/498D) 7. Solano 1. Solano	NAL POOL. SE OBSERVED ON 13 MAY 2002. 70210 EO Index: Mapping Precis Symbol Ty CTION OF CREED ROAD AND GOOSE	71070	Dates Last Seen           Element:         2002-03-25           Site:         2002-03-25           Last Updated:         2007-10-16           nip:         05N           ge:         01E           on:         21         Qtr: SW           an:         M
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica	II: LARRY SERPA'S POOL 3 II: HABITAT CONSISTS OF A VERI II: UNKNOWN NUMBER/LIFESTAG II: UNKNOWN 9 996 Map Index: 1 II: Unknown II: Unknown II: Natural/Native occurrence II: Versumed Extant II: Unknown II: Dozier (3812137/498D) II: Solano II: Solano II: Solano II: Solano II: Solano II: Solano II: Jo. acres II: J. acres II: J. MILES NW OF THE INTERSEC	NAL POOL. SE OBSERVED ON 13 MAY 2002. 70210 EO Index: Mapping Precis Symbol Ty CTION OF CREED ROAD AND GOOSE	71070	Dates Last Seen           Element:         2002-03-25           Site:         2002-03-25           Last Updated:         2007-10-16           nip:         05N           ge:         01E           on:         21         Qtr: SW           an:         M

California tiger salamander		Element Code: AAAAA01180
Status	NDDB Element Ranks	Other Lists
Federal: Threatened State: None	Global: G2G3 State: S2S3	CDFG Status: SC
Habitat Associations		
General: CENTRAL VALLEY DPS LISTED AS THREATE		
MICTO: NEED UNDERGROUND REFUGES, ESPECIA BREEDING	LLY GROUND SQUIRREL BURROWS & VERNA	AL POOLS OR OTHER SEASONAL WATER SOURCES FOR
Occurrence No. 997 Map Index: 6164	7 <b>EO Index:</b> 71071	Dates Last Seen
Occ Rank: Unknown Origin: Natural/Native occurrence		Element: 2002-05-13 Site: 2002-05-13
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2007-10-15
Que d Querra Electra (0040400/4000)		
Quad Summary: Elmira (3812138/498C)		
County Summary: Solano		
Lat/Long: 38.26016º / -121.89766º		Township: 05N
UTM: Zone-10 N4235255 E596440		Range: 01E
Area: 4.8 acres	Mapping PrecisionSPECIFIC	
Elevation: 37 ft	Symbol Type:POLYGON	Meridian: M
Location: 1 MILE EAST OF MERIDIAN ROAD, ~	-5 MILES SW OF DOZIER.	
Location Detail:LARRY SERPA'S POOL 11		
	ROOL	
Ecological: HABITAT CONSISTS OF A VERNAL I		
General: UNKNOWN NUMBER/LIFESTAGE OF	BSERVED ON 13 MAY 2002.	
Owner/Manager: UNKNOWN		
Occurrence No. 998 Map Index: 6164	8 <b>EO Index:</b> 71074	— Dates Last Seen —
Occ Rank: Unknown		Element: 2002-05-13
Origin: Natural/Native occurrence Presence: Presumed Extant		<b>Site:</b> 2002-05-13
Trend: Unknown		Record Last Updated: 2007-10-31
Quad Summary: Elmira (3812138/498C)		
County Summary: Solano		
Lat/Long: 38.25712º / -121.90577º		Township: 05N
UTM: Zone-10 N4234910 E595735		Range: 01E
Area: 21.7 acres	Mapping PrecisionSPECIFIC	
Elevation: 47 ft	Symbol Type:POLYGON	Meridian: M
Location: 0.5 MILE EAST OF MERIDIAN ROAD	, ~5 MILES SW OF DOZIER.	
Location Detail: LARRY SERPA'S POOL 12		
Ecological: HABITAT CONSISTS OF A VERNAL I	POOL	
General: UNKNOWN NUMBER/LIFE STAGE O	BSERVED ON 13 MAY 2002.	
Owner/Manager: UNKNOWN		
		Dates Last Seen
Occurrence No. 999 Map Index: 7020	0 <b>EO Index:</b> 71075	Element: 2002-02-15
Occ Rank: Unknown Origin: Natural/Native occurrence		Site: 2002-02-15
Presence: Presumed Extant		
Trend: Unknown		Record Last Updated: 2007-10-15
Quad Summary: Denverton (3812128/481B) County Summary: Solano		
Lat/Long: 38.24728°/-121.88071°		Township: 05N
UTM: Zone-10 N4233844 E597940	Manufact Description	Range: 01E
Area: 13.0 acres Elevation: 36 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	
	Symbol Type, OLTGOR	
Location: ~4.3 MILES SW OF DOZIER.		
Location Detail: LARRY SERPA'S POOL 15 AND 16		
Ecological: HABITAT CONSISTS OF VERNAL PC	DOLS.	

California tiger salamano			Element Code: AAAAA01180		
Federal: Threater		<ul> <li>NDDB Element Ranks</li> <li>Global: G2G3</li> </ul>	Other Lists     CDFG State	us: SC	
State: None		State: S2S3			
General: CENTRA	sociations ————————————————————————————————————	D. SANTA BARBARA & SONOMA CO	INTIES DPS LISTED AS ENDANGERE	 -D	
	NDERGROUND REFUGES, ESPECIALLY				OURCES FOR
Occurrence No.	1000 Map Index: 70201	EO Index: 71076		Dates Last	Seen ———
Occ Rank:			I	Element: 2	
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last		2002-02-15 2007-10-15
Quad Summarv:	Denverton (3812128/481B), Elmira (3812	138/498C)			
County Summary:					
Lat/Long:	38.25070º / -121.88447º		Township:	05N	
	Zone-10 N4234220 E597606		Range:		Qtr: XX
Elevation:	9.0 acres 30 ft	Mapping PrecisionSPE Symbol Type:POL			Qtr: AA
Location	~4.4 MILES SW OF DOZIER.				
	-4.4 MILES SW OF DOZIER.				
	HABITAT CONSISTS OF VERNAL POOL				
-	UNKNOWN NUMBER/LIFESTAGE OBSE				
Owner/Manager:					
Occurrence No.	1001 Map Index: 61673	EO Index: 71077		Dates Last	Seen
Occ Rank:	•				2002-05-13
-	Natural/Native occurrence			Site: 2	2002-05-13
	Presumed Extant Unknown		Record Last	Updated: 2	2007-10-15
Quad Summary:	Elmira (3812138/498C)				
County Summary:	Solano				
-	38.27269º / -121.87934º		Township:		
	Zone-10 N4236665 E598026 22.3 acres	Mapping PrecisionSPE	CIFIC Section:		Qtr: XX
Elevation:		Symbol Type:POL			
Location:	~3.4 MILES WSW OF DOZIER.				
Location Detail	LARRY SERPA'S POOL 24				
Ecological	HABITAT CONSISTS OF VERNAL POOL				
General:	UNKNOWN NUMBER/LIFESTAGE OBSE	ERVED ON 13 MAY 2002.			
Owner/Manager:	UNKNOWN				
Occurrence No.	1002 Map Index: 61676	EO Index: 71079		Dates Last	Seen
Occ Rank:			I	Element: 2 Site: 2	2002-04-02 2002-04-02
•	Natural/Native occurrence Presumed Extant			Site: 2	2002-04-02
	Unknown		Record Last	Updated: 2	2007-10-31
-	Dozier (3812137/498D)				
County Summary:					
	38.26705° / -121.85667° Zone-10 N4236064 E600017		Township: Range:		
	80 meters	Mapping PrecisionSPE			Qtr: XX
Elevation:	32 ft	Symbol Type:POI		М	
Location:	~2.5 MILES SW OF DOZIER.				
Location Detail	LARRY SERPA'S POOL 30. POOL DOES	S NOT SHOW ON TOPO MAP; LOCAT	ON TAKEN FROM UTM COORDINATE	S IN SOUR	CE DOCUMENT TA
Ecological	HABITAT CONSISTS OF A VERNAL PO	OL WITH AN IRREGULAR MARGIN.			
	UNKNOWN NUMBER/LIFESTAGE OBSE				

grasshopper sparrow Status	ND	DB Element Ranks	ent Code: ABPBXA0020 Other Lists	
Federal: None		Global: G5	CDFG Status: SC	
State: None		State: S2		
Habitat Associations				
General: DENSE GRASSLAN	NDS ON ROLLING HILLS, LOWLAND	PLAINS, IN VALLEYS & ON HILLSIDES ON	LOWER MOUNTAIN SLOPES.	
Micro: FAVORS NATIVE G	RASSLANDS WITH A MIX OF GRAS	SSES, FORBS & SCATTERED SHRUBS. LOO	DSELY COLONIAL WHEN NESTING	
Occurrence No. 16	Map Index: 69694	EO Index: 70479	Dates La	st Seen
Occ Rank: Fair			Element:	2007-06-19
Origin: Natural/Na			Site:	2007-06-19
Presence: Presumed	Extant		Descrid Loot Undeted	2007 07 20
Trend: Unknown			Record Last Updated:	2007-07-26
Quad Summary: Saxon (38	12146/497B)			
County Summary: Solano				
Lat/Long: 38.37841°	/ -121.73067°		Township: 06N	
UTM: Zone-10 N	4248565 E610870		Range: 02E	
Radius: 80 meters		Mapping PrecisionSPECIFIC	Section: 11	Qtr: SW
Elevation: 240 ft		Symbol Type:POINT	Meridian: M	
Location: WEST SID	E OF ETZEL ROAD, 0.4 MILE NORT	H OF DELHI ROAD, SE OF DIXON.		
Ecological: HABITAT	CONSISTS OF NON-NATIVE GRASS	LAND/AGRICULTURE.		
	DBSERVED ON 19 JUN 2007. THIS S	PECIES HAS BEEN OBSERVED BY SEVER	AL PEOPLE IN THIS AREA WITHIN	THE PAST WEEK,

	ol andrenid bee			ode: IIHYM35030	
Federal: None State: None	s ————	NDDB Element     Global: G2     State: S2	Ranks ————	Other Lists     Other Lists     CDFG Status:	
Habitat Ass					
		NAL POOL BLENNOSPERMA.			
MICIO. BEES NE	ST IN THE UPLANDS AROU	IND VERNAL POOLS.			
Occurrence No.	10 Map Index	<b>x:</b> 59380	EO Index: 59416	Dat	es Last Seen
Occ Rank:	Unknown				ent: 19XX-XX-XX
-	Natural/Native occurrence			\$	Site: 19XX-XX-XX
	Presumed Extant Unknown			Record Last Upo	lated: 2005-01-18
field.	UIKIOWI				
Quad Summary:	Dozier (3812137/498D)				
County Summary:	Solano				
Lat/Long:	38.31145º / -121.82199º			Township: 05	N
	Zone-10 N4241029 E602988			Range: 01E	
Radius: Elevation:		Мар	ping PrecisionNON-SPECIFIC Symbol Type:POINT	Section: 01 Meridian: M	Qtr: XX
Lievation.	50 IL				
Location:	8 MILES SOUTH OF DIXON.				
		CTIC ON VERNAL POOL FLOW	ERS, ESPECIALLY BLENNOSPER	ЛА.	
Ecological:			ERS, ESPECIALLY BLENNOSPERN	ЛА.	
Ecological:	THIS SPECIES IS OLIGOLEO		ERS, ESPECIALLY BLENNOSPERM	IA.	
Ecological: General: Owner/Manager:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN	NG INFORMATION GIVEN.			es I ast Seen
Ecological: General: Owner/Manager: Occurrence No.	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index	NG INFORMATION GIVEN.	EO Index: 59418	Dat	es Last Seen
Ecological: General: Owner/Manager: Occurrence No. Occ Rank:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index	NG INFORMATION GIVEN.		Dat Elerr	
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant	NG INFORMATION GIVEN.		Dat Elen	eent: 1993-03-18 Site: 1993-03-18
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index Unknown Natural/Native occurrence	NG INFORMATION GIVEN.		Dat Elen	ent: 1993-03-18
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant	NG INFORMATION GIVEN.		Dat Elen	eent: 1993-03-18 Site: 1993-03-18
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTI UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)	NG INFORMATION GIVEN.		Dat Elen	eent: 1993-03-18 Site: 1993-03-18
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTI UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)	NG INFORMATION GIVEN.		Dat Elen	nent: 1993-03-18 Site: 1993-03-18 lated: 2005-07-07
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTI UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26903º / -121.82215º Zone-10 N4236321 E603034	NG INFORMATION GIVEN.	EO Index: 59418	Dat     Elem     S     Record Last Upc     Township: 051     Range: 011	Nent: 1993-03-18 Site: 1993-03-18 lated: 2005-07-07
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTINUNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26903° / -121.82215° Zone-10 N4236321 E603034 1 mile	NG INFORMATION GIVEN.	EO Index: 59418	Township: 057 Range: 011 Section: 24	Nent: 1993-03-18 Site: 1993-03-18 Iated: 2005-07-07
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTINUNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26903° / -121.82215° Zone-10 N4236321 E603034 1 mile	NG INFORMATION GIVEN.	EO Index: 59418	Dat     Elem     S     Record Last Upc     Township: 051     Range: 011	Nent: 1993-03-18 Site: 1993-03-18 lated: 2005-07-07
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTI UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26903º / -121.82215º Zone-10 N4236321 E603034 1 mile 20 ft	NG INFORMATION GIVEN.	EO Index: 59418 ping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 057 Range: 011 Section: 24	Nent: 1993-03-18 Site: 1993-03-18 lated: 2005-07-07
Ecological: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	THIS SPECIES IS OLIGOLEC NO ADDITIONAL COLLECTII UNKNOWN 11 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26903º / -121.82215º Zone-10 N4236321 E603034 1 mile 20 ft	NG INFORMATION GIVEN. x: 10559 Map /E, 11 MILES SOUTH OF DIXO	EO Index: 59418 ping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 057 Range: 011 Section: 24	Nent: 1993-03-18 Site: 1993-03-18 lated: 2005-07-07

Owner/Manager: SOLANO LAND TRUST

Antioch Dunes anthicid beetle		I	Element Code: IICOL49020	
Status		NDDB Element Ranks	Other Lists	
Federal: None		Global: G1	CDFG Status:	
State: None		State: S1		
Habitat Associations	i ———			
General: EXTIRPATED FRO	M ANTIOCH DUNES BUT	PRESENT IN SEVERAL LOCALITIES ALONG THE	E SACRAMENTO AND FEATHER RIVERS.	
Micro:				
Occurrence No. 2	Map Index: 5725	50 <b>EO Index:</b> 57266	Dates Last	Seen —
Occ Rank: Unknown			Element: 1	
Origin: Natural/Na			Site: 1	1987-06-13
Presence: Presumed	Extant		Depart Lost Undeted.	0004 40 00
Trend: Unknown			Record Last Updated: 2	2004-10-08
Quad Summary: Rio Vista (	(3812126/480B)			
County Summary: Solano				
Lat/Long: 38.18273	·/ -121.68784º		Township: 04N	
UTM: Zone-10 N	V4226904 E614919		Range: 03E	
Radius: 3/5 mile		Mapping PrecisionNON-SPEC	CIFIC Section: 19	Qtr: XX
Elevation: 20 ft		Symbol Type:POINT	Meridian: M	
Location: DREDGE	DISPOSAL SITE ABOUT 0	.5 MI INLAND FROM THE SACRAMENTO RIVER	AT RM 13.8. JUST NORTH OF RIO VISTA A	AIRPORT.
		TE		
Ecological: DREDGE	D MATERIAL DISPUSAL S			

cramento anthicid be Stat			NDDB Element Ranks	Element	Code: IICOL49010 Other Lists		
Federal: None	us		Global: G1		CDFG Statu	18.	
State: None			State: S1		021 0 0141		
Habitat As	sociations —						
General: RESTR	CTED TO SAND DU	JNE AREAS OF TH	HE SACRAMENTO-SAN JOAQUIN	I DELTA.			
Micro: INHABI	F SAND SLIPFACES	S AMONG BAMBO	O AND WILLOW BUT MAY NOT D	DEPEND ON PRESENCE	OF THESE PLANT SP	ECIES.	
Occurrence No	. 1	Map Index: 1089	FO Index	: 12141	_	Dates La	st Seen
Occ Rank:	Unknown				E		1977-06-27
-	Natural/Native occu	urrence				Site:	1977-06-27
	Presumed Extant Unknown				Record Last	Updated:	2004-10-05
Quad Summary	: Isleton (3812125/4	BOA) Rio Vista (38	12126/480B)				
County Summary			1212014000)				
	38.17458º / -121.6	30300			Townshin	04N	
-	Zone-10 N4226072				Township: Range:		
Radius:				isionNON-SPECIFIC	Section:		Qtr: XX
Elevation	15 ft			<b>ype:</b> POINT	Meridian:	М	
Location	WEST END OF GR	RAND ISLAND, 1 N	II W OF ISLETON.				
General	TYPE LOCALITY; COLLECTION OF		DEPOSITED AT CAS. 2 PARATY DFA).	PES AND ONE NON-TYP	PE SPECIMEN DEPOSI	TED IN TH	IE CALIFORNI
Owner/Manager		(-	·				
Occurrence No	. 2	Map Index: 1083	35 EO Index	: 14460		Dates La	st Seen ——
Occ Rank:		•			E	lement:	1974-08-21
-	Natural/Native occu	urrence				Site:	1979-09-XX
	Presumed Extant Unknown				Record Last	Updated:	1989-08-11
Quad Summary County Summary	: Rio Vista (3812126 : Solano	/480B)					
		20000			Townshins	001	
-	38.13510º / -121.69 Zone-10 N4221605				Township: Range:		
	164.9 acres	2014102	Mapping Preci	isionSPECIFIC	Section:		Qtr: XX
Elevation	30 ft			ype:POLYGON	Meridian:	М	
Location	: SAND DUNE ARE	A IMMEDIATELY S	S OF RIO VISTA.				
Ecological	: SAND IS DREDGE	SPOIL.					
-	21 PARATYPES C		ND DUNE AREA.				
Owner/Manager							
Occurrence No	. 3	Map Index: 572	50 EO Index	: 57325		Dates La	st Seen
Occ Rank:					E	lement:	2004-05-30
Origin:	Natural/Native occu	urrence				Site:	2004-06-13
	Presumed Extant Unknown				Record Last	Updated:	2004-10-08
	: Rio Vista (3812126	/480B)					
County Summary							
Lat/Long:	38.18273º / -121.6	8784º			Township:	04N	
	Zone-10 N4226904	4 E614919			Range:		
Radius: Elevation	3/5 mile 20 ft			isionNON-SPECIFIC Type:POINT	Section: Meridian:		Qtr: XX
Location	DREDGE DISPOS	AL SITE ABOUT 0	.5 MI INLAND FROM THE SACRA	WENTO RIVER AT RIVET	3.8. 3031 NORTH OF 1		AINFORT.

great egret		Element	Code: ABNGA04040	
Status	NDDB	Element Ranks	Other Lists	
Federal: None		bal: G5	CDFG Status:	
State: None	Sta	ate: S4		
Habitat Associations —				
General: COLONIAL NESTER IN LA	RGE TREES.			
Micro: ROOKERY SITES LOCATE	D NEAR MARSHES, TIDE-FLAT	S, IRRIGATED PASTURES, AND MARGINS	OF RIVERS AND LAKES.	
Occurrence No. 16	Map Index: 17134	EO Index: 12063	Dat	es Last Seen
Occ Rank: Good				ent: 1990-06-24
Origin: Natural/Native occ	urrence		:	Site: 1990-06-24
Presence: Presumed Extant Trend: Stable			Record Last Upo	lated: 1990-11-14
Quad Summary: Dozier (3812137/4	98D)			
County Summary: Solano				
			Toursehim, OF	N
Lat/Long: 38.28888º / -121.8	32541°		Township: 05	•
Lat/Long: 38.28888º / -121.8 UTM: Zone-10 N423852			Range: 01	
UTM: Zone-10 N423852 Radius: 80 meters		Mapping PrecisionSPECIFIC	<b>Range:</b> 011 <b>Section:</b> 11	
UTM: Zone-10 N423852		Mapping PrecisionSPECIFIC Symbol Type:POINT	Range: 01	E
UTM: Zone-10 N423852 Radius: 80 meters Elevation: 20 ft	0 E602721		<b>Range:</b> 011 <b>Section:</b> 11	E
UTM: Zone-10 N423852 Radius: 80 meters Elevation: 20 ft Location Detail:ROOKERY OF 20	10 E602721 HWY 113 INTERSECTION WITH	Symbol Type:POINT	Range: 011 Section: 11 Meridian: M	E Qtr: SE
UTM: Zone-10 N423852 Radius: 80 meters Elevation: 20 ft Location: 0.25 MI NNW OF I Location Detail: ROOKERY OF 20 NESTS EASILY O	10 E602721 HWY 113 INTERSECTION WITH + ADULTS OBSERVED IN A GRO	Symbol Type:POINT COOK LANE, EAST OF TRAVIS AFB. DVE OF TALL EUCALYPTUS LOCATED BEI	Range: 011 Section: 11 Meridian: M	E Qtr: SE
UTM: Zone-10 N423852 Radius: 80 meters Elevation: 20 ft Location: 0.25 MI NNW OF 1 Location Detail:ROOKERY OF 20 NESTS EASILY O Ecological: SURROUNDING F	10 E602721 HWY 113 INTERSECTION WITH + ADULTS OBSERVED IN A GRO BSERVED FROM ROADWAY. HABITAT IS INDUSTRIAL/AGRICI	Symbol Type:POINT COOK LANE, EAST OF TRAVIS AFB. DVE OF TALL EUCALYPTUS LOCATED BEI	Range: 011 Section: 11 Meridian: M	E Qtr: SE

short-eared owl		Elemer	nt Code: ABNSB13040	
Status	ND	DB Element Ranks	Other Lists	
Federal: None		Global: G5	CDFG Status: SC	
State: None		State: S3		
Habitat Associations				
General: FOUND IN SWAMP	LANDS, BOTH FRESH AND SALT; L	OWLAND MEADOWS; IRRIGATED ALFALFA	FIELDS.	
Micro: TULE PATCHES/TA	ALL GRASS NEEDED FOR NESTING	/DAYTIME SECLUSION. NESTS ON DRY GRO	OUND IN DEPRESSION CONCEAL	ED IN VEGET
Occurrence No. 12	Map Index: 10076	EO Index: 14706	Dates Las	st Seen ——
Occ Rank: Unknown			Element:	1987-XX-XX
Origin: Natural/Na	tive occurrence		Site:	1987-XX-XX
Presence: Presumed	Extant			
Trend: Unknown			Record Last Updated:	1989-08-10
Quad Summary: Honker Ba	y (3812118/481C), Denverton (381212	28/481B), Fairfield South (3812221/482A)		
County Summary: Solano				
Lat/Long: 38.13569°	/ -121.97352°		Township: 04N	
UTM: Zone-10 N	I4221368 E589957		Range: 01W	
Area: 19,083.4 a	acres	Mapping PrecisionSPECIFIC	Section: 4	Qtr: XX
Elevation:		Symbol Type:POLYGON	Meridian: M	
Location: GRIZZLY I	ISLAND WILDLIFE AREA.			
	IS COASTAL MARSH AND FLAT GRA			

Owner/Manager: DFG-GRIZZLY ISLAND WA

Interact Strate         Code Strate           Halvia Associations         State: S1.1           Halvia Associations         State: S1.1           General: Records, W.L.L.F.Y. AND POOTHALL (BAASSAD).         Memory: Records and the PLATS ON OVERAL OWLAND IN THE CENTRAL VALLEY, USUALLY SEEN IN DRY, ADDRE SOL. 6. 77.41.           Occurrence Ro. 6         Map Index: 22765         EO Index: 1993         — Date Last Seen           Occurrence Ro. 7         Map Index: 22765         EO Index: 1993         — Date Last Seen           Occurrence Ro. 6         Map Index: 22765         EO Index: 1993         — Date Last Seen           Occurrence Ro. 7         Record Last Updated: 2003 (03.27)         — State: 2002 (03.17)           Caudi Summary: Yeb         Record Last Updated: 2003 (03.27)         — Record Last Updated: 2003 (03.27)           Lastione: Substation: 83.4129 (11.16.84701)         — Township: 07N         Record Last Updated: 2003 (03.27)           Lastion: 0         Genes: Substation: 0         Genes: Substation: 0         Genes: 2002 (03.27)           Lastion: 0         Marging Precision(VIII And Code And	Ferris' milk-vetch			NDDB Element Ranks	Element Code: PDFA	BOF8R3 er Lists		
Bite:         None         Bite:         State           Heinback         Association         Association         Association         Association           General:         MEADOWS, MULLEY AND FOOTHEL (GNASSLAND, MUNICIN THE CENTRAL VALLEY, USUALLY SEEN IN DRY, ADDRE SOLL, 5-75M.         Enternal:         1978-03-03           Oce: Rank:         None         Bite:         2019-03-03         Enternal:         1978-03-03           Oce: Rank:         None         Bite:         2019-03-03         Enternal:         1978-03-03           County Summary:         Name         Bite:         2019-03-01         Bite:         2019-03-01           County Summary:         Name         Bite:         2019-03-01         Bite:         2019-03-01           County Summary:         None         Bite:         2019-03-01         Bite:         2019-03-01           Bite:         State:         18.71         Mapping Precision MONO, State:         2019-03-01           Leader:         18.71         Mapping Precision MONO, State:         2019-03-01         Bite:         2019-03         Care: 3W           Leader:         18.71         Mapping Precision MONO, MONO, State:         Care: 3W         Care: 3W           Leader:         18.71         State:         State: <t< th=""><th></th><th>15</th><th></th><th></th><th></th><th></th><th>ist: 1B 1</th><th></th></t<>		15					ist: 1B 1	
Habita Associations     H						0111 0 2		
Generi: MEADOWS, VALEY AND FOOTHLIG GRADELAND. Mere: SUBALAVAINE PLATS ON OVERFLOW LAND IN THE CENTRAL VALLEY, USUALLY SEEN IN DRY, ADDRE SOLL 5-74M. County Summary County County Summary Search (\$21243478) Cocurs Summary: Source (\$212437488) Cocurs Summary: Source (\$21243478) Cocurs Summary: Source (\$21243478) Cocurs Summary: Source (\$21243478) Cocurs Summary: Source (\$212444789) Cocurs Summary: Source (\$212444789) Cocurs Sum	Habitat As	sociations						
Micre: SUBALKALINE FLATS ON OVERFLOW LAND IN THE CENTRAL VALLEY, USUALLY SEEN IN DRY, ADDRE SOIL 5-75M.           Occurrence No. 5         Map Index: 2275         EO Index: 19933         — Dates Lat Seen           Occurrence No. 5         Map Index: 2275         EO Index: 19933         — Dates Lat Seen           Origin: Nutry Nature occurrence         Stric: 2002.05-16         Stric: 2002.05-16           Drige: Nutry Nature occurrence         Stric: 2002.05-16         Stric: 2002.05-16           Cauda Summary: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Court String: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Court String: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Court String: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Court String: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Court String: Storo: (B1/12/40/07h)         Tornethig: (JTN         Map Index: 10           Locetion: 14 MLE SOUTH OF SAXON.         Locetion: 14 MLE SOUTH OF SAXON.         Locetion: 14 MLE SOUTH OF SAXON.           Locetion: 15 MLE SOUTH OF SAXON.         Locetion: 14 MLE SOUTH OF SAXON.         Locetion: 12 MLE SOUTH OF SAXON.           Locetion: 17 MLE SOUTH OF SAXON.         Locetion: 12 MLE SOUTH OF SAXON.         Locetion: 12 MLE SOUTH OF SAXON.           Locetion: 17 M			L GRASSLAND.					
Oce Rate: Note         Element: 177:00-08           Origit: ManufAlvate contraction         Site: 2002-06-16           Presence: Possibly Exlipibility         Record Last Updates: 2003-03-21           Quad Summary: Sono (38121404076)         Controls and 2007 (7)           Courd Summary: Sono (38121404076)         Township: 07/1           Courd Summary: Sono (38121404076)         Mapping Precision(01.895C)FIC           Courd Summary: Sono (3812140767)         Mapping Precision(01.895C)FIC           Courd Summary: Sono (3812137/1080)         Eomeret: 3202-01-9 </td <td></td> <td></td> <td></td> <td>E CENTRAL VALLEY; USUALLY</td> <td>SEEN IN DRY, ADOBE SOIL.</td> <td>5-75M.</td> <td></td> <td></td>				E CENTRAL VALLEY; USUALLY	SEEN IN DRY, ADOBE SOIL.	5-75M.		
Oce Rate: Note         Element: 177:00-08           Origit: ManufAlvate contraction         Site: 2002-06-16           Presence: Possibly Exlipibility         Record Last Updates: 2003-03-21           Quad Summary: Sono (38121404076)         Controls and 2007 (7)           Courd Summary: Sono (38121404076)         Township: 07/1           Courd Summary: Sono (38121404076)         Mapping Precision(01.895C)FIC           Courd Summary: Sono (3812140767)         Mapping Precision(01.895C)FIC           Courd Summary: Sono (3812137/1080)         Eomeret: 3202-01-9 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Origin:         Status         2002/05-16           Presence:         Focksit/Linkawin         Record Last Update:         2003/03-21           Quad Summary:         Saxon (3812/MeV97B)         Convertsite         Con			lex: 22755	EO Index: 19	963			
Pressice: Brossing Editprind: Text: Unknown Record Last Updated: 2005/03:21 Quad Summary: Source (38/21/46407/8) County Summary: Noto Radius: 16 mile Radius:								
Trant: Linknown         Record Last Update:         2003/03/21           Quid Summary: Salon (38/12/46/87B)         Township: O/N         Range:: 02E           LatLong: 38/42(38/1-12):6670/E         Township: O/N         Range:: 02E           Bradius: 16 mile         Symbol Type/CINT         Rendius: 16         OC           Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.         Marphing Precision/ON-SPECIFIC         Section: 08         Ctr: 3V           Location: 16 Mile SOUTH OF SAXON.           Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.           Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.         Location: 16 Mile SOUTH OF SAXON.           Location: 17 Mile SOUTH OF SAXON.         Record Last Unknown         Record Last Unknown         Cole Call Ster SAXON.           Occurrence No. 7         Map Index: 22135         EO Index: 7766         Element: 2002/03:10         Site: 2002/03:10           Origin: NaturiNNew occurrence         Site: 2002/03:10         Element: 2002/03:10         Site: 2002/03:10           Origin: NatrinNew occurrence         Site: 2002/03:10	-							
County Summary: Yolo Lations: 38,4128/-121.65670/* Lations: 38,4128/-121.65670/* Lations: 38,4128/-121.65670/* Lations: 38,4128/-121.65670/* Lations: 38,4128/-121.65670/* Lations: 38,4128/-121.65670/* Lations: 39,mbol Type/POINT Readows: 00 Residue: 15 mile Symbol Type/POINT Readows: 00 Residue: 15 mile Symbol Type/POINT Location: 14M LE SOUTH OF SAXON. Location: 14M ADD SWALES: CAPAY SOL, FLOOGED WITH LASTHEINA GLABRATA, DOWNINGIA INSIGNS, ALOOCARYA STIPITATA, ETC ACCOUNTER: 14M LETA DECADED; OVERGAAZED COVM PASTURE: VERY WEEDY IN 2002. General: CALLETION BY CRAMPTON IN 1978 (INF37 ANLC) ORIGINAL SOURCE. STEV SITED 327/02, 4802, & STIPIZ, ND LANTS FOUND. ACCORDIN TO WITHAM HARITAT RESEARCH DOW PASTURE: VERY WEEDY IN 2002. Owner/Manager: DFG-VOLO BASIN WA Cocurrence No. 7 Mag Index: 22135 EO Index: 7756 Ememi: 2002-03-19 Presence: Presumed Examination Cocurrence Presumed Examination Record Last Updated: 2003-03-21 Cocurrence Presumed Examination Record Last Updated: 2003-03-21 Cocurrence Presumed Examination Record Last Updated: 2003-03-21 Cocurrence No. 7 Mag Index: 2213 EO Index: 7756 EMEMONIC Social IN Cocurrence Presumed Examination Record Last Updated: 2003-03-21 Cocurrence Presumed Examination Record Last Updated:					Re	cord Last	Updated:	2003-03-21
LatLong: 34 A1287 / 121 S56070 Toreship: 070 Retails: 10 MAPSRD EST/1168 Mapping Precision/ON-SPECIFIC Sentis: 0.02 Meridian: 14 MLE SOUTH OF SAXON. Location: 14 MLE SOUTH OF SAXON. Threa: HABITAT DEGRADED. OVERGRAZED COW PASTURE. VERY WEED Y IN 2002. General: COLLECTION BY CRAMPTON IN 1078 (MRS70 ALCC) ORGINAL SOURCE: STE VISITED 321/02. 4802, & 916/02. NO PLANTS FOUND. ACCORDIN ON WIRMAN, MARTAT PEGRADED. OVERGRAZED COW PASTURE. VERY WEED Y IN 2002. General: COLLECTION BY CRAMPTON IN 1078 (MRS70 ALCC) ORGINAL SOURCE: STE VISITED 321/02. 4802, & 916/02. NO PLANTS FOUND. ACCORDIN ON WIRMAN, MARTAT PEGRADED. OVERGRAZED COW PASTURE. VERY WEED Y IN 2002. General: COLLECTION BY CRAMPTON AND RELITIVELY INTERNAL LINDSCAFE. VILL BE SUM EVERD. ACADA IN 2003. Outrain: VISION Outrain: Natural Nutwore commonso Presence: Prevanded Exati: Tarea: Unknown Radge: 025 Outrain: 10 MLES SOUTH FAST OF DIXON, 0.25 MLE NORTH OF BUNKER. Ecologics: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002. Threa: AREAS ON ETHER SIDD OF BUNKER STATION ROAD USED AS CATLE PASTURE. General: VISION County Summary: Solon Count Summary: Solon Count Summary: Solon Count Summary: Solon (381214644791) Count	Quad Summary:	Saxon (3812146/497B)						
UTH:     Zoo-10 MAST/851 EB1/198     Mapping Precision/ON-SPECIPIC     Range:     COME       Bit     Symbol Type-POINT     Meridian:     M       Location:     14 MLE SOUTH OF SAXON.     Meridian:     M       Location:     14 MLE SOUTH OF SAXON.     Section:     A       Location:     14 MLE SOUTH OF SAXON.     SUM OF SAXON.     Section:     Meridian:     M       Location:     14 MLE SOUTH OF SAXON.     SUM OF SAXON.     SUM OF SAXON.     Section:     Meridian:     M       Location:     14 MEDIATELY SOUTH OF SAXON.     SUM OF SAXON.     SUM OF SAXON.     SUM OF SAXON.     SUM OF SAXON.       General:     COLLECTION OF SAXON.     Mapping Precision/ON-SPECIPIC     Section:     STIPITATA.     ETCINCTION.       Orce Rank:     Unknown     Element:     2002/03-19     Still:     2002/03-19       Orce Rank:     Unknown     Element:     2002/03-19     Still:     2002/03-19       Order Rank:     Unknown     Element:     2002/03-19     Still:     2002/03-19       Order Rank:     Unknown     Record Last Updated:     2003/03-21     Still:     2002/03-19       Order Rank:     Mapping Precision/ON-SPECIPIC     Section:     21     dtr: WV       Location:     7.1< Mapping Precision/ON-SPECIPIC	County Summary	: Yolo						
Radius:     15 mile     Mapping Proclaion/NO-SPECIFIC     Section:     0.01     Ctr:: Wile       Location:     114 MLE SOUTH OF SAXON.     Location:     144 MLE SOUTH OF SAXON STATION PART OF THE DFG GLIDE TULE RANCH.     Location:     Location:     Location:     144 MLE SOUTH OF SAXON STATION PART OF THE DFG GLIDE TULE RANCH.       Location:     Threat:     HABITAT DEGRADED:     OVERGRAZED COWPASTURE:     VERY WEEDY IN 2002.       Greene::     COLLECTION IN 1978 (IMSTA ALCO CIRCINAL SOURCE: SITE VISITED 321/02, 4/8/02, 4.5/16/02, NO PLANTS POUND. ACCORDIN TO WITHAM HABITAT PRESENT AND RELATIVELY INATURAL LANDSCAPE. WILL GE SURVEYED AGAIN IN 2003.       Ower/Minage:     DPG-VOLO BASIN WA       Occummence No. 7     Map Index:     2135     EO Index:     7756	-				Т			
Elevation:     8 it     Symbol Type:POINT     Meridian:     M       Location:     14 MLE SOUTH OF SAXON.     Location:     14 MLE SOUTH OF SAXON STATION PART OF THE DFG GLIDE TULE RANCH.     Ecological:     ALLEY GRASSLAND AND SWALES:     CAPAY SOL.     FLODDED WITH LASTHEWA GLABRATA.     DOWNINGIA INSIGNIS, ALDOCARYA STIPITATA, ETC       AREA CURRENTLY CATLE GRAZED (2002)     General:     DOLLEOTION BY GRAZED (2002)     General:     DOLLEOTION BY GRAZED (2002)     General:     DOWNINGIA INSIGNIS, ALDOCARYA STIPITATA, ETC       Occentrence No.     7     Map Indoz:     22135     EO Indoz:     7756     —     —     —     —       Occentrence No.     7     Map Indoz:     22135     EO Indoz:     7756     —     —     —     —     …			98			-		
Location: 1/4 MILE SOUTH OF SAXON. Location: 1/4 MILE SOUTH OF SAXON STATION PART OF THE OFG GLIDE TULE RANCH. Ecologica: VALLEY GRASSLAND AND SWILES. CARAY SOUTH, ECODED WITH LASTHENA GLABRATA, DOWNINGIA INSIGNIS, ALOOCARYA STIPITATA, ETC AREA CURRENTLY CATTLE GRAZED (2002). Threat: HABITAT DEGRADED, OVERGRAZED COW PASTURE. VERY WEEDY IN 2002. General: COLLECTION BY CRAMFTON IN 1997 (1997 AND ALC) CORIGINAL SUBJECTS. STIF VISITED 321/02, 4/802, & 5H502, NO PLANTS FOUND. ACCORDIN TO WITHAM. HABITAT PRESENT AND RELATIVELY INATURAL LANDSCAPE. WILL BE SURVEYED AGAIN IN 2003. Overer/Manager: DFG-VOLO BASIN WA Occurrence No. 7 Mop Index: 22135 EO Index: 7756								Qtr: SW
Location Datal: AREA IMMEDIATELY SOUTH OF SAXON STATION PART OF THE DFG GLIDE TULE RANCH. Ecological: YALLEY GRASSLADD AND SWALES. CAPAY SOIL, FLOODED WITH LASTHENA GLABRATA, DOWNINGIA INSIGNS, ALOOCARYA STIPITATA, ETC AREA CURRENTLY CATTLE GRAZED 2002). Threat: HABITAT DEGRADED: OVERGRAZED COW PASTURE. VERY WEED VI 2002. General: COLLEGTON BY CRAINFORM IN 1976 (1997) ANULC) CRIGINAL SOURCE: SITY SUBTED 30/102, 48/02, 8 5/14/02, NO PLANTS FOUND. ACCORDIN. TO WITHAM, HABITAT PRESENT AND RELATIVELY NATURAL LANDSCAPE. WILL BE SURVEYED AGAIN IN 2003. Overer/Manager: DFG-VOLD BASIN WA  Coccurrence No. 7 Map Index: 22135 EO Index: 7756	Elevation:	811		Symbol Type:		wendian:	IVI	
Ecological: VALLEY CRASELADD AND SWALES. CAPAY SOLL FLOODED WITH LASTHENIA GLABRATA, DOWNINGIA INSIGNIS, ALDOCARYA STIPITATA, ETC AREA CURRENTLY CATTLE GRAZED (2002). Threat: HABITAT DEGRADED, OVERGRAZED COW PASTURE. VERY WEEDY IN 2002. General: COLLECTION BY CRAMPTON IN 1978 (18972 AHUC) ORIGINAL SOURCE. SITE VISITED 32/102, 48/02, & 5/16/02, NO PLANTS FOUND. ACCORDIN TO WITHAM HABITAT PERSENT AND RELATIVELY NATURAL LANDSCAPE. WILL BE SURVEYED, ALVIDS, NO PLANTS FOUND. ACCORDIN TO WITHAM, HABITAT PERSENT AND RELATIVELY NATURAL LANDSCAPE. WILL BE SURVEYED AND IN 2002. Owner/Manager: DFG-YOLO BASIN WA Occurrence No. 7 Map Indox: 22135 EO Indox: 7756 — Dates Last Seen — Dor Rank: Unknown Dor Grank: Calina Calina These: Unknown Dorder (38/12/37/4880) County Summary: Dorder (38/13/14/37/12): COUNT ON PLANTS OBSERVED. DORER: France (18/10) County Summary: Dorder (38/13/14/37/12): COUNT ON PLANTS OBSERVED. DORER: France: Freuende Examption France: STATE RESIDE OF BUNKER STATION ROAD DORTH FOR PLANTS OBSERVED. DORER: HERES SUM (38/12/37/12): COUNT SUMM								
A REA CURRENTLY CATTLE GRAZED (2002). Threat: HABITAT DEGRADED (2007 GRAZED (2007 PASTURE: VERY WEEDY IN 2002. General: COLLECTION BY CRAMPTON IN 1978 (19879 AHUC) ORIGINAL SOURCE. SITE VISITED 3/21/02, 4/802, & 5/1602, NO PLANTS FOUND. ACCORDIN TO WITHAM, HABITAT PRESENT AND RELATIVELY NATURAL LANDSCAPE. WILL BE SURVEYED AGAIN IN 2003. Owner/Manage: DFG-YOLO BASIN WA Coccurrence No. 7 Map Index: 22135 EO Index: 7756 — Dates Last Seen. — Ocs: Rant: Unknown Origin: Maurai/Native occurrence Ocs: Rant: Unknown Element: 2002/03-19 Site: 2002/03-19 Site: 2002/03-19 County Summary: Docide (3811/317/480D) County Summary: Solano Laftong: 33,35439 / -121,758859 Laftong: (11/10/10/10/10/10/10/10/10/10/10/10/10/1	Location Detail	:AREA IMMEDIATELY SOU	TH OF SAXON S	TATION PART OF THE DFG GI	IDE TULE RANCH.			
General: COLLECTION IN YORAMPTON IN 1998 (19879 AHUC) ORGINAL SOURCE. SITE VISITED 321402. 48/02, 4, 51/602, NO PLANTS FOUND. ACCORDIN.         Owner/Manager: DFG-YOLD BASIN WA         Occurrence No. 7       Map Index: 22135       EO Index: 7756       ————————————————————————————————————	Ecological			-	HENIA GLABRATA, DOWNING	IA INSIGN	IIS, ALOOC	ARYA STIPITATA, ETC
General: COLLECTION IN CRAMPTON IN 1998 (IRSTRA ANUC) ORGINAL SOURCE. SITE VISITED 321/02.48/02, & 51/602, NO PLANTS FOUND. ACCORDIN.         Owner/Manager: DFG-YOLD BASIN WA         Occurrence No. 7       Map Index: 22135       EO Index: 7756	Threat:	HABITAT DEGRADED; OV	ERGRAZED COV	V PASTURE. VERY WEEDY IN	2002.			
Downer/Manager: DFG-YOLO BASIN WA  Occurrence No. 7 Map Index: 22135 EO Index: 7756  Doccurrence Rank: Unknown General: Valknown General: General: Valknown General: General: Valknown General: General: Valknown General:		COLLECTION BY CRAMPT	FON IN 1978 (#95	79 AHUC) ORIGINAL SOURCE	. SITE VISITED 3/21/02, 4/8/02, 8			S FOUND. ACCORDIN
Occurrence No. 7       Map Index: 22135       EO Index: 7756       — Dates Last Seen — Seene: Presume Extant Trend: Unknown         Origin: Natural/Native occurrence       Site: 2002-03-19       Site: 2002-03-19         Presene: Presume Extant Trend: Unknown       Record Last Updated: 2003-03-21         Quad Summary: Dozier (3812137/498D)       County Summary: Solance       County Summary: Solance         County Summary: Solance       Saf4397-121.75855°       Township: 06N Range: 02E Section: 21 County Summary: Solance         LatLong: 38.354397-121.75855°       Township: 06N Range: 02E Section: 21 County Summary: Solance       Cur: WW         Elevation: 20 ft       Symbol Type:POINT       Meridian: M         Location: 7.13 MLES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Section: 21 Cur: WW         Elevation: 20 ft       Symbol Type:POINT       Meridian: M         Coccurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-28         Orccurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-28         Occcurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-28         Occcurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-28								
Occ Rank: Unknown       Element: 2002-03-19         Site:       2002-03-19         Presence:       Presence:         Quad Summary:       Dozier (3812137/4980)         County Summary:       Dozier (3812137/4980)         County Summary:       Dozier (38124397) - 121.75855°         UTM:       Zone-10 N424870 E608471         Radius:       1/5 mile         Mapping Precision/NON-SPECIFIC       Section: 21         Quit:       1/1 Miles         Location:       7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.         Ecologicat:       IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREADOW. HABITAT PRESENT IN 2002.         Ordigin:       NA VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREADOW. HABITAT PRESENT ON EAST SU         Ordigin:       NaturaliNative occurrence         Occurrence No:       1         Map Index:       53728         Element:       2003-04-26     <	Owner/Manager	DFG-YOLO BASIN WA						
Occ Rani: Unknown       Element: 2002-03-19         Site:       2002-03-19         Presence:       Presence:         Quad Summary:       Dozier (3812137/4980)         County Summary:       Solaton         Radius:       1/5 mile         Mapping Precision/NON-SPECIFIC       Section:: 21         Qur: NW       Elevation: 20 ft         Radius:       1/5 mile         Location: 7.13 MLES SOUTHEAST OF DIXON, 0.25 MLE NORTH OF BUNKER.       Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       ARE SO NETHER SING DO SUNCE OF INFORMATION FOR THIS SITE: SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SI         Or gin:       National Network Station RAD USED AS CATTLE PASTURE.         General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SI         Occ Rank:       Fair         Occ Rank:       Fair         Occurrence No: 14       Map Index: 53728         Element:       2003-04-26         Presence:       Fresumed Estant         Tre	Occurronce No	7 Man Ind	lov: 22135	EQ Index: 77	56		Dates Las	st Seen
Origin:       NeuralNairo eccurrence       Site:       2002-03-19         Presence:       Presence:       Presence:       2003-03-21         Quad Summary:       Dozler (3812137/498D)       Record Last Updated:       2003-03-21         Quad Summary:       Solano       Township:       06N         Lat/Long:       38.35443* /-121.75855*       Township:       06N         Quad Summary:       Solano       Range:       02E         Lat/Long:       38.35443* /-121.75855*       Township:       06N         Quad Summary:       Solano       Range:       02E         Laston:       10.N426570 E00471       Range:       02E         Radius:       15 mile       Mapping PrecisionNON-SPECIFIC       Section:       21       Qtr: WW         Location:       7.13 MLES SOUTHEAST OF DIXON, 0.25 MLE NORTH OF BUNKER.       Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.       Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.       General:       Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Owmer/Manager:       UNKNOWN       Ecological: IN A VERNAL       Map Index: 53728       EO Index: 53728       Dates Last Seen			<b>EX.</b> 22135	EO Index. //				
Presence Presumed Extant Trend: Unknown Record Last Updated: 2003-03-21 Quad Summary: Dozler (3812137/496D) County Summary: Salon Lat/Long: 38.354439 /-121.758559 Lat/Long: 38.354439 /-121.758559 Location: 2.1 Mille: SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER. Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002. Threat: AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATLE PASTURE. General: HERBARIUM COLLECTION IS OULY: SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD ONTH OF BUNKER STATION ROAD USED AS CATLE PASTURE. General: HERBARIUM COLLECTION IS OULY: SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD ONTH OF BUNKER STATION ROAD USED AS CATLE PASTURE. General: HERBARIUM COLLECTION IS ONLY: SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD ONTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PUT PROPERTY. NO PLANTS OBSERVED. Occurrence No. 14 Map Index: 53728 EO Index: 53728 Meridia: 80 Mapping PrecisionSPECIFIC Section: 20 OF: SW Elevation: 15 ft Symbol Type:POINT Meridia: M Elevation: 15 ft Symbol Type:POINT Meridia: M Elevation: 15 ft Symbol Type:POINT Meridia: M Elevation: 15 ft Symbol Type:POINT Meridia: M Ecological: VAA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHIN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS Location Detail: MAPPED WITHIN THE WI 1/4 OF THE SW 1/4 OF SECTION 20. Ecological: VERNAL POOL/CRASSLAND MOSANCO NC OPAY-Y-LORAL SUB SOME PESCADERO CLAV. MESIC GRASSLAND ON MARGIN OF PLAYA POOL A								
Quad Summary: Dozier (3812137/498D)         County Summary: Solano         Lat/Long: 38.354439'.121.75855'         UTM: Zone-10.N424570 E608471         Radius: 15 mile         Mapping PrecisionNON-SPECIFIC         Section: 21 Ott: WW         Elevation: 20 ft         Symbol Type:POINT         Meridian: M         Location: 7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.         Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat: AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         General: HERBARUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager: UNKNOWN         Occurrence No. 14       Map Index: 53728       Dates Last Seen         Origin: Natural/Native occurrence       Sil: 2003-04-26         Presence: Presumed Extant       Record Last Updated: 2005-03-03         Quad Summary: Yolo       Township: 07N         Lat/Long: 38,43610P /-121.67068P       Township: 07N         Radius: 80 meters       Mapping PrecisionSPECIFIC       Section: 20         Quad Summary: Yolo       Township: 07N       Range: 03E         Lat/Long: 38,43610P /-121.67068P       Township: 07N       Radius: 8	•							
County Summary: Solano         Lat/Long:       38.354439', 121.75855''       Township:       06N         Lat/Long:       38.354439', 121.75855''       Range:       02E         Lat/Long:       201       Section:       21       Qtr:         Elevation:       20 ft       Symbol Type/POINT       Meridian:       M         Location:       7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Ecologica:       N       VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.       General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN       Eleman:       2003-04-26       Eleman:       2003-04-26         Origin:       Natural/Native occurrence       Site:       2003-04-26       Site:       2003-04-26         Presence:       Presumed Extant       Record Last Updated:       2005-03-03       Eleman:       2005-03-03         Quad Summary:       Site:       Zonsol (312146/497B)	Trend:	Unknown			Re	cord Last	Updated:	2003-03-21
County Summary: Solano         Lat/Long:       38.354439', 121.75855''       Township:       06N         Lat/Long:       38.354439', 121.75855''       Range:       02E         Lat/Long:       201       Section:       21       Qtr:         Elevation:       20 ft       Symbol Type/POINT       Meridian:       M         Location:       7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Ecologica:       N       VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.       General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN       Eleman:       2003-04-26       Eleman:       2003-04-26         Origin:       Natural/Native occurrence       Site:       2003-04-26       Site:       2003-04-26         Presence:       Presumed Extant       Record Last Updated:       2005-03-03       Eleman:       2005-03-03         Quad Summary:       Site:       Zonsol (312146/497B)	Quad Summary	Dozier (3812137/498D)						
Lat/Long: 38.35443° / -121.75855° Township: 06N UTM: Zone-10 N4245870 E608471 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 21 Qtr: VW Elevation: 20 ft Symbol Type:POINT Meridian: M Location: 7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER. Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002. Threat: AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE. General: HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SII OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED. Owner/Manager: UNKNOWN Occurrence No. 14 Map Index: 53728 EO Index: 53728 — Dates Last Seen Dec Rank: Fair Trend: Unknown Resource Site: 2003-04-26 Presence: Presumed Extant Trend: Unknown Record Last Updated: 2005-03-03 Quad Summary: Saxon (3812146/4978) County Summary: Yolo Lat/Long: 38.43610° /-121.67069° UTM: Zone-10 N4255039 E616017 Radius: 80 meters Mapping PrecisionSPECIFIC Section: 20 Qtr: 3W Elevation: 15 ft Mapping PrecisionSPECIFIC Section: 20 Qtr: 3W Elevation: 15 ft Symbol Type:POINT Meridian: M	-							
UTM:       Zone-10 Nk245870 E608471       Raging:       0.2E         Radius:       1/5 mile       Mapping Precision/ON-SPECIFIC       Section:       2/1       Qtr: VW         Elevation:       20 ft       Symbol Type-POINT       Meridian:       M         Location:       7.13 MLES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Ecological:       NA VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.       General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE: SAYS 'NOT COMMON' 'IN 2002 HABITAT PRESENT ON EAST SID OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLAYS OBSERVED.         Owner/Manager:       UNKNOWN       EO Index:       53728							OGN	
Radius:       15 mile       Mapping PrecisionNON-SPECIFIC       Section:       21       Otr:       WW         Elevation:       20 ft       Symbol Type;POINT       Meridian:       M         Location:       7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Ecological:       N A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.       General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS 'NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SID OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN       Element:       2003-04-26         Occ Rank:       Fair       Site:       2003-04-26         Origin:       Natral/Native occurrence       Site:       2003-04-26         Origin:       Natral/Native occurrence       Site:       2003-04-26         Origin:       Natral/Native occurrence       Site:       2003-04-26         Orugin:       Natral/Native occurrence       Site: <td< td=""><td>-</td><td></td><td>71</td><td></td><td>14</td><td></td><td></td><td></td></td<>	-		71		14			
Elevation: 20 ft       Symbol Type:POINT       Meridian: M         Location: 7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.       Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.         Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS 'NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SID OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN         Occurrence No. 14       Map Index: 53728       EO Index: 53728			•	Mapping Precision	JON-SPECIFIC	-		Qtr: NW
Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002. Threat: AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE. General: HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS 'NOT COMMON.' IN 2002 HABITAT PRESENT ON EAST SI OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED. Owner/Manager: UNKNOWN	Elevation:	20 ft						
Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         Generat:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN         Occurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-26         Origin:       Natural/Native occurrence       Site: 2003-04-26         Origin:       Natural/Native occurrence       Site: 2003-04-26         Presence:       Presumed Extant       Record Last Updated: 2005-03-03         Quad Summary:       Saxon (3812146/497B)       Radius: 80 meters       Mapping PrecisionSPECIFIC       Section: 20       Qtr: 3W         Elevation:       15 ft       Symbol Type:POINT       Meridian: M       Meridian: M       Meridian: M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS       Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location:       PLAYA POOL GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL ASOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Location	7.13 MILES SOUTHEAST (	OF DIXON, 0.25 M	ILE NORTH OF BUNKER.				
Threat:       AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.         Generat:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN         Occurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen — Element: 2003-04-26         Origin:       Natural/Native occurrence       Site: 2003-04-26         Origin:       Natural/Native occurrence       Site: 2003-04-26         Presence:       Presumed Extant       Record Last Updated: 2005-03-03         Quad Summary:       Saxon (3812146/497B)       Radius: 80 meters       Mapping PrecisionSPECIFIC       Section: 20       Qtr: 3W         Elevation:       15 ft       Symbol Type:POINT       Meridian: M       Meridian: M       Meridian: M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS       Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location:       PLAYA POOL GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL ASOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Ecological	IN A VERNAL MEADOW. H	ABITAT PRESEN	IT IN 2002.				
General:       HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SIL OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.         Owner/Manager:       UNKNOWN         Occ Rank:       Fair         Origin:       Natural/Native occurrence         Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Saxon (3812146/497B)         County Summary:       Yolo         Lat/Long:       38.43610° / .121.67069°         Lat/Long:       38.43610° / .121.67069°         Radius:       80 meters         Mapping PrecisionSPECIFIC       Section:         Sometors       16 meters         Mapping PrecisionSPECIFIC       Section:         Section:       12 of tr:         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANC					PASTURE			
OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED. Owner/Manager: UNKNOWN								
Owner/Manager: UNKNOWN         Occurrence No. 14       Map Index: 53728       EO Index: 53728          — Dates Last Seen — Element: 2003-04-26         Occ Rank: Fair       Site: 2003-04-26       Site: 2003-04-26         Origin: Natural/Native occurrence       Site: 2003-04-26         Presence: Presumed Extant       Site: 2005-03-03         Trend: Unknown       Record Last Updated: 2005-03-03         Quad Summary: Saxon (3812146/497B)       Eounty Summary: Yolo         Lat/Long: 38.43610° / -121.67069°       Township: 07N         Radius: 80 meters       Mapping PrecisionSPECIFIC         Radius: 80 meters       Mapping PrecisionSPECIFIC         Radius: 80 meters       Mapping PrecisionSPECIFIC         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACR	General							
Occurrence No. 14       Map Index: 53728       EO Index: 53728       — Dates Last Seen       —         Occ Rank: Fair       Element: 2003-04-26         Origin: Natural/Native occurrence       Site: 2003-04-26         Presence: Presumed Extant       Site: 2003-04-26         Trend: Unknown       Record Last Updated: 2005-03-03         Quad Summary: Saxon (3812146/497B)       County Summary: Yolo         Lat/Long: 38.43610° / -121.67069°       Township: 07N         UTM: Zone-10 N4255039 E616017       Range: 03E         Radius: 80 meters       Mapping PrecisionSPECIFIC         Bevation: 15 ft       Symbol Type:POINT         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE								
Occ Rank: Fair       Element: 2003-04-26         Origin: Natural/Native occurrence       Site: 2003-04-26         Presence: Presumed Extant       Record Last Updated: 2005-03-03         Quad Summary: Saxon (3812146/497B)       Record Last Updated: 2005-03-03         Quad Summary: Yolo       Township: 07N         Lat/Long: 38.43610°/ -121.67069°       Township: 07N         UTM: Zone-10 N4255039 E616017       Range: 03E         Radius: 80 meters       Mapping PrecisionSPECIFIC         Elevation: 15 ft       Symbol Type:POINT         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location Detail: MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Owner/Menager							
Origin:       Natural/Native occurrence       Site:       2003-04-26         Presence:       Presumed Extant       Record Last Updated:       2005-03-03         Quad Summary:       Saxon (3812146/497B)       Record Last Updated:       2005-03-03         Quad Summary:       Son (3812146/497B)       Son (3812146/497B)       Son (3812146/497B)         County Summary:       Yolo       Township:       07N         Lat/Long:       38.43610° / -121.67069°       Township:       07N         UTM:       Zone-10 N4255039 E616017       Range:       03E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20       Qtr:       SW         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS       Location Detail:MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological:       VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Owner/Manager	: UNKNOWN						
Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Saxon (3812146/497B)         County Summary:       Yolo         Lat/Long:       38.43610° / -121.67069°         UTM:       Zone-10 N4255039 E616017         Radius:       80 meters         Mapping PrecisionSPECIFIC       Section:         20       Qtr:         Elevation:       15 ft         Symbol Type:POINT       Meridian:         Meridian:       Meridian:         Acceation Detail:       MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological:       VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL         AcsoCiATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POOGO'S VE ZIZYPHOROIDES.	Occurrence No.	. 14 Map Ind	<b>lex:</b> 53728	EO Index: 53	728			
Trend:       Unknown       Record Last Updated:       2005-03-03         Quad Summary:       Saxon (3812146/497B)       County Summary:       Yolo         Lat/Long:       38.43610°/-121.67069°       Township:       07N         UTM:       Zone-10 N4255039 E616017       Range:       03E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS       Location Detail: MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological:       VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE JZYPHOROIDES.	Occurrence No. Occ Rank:	. 14 <b>Map Ind</b> Fair	lex: 53728	EO Index: 53	728		Element:	2003-04-26
County Summary: Yolo         Lat/Long:       38.43610° / -121.67069°       Township:       07N         UTM:       Zone-10 N4255039 E616017       Range:       03E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20       Qtr: SW         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M         Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location Detail: MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.       Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL         ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POODGYNE ZIZYPHOROIDES.	Occurrence No Occ Rank: Origin:	. 14 Map Ind Fair Natural/Native occurrence	<b>lex:</b> 53728	EO Index: 53	728		Element:	2003-04-26
Lat/Long:       38.43610° / -121.67069°       Township:       07N         UTM:       Zone-10 N4255039 E616017       Range:       03E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20       Qtr: SW         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location Detail:       MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological:       VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL         ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Occurrence No. Occ Rank: Origin: Presence:	14 Map Ind Fair Natural/Native occurrence Presumed Extant	lex: 53728	EO Index: 53			Element: Site:	2003-04-26 2003-04-26
UTM:       Zone-10 N4255039 E616017       Range:       0.3E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M	Occurrence No. Occ Rank: Origin: Presence: Trend:	14 <b>Map Ind</b> Fair Natural/Native occurrence Presumed Extant Unknown	lex: 53728	EO Index: 53			Element: Site:	2003-04-26 2003-04-26
UTM:       Zone-10 N4255039 E616017       Range:       0.3E         Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M	Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B)	lex: 53728	EO Index: 53			Element: Site:	2003-04-26 2003-04-26
Radius:       80 meters       Mapping PrecisionSPECIFIC       Section:       20       Qtr:       SW         Elevation:       15 ft       Symbol Type:POINT       Meridian:       M         Location:       PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS         Location Detail:       MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.         Ecological:       VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL         ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POOL       ON MARGIN OF PLAYA POOL	Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo	lex: 53728	EO Index: 53	Re	cord Last	Element: Site: t Updated:	2003-04-26 2003-04-26
Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS Location Detail:MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20. Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POO ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.43610° / -121.67069°		EO Index: 53	Re	ownship:	Element: Site: t Updated: 07N	2003-04-26 2003-04-26
Location Detail:MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20. Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POO ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.43610° / -121.67069° Zone-10 N4255039 E61601			Re Ti	ownship: Range:	Element: Site: t Updated: 07N 03E	2003-04-26 2003-04-26 2005-03-03
Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POO ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo : 38.43610° / -121.67069° Zone-10 N4255039 E61601 80 meters		Mapping Precision:	Re Tr SPECIFIC	ownship: Range: Section:	Element: Site: t Updated: 07N 03E 20	2003-04-26 2003-04-26 2005-03-03
ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.	Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.43610° / -121.67069° Zone-10 N4255039 E61601 80 meters 15 ft	17	Mapping Precision: Symbol Type:	Re Tr SPECIFIC POINT N	ownship: Range: Section: Meridian:	Element: Site: t Updated: 07N 03E 20 M	2003-04-26 2003-04-26 2005-03-03 <b>Qtr:</b> SW
	Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.43610° / -121.67069° Zone-10 N4255039 E61601 80 meters : 15 ft : PLAYA POOL ABOUT 1.4 A	17 AIRMILES NNE C	Mapping Precision: Symbol Type: F VAUGHN RANCH, GLIDE TU	Re Tr SPECIFIC POINT N	ownship: Range: Section: Meridian:	Element: Site: t Updated: 07N 03E 20 M	2003-04-26 2003-04-26 2005-03-03 <b>Qtr:</b> SW
	Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	. 14 Map Ind Fair Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.43610° / -121.67069° Zone-10 N4255039 E61601 80 meters : 15 ft : PLAYA POOL ABOUT 1.4 <i>A</i> : MAPPED WITHIN THE NW : VERNAL POOL/GRASSLAT	17 AIRMILES NNE C 1 1/4 OF THE SW ND MOSAIC ON 1	Mapping Precision: Symbol Type: F VAUGHN RANCH, GLIDE TU 1/4 OF SECTION 20. CAPAY-CLEAR LAKE SOIL. SO	Re SPECIFIC POINT I LE ER, EAST OF THE SACRAM ME PESCADERO CLAY. MESIC	ownship: Range: Section: Meridian: ENTO NC	Element: Site: t Updated: 07N 03E 20 M RTHERN C	2003-04-26 2003-04-26 2005-03-03 <b>Qtr:</b> SW CANAL, YOLO BYPASS ARGIN OF PLAYA POO

State			NDDB Element Ra		nt Code: PDFAB0F8R1 Other Lists		
Federal: None	us		Global: G1T1			ist: 1B.2	
State: None			State: S1.1				
Habitat As	sociations —						
General: ALKALI	PLAYA, VALLEY AN	ND FOOTHILL O	GRASSLAND, VERNAL POOL	.S.			
Micro: LOW G	ROUND, ALKALI FL	ATS, AND FLOO	ODED LANDS; IN ANNUAL G	RASSLAND OR IN PLAYAS (	DR VERNAL POOLS. 1-1	70M.	
Occurrence No.	. 20	Map Index: 24	4764 <b>E</b> Q	<b>D Index:</b> 30169		Dates La	st Seen
Occ Rank:	Good						2006-04-25
•	Natural/Native occu	urrence				Site:	2006-04-25
	Presumed Extant Unknown				Record Last	Updated:	2008-01-03
-	Denverton (381212	28/481B)					
County Summary	: Solano						
	38.22661º/-121.9				Township:		
	Zone-10 N4231458	8 E590071			Range:		
Area: Elevation:	5.4 acres			Ig PrecisionSPECIFIC Imbol Type:POLYGON	Section: Meridian:		Qtr: NE
			KILLDEER RD INTERSECTIO				
Location Detail	BURNED IN 2003.	RED OVER VEF	RNAL FLAT. LARGE AND SH	OWY POPULATION EASILY	OBSERVED FROM THE	ROAD IN 2	2002. GRASSLAND
Ecological							
Ecological			E. ASSOCIATES INCLUDE FF IM, PLEUROPOGON CALIFO				
· ·	MYOSURUS MINII PLATYCARPHA.	MUS, ERYNGIU		RNICUS, PSILOCARPHUS, L	ASTHENIA CONJUGENS	S, ATRIPLE	x Joaquiniana, a
Threat:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO	IM, PLEUROPOGON CALIFO	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU 5. IN 2002 SITE OBSERVED T	ASTHENIA CONJUGENS TURE DEVELOPMENT, E 'HROUGH BINOCS; ABOI	S, ATRIPLE DISKING, E	EX JOAQUINIANA, A BURNING.
Threat: General:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO 5E CORNER. 50	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI DR LASTHENIA CONJUGENS	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU 5. IN 2002 SITE OBSERVED T	ASTHENIA CONJUGENS TURE DEVELOPMENT, E 'HROUGH BINOCS; ABOI	S, ATRIPLE DISKING, E	EX JOAQUINIANA, A BURNING.
Threat: General:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S PVT-SOLANO LAN	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO 5E CORNER. 50	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU 5. IN 2002 SITE OBSERVED T	ASTHENIA CONJUGENS TURE DEVELOPMENT, E HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E	ÈX JOAQUINIÀNA, A BURNING. LANTS ON SW COR
Threat: General: Owner/Manager	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S PVT-SOLANO LAN	MUS, ERYNGIU S, CATTLE GRA 192 SURVEY FO 3E CORNER. 50 NDFILL	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, E HROUGH BINOCS; ABOI S WITH ~100 PLANTS.	DISKING, E DISKING, E UT 2000 Pl Dates La Element:	X JOAQUINIANA, A BURNING. LANTS ON SW COR <b>st Seen</b> 1994-03-25
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S PVT-SOLANO LAN 21 Good Natural/Native occu	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, E HROUGH BINOCS; ABOI S WITH ~100 PLANTS.	DISKING, E DISKING, E UT 2000 Pl Dates La Element:	EX JOAQUINIANA, A BURNING. LANTS ON SW COR
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S PVT-SOLANO LAN 21 Good Natural/Native occo Presumed Extant	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E UT 2000 Pl Dates La Element: Site:	X JOAQUINIANA, A BURNING. LANTS ON SW COR <b>st Seen</b> 1994-03-25
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occt Presumed Extant Unknown	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E UT 2000 Pl Dates La Element: Site:	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN . 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/45	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E UT 2000 Pl Dates La Element: Site:	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN . 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/45	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E UT 2000 Pl Dates La Element: Site:	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/4 : Solano : 38.30199º / -121.8	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816°	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. <i>I</i>	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU I. IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS.	S, ATRIPLE DISKING, E UT 2000 Pl Dates La Element: Site: Updated:	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occt Presumed Extant Unknown : Dozier (3812137/4 : Solano : 38.30199° / -121.8 Zone-10 N4239933	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816°	IM, PLEUROPOGON CALIFO	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000 D Index: 4691	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI S WITH ~100 PLANTS. Record Last Township: Range:	05N 05N 01E	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX 2003-07-02
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/45 : Solano : 38.30199° / -121.8 Zone-10 N4239935 28.6 acres	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816°	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI OR LASTHENIA CONJUGENS 00-750 OBSERVED IN 2004. / 4744 EC	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000 D Index: 4691	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABO WITH ~100 PLANTS.  Record Last  Township: Range: Section:	05N 015KING, E 015KING, E 017 2000 Pl 0200 Pl	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/45 : Solano : 38.30199° / -121.8 Zone-10 N4239935 28.6 acres	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816°	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI OR LASTHENIA CONJUGENS 00-750 OBSERVED IN 2004. / 4744 EC	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000 D Index: 4691	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI S WITH ~100 PLANTS. Record Last Township: Range:	05N 015KING, E 015KING, E 017 2000 Pl 0200 Pl	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX 2003-07-02
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/45 : Solano : 38.30199° / -121.8 Zone-10 N4239935 28.6 acres	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816° 9 E599839	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI OR LASTHENIA CONJUGENS 00-750 OBSERVED IN 2004. / 4744 EC	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000 D Index: 4691	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABO WITH ~100 PLANTS.  Record Last  Township: Range: Section:	05N 015KING, E 015KING, E 017 2000 Pl 0200 Pl	X JOAQUINIANA, A BURNING. LANTS ON SW COR st Seen 1994-03-25 2002-XX-XX 2003-07-02
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S PVT-SOLANO LAN PT-SOLANO LAN Presumed Extant Unknown Dozier (3812137/4 Solano 38.30199° / -121.8 Zone-10 N423993 28.6 acres 30 ft 4 KM (2.5 MI) WNW	MUS, ERYNGIU S, CATTLE GRA 192 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816° 9 E599839 N OF DOZIER.	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI OR LASTHENIA CONJUGENS 00-750 OBSERVED IN 2004. / 4744 EC	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU . IN 2002 SITE OBSERVED T A DEFINITE DECLINE IN 2000 D Index: 4691	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI 3 WITH ~100 PLANTS. Record Last Township: Range: Section: Meridian:	S, ATRIPLE DISKING, E UT 2000 PI Dates La Element: Site: Updated: 05N 01E 10 M	X JOAQUINIANA, A BURNING. LANTS ON SW COR 1994-03-25 2002-XX-XX 2003-07-02 Qtr: NW
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	MYOSURUS MINII PLATYCARPHA. INVASIVE PLANTS SEEN DURING 19 & ABOUT 200 IN S : PVT-SOLANO LAN 21 Good Natural/Native occu Presumed Extant Unknown : Dozier (3812137/4: : Solano : 38.30199° / -121.8 Zone-10 N423993 28.6 acres : 30 ft : 4 KM (2.5 MI) WNW : SIX COLONIES W : GROWING IN MES	MUS, ERYNGIU S, CATTLE GRA 92 SURVEY FO SE CORNER. 50 NDFILL Map Index: 24 urrence 98D) 5816° 9 E599839 W OF DOZIER. ITHIN THE NW SIC ALKALI ARE	IM, PLEUROPOGON CALIFO AZING & TRAMPLING, NEARI IR LASTHENIA CONJUGENS 10-750 OBSERVED IN 2004. / 4744 EC Mappin Sy	RNICUS, PSILOCARPHUS, L BY LANDFILL, POSSIBLE FU A DEFINITE DECLINE IN 2000 D Index: 4691 D Index: 4691 V 1/4 OF THE SW 1/4 OF SEC A ASSOCIATES INCLUDE DO	ASTHENIA CONJUGENS TURE DEVELOPMENT, I HROUGH BINOCS; ABOI WITH ~100 PLANTS. Record Last Record Last Township: Range: Section: Meridian: CTION 3, AND THE NE 1/- DWNINGIA PUSILLA, LEP	Dates La Disking, E UT 2000 Pl Dates La Element: Site: Updated: 05N 01E 10 M 4 OF THE I IDIUM LAT	EX JOAQUINIANA, A BURNING. LANTS ON SW COR 1994-03-25 2002-XX-XX 2003-07-02 Qtr: NW NE 1/4 OF SECTION FIPES, ELEOCHARIS

Owner/Manager: PVT

				Element Code: PDFAB0F8R1		
Federal: None	us ———		NDDB Element Ranks     Global: G1T1	Other Lists		
State: None			State: S1.1	CNPS L	.ist: 1B.2	
			otate. of the			
			AND, VERNAL POOLS.			
			ANDS; IN ANNUAL GRASSLAND OR IN PL/		7014	
	ROUND, ALKALI FL	ATS, AND FLOODED L	ANDS, IN ANNOAL GRASSLAND OR IN FL	ATAS OR VERNAL FOOLS. 1-1	7 UW.	
Occurrence No	. 22	Map Index: 24747	EO Index: 7663		Dates La	st Seen
Occ Rank						2003-04-12
	: Natural/Native occ	urrence			Site:	2003-04-12
Presence	: Presumed Extant					
Trend	Unknown			Record Las	t Updated:	2004-03-08
Quad Summary	: Dozier (3812137/4	98D), Elmira (3812138/4	498C)			
County Summar	: Solano					
Lat/Long	: 38.27532º/-121.8	86058°		Township:	05N	
	Zone-10 N423697			Range:		
Area	333.1 acres		Mapping PrecisionSPECIFIC	-		Qtr: XX
Elevation	: 30 ft		Symbol Type:POLYGON	Meridian:	М	
Location	n: 4 KM (1.5 MI) WSV	W OF DOZIER.				
	il:MAPPED 3.2 KM (	(2 MI) DUE WEST OF O	LCOTT. THREE VERNAL POOLS ALONG T	HE DIRT ROAD SEPARATING	SECTIONS	15 AND 16. MORE
	PLANTS IN LG AR	2EA IN SEC 16 17				
Ecologica	PLANTS IN LG AR		TES INCLUDE LEPIDIUM LATIPES, DESCH	AMPSIA DANTHONIOIDES, LAS	STHENIA F	REMONTII,
-	I: GROWING IN VEF PSILOCARPHUS I	RNAL POOLS. ASOCIA BREVISSIMUS, DISTIC	TES INCLUDE LEPIDIUM LATIPES, DESCH HILIS SPICATA NANA, AND PHALARIS LEN		STHENIA F	REMONTII,
-	I: GROWING IN VEF	RNAL POOLS. ASOCIA BREVISSIMUS, DISTIC			STHENIA F	REMONTII,
Threat	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZINC : AREA IS UNDER F	RNAL POOLS. ASOCIA <sup>-</sup> BREVISSIMUS, DISTIC G. PERMANENT CATTLE I	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP	VIMONII. PEARS TO BE RELATIVELY GO	D. WITHA	
Threat	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZINC : AREA IS UNDER F	RNAL POOLS. ASOCIA <sup>-</sup> BREVISSIMUS, DISTIC G. PERMANENT CATTLE I	HILIS SPICATA NANA, AND PHALARIS LEN	VIMONII. PEARS TO BE RELATIVELY GO	D. WITHA	
Threat	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZINC : AREA IS UNDER F SEEN IN VICINITY	RNAL POOLS. ASOCIA <sup>-</sup> BREVISSIMUS, DISTIC G. PERMANENT CATTLE I	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP	VIMONII. PEARS TO BE RELATIVELY GO	D. WITHA	
Thread General Owner/Manage	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT	RNAL POOLS. ASOCIA <sup>T</sup> BREVISSIMUS, DISTIC G. PERMANENT CATTLE I / IN 2002 BY BARBOUR	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	VIMONII. PEARS TO BE RELATIVELY GO	DD. WITHA 3, 17.	AM REPORTS PLAI
Thread General Owner/Manage Occurrence No	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER F SEEN IN VICINITY PVT	RNAL POOLS. ASOCIA <sup>-</sup> BREVISSIMUS, DISTIC G. PERMANENT CATTLE I	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16	DD. WITHA 5, 17. Dates La	M REPORTS PLAI
Threat Genera Owner/Manage Occurrence No Occ Rank	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT 0. 23 : Good	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16	DD. WITHA 5, 17. Dates La Element:	M REPORTS PLAI st Seen 1991-05-07
Threat General Owner/Manage Occurrence No Occ Rank Origin	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT 0. 23 : Good : Natural/Native occi	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16	DD. WITHA 5, 17. Dates La Element:	M REPORTS PLAI
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT 0. 23 : Good	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GOU S OBSERVED IN 2003 IN SEC 16	OD. WITHA 5, 17. Dates La Element: Site:	M REPORTS PLAI st Seen 1991-05-07
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	GROWING IN VEF PSILOCARPHUS I CATTLE GRAZINC AREA IS UNDER I SEEN IN VICINITY PVT 23 Good Natural/Native occi Presumed Extant Unknown	RNAL POOLS. ASOCIA BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I Y IN 2002 BY BARBOUR Map Index: 24751 urrence	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GOU S OBSERVED IN 2003 IN SEC 16	OD. WITHA 5, 17. Dates La Element: Site:	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary	GROWING IN VEF PSILOCARPHUS I CATTLE GRAZINC AREA IS UNDER I SEEN IN VICINITY PVT 2.23 Good Natural/Native occi Presumed Extant Unknown Dozier (3812137/4)	RNAL POOLS. ASOCIA BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I Y IN 2002 BY BARBOUR Map Index: 24751 urrence	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GOU S OBSERVED IN 2003 IN SEC 16	OD. WITHA 5, 17. Dates La Element: Site:	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT 0. 23 : Good : Natural/Native occi : Presumed Extant : Unknown : Dozier (3812137/4 ; Solano	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D)	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GO BOBSERVED IN 2003 IN SEC 16  Record Las	DD. WITH/ 3, 17. Dates La Element: Site: t Updated:	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER F SEEN IN VICINITY PVT 2. 23 Good Natural/Native occu Natural/Native occu Natural/Native occu Natural/Native occu Dozier (3812137/4 Solano 38.25688º / -121.8	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D)	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16  Record Las  Township:	DD. WITH/ Dates La Element: Site: t Updated: 05N	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER I SEEN IN VICINITY : PVT 2.23 : Good : Natural/Native occu : Presumed Extant : Unknown : Dozier (3812137/4 /: Solano : 38.25688°/-121.8 Zone-10 N4234930	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D)	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815	MMONII. PEARS TO BE RELATIVELY GO OBSERVED IN 2003 IN SEC 16  Record Las Township: Range:	DD. WITH/ 3, 17. Dates La Element: Site: t Updated: 05N 01E	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Area	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT • 23 : Good : Natural/Native occi : Presumed Extant : Unknown : Dozier (3812137/4 r: Solano : 38.25688° / -121.8 Zone-10 N4234930 : 8.0 acres	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D)	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815 Mapping PrecisionSPECIFIC	MMONII. PEARS TO BE RELATIVELY GO OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section:	DD. WITH/ 3, 17. Dates La Element: Site: t Updated: 05N 01E 22	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: GROWING IN VEF PSILOCARPHUS I : CATTLE GRAZING : AREA IS UNDER F SEEN IN VICINITY r: PVT • 23 : Good : Natural/Native occi : Presumed Extant : Unknown : Dozier (3812137/4 r: Solano : 38.25688° / -121.8 Zone-10 N4234930 : 8.0 acres	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D)	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815	MMONII. PEARS TO BE RELATIVELY GO OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section:	DD. WITH/ 3, 17. Dates La Element: Site: t Updated: 05N 01E 22	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Area Elevation	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER F SEEN IN VICINITY PVT 2. 23 Good Natural/Native occi Presumed Extant Unknown Dozier (3812137/4 Solano 38.25688° / -121.8 Zone-10 N4234930 8.0 acres 30 ft	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I ( IN 2002 BY BARBOUR Map Index: 24751 urrence 98D) 15534° 6 E600148	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815 Mapping PrecisionSPECIFIC	MMONII. PEARS TO BE RELATIVELY GO OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section:	DD. WITH/ 3, 17. Dates La Element: Site: t Updated: 05N 01E 22	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summar Lat/Long UTM: Area Elevation Location	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER F SEEN IN VICINITY PVT 2. 23 Good Natural/Native occi Presumed Extant Unknown Dozier (3812137/4 Solano 38.25688° / -121.8 Zone-10 N423493i 8.0 acres 30 ft at 4.5 KM (3 MI) SOL	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I (IN 2002 BY BARBOUR Map Index: 24751 urrence 98D) 95534° 6 E600148	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	MMONII. PEARS TO BE RELATIVELY GO OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section:	DD. WITH/ 3, 17. Dates La Element: Site: t Updated: 05N 01E 22	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Area Elevation Location Deta	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER I SEEN IN VICINITY PVT 2. 23 Good Natural/Native occu Natural/Native occu Presumed Extant Unknown Dozier (3812137/4 Solano 38.25688°/-121.8 Zone-10 N4234930 8.0 acres 30 ft at 4.5 KM (3 MI) SOL II: FOUND IN TWO V I: GROWING IN VEF	RNAL POOLS. ASOCIA BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I (IN 2002 BY BARBOUR Map Index: 24751 urrence 98D) 95534° 6 E600148 JTHWEST OF DOZIER, /ERNAL POOLS IN THE RNAL POOLS. ASSOCI/	HILIS SPICATA NANA, AND PHALARIS LEN PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815 Mapping PrecisionSPECIFIC Symbol Type:POLYGON 1 KM (0.7 MI) WEST OF RR TRACKS.	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section: N Meridian: DEUM GENICULATUM, DISTICH	DD. WITH/ S, 17. Dates La Element: Site: t Updated: t Updated: 05N 01E 22 M	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02 Qtr: SW
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summar County Summar Lat/Long UTM: Area Elevation Location Location Deta Ecologica	I: GROWING IN VEF PSILOCARPHUS I CATTLE GRAZING AREA IS UNDER I SEEN IN VICINITY PVT 2. 23 Good Natural/Native occu Natural/Native occu Presumed Extant Unknown Dozier (3812137/4 Solano 38.25688°/-121.8 Zone-10 N4234930 8.0 acres 30 ft at 4.5 KM (3 MI) SOL II: FOUND IN TWO V I: GROWING IN VEF	RNAL POOLS. ASOCIAT BREVISSIMUS, DISTIC 3. PERMANENT CATTLE I IN 2002 BY BARBOUR Map Index: 24751 urrence 98D) 35534° 6 E600148 JTHWEST OF DOZIER, /ERNAL POOLS IN THE RNAL POOLS. ASSOCI/ ALLICOLA, LASTHENIA	HILIS SPICATA NANA, AND PHALARIS LEM PASTURE BUT OVERALL CONDITION APP R ET AL AND TNC. 1000-2000 INDIVIDUALS EO Index: 6815 Mapping PrecisionSPECIFIC Symbol Type:POLYGON 1 KM (0.7 MI) WEST OF RR TRACKS. S 1/2 OF THE SW 1/4 OF SECTION 22. ATES INCLUDE LEPIDIUM LATIPES, HORD	MMONII. PEARS TO BE RELATIVELY GO S OBSERVED IN 2003 IN SEC 16 Record Las Township: Range: Section: N Meridian: DEUM GENICULATUM, DISTICH	DD. WITH/ S, 17. Dates La Element: Site: t Updated: t Updated: 05N 01E 22 M	M REPORTS PLAI st Seen 1991-05-07 2002-XX-XX 2003-07-02 Qtr: SW

alkali milk-vetch			Eleme	nt Code: PDFAB0F8R1	
Stat	us ———		NDDB Element Ranks	Other Lists	
Federal: None			Global: G1T1	CNPS List: 1B.2	
State: None			State: S1.1		
	ssociations				
			AND, VERNAL POOLS.		
MICRO: LOW G	ROUND, ALKALI FLAT	S, AND FLOODED L	ANDS; IN ANNUAL GRASSLAND OR IN PLAYAS (	DR VERNAL POOLS. 1-170M.	
Occurrence No	24 M	ap Index: 24754	EO Index: 6789	Dates L	ast Seen
Occ Rank:			EO IIIdex. 0703		1991-05-01
	Natural/Native occurre	ence			2002-XX-XX
-	Presumed Extant				
Trend:	Unknown			Record Last Updated	<b>1:</b> 1994-02-04
Quad Summary	Dozier (3812137/498	D)			
County Summary		-			
	: 38.25765º / -121.843	080		Township: 05N	
	Zone-10 N4235035 E			Range: 01E	
	80 meters		Mapping PrecisionSPECIFIC	Section: 22	Qtr: SE
Elevation	: 30 ft		Symbol Type:POINT	Meridian: M	
l aastier			ALONG THE RR TRACKS.		
Location Detai					
Threat	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN	E SOUTHEAST CORNER OF SECTION 22, JUST W ICIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE COLONIES PRESIMED EXTANT	PUSILLA, LEPIDIUM LATIPES, H	
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Threat: General Owner/Manager Occurrence No	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT . 25 M	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS	PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ —— Dates L	LY OBSERVABLE F ast Seen
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Threat: General Owner/Manager Occurrence No Occ Rank: Origin:	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M: Good Natural/Native occurre	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ —— Dates L Element:	LY OBSERVABLE F ast Seen
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 Mi Good	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ —— Dates L Element:	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M Good Natural/Native occurre Presumed Extant Unknown	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	. PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ Dates L Element: Site:	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 Mi Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/498	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	. PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ Dates L Element: Site:	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M. Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4988 : Solano	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	. PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ —— Dates L Element: Site: Record Last Updated	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	: GROWING IN A VER LASTHENIA FREMO : GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 Mi Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT.	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ — Dates L Element: Site: Record Last Updated Township: 05N	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831 Zone-10 N4236113 E	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ — Dates L Element: Site: Record Last Updated Township: 05N Range: 01E	LY OBSERVABLE F ast Seen
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius:	: GROWING IN A VER LASTHENIA FREMO : GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT : 25 M : Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/498I : Solano : 38.26725° / -121.8311 Zone-10 N4236113 E 80 meters	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788 Mapping PrecisionSPECIFIC	PUSILLA, LEPIDIUM LATIPES, H . HABITAT PRESENT AND READ — Dates L Element: Site: Record Last Updated Township: 05N Range: 01E Section: 23	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: GROWING IN A VER LASTHENIA FREMO : GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT : 25 M : Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/498I : Solano : 38.26725° / -121.8311 Zone-10 N4236113 E 80 meters	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ — Dates L Element: Site: Record Last Updated Township: 05N Range: 01E	LY OBSERVABLE F ast Seen
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831 Zone-10 N4236113 E 80 meters : 20 ft : 1.5 KM (1 MI) SOUTH	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence D) 93° :602181	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788 Mapping PrecisionSPECIFIC Symbol Type:POINT , JUST EAST OF THE RR TRACKS.	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ —— Dates L Element: Site: Record Last Updated Township: 05N Range: 01E Section: 23 Meridian: M	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX 1: 2008-01-03 4: 2008-01-03 Qtr: NE
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 M Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831 Zone-10 N4236113 E 80 meters : 20 ft : 1.5 KM (1 MI) SOUTH	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence D) 93° 6002181	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788 Mapping PrecisionSPECIFIC Symbol Type:POINT	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ —— Dates L Element: Site: Record Last Updated Township: 05N Range: 01E Section: 23 Meridian: M	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX 1: 2008-01-03 4: 2008-01-03 Qtr: NE
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 Mi Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831 Zone-10 N4236113 E 80 meters : 20 ft : 1.5 KM (1 MI) SOUTH : FORMERLY TNC'S J CONSERVATION EA	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence D) 93° :602181 IWEST OF OLCOTT, EPSON PRAIRIE PR SEMENT.	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788 Mapping PrecisionSPECIFIC Symbol Type:POINT , JUST EAST OF THE RR TRACKS.	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ —— Dates L Element: Site: Record Last Updated Township: 05N Range: 01E Section: 23 Meridian: M FARMLANDS & OPEN SPACE ON	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX 1: 2008-01-03 4: 2008-01-03 Qtr: NE
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai Ecological	: GROWING IN A VER LASTHENIA FREMO GRAZING. : SEEN IN 1991. SITE ROAD AND ADJACE : PVT 25 Mi Good Natural/Native occurre Presumed Extant Unknown : Dozier (3812137/4981 : Solano : 38.26725° / -121.831 Zone-10 N4236113 E 80 meters : 20 ft : 1.5 KM (1 MI) SOUTH : FORMERLY TNC'S J CONSERVATION EA	NAL POOL IN ASSO NTII, DESCHAMPSIA NOT SURVEYED IN NT JEPSON PRAIRIE ap Index: 24755 ence D) 93° :602181 IWEST OF OLCOTT, EPSON PRAIRIE PR SEMENT. DERO CLAY, VERM	CIATION WITH LEGENERE LIMOSA, DOWNINGIA A DANTHANIOIDES, AND VULPIA BROMOIDES. 2002 DUE TO PVT LANDOWNER RESTRICTIONS E PRESERVE. COLONIES PRESUMED EXTANT. EO Index: 6788 Mapping PrecisionSPECIFIC Symbol Type:POINT , JUST EAST OF THE RR TRACKS. RESERVE; TRANSFERRED TO SOLANO COUNTY AL POOL MARGIN, OR VERNALLY WET GRASSL	PUSILLA, LEPIDIUM LATIPES, H HABITAT PRESENT AND READ —— Dates L Element: Site: Record Last Updated Township: 05N Range: 01E Section: 23 Meridian: M FARMLANDS & OPEN SPACE ON	LY OBSERVABLE F ast Seen 199X-XX-XX 199X-XX-XX 1: 2008-01-03 4: 2008-01-03 Qtr: NE

alkali milk-vetch				Element	Code: PDFAB0F8R1		
Federal: None	us ———		NDDB Element Ranks     Global: G1T1		Other Lists     CNPS Li	ist: 1B.2	
State: None			State: S1.1			1 <b>31.</b> 10.2	
Habitat As	ssociations —						
			SSLAND, VERNAL POOLS. D LANDS; IN ANNUAL GRASSLAND	OR IN PLAYAS OR	VERNAL POOLS. 1-17	70M.	
Occurrence No.	. 26	Map Index: 24758	BEO Index: 67	787		Dates Las	st Seen
Occ Rank:	Good				I	Element:	2001-04-XX
-	Natural/Native oc					Site:	2001-04-XX
	Presumed Extant				Record Last	Undated.	2008-01-03
Irend:	Unknown				Record Last	opuateu.	2000-01-03
Quad Summary:	Dozier (3812137/4	498D)					
County Summary	: Solano						
Lat/Long:	: 38.27148º / -121.	821770			Township:	05N	
	Zone-10 N423659				Range:		
	26.2 acres		Mapping Precision		Section:		Qtr: SW
Elevation:	: 20 ft		Symbol Type:	POLYGON	Meridian:	М	
Threat: General:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL OPEN SPACE OF	LÂNE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN	F LAKE MARGIN ALONG RR TRACKS ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN	D. E; TRANSFERRED TO	SOLANO	COUNTY FARMLA
Threat: General:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL	LÂNE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL NTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON	Y WET GRASSLAN	D. E; TRANSFERRED TO	SOLANO	COUNTY FARMLA
Threat: General:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL OPEN SPACE ON SOLANO LAND T	LÂNE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	SOLANO ACCORD Dates Las	COUNTY FARMLAI ING TO WITHAM (2 st Seen
Threat: General: Owner/Manager Occurrence No. Occ Rank:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	SOLANO ACCORD Dates Las Element:	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL OPEN SPACE OF SOLANO LAND T 27 Good Natural/Native occ	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	SOLANO ACCORD Dates Las Element:	COUNTY FARMLAI ING TO WITHAM (2 st Seen
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	Dates Las Element: Site:	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	Dates Las Element: Site:	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	Dates Las Element: Site:	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D)	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL DRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/	Y WET GRASSLAN PRAIRIE PRESERV ALL NUMBERS OF F	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	Dates Las Element: Site: Updated:	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE OF SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/- Solano 38.25888°/-121.1 Zone-10 N423520	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 81342°	ILE) SOUTH OF THE RR TRACKS. (RNAL POOL MARGIN, OR VERNALL (RTION OF THE PROPERTY. N 1990, FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68	Y WET GRASSLAN	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	SOLANO ACCORD Dates Lat Element: Site: Updated: 05N 01E	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX 2008-01-03
County Summary County Summary Lat/Long: UTM: Area:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL OPEN SPACE OF SOLANO LAND T SOLANO LAND T SOLANO LAND T SOLANO LAND T Coor Presumed Extant Unknown Dozier (3812137/ Solano 38.25888°/-121. Zone-10 N423520 17.8 acres	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 81342°	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL ORTION OF THE PROPERTY. N 1990, FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68 Mapping Precision	Y WET GRASSLAN	D. E; TRANSFERRED TO "LANTS SEEN IN 2001  Record Last  Township:  Range: Section:	SOLANO ACCORD Dates Lat Element: Site: Updated: 05N 01E 24	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	EAST OF COOK MOSTLY ON PES SHEEP GRAZING APPROX. 140 PL OPEN SPACE OF SOLANO LAND T SOLANO LAND T SOLANO LAND T SOLANO LAND T Coor Presumed Extant Unknown Dozier (3812137/ Solano 38.25888°/-121. Zone-10 N423520 17.8 acres	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 81342°	ILE) SOUTH OF THE RR TRACKS. (RNAL POOL MARGIN, OR VERNALL (RTION OF THE PROPERTY. N 1990, FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68	Y WET GRASSLAN	D. E; TRANSFERRED TO PLANTS SEEN IN 2001 	SOLANO ACCORD Dates Lat Element: Site: Updated: 05N 01E 24	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX 2008-01-03
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4 Solano 38.25888° / -121.4 Zone-10 N423520 17.8 acres 15 ft	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE 3 OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 81342° 04 E603812	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL ORTION OF THE PROPERTY. N 1990, FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68 Mapping Precision	Y WET GRASSLAN	D. E; TRANSFERRED TO "LANTS SEEN IN 2001  Record Last  Township:  Range: Section:	SOLANO ACCORD Dates Lat Element: Site: Updated: 05N 01E 24	COUNTY FARMLAI ING TO WITHAM (2 st Seen 1990-04-XX 1990-04-XX 2008-01-03
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: Lat/Long: Area: Elevation:	EAST OF COOK MOSTLY ON PES SHEEP GRAZINO APPROX. 140 PL OPEN SPACE OP SOLANO LAND T SOLANO LAND T SOLANO LAND T SOLANO LAND T Dozier (3812137/- Solano Dozier (3812137/- Solano 38.25888°/-121. Zone-10 N423520 17.8 acres 15 ft 3 KM (2 MI) SOUT	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE G OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 813429 04 E603812 TH OF DOZIER, JUS S JEPSON PRAIRIE	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL ORTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68 Mapping Precision Symbol Type:	Y WET GRASSLAN	D. E; TRANSFERRED TO PLANTS SEEN IN 2001  Record Last Township: Range: Section: Meridian:	Dates Las Element: Site: Updated: 05N 01E 24 M	COUNTY FARMLAN ING TO WITHAM (2) st Seen 1990-04-XX 1990-04-XX 2008-01-03 Qtr: 5
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: Lat/Long: Area: Elevation: Location Detail	EAST OF COOK MOSTLY ON PES SHEEP GRAZINC APPROX, 140 PL OPEN SPACE ON SOLANO LAND T 27 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4 Solano 38.25888° / -121.4 Zone-10 N423520 17.8 acres 15 ft S KM (2 MI) SOUT FORMERLY TNC CONSERVATION	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE 3 OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: TRUST Map Index: 24761 currence 498D) 81342° 04 E603812 TH OF DOZIER, JUS 25 JEPSON PRAIRIE I EASEMENT.	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL IRTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68 Mapping Precision Symbol Type: T NORTH OF CALHOUN CUT.	29 WET GRASSLAN	D. E; TRANSFERRED TO PLANTS SEEN IN 2001  Record Last Township: Range: Section: Meridian: RMLANDS & OPEN SF	Dates Las Element: Site: Updated: 05N 01E 24 M	COUNTY FARMLAN ING TO WITHAM (2) st Seen 1990-04-XX 1990-04-XX 2008-01-03 Qtr: 5
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	EAST OF COOK MOSTLY ON PES SHEEP GRAZINO APPROX. 140 PL OPEN SPACE OP SOLANO LAND T SOLANO LAND T SOLANO LAND T SOLANO LAND T Dazier (3812137/4 Solano Dozier (3812137/4 Solano 38.25888° / -121. Zone-10 N423520 17.8 acres 15 ft GORMERLY TNC CONSERVATION MOSTLY ON PES	LANE 0.8 KM (0.5 MI SCADERO CLAY, VE 3 OCCURS ON A PO ANTS OBSERVED II N 8/97. TNC RETAIN: FRUST Map Index: 24761 currence 498D) 81342° 04 E603812 TH OF DOZIER, JUS SS JEPSON PRAIRIE I EASEMENT. SCADERO CLAY, VE	ILE) SOUTH OF THE RR TRACKS. RNAL POOL MARGIN, OR VERNALL ORTION OF THE PROPERTY. N 1990. FORMERLY TNC'S JEPSON S CONSERVATION EASEMENT. SM/ EO Index: 68 Mapping Precision Symbol Type: T NORTH OF CALHOUN CUT. PRESERVE; TRANSFERRED TO SC	29 WET GRASSLAN	D. E; TRANSFERRED TO PLANTS SEEN IN 2001  Record Last Township: Range: Section: Meridian: RMLANDS & OPEN SF	Dates Las Element: Site: Updated: 05N 01E 24 M	COUNTY FARMLAN ING TO WITHAM (2) st Seen 1990-04-XX 1990-04-XX 2008-01-03 Qtr: 5

alkali milk-vetch			Element Code: PDFAB0F8R1	
Federal: None State: None	IS	NDDB Element Ranks     Global: G1T1     State: S1.1	Other Lists CNPS List: 1B.	2
General: ALIKALL				
	PLAYA, VALLEY AND FOOTHILL GRA ROUND, ALKALI FLATS, AND FLOOD	ED LANDS; IN ANNUAL GRASSLAND OR I	N PLAYAS OR VERNAL POOLS. 1-170M.	
Occurrence No.	29 Map Index: 2474	43 EO Index: 8368	Dates	_ast Seen
Occ Rank:				: 1966-03-31
•	Natural/Native occurrence Possibly Extirpated		Site	: 2002-03-19
	Unknown		Record Last Update	<b>d:</b> 2008-01-02
Quad Summary:	Dozier (3812137/498D)			
County Summary:	Solano			
Lat/Long:	38.35095º / -121.76792º		Township: 06N	
	Zone-10 N4245473 E607657 1/5 mile	Manning ProvisionNON	Range: 02E	Qtr: XX
Elevation:		Mapping PrecisionNON Symbol Type:POIN		Qtr: AA
Location	WEST OF BLINKER STATION NEAR	R INTERSECTION OF NORTON RD AND BI		
	GROWING ON CLAY SOILS.	AND DI		
-		FOR THIS SITE IS 1966 COLLECTION BY (	CRAMPTON. WITHAM CHECKED THIS VICIN	
General.		EYED IN 2002, NO NATURAL HABITAT OR		
Owner/Manager:	UNKNOWN			
Occurrence No.	30 Map Index: 2470	09 <b>EO Index:</b> 2457	Dates	_ast Seen
Occ Rank:				: 1896-05-15
-	Natural/Native occurrence Possibly Extirpated		Site	: 1896-05-15
	Unknown		Record Last Update	<b>d:</b> 2008-01-03
Quad Summary:	Elmira (3812138/498C)			
County Summary:	Solano			
Lat/Long:	38.32825º / -121.96125º		Township: 06N	
UTM: Radius:	Zone-10 N4242747 E590791	Menning President(O)	-SPECIFIC Section: 34	Qtr: XX
Elevation:		Mapping PrecisionNON Symbol Type:POIN		
Location:	LITTLE OAK, NEAR VACAVILLE.			
		THE JEPSON FAMILY'S LITTLE OAK RANG	CH WAS LOCATED, EAST OF PEABODY RD	AND SOUTH OF ALAMO
			D 1896. WITHAM (2002) BELIEVES SITE IS F	
		Y IS URBANIZED OR UNDER INTENSIVE A		
Owner/Manager:	UNKNOWN			
Occurrence No.	31 Map Index: 2474	41 <b>EO Index:</b> 7754		_ast Seen
Occ Rank:				: 1978-05-08
-	Natural/Native occurrence Possibly Extirpated		Site	: 2002-05-16
	Unknown		Record Last Update	<b>d:</b> 2008-01-02
Quad Summary:	Saxon (3812146/497B)			
County Summary:	Yolo			
Lat/Long:	38.45952º / -121.65795º		Township: 07N	
	Zone-10 N4257654 E617091		Range: 03E	
Elevation:	1/5 mile 15 ft	Mapping PrecisionNON Symbol Type:POIN		Qtr: NE
	1/4 MILE SOUTH OF SAXON STATIO	, ,,		
	MAPPED IN THE NE 1/4 OF THE NE			
	GROWING IN A LARGE VERNAL ME		IA GLABRATA, DOWNINGIA INSIGNIS, ALLC IS, MYOSURUS MINIMIS.	CARYA STIPITATA,
Threat:	HABITAT DEGRADED; MOSTLY OV		-	
			THAM VISITED SITE IN MAR & APR 2002, DI FOUND. WITHAM WILL RESURVEY IN 2003	D NOT SEE PLANTS BU

Stat			ement Ranks	nt Code: PDFAB0F8R1 —— Other Lists -		
Federal: None	us	Global		CNPS Lis	at: 1B 2	
State: None		State		001		
Habitat As	sociations —					
		OTHILL GRASSLAND, VERN	AL POOLS.			
Micro: LOW G	ROUND, ALKALI FLATS, AN	ND FLOODED LANDS; IN AN	INUAL GRASSLAND OR IN PLAYAS O	R VERNAL POOLS. 1-170	DM.	
Occurrence No	. 32 Map In	idex: 24742	EO Index: 7753	— c	Dates Las	st Seen
Occ Rank:	Good			El		2003-04-XX
•	Natural/Native occurrence				Site:	2003-04-XX
	Presumed Extant			Record Last U	Indatod.	2008-01-02
Irend:	Unknown			Record East o	opuateu.	2008-01-03
-	: Saxon (3812146/497B)					
County Summary	: Yolo					
Lat/Long	38.45668º / -121.67393º			Township: (	07N	
	Zone-10 N4257320 E6157	701		Range:		
	4.2 acres		Mapping PrecisionSPECIFIC	Section:		Qtr: NW
Elevation	15 ft		Symbol Type:POLYGON	Meridian:	M	
Threat:	GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II	JTED TO THIS SITE. RASSLAND ON ADOBE SOII 'IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F	IUM MUL LLII, ET A AREAS (	TIFLORUM, LAST L. CREATED BY GR
Threat:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS	JTED TO THIS SITE. RASSLAND ON ADOBE SOII 'IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH	.ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F	IUM MUL LLII, ET A AREAS (	TIFLORUM, LAST L. CREATED BY GR
Threat: General: Owner/Manager Occurrence No	GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS UNKNOWN	JTED TO THIS SITE. RASSLAND ON ADOBE SOII 'IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL LLII, ET A AREAS ( FOUND IN Dates Las	TIFLORUM, LAST IL. CREATED BY GR N APRIL 2002 BUT
Threat: General: Owner/Manager Occurrence No Occ Rank:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL LLII, ET A AREAS ( FOUND IN Dates Las lement:	TIFLORUM, LAST IL. CREATED BY GR APRIL 2002 BU APRIL 2002 BU St Seen 1979-04-09
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL LLII, ET A AREAS ( FOUND IN Dates Las lement:	TIFLORUM, LAST IL. CREATED BY GR N APRIL 2002 BUT
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL' ILII, ET A AREAS ( FOUND IN Dates Las lement: Site:	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	LES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL' ILII, ET A AREAS ( FOUND IN Dates Las lement: Site:	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B)	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	LES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL' ILII, ET A AREAS ( FOUND IN Dates Las lement: Site:	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B)	JTED TO THIS SITE. RASSLAND ON ADOBE SOII VIA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETV	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	LES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70.	IUM MUL' LLII, ET A AREAS ( FOUND IN Dates Las lement: Site: Jpdated:	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mdex: 24740	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. E Record Last U  Township: ()	IUM MUL' LLII, ET A AREAS ( FOUND IN Dates Las lement: Site: Jpdated:	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano : 38.49520° / -121.72071° Zone-10 N4261536 E6115	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mdex: 24740	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6 EO Index: 7746	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. Record Last U Township: ( Range: ( Section: 3	IUM MUL' LLII, ET A I AREAS ( FOUND IN Dates Las lement: Site: Jpdated: 08N 02E 35	TIFLORUM, LAST L. CREATED BY GR APRIL 2002 BU APRIL 2002 BU 1979-04-09 2002-03-21
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano : 38.49520° / -121.72071° Zone-10 N4261536 E6115	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mdex: 24740	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEN THIS & OCCURRENCES #64, #6	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. Record Last U Township: ( Range: ()	IUM MUL' LLII, ET A I AREAS ( FOUND IN Dates Las lement: Site: Jpdated: 08N 02E 35	TIFLORUM, LAST LL. CREATED BY GR NAPRIL 2002 BU St Seen 1979-04-09 2002-03-21 2008-01-02
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CO ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano : 38.49520° / -121.72071° Zone-10 N4261536 E6115	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mdex: 24740	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEEN THIS & OCCURRENCES #64, #6 EO Index: 7746	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. Record Last U Township: ( Range: ( Section: 3	IUM MUL' LLII, ET A I AREAS ( FOUND IN Dates Las lement: Site: Jpdated: 08N 02E 35	TIFLORUM, LAST LL. CREATED BY GR NAPRIL 2002 BUT 1979-04-09 2002-03-21 2008-01-02
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano 38.49520° / -121.72071° Zone-10 N4261536 E6115 : 40 ft	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mdex: 24740	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEN THIS & OCCURRENCES #64, #6 EO Index: 7746	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. Record Last U Township: ( Range: ( Section: 3	IUM MUL' LLII, ET A I AREAS ( FOUND IN Dates Las lement: Site: Jpdated: 08N 02E 35	TIFLORUM, LAST LL. CREATED BY GR NAPRIL 2002 BU St Seen 1979-04-09 2002-03-21 2008-01-02
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	: GROWING IN VALLEY GF GLABRATA. ASSOC: LAY HABITAT DEGRADED. CC ORIGINAL SOURCE OF II ON 5/16/02. >100 PLANTS : UNKNOWN 33 Map In None Natural/Native occurrence Extirpated Unknown : Saxon (3812146/497B) : Yolo, Solano 38.49520° / -121.72071° Zone-10 N4261536 E6115 : 40 ft	JTED TO THIS SITE. RASSLAND ON ADOBE SOII (IA CHRYSANTHEMOIDES, ONVERSION TO PASTURE. NFORMATION IS 1966 COLI S OBSERVED IN 2003 BETW Mex: 24740 560 REMONT ROAD. DNT ROAD IN SECTIONS 34	L, ALKALI VERNAL POOLS AND SWAL BLENNOSPERMA NANUM, DOWNING SOIL/VEG MODERATELY IMPACTED LECTION BY B. CRAMPTON IN DITCH VEN THIS & OCCURRENCES #64, #6 EO Index: 7746	ES. DOMINATED BY LOLI IA, ALOPECURUS HOWEI BY GRAZING, BUT OPEN ALONG ROAD. PLANTS F 9 & #70. Record Last U Township: ( Range: ( Section: 3	IUM MUL' LLII, ET A I AREAS ( FOUND IN Dates Las lement: Site: Jpdated: 08N 02E 35	TIFLORUM, LAST LL. CREATED BY GR NAPRIL 2002 BU St Seen 1979-04-09 2002-03-21 2008-01-02

alkali milk-vetch		NDDB Element Ranks	Element Code: PDFAB0F8R1 Other Lists	
Federal: None State: None		Global: G1T1 State: S1.1	CNPS List: 1B.2	
	ssociations ————————————————————————————————————	AND. VERNAL POOLS.		
	ROUND, ALKALI FLATS, AND FLOODED L		PLAYAS OR VERNAL POOLS. 1-170M.	
Occurrence No.	. 34 Map Index: 24738	EO Index: 19248	Dates Las	st Seen ———
Occ Rank:	•			1959-04-13
	Natural/Native occurrence		Site:	2002-03-21
	Possibly Extirpated Unknown		Record Last Updated:	2008-01-14
	: Dixon (3812147/498A), Saxon (3812146/49	97B)		
County Summary				
-	38.45978° / -121.75096° Zone-10 N4257569 E608976		Township: 07N Range: 02E	
Radius:		Mapping PrecisionNON-S	÷	Qtr: XX
Elevation:	50 ft	Symbol Type:POINT	Meridian: M	
Location	: 6 MILES SOUTH OF DAVIS.			
Threat:	AGRICULTURE.			
General:	ONLY SOURCE OF INFORMATION IS A 1 OBSERVE ANY PLANTS. NO NATURAL F		VITHAM SEARCHED THE AREA IN 1990 AND MAN, & TREMONT RDS: ALL AG LAND.	2002 BUT DID NO
Owner/Manager			and, a memori neo, all ao land.	
Occurrence No.		FO Indexe COSS	Dates Las	st Seen
Occurrence No. Occ Rank:		EO Index: 6955		2002-04-25
	Natural/Native occurrence			2002-04-25
	Presumed Extant		Descend Level Undersch	0000 01 00
Trend:	Unknown		Record Last Updated:	2008-01-03
	: Fairfield South (3812221/482A)			
County Summary				
-	38.23954º / -122.05739º Zone-10 N4232813 E582489		Township: 05N Range: 02W	
	80 meters	Mapping PrecisionSPECI	-	Qtr: NW
Elevation:	: 10 ft	Symbol Type:POINT	Meridian: M	
Location	NEAR SUISUN, EAST OF LEDGEWOOD ROAD.	CREEK, ABOUT 0.33 AIRMILE NORTHV	EST OF JUNCTION OF PENNYSYLVANIA AV	'E AND CORDELIA
Location Detail	WEST OF SUISUN AND SOUTH OF FAIR	FIELD.		
Ecological	SEASONALLY WET ANNUAL GRASSLAN	ND, ON SILTY CLAY SOIL.		
Threat:	DEVELOPMENT.			
General:	ORIGINAL INFO IS 1886 COLLECTION B	Y E.L. GREENE. 10 PLANTS FOUND BY	VOLLMAR IN 2002.	
Owner/Manager	UNKNOWN			
Occurrence No.	. 40 Map Index: 24735	EO Index: 6852	Dates Las	st Seen
Occ Rank:	None			1922-04-21
- 5	Natural/Native occurrence		Site:	2002-03-19
	Possibly Extirpated Unknown		Record Last Updated:	2008-01-03
Quad Summary:	: Fairfield North (3812231/499D), Elmira (38	12138/498C)		
County Summary				
-	38.26500°/-122.00517°		Township: 05N	
• · · · · ·	Zone-10 N4235686 E587028	Monning Presidentian	Range: 01W	Otr- VV
Radius: Elevation:		Mapping PrecisionNON-S Symbol Type:POINT	PECIFIC Section: 20 Meridian: M	Qtr: XX
Location	3 MILES NORTHEAST OF SUISUN.			
	:MAPPED ALONG SOUTHERN PACIFIC R	RR TRACKS AT TOLENAS.		
Location Detail		re		
	: GROWING ON LOW SUBALKALINE FLAT	10.		
Ecological			TAT PRESENT AND NO PLANTS OBSERVED	IN 2002. PROBABI

	tus —	NDDB Element Ranks	Element Code: PDFAB0F8F		
Federal: None State: None		Global: G1T1 State: S1.1		<b>PS List:</b> 1B.2	
	Associations ——————————— I PLAYA, VALLEY AND FOOTHILL	GRASSLAND, VERNAL POOLS,			
		DODED LANDS; IN ANNUAL GRASSLAN	D OR IN PLAYAS OR VERNAL POOLS.	1-170M.	
Occurrence No	o. 44 Map Index: 2	24806 EO Index:	25844 -	— Dates La	st Seen
Occ Rank					2004-04-06 2004-04-06
-	<ul> <li>n: Natural/Native occurrence</li> <li>e: Presumed Extant</li> </ul>				
Trend	I: Unknown		Record	Last Updated	: 2008-01-03
Quad Summary County Summary	y: Saxon (3812146/497B)				
	<b>g:</b> 38.48980°/-121.68505°		Towns	nip: 08N	
-	: Zone-10 N4260981 E614678			ge: 03E	
Area Elevation	: 11.7 acres	Mapping Precisi		on: 31 an: M	Qtr: SE
		, , ,			
		S FACILITY, SOUTH OF DAVIS. NEX. EAST OF ROAD 104 AND BETWEE	N ROADS 35 AND 36. MANY SMALL CC	LONIES MAP	PED BY CNDDB AS 5
	POLYGONS.				
Ecologica		NT TO PONDED AREAS, IN AREAS OF FRANKENIA, PLAGIOBOTHRYS STIPIT/			
Threat	t: COMPETITION FROM SALSOLA	A, LEPIDIUM LATIFOLIUM, ETC. HISTOF	RIC DISKING, HERBICIDE USE, AND FIR	E SUPPRESS	SION.
General	I: 65 PLANTS OBSERVED OVER 2 2004 IN THE 4 NORTHERN POL	2.5 ACRES IN 1993 IN THE SOUTHERN YGONS.	MOST POLYGON. NONE FOUND IN 199	5, 1996, OR 20	002. 912 OBSERVED II
Owner/Manage	r: DOD-MCCLELLAN AFB				
Occurrence No	o. 47 Map Index:	10073 EO Index:	12761 -	— Dates La	st Seen
	: Unknown				1893-04-03 1893-04-03
Presence	<ul> <li>n: Natural/Native occurrence</li> <li>presumed Extant</li> <li>Unknown</li> </ul>		Record	Last Updated:	
	y: Elmira (3812138/498C)				
County Summary	,				
Lat/Long	<b>3:</b> 38.28879º / -121.96247º		Townsl	nip: 05N	
	: Zone-10 N4238367 E590735		Ran	ge: 01W	Qtr: SW
	• 1 milo	Manning Procisi			
	s: 1 mile n: 80 ft	Mapping Precisi Symbol Typ	onNON-SPECIFIC Secti	on: 10 an: M	
Radius Elevation			onNON-SPECIFIC Secti		
Radius Elevation Locatior	n: 80 ft n: VANDEN STATION.		onNON-SPECIFIC Secti e:POINT Meridi		
Radius Elevation Location Location Deta	n: 80 ft n: VANDEN STATION. il: VANDEN STATION = TRAINSTO	Symbol Typ	onNON-SPECIFIC Secti e:POINT Meridi		
Radius Elevation Location Location Deta	n: 80 ft n: VANDEN STATION. nil: VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL	P ABOUT 5 MILES SOUTH OF VACAVI	onNON-SPECIFIC Secti e:POINT Meridi		
Radius Elevation Location Location Deta General Owner/Manage Occurrence No	n: 80 ft n: VANDEN STATION. iii:VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL r: UNKNOWN p. 48 Map Index: 2	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi .LE.	an: M — Dates La	ist Seen
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank	1: 80 ft         n: VANDEN STATION.         iii: VANDEN STATION = TRAINSTO         I: SITE IS BASED ON 2 1893 COLL         r: UNKNOWN         0: 48       Map Index: 2         x: Good	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi .LE.	an: M — Dates La Element:	
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence	n: 80 ft n: VANDEN STATION. ii: VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL r: UNKNOWN 0. 48 Map Index: 2 c: Good 1: Natural/Native occurrence 2: Presumed Extant	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 -	an: M — Dates La Element: Site:	Ist Seen 1994-03-24 2002-XX-XX
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	n: 80 ft n: VANDEN STATION. iii: VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL r: UNKNOWN 0. 48 Map Index: 2 C: Good 1: Natural/Native occurrence 2: Presumed Extant 1: Unknown	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 -	an: M — Dates La Element:	Ist Seen 1994-03-24 2002-XX-XX
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	n: 80 ft n: VANDEN STATION. iii: VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL r: UNKNOWN 0. 48 Map Index: 2 C Good 1: Natural/Native occurrence 2: Presumed Extant 1: Unknown y: Dozier (3812137/498D)	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 -	an: M — Dates La Element: Site:	Ist Seen 1994-03-24 2002-XX-XX
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	n: 80 ft n: VANDEN STATION. iii: VANDEN STATION = TRAINSTO I: SITE IS BASED ON 2 1893 COLL r: UNKNOWN 0. 48 Map Index: 2 C Good 1: Natural/Native occurrence 2: Presumed Extant 1: Unknown y: Dozier (3812137/498D)	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE.	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 - Record	an: M — Dates La Element: Site:	Ist Seen 1994-03-24 2002-XX-XX
Radius Elevation Location Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	1: 80 ft 1: VANDEN STATION. 11: VANDEN STATION = TRAINSTO 12: SITE IS BASED ON 2 1893 COLL 17: UNKNOWN 10: 48 Map Index: 2 16: Good 10: Natural/Native occurrence 10: Presumed Extant 11: Unknown 12: Unknown 13: Unknown 14: Unknown 15: Solano 15:	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE. 26313 EO Index:	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 - Record I Record I Townsl Ran	an: M — Dates La Element: Site: Last Updated: nip: 05N ge: 01E	Ist Seen 1994-03-24 2002-XX-XX : 2008-01-02
Radius Elevation Location Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	1:       80 ft         n:       VANDEN STATION.         iii:       VANDEN STATION.         iii:       VANDEN STATION.         iii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         v:       UNKNOWN         0:       48       Map Index: 2         v:       Good       10         1:       Natural/Native occurrence       10         1:       VInknown       10         1:       Unknown       10         1:       Solano       10         1:       38.27609° / -121.84696°       2000000000000000000000000000000000000	Symbol Typ OP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE. 26313 EO Index:	onNON-SPECIFIC Secti e:POINT Meridi .LE. 4690 - Record   Record   Towns  Ran onSPECIFIC Secti	an: M — Dates La Element: Site: Last Updated: —	Ist Seen 1994-03-24 2002-XX-XX
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Area Elevation	1:       80 ft         n:       VANDEN STATION.         iii:       VANDEN STATION.         iii:       VANDEN STATION.         iii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         ii:       VANDEN STATION.         v:       UNKNOWN         0:       48       Map Index: 2         v:       Good       10         1:       Natural/Native occurrence       10         1:       VInknown       10         1:       Unknown       10         1:       Solano       10         1:       38.27609° / -121.84696°       2000000000000000000000000000000000000	Symbol Typ DP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE. 26313 EO Index: Mapping Precisi Symbol Typ	onNON-SPECIFIC Secti e:POINT Meridi .LE. 4690 - Record   Record   Towns  Ran onSPECIFIC Secti	an: M — Dates La Element: Site: Last Updated: nip: 05N ge: 01E on: 15	Ist Seen 1994-03-24 2002-XX-XX : 2008-01-02
Radius Elevation Location Deta General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM Area Elevation		Symbol Typ DP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE. 26313 EO Index: Mapping Precisi Symbol Typ	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 - Record I Ram onSPECIFIC Secti e:POLYGON Meridi	an: M — Dates La Element: Site: Last Updated: nip: 05N ge: 01E on: 15 an: M ASSOCIATED	ist Seen
Radius Elevation Location Deta General Owner/Manage Occurrence Ne Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Area Elevation Location Ecologica		Symbol Typ DP ABOUT 5 MILES SOUTH OF VACAVI LECTIONS FROM THE SAME DATE. 26313 EO Index: Mapping Precisi Symbol Typ MILE WEST OF OLCOTT LAKE. S SWALE TRIBUTARIES TO LARGE PL/	onNON-SPECIFIC Secti e:POINT Meridi LLE. 4690 - Record I Ram onSPECIFIC Secti e:POLYGON Meridi	an: M — Dates La Element: Site: Last Updated: nip: 05N ge: 01E on: 15 an: M ASSOCIATED	ist Seen

alkali milk-vetch			t Code: PDFAB0F8R1
Federal: None State: None		NDDB Element Ranks Global: G1T1 State: S1.1	CNPS List: 1B.2
General: ALKALL	ssociations ————————————————————————————————————		
	,	IND, VERNAL FOOLS. NDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR	VERNAL POOLS. 1-170M.
Occurrence No.	. 52 Map Index: 30543	EO Index: 13273	Dates Last Seen
Occ Rank:			Element: 1994-XX-XX
	Natural/Native occurrence Presumed Extant		Site: 1994-XX-XX
	Unknown		Record Last Updated: 1994-11-14
Quad Summary: County Summary	: Elmira (3812138/498C) : Solano		
	: 38.26679º / -121.97445º		Township: 05N
-	Zone-10 N4235913 E589714		Range: 01W
Radius: Elevation:	80 meters 45 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 21 Qtr: NE Meridian: M
			SOUTH OF PEABODY ROAD AT AIR BASE PARKWAY.
		ARALLEL TO THE RAILROAD TRACKS ON FURTH	
Ecological	: IN UPLAND GRASSLAND ADJACENT TO /	ALKALINE VERNAL POOL. LASTHENIA CONJUGE	INS IS ALSO PRESENT IN HEALTHY POPULATION.
Threat:	POOL IS SEASONALLY USED AS A HORS	E PASTURE.	
General:		4, BIOSYSTEMS ANALYSIS FOUND 27 PLANTS IN	N 10 SCATTERED POOLS. WITHAM WAS UNABLE TO
	OBTAIN ACCESS TO SITE IN 2002.		
Owner/Manager	: DOD-TRAVIS AFB		
Occurrence No.	. 59 Map Index: 51703	EO Index: 51703	Dates Last Seen
Occ Rank:	•		Element: 2002-04-27
-	Natural/Native occurrence		<b>Site:</b> 2002-04-27
	Presumed Extant Unknown		Record Last Updated: 2008-01-10
Quad Summary:	: Dozier (3812137/498D)		
County Summary	: Solano		
-	38.29562º / -121.79876º Zone-10 N4239298 E605042		Township: 05N
	80 meters	Mapping PrecisionSPECIFIC	Range: 02E Section: 07 Qtr: NW
Elevation:	. 10 ft	Symbol Type:POINT	Meridian: M
Location	WEST OF SALEM ROAD, 0.75 MILE SOUT	H OF ULATIS CREEK, DFG CALHOUN CUT ECOLO	OGICAL RESERVE, NORTH OF RIO VISTA.
Location Detail	ABOUT 0.25 MILE ESE OF WINDMILL. MAN	PPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SEC	CTION 7.
Ecological	: ALKALI VERNAL POOLS AND SWALES. A	SSOCIATED WITH HORDEUM DEPRESSUM, LAST	THENIA FREMONTII, AND LEPIDIUM DICTYOTUM.
Threat:	SOIL/VEG MODERATELY IMPACTED BY G	GRAZING, BUT MAY NOT THREATEN THIS SPECIE	ES.
General:			CTED BY THE UC DAVIS VERNAL POOL TEAM DURING E M PLOT CONTAINED 1% COVER OF A. TENER TENE
		IN CENSUS CONDUCTED, BUT THIS TO SQUARE	IN FLOT CONTAINED 1% COVER OF A. TENER TENE
Owner/Menerer			
Owner/Manager	: DFG-CALHOUN CUT ER		
Occurrence No.	. 60 Map Index: 51704	<b>EO Index:</b> 51704	Dates Last Seen
Occurrence No. Occ Rank:	. 60 Map Index: 51704 Good	EO Index: 51704	<b>Element:</b> 2002-04-02
Occurrence No Occ Rank: Origin:	. 60 Map Index: 51704	EO Index: 51704	
Occurrence No Occ Rank: Origin: Presence:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence	EO Index: 51704	<b>Element:</b> 2002-04-02
Occurrence No. Occ Rank: Origin: Presence: Trend:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant		Element:         2002-04-02           Site:         2002-04-02
Occurrence No. Occ Rank: Origin: Presence: Trend:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49		Element:         2002-04-02           Site:         2002-04-02
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	. 60 Map Index: 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944º / -121.87560°		Element:         2002-04-02           Site:         2002-04-02           Record Last Updated:         2008-01-10           Township:         05N
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358	8C)	Element:         2002-04-02           Site:         2002-04-02           Record Last Updated:         2008-01-10           Township:         05N           Range:         01E
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358 10.0 acres		Element:         2002-04-02           Site:         2002-04-02           Record Last Updated:         2008-01-10           Township:         05N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358 10.0 acres : 35 ft	8C) Mapping PrecisionSPECIFIC	Element:         2002-04-02           Site:         2002-04-02           Record Last Updated:         2008-01-10           Township:         05N           Range:         01E           Section:         21         Qtr: NW           Meridian:         M
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	. 60 <b>Map Index:</b> 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358 10.0 acres : 35 ft	18C) Mapping PrecisionSPECIFIC Symbol Type:POLYGON /SW OF DOZIER, EAST OF TRAVIS AIR FORCE BA	Element:         2002-04-02           Site:         2002-04-02           Record Last Updated:         2008-01-10           Township:         05N           Range:         01E           Section:         21         Qtr: NW           Meridian:         M
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	. 60 Map Index: 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358 10.0 acres : 35 ft : WILCOX RANCH SITE #4, 3.2 AIRMILES W : MAPPED WITHIN THE NW 1/4 OF THE NW : ALKALI VERNAL POOLS AND SWALES ON	18C) Mapping PrecisionSPECIFIC Symbol Type:POLYGON /SW OF DOZIER, EAST OF TRAVIS AIR FORCE BA	Element: 2002-04-02 Site: 2002-04-02 Record Last Updated: 2008-01-10 Township: 05N Range: 01E Section: 21 Qtr: VW Meridian: M ASE.
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	. 60 Map Index: 51704 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D), Elmira (3812138/49 : Solano : 38.26944° / -121.87560° Zone-10 N4236309 E598358 10.0 acres : 35 ft : WILCOX RANCH SITE #4, 3.2 AIRMILES W : MAPPED WITHIN THE NW 1/4 OF THE NW : ALKALI VERNAL POOLS AND SWALES ON PLEUROPOGON CALIFORNICUS. LOWER PLAGIOBOTHRYS LEPTOCLADUS.	Mapping PrecisionSPECIFIC Symbol Type:POLYGON /SW OF DOZIER, EAST OF TRAVIS AIR FORCE BA / 1/4 OF SECTION 21. N A COMPLEX OF PESCADERO CLAY LOAM. DOM	Element: 2002-04-02 Site: 2002-04-02 Record Last Updated: 2008-01-10 Township: 05N Range: 01E Section: 21 Qtr: NW Meridian: M ASE.

alkali milk-vetch				Elemer	t Code: PDFAB0F8R1		
Statu			NDDB Element Ranks	Elemen	Other Lists		
Federal: None	12		Global: G1T1			.ist: 1B.2	
State: None			State: S1.1			. <b>131.</b> 10.2	
	sociations —						
			ASSLAND, VERNAL POOLS.				
			ED LANDS; IN ANNUAL GRASSI	I AND OR IN PLAYAS O	R VERNAL POOLS 1-1	70M	
Owner/Manager:						7 OIVI.	
_							
Occurrence No.		Map Index: 5170	5 EO Inde	<b>x:</b> 51705	—	Dates La	
Occ Rank:							2002-03-30
-	Natural/Native oc	currence				Site:	2002-03-30
	Presumed Extant Unknown				Record Last	Undated:	2003-07-07
Trend:	Unknown					opulicu.	2000 01 01
Quad Summary:	Dozier (3812137/	498D)					
County Summary:	: Solano						
-	38.26438º/-121.				Township:		
	Zone-10 N42357	61 E599493			Range:		
	7.7 acres			cisionSPECIFIC	Section:		Qtr: NE
Elevation:	35 ft		Symbol	Type:POLYGON	Meridian:	M	
Location:							
	. WILCOX RAINCH	SITE #1 AND #2, A	BOUT 2.2 MILES WSW OF OLCO	OTT, WSW OF DOZIER.			
Location Detail	:MAPPED WITHIN	THE SE 1/4 OF TH	E NE 1/4 OF SECTION 21.			UROPOGO	DN. DESCHAMPSIA
Location Detail Ecological:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDU A.		SPERMA NANUM, LOLIL	JM MULTIFLORUM, PLE		
Location Detail Ecological: Threat:	: MAPPED WITHIN : ALKALINE VERN DANTHONIOIDE CORONOPIFOLI. TRAMPLING, DE	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDU A. ER HOOFPRINTS.	IE NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI	SPERMA NANUM, LOLIL RANKENIA, CRESSA TF	UM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI	JRUS SAC	CÁTUS, COTULA
Location Detail Ecological: Threat:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002.	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR	SPERMA NANUM, LOLIL RANKENIA, CRESSA TF	UM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI	JRUS SAC	CÁTUS, COTULA
Location Detail Ecological: Threat: General:	:MAPPED WITHIN ALKALINE VERN DANTHONIODE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002.	IE NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI	SPERMA NANUM, LOLIL RANKENIA, CRESSA TF	UM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI	JRUS SAC	CÁTUS, COTULA
Location Detail Ecological: Threat:	:MAPPED WITHIN ALKALINE VERN DANTHONIODE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002.	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR	SPERMA NANUM, LOLIL RANKENIA, CRESSA TF	UM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI	JRUS SAC	CÁTUS, COTULA
Location Detail Ecological: Threat: General:	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002.	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLIL RANKENIA, CRESSA TF	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC	CÁTUS, COTULA ATIPES AND LEPIDIU
Location Detail Ecological: Threat: General: Owner/Manager:	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC	I THE SE 1/4 OF TH AL FLAT WITH LAS 5, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La:	CÁTUS, COTULA ATIPES AND LEPIDIU
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIOL A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La:	CĂTUS, COTULA ATIPES AND LEPIDIU st Seen
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H : TNC 62 Good Natural/Native oc Presumed Extant	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIOL A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La: Element: Site:	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIOL A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La: Element: Site:	CĂTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H : TNC 62 Good Natural/Native oc Presumed Extant	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIOL A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 Surrence	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La: Element: Site:	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIOL A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 Surrence	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La: Element: Site:	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ 5 Solano 38.25267° / -121.	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 198D) 78616°	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE.	SPERMA NANUM, LOLII RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP	JRUS SAC IES VAR. L Dates La: Element: Site: t Updated:	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ Solano 38.25267°/-121. Zone-10 N42345	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 198D) 78616°	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: t Updated: 05N 02E	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ Solano 38.25267° / -121. Zone-10 N42345- 80 meters	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 198D) 78616°	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Pred	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE bx: 51706	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: Updated: 05N 02E 29	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ Solano 38.25267° / -121. Zone-10 N42345- 80 meters	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 198D) 78616°	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Pred	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: Updated: 05N 02E 29	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	: MAPPED WITHIN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H : TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ : Solano 38.25267° / -121. Zone-10 N42345- 80 meters 10 ft	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 498D) 78616° 46 E606206	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Pred	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE x: 51706 cisionSPECIFIC Type:POINT	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: Updated: 05N 02E 29	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	AAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ Solano 38.25267° / -121. Zone-10 N42345. 80 meters 10 ft DFG CALHOUN (	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 498D) 78616° 46 E606206	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FI WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Prec Symbol	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE x: 51706 cisionSPECIFIC Type:POINT	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: Updated: 05N 02E 29	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H : TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ : Solano 38.25267°/-121. Zone-10 N42345- 80 meters 10 ft : DFG CALHOUN ( :MAPPED WITHIN	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDI A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 currence 498D) 78616° 46 E606206	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FR WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Prec Symbol RESERVE, 1.15 AIR MILES ESE E NW 1/4 OF SECTION 29.	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE x: 51706 cisionSPECIFIC Type:POINT	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP 	URUS SAC UES VAR. L Dates La: Element: Site: Updated: 05N 02E 29	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07
Location Detail Ecological: Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail Ecological:	: MAPPED WITHIN ALKALINE VERN DANTHONIOIDE CORONOPIFOLI TRAMPLING, DE 2,200 PLANTS O LATIPES VAR. H : TNC 62 Good Natural/Native oc Presumed Extant Unknown Dozier (3812137/ : Solano 38.25267°/-121. Zone-10 N42345- 80 meters 10 ft : DFG CALHOUN ( : MAPPED WITHIN : ALKALI VERNAL	I THE SE 1/4 OF TH AL FLAT WITH LAS S, LEPIDIUM NITIDU A. ER HOOFPRINTS. BSERVED IN 2002. ECKARDII ALSO OC Map Index: 5170 Currence 498D) 78616° 46 E606206 CUT ECOLOGICAL I I THE W 1/2 OF THE POOLS AND SWAL	E NE 1/4 OF SECTION 21. THENIA FREMONTII, BLENNOS JM, LEPIDIUM OXYCARPUM, FR WILCOX RANCH IS BEING PUR CCUR AT THIS SITE. 6 EO Inde Mapping Prec Symbol RESERVE, 1.15 AIR MILES ESE E NW 1/4 OF SECTION 29.	SPERMA NANUM, LOLIU RANKENIA, CRESSA TF RCHASED BY TNC. THE 2014 2015 2015 2015 2015 2015 2015 2015 2015	JM MULTIFLORUM, PLE RUXILLENSIS, ALOPECI RARE LEPIDIUM LATP Record Last Record Last Range: Section: Meridian: HWY 113.	URUS SAC UES VAR. L Dates La: Element: Site: t Updated: 05N 02E 29 M	CÁTUS, COTULA ATIPES AND LEPIDIU st Seen 2001-04-04 2001-04-04 2003-07-07 Qtr: NW

alkali milk-vetch		Eleme	ent Code: PDFAB0F8R1	
Stat	us ————	NDDB Element Ranks	Other Lists	_
Federal: None		Global: G1T1	CNPS List: 1B.2	
State: None		State: S1.1		
Habitat As	ssociations —			
	PLAYA, VALLEY AND FOOTHILL GRA	ASSLAND. VERNAL POOLS.		
Micro: LOW GI	ROUND, ALKALI FLATS, AND FLOOD	ED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS	OR VERNAL POOLS. 1-170M.	
Occurrence No	. 63 Map Index: 5170	07 <b>EO Index:</b> 51707	Dates Last Seen	
Occ Rank:	•		Element: 2002-03	3-30
	Natural/Native occurrence		Site: 2002-03	3-30
•	Presumed Extant			
Trend:	Unknown		Record Last Updated: 2003-07	7-07
Quad Summary	: Elmira (3812138/498C)			
County Summary	: Solano			
Lat/Long:	38.25906º / -121.89532º		Township: 05N	
UTM:	Zone-10 N4235136 E596647		Range: 01E	
Radius:	80 meters	Mapping PrecisionSPECIFIC	Section: 20 Qtr:	SW
Elevation	35 ft	Symbol Type:POINT	Meridian: M	
	I:MAPPED WITHIN THE SW 1/4 OF TH	HE SW 1/4 OF SECTION 20.		
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTER 300 PLANTS OBSERVED IN 2002. R TNC 64 Map Index: 5170	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE	IRUS, PILULARIA AMERICANA AND POGOG	YNE IIS SPECIE: ST.  4-09 4-09
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: SMALL ALKALI DEPRESSION (VER LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEI 300 PLANTS OBSERVED IN 2002. R : TNC 64 Map Index: 5170 Good Natural/Native occurrence Presumed Extant	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04	YNE IIS SPECIES ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEL 300 PLANTS OBSERVED IN 2002. R TNC 64 Map Index: 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B)	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04	YNE IIS SPECIES ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEL 300 PLANTS OBSERVED IN 2002. R TNC 64 Map Index: 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B)	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04	YNE IIS SPECIES ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEL 300 PLANTS OBSERVED IN 2002. R TNC 64 Map Index: 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 08 EO Index: 51708	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTED 300 PLANTS OBSERVED IN 2002. R TNC 64 <b>Map Index:</b> 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822 15.0 acres	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAD LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI RECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 08 EO Index: 51708 Mapping PrecisionSPECIFIC	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E Section: 20 Qtr: \	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTED 300 PLANTS OBSERVED IN 2002. R TNC 64 <b>Map Index:</b> 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822 15.0 acres	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 08 EO Index: 51708	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	SMALL ALKALI DEPRESSION (VERI LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTED 300 PLANTS OBSERVED IN 2002. R TNC 64 <b>Map Index:</b> 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822 15.0 acres 15 ft	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAD LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI RECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 08 EO Index: 51708 Mapping PrecisionSPECIFIC	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E Section: 20 Qtr: 4 Meridian: M	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	SMALL ALKALI DEPRESSION (VERP LEPTOCLADUS, LEPIDIUM MULTIFL ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEL 300 PLANTS OBSERVED IN 2002. R TNC 64 <b>Map Index:</b> 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822 15.0 acres 15 ft DFG GLIDE-TULE RANCH ECOLOG	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 08 EO Index: 51708 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU —— Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E Section: 20 Qtr: V Meridian: M	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai	SMALL ALKALI DEPRESSION (VER LEPTOCLADUS, LEPIDIUM MULTIFI ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTED 300 PLANTS OBSERVED IN 2002. R TNC 64 Map Index: 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Saxon (3812146/497B) Solo (121.67286° Zone-10 N4255415 E615822 15.0 acres 15 ft DFG GLIDE-TULE RANCH ECOLOG MAPPED AS 3 POLYGONS IN THE M ALKALI VERNAL POOLS AND SWAL	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 38 EO Index: 51708 Mapping PrecisionSPECIFIC Symbol Type:POLYGON ICAL RESERVE, APPROXIMATELY 2 MILES SOUTHW	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH IRRED TO DFG OR THE SOLANO LAND TRU — Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Range: 03E Section: 20 Qtr: \ Meridian: M VEST OF SAXON. IDE SITE #2. ERO CLAY AND CLEAR LAKE CLAY SERIES	YNE ST. 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai Ecological	SMALL ALKALI DEPRESSION (VERP LEPTOCLADUS, LEPIDIUM MULTIFL ZIZYPHOROIDES. SOIL/VEG MODERATELY IMPACTEL 300 PLANTS OBSERVED IN 2002. R TNC 64 <b>Map Index:</b> 5170 Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Yolo 38.43951° / -121.67286° Zone-10 N4255415 E615822 15.0 acres 15 ft DFG GLIDE-TULE RANCH ECOLOG MAPPED AS 3 POLYGONS IN THE W ALKALI VERNAL POOLS AND SWAL INCLUDE LASTHENIA FREMONTIL	NAL POOL) ALONG MESIC SWALE ON SOLANO LOAI LORUM, PLEUROPOGON CALIFORNICUS, ALOPECU D BY GRAZING, BUT OPEN SPACE CREATED BY THI ECENTLY ACQUIRED BY TNC AND TO BE TRANSFE 208 EO Index: 51708 Mapping PrecisionSPECIFIC Symbol Type:POLYGON ICAL RESERVE, APPROXIMATELY 2 MILES SOUTHW WESTERN PORTION OF SECTION 20. INCLUDES GLI LES ON DEEPLY CHURNING SOILS OF THE PESCAD	IRUS, PILULARIA AMERICANA AND POGOG IS TYPE OF DISTURBANCE CRITICAL TO TH RRED TO DFG OR THE SOLANO LAND TRU — Dates Last Seen Element: 2003-04 Site: 2003-04 Record Last Updated: 2008-07 Township: 07N Range: 03E Section: 20 Qtr: M Meridian: M VEST OF SAXON. IDE SITE #2. IERO CLAY AND CLEAR LAKE CLAY SERIES SP. ERIANTHA, AND LUPINUS BICOLOR.	YNE ST. 

Owner/Manager: DFG

alkali milk-vetch			Element Code: PDFAB0F8R1		
State	at	NDDB Element Ranks	Other Lists		
Federal: None State: None		Global: G1T1 State: S1.1	CNPS Li	st: 1B.2	
		State. St.1			
General: ALKAL	PLAYA, VALLEY AND FOOTHILL (				
		DODED LANDS; IN ANNUAL GRASSLAND OR IN	V PLAYAS OR VERNAL POOLS. 1-17	'0M.	
Occurrence No.	. 65 Map Index: 5	51709 <b>EO Index:</b> 51709		Dates Las	t Seen
Occ Rank:					2002-04-25
	Natural/Native occurrence			Site:	2002-04-25
	Presumed Extant		Depend Lept	l lucilata de	2008 01 10
Trend:	Unknown		Record Last	Opdated:	2008-01-10
Quad Summary:	Fairfield South (3812221/482A)				
County Summary	: Solano				
Lat/Long:	38.23028º / -122.06194º		Township:	05N	
	Zone-10 N4231782 E582101		Ŭ		
Area: Elevation:	6.0 acres	Mapping PrecisionSPEC Symbol Type:POLY			Qtr: SW
		K, ABOUT 0.55 MILE SW OF JUNCTION OF PEN	INSYLVANIA AVE AND CORDELIA R	OAD, SOU	TH OF FAIRFIELD.
	I:WEST OF SUISUN CITY.				
Ecological		RASSLAND, SILTY CLAY SOIL, LEVEL. FOUND DEACEUS, HORDEUM MARINUM GUSSONEAI			
General:		RIL 16, 2002, MORE THAN 300 PLANTS OBSE THIS SITE, SITE IS REPORTED AS UPSLOPE (			
		THIS SITE. SITE IS REPORTED AS UPSLOPE (	JF ATRIPLEX PERSISTENS. CATTLE	GRAZING	PRESENT ON SITE.
Owner/Manager	: PVT-GENTRY CO				
Occurrence No.	. 69 Map Index: 5	54631 EO Index: 54631	_	Dates Las	t Seen
Occ Rank:	•		E	Element:	2003-04-XX
	Natural/Native occurrence			Site:	2003-04-XX
	Presumed Extant Unknown		Record Last	Undated:	2004-03-09
Trend:				opulicu.	20010000
-	: Saxon (3812146/497B)				
County Summary	: Yolo				
-	: 38.43748º / -121.67135º		Township:		
	Zone-10 N4255192 E615957 0.5 acres	Manning Presidion SPEC	Range:		<b>Otr</b> <i>N</i>
Elevation:		Mapping PrecisionSPEC Symbol Type:POLY			Qtr: N
Laastian					
		OGICAL RESERVE, EAST OF RAILROAD, APP		RANCHP	UMP HOUSE.
		IN THE CENTER OF THE WESTERN HALF OF			
Ecological	: MESIC GRASSLAND DOMINATE BLENNOSPERMA NANUM ET AL	ED BY LASTHENIA GLABRATA AND LOLIUM MI L.	JLTIFLORUM. ASSOCIATES INCLUD	DE LAYIA C	CHRYSANTHEMOIDE
Throat	CATTLE GRAZING.				
		03 BETWEEN THIS OCC #32 & #64.			
Owner/Manager	: DFG				
	. 70 Map Index: 5	54633 <b>EO Index:</b> 54633	_	Dates Las	t Seen ———
Occurrence No.			E	lement:	2003-04-XX
Occurrence No. Occ Rank:	•			Site:	2002 04 VV
Occ Rank: Origin:	Excellent Natural/Native occurrence			one.	2003-04-XX
Occ Rank: Origin: Presence:	Excellent Natural/Native occurrence Presumed Extant		Record Last		
Occ Rank: Origin: Presence: Trend:	Excellent Natural/Native occurrence Presumed Extant Unknown		Record Last		
Occ Rank: Origin: Presence: Trend: Quad Summary:	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B)		Record Last		
Occ Rank: Origin: Presence: Trend:	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B)		Record Last		
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Excellent Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215°		Township:	Updated: 07N	
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Excellent Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215° Zone-10 N4256871 E615863		Township: Range:	Updated: 07N 03E	2005-03-01
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres	Mapping PrecisionSPEC Symbol Type:POLY	Township: Range: IFIC Section:	Updated: 07N 03E 17	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	Excellent Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft	Symbol Type:POLY	Township: Range: IFIC Section: GON Meridian:	Updated: 07N 03E 17 M	2005-03-01 Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft : DFG GLIDE-TULE RANCH ER, A	Symbol Type:POLY BOUT 0.25 MILE WEST OF RAILROAD TRACK	Township: Range: IFIC Section: GON Meridian: S ALONG SLOUGH, 1.9 AIRMILES SC	Updated: 07N 03E 17 M	2005-03-01 Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: UTM: Area: Elevation: Location Detail	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft : DFG GLIDE-TULE RANCH ER, Al	Symbol Type:POLY BOUT 0.25 MILE WEST OF RAILROAD TRACK IN THE SW 1/4 OF THE NW 1/4 OF SECTION 1	Township: Range: IFIC Section: GON Meridian: S ALONG SLOUGH, 1.9 AIRMILES SC 7.	Updated: 07N 03E 17 M DUTHWES	2005-03-01 Qtr: NW T OF GLIDE RANCH.
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: UTM: Area: Elevation: Location Detail	Excellent Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft : DFG GLIDE-TULE RANCH ER, AL : ONE SMALL COLONY MAPPED : MESIC GRASSLAND DOMINATE	Symbol Type:POLY BOUT 0.25 MILE WEST OF RAILROAD TRACK IN THE SW 1/4 OF THE NW 1/4 OF SECTION 1 ED BY LASTHENIA GLABRATA AND LOLIUM MI	Township: Range: IFIC Section: GON Meridian: S ALONG SLOUGH, 1.9 AIRMILES SC 7.	Updated: 07N 03E 17 M DUTHWES	2005-03-01 Qtr: NW T OF GLIDE RANCH.
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft : DFG GLIDE-TULE RANCH ER, AI I: ONE SMALL COLONY MAPPED I : MESIC GRASSLAND DOMINATE BLENNOSPERMA NANUM ET AL	Symbol Type:POLY BOUT 0.25 MILE WEST OF RAILROAD TRACK IN THE SW 1/4 OF THE NW 1/4 OF SECTION 1 ED BY LASTHENIA GLABRATA AND LOLIUM MI	Township: Range: IFIC Section: GON Meridian: S ALONG SLOUGH, 1.9 AIRMILES SC 7.	Updated: 07N 03E 17 M DUTHWES	2005-03-01 Qtr: NW T OF GLIDE RANCH.
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological Threat:	Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) : Yolo : 38.45262° / -121.67215° Zone-10 N4256871 E615863 0.8 acres : 15 ft : DFG GLIDE-TULE RANCH ER, AL : ONE SMALL COLONY MAPPED : MESIC GRASSLAND DOMINATE BLENNOSPERMA NANUM ET AL : CATTLE GRAZING.	Symbol Type:POLY BOUT 0.25 MILE WEST OF RAILROAD TRACK IN THE SW 1/4 OF THE NW 1/4 OF SECTION 1 ED BY LASTHENIA GLABRATA AND LOLIUM MI	Township: Range: IFIC Section: GON Meridian: S ALONG SLOUGH, 1.9 AIRMILES SC 7. JLTIFLORUM. ASSOCIATES INCLUD	Updated: 07N 03E 17 M DUTHWES	2005-03-01 Qtr: NW T OF GLIDE RANCH.

alkali milk-vetch		Element Code: PDFAB0F8R1
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1T1	CNPS List: 1B.2
State: None	State: S1.1	
Habitat Associations —		
General: ALKALI PLAYA, VALLEY AND F	OOTHILL GRASSLAND, VERNAL POOLS.	

burrowing owl				Element C	ode: ABNSB10010		
Federal: None	us ———		NDDB Element Ranks     Global: G4		Other Lists     CDFG State	us: SC	
State: None			State: S2				
	ssociations —						
			SLANDS, DESERTS & SCRUBLAN JPON BURROWING MAMMALS, M				
Occurrence No	. 32	Map Index: 108	B86 EO Index	<b>x:</b> 9970		Dates Las	st Seen
Occ Rank:					E		2003-05-05
-	Natural/Native of					Site:	2003-05-05
	Presumed Extar Unknown	nt			Record Last	Updated:	2003-05-06
rrena.	UTIKITOWIT					opaaloa	2000 00 00
Quad Summary	: Saxon (3812146	6/497B)					
County Summary	: Yolo						
Lat/Long:	38.41582º / -12	1.67981º			Township:	07N	
UTM:	Zone-10 N4252	778 E615254			•	03E	
Area:				isionNON-SPECIFIC	Section:		Qtr: NE
Elevation	15 ft		Symbol	Type:POLYGON	Meridian:	М	
Ecological	ROAD, EAST O SURROUNDING OBSERVED AL	F THE MOBILE HO G LAND USE IS AGI ONG THE FENCEL	DN A WOOD FENCE POST JUST N ME & CABOOSE & WEST OF THE RICULTURE. 2003; GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES.	UTH OF MIDWAY RO	AD. A FEV	V RODENT BURR
Ecological	ROAD, EAST O SURROUNDING OBSERVED AL	F THE MOBILE HO G LAND USE IS AGI ONG THE FENCEL	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH.	POWER LINES.	UTH OF MIDWAY RO	AD. A FEV	V RODENT BURR
Ecological General:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT	F THE MOBILE HO G LAND USE IS AGI ONG THE FENCEL	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES.	UTH OF MIDWAY RO.	AD. A FEV	V RODENT BURR
Ecological General: Owner/Manager Occurrence No Occ Rank:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good	F THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 10	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO, 7. ONE OBSERVED 5 I	AD. A FEV MAY 2003 Dates Las Element:	V RODENT BURR( st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o	IF THE MOBILE HOUSE IS AGE ONG THE FENCEL ATION IN 1987. ONE Map Index: 102 DOCUTTENCE	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO, 7. ONE OBSERVED 5 I	AD. A FEV MAY 2003 Dates Las	V RODENT BURR( st Seen 2004-05-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA : PVT 33 Good Natural/Native o Presumed Extar	IF THE MOBILE HOUSE IS AGE ONG THE FENCEL ATION IN 1987. ONE Map Index: 102 DOCUTTENCE	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I  E	AD. A FEV MAY 2003 Dates Las Element: Site:	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 poccurrence nt	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO, 7. ONE OBSERVED 5 I	AD. A FEV MAY 2003 Dates Las Element: Site:	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	ROAD, EAST O SURROUNDING OBSERVED ALL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 poccurrence nt	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I  E	AD. A FEV MAY 2003 Dates Las Element: Site:	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 Occurrence Int 6/497B)	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I  E Record Last	AD. A FEV MAY 2003 Dates Las Element: Site: Updated:	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	ROAD, EAST O SURROUNDING OBSERVED ALL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCELI ATION IN 1987. ONE Map Index: 108 occurrence nt 5/497B) 1.71376°	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I  E	AD. A FEV MAY 2003 Dates Las Element: Site: Updated:	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT . 33 Good Natural/Native o Presumed Extar Unknown . Saxon (3812146 : Solano . 38.40133° / -12	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCELI ATION IN 1987. ONE Map Index: 108 occurrence nt 5/497B) 1.71376°	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED 823 EO Index	POWER LINES. TO THE NORTH AND SO D BURROW SITE NEARBY	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I 	AD. A FEV MAY 2003 Dates Las Element: Site: Updated: 06N	V RODENT BURR st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano 38.40133° / -12 Zone-10 N4251	IF THE MOBILE HO G LAND USE IS AG ONG THE FENCELI ATION IN 1987. ONE Map Index: 108 occurrence nt 5/497B) 1.71376°	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED 823 EO Index Mapping Prec	POWER LINES. TO THE NORTH AND SOL D BURROW SITE NEARBY x: 19677	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I 	AD. A FEV MAY 2003 Dates Lat Element: Site: Updated: 06N 02E 02	V RODENT BURR
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano 38.40133° / -12 Zone-10 N4251 20 ft	F THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 occurrence nt 3/497B) 1.71376° 128 E612312	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED 823 EO Index Mapping Prec	POWER LINES. TO THE NORTH AND SOLD D BURROW SITE NEARBY x: 19677 x: 19677 x: 19677 x: 19677 x: 19677	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I —— Record Last Township: Range: Section: Meridian:	AD. A FEV MAY 2003 Dates Lat Element: Site: Updated: 06N 02E 02 M	V RODENT BURR
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano 38.40133° / -12 Zone-10 N4251 20 ft IN THE VICINIT 1987: OWLS US	F THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 Map Index: 108	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED 823 EO Index Mapping Prec Symbol	POWER LINES. TO THE NORTH AND SOLD D BURROW SITE NEARBY x: 19677 x: 1967	UTH OF MIDWAY RO. CONE OBSERVED 5 I CONE OBSERVE CONE OBSERVE CONE OBSERVED 5 I CONE OBSERVE CONE OBSERVED 5 I CONE OBSE	AD. A FEV MAY 2003 Dates Lat Element: Site: Updated: 06N 02E 02 M S SE OF D JSING ME	V RODENT BURR
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVA PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano 38.40133° / -12 Zone-10 N4251 20 ft IN THE VICINIT 1987: OWLS US CONCRETE FC BURROWS CO	F THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 Map Index: 108	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED 823 EO Index Mapping Prec Symbol T ECTION OF YOLANO ROAD, KING .OCKS. 1990: OWLS ON FENCE N	POWER LINES. TO THE NORTH AND SOLD D BURROW SITE NEARBY x: 19677 x: 1977 x: 19677 x: 19777 x: 19677 x: 19677	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I 	AD. A FEV MAY 2003 Dates Lat Element: Site: Updated: 06N 02E 02 M S SE OF D JSING ME OF FOUN	V RODENT BURR
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary County Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Detai	ROAD, EAST O SURROUNDING OBSERVED AL ONE OBSERVED PVT 33 Good Natural/Native o Presumed Extar Unknown Saxon (3812146 Solano 38.40133° / -12 Zone-10 N4251 20 ft IN THE VICINIT 1987: OWLS US CONCRETE FC BURROWS CO GRAZED ANNU	F THE MOBILE HO G LAND USE IS AG ONG THE FENCEL ATION IN 1987. ONE Map Index: 108 Map Index: 108	ME & CABOOSE & WEST OF THE RICULTURE. 2003: GRASSLANDS INE AT THE TOP OF THE DITCH. E OBSERVED IN 1989; PRESUMED B223 EO Index B23 EO Index Comparison of the distribution of the distribu	POWER LINES. TO THE NORTH AND SOLD D BURROW SITE NEARBY X: 19677 X: 1967	UTH OF MIDWAY RO. 2. ONE OBSERVED 5 I 	AD. A FEV MAY 2003 Dates Lat Element: Site: Updated: 06N 02E 02 M S SE OF D JSING ME OF FOUN	V RODENT BURR

Owner/Manager: PVT

Habital Associations	Federal: None State: None	us —	<ul> <li>NDDB Element Ranks</li> <li>Global: G4</li> <li>State: S2</li> </ul>	CDFG Status: SC		
Occ Rank:       Unknown       Element:       1997-06-06         Origin::       Nutrahaba occurrence       Site:       1997-06-06         Presence:       Presence:       Presence:       Presence:       1998-06-06         Outed Summary:       Fairliel South (312221/462A)       Record Last Updated:       1998-06-06         County Summary:       Sale 2018/       1220-0638       Township:       05M         UTM:       Zone:       Nutrahaba occurrence       Symbol Type-PoINT       Range:       02W         Radius:       15 mile       Mapping PrecisionNON-SPECIFIC       Section::       35       Otr.:: XX         Elevation::       10 ft       Symbol Type-PoINT       Meridian::       M         Location::       CORELLAN CADA DENOROPOSED BUSINESS PARK.       General:       BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1992, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE QL         EXECULENT, ACCORING TO LEONG.       OncertManager:       UnkNOWN       Element:       1990-06-30         Orgin:       Naturahibatine accurrence       Site:       1990-07-03       Element:       1990-06-30         Orgin:       Naturahibatine accurrence       Site:       1990-07-03       Element:       1990-07-03         Outestima:       Naturahibatine accurrence	General: OPEN,	DRY ANNUAL OR PERENIAL GRASSLAN				
Presence: Presumed Extant. Trene: Increasing Record Last Update: 1989-06-10 Quad Summay: Fairfield South (3812221/482A) County Summay: Solano LatLong: 38.23018/ -122.06359 Township: 05N Angene: 02W Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 35 Orr: KX Elevation: 10 ft Symbol Type POINT Meridian: M Location: CORDELIA ROAD JCT W/ OREHR RD, APPROX 15 MI SOF HWY 12 JCT Wi-80, FAIRFIELD. Threat: THREATENED BY LIVESTOCK AND A PROPOSED BUSINESS PARK. General: BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE OL EXCELLENT, ACCORING TO LEONG. Domer/Manage: UNKNOWN Cocurrence No. 103 Map Index: 17253 EO Index: 12007 — Dates Last Seen — Elevatin: 1990-06-30 Presence: Presumed Extant Trene: UNKNOWN County Summay: Doxi (3812147/498A) County Summay: Solano LatLong: 38.39610 <sup>6</sup> / -121.78607 <sup>7</sup> Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 06 Qtr: NE Radius: 16 mile Mapping	Occ Rank:	: Unknown	<b>EO Index:</b> 25452	Element:	1987-06-06	
County Summary: Solano       Township: 05N       Rarging: 02W         Mapping Procision/ON-SPECIFIC       Section: 35       Qtr: XX         Elevation: 10 ft       Symbol Type-POINT       Meridian: M       Cr: XX         Elevation: 10 ft       Symbol Type-POINT       Meridian: M       Cr: XX         Elevation: CORDELIA ROAD JCT W OREHR RD, APPROX 1.5 MI S OF HWY 12 JCT WH-80, FAIRFIELD.       Threat: THREATENED BY LIVESTOCK AND A PROPOSED BUSINESS PARK.       Meridian: M         Cocurrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occurrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occarrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occarrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occarrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occarrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Occ.         Occarrence No. 103       Map Index: 172677       Township: 06N       Range: 02E         Radius: 1/6 mile       Mapping PrecisionNON-SPECIFIC       Section: 06       Qtr: VE         Elevator: 01 rt       Map Index: 17.8077       Townsh	Presence	Presumed Extant		Record Last Updated:	1989-08-10	
UTM:       Zone-10 M431769 E591957       Range:       CWW         Radius:       15 mile       Mapping Precision\ON-SPECIFIC       Section:       35       Qtr: XX         Elevation:       10 ft       Symbol Type:POINT       Meridian::       M         Location:       CORDELIA ROAD JCT W/ OREHR RD, APPROX 1.5 MI S OF HWY 12 JCT W/-80, FAIRFIELD.       Threat:       Threat:       THREATENED BY LIVESTOCK AND A PROPOSED BUSINESS PARK.         General:       BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE OL EXCELLENT, ACCORING TO LEONG.       Owner/Manager:       UNKNOWN         Occurrence No.       103       Map Index:       17253       EO Index:       12007	-	· ,				
Threat:       THREATENED BY LIVESTOCK AND A PROPOSED BUSINESS PARK.         Generat:       BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE OL EXCELLENT, ACCORING TO LEONG.         Owner/Manager:       UNKNOWN         Occurrence No. 103       Map Index:       17253       EO Index:       12007	UTM: Radius:	Zone-10 N4231769 E581957 : 1/5 mile		Range:02WIFICSection:35	Qtr: XX	
General:       BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE OL EXCELLENT, ACCORING TO LEONG.         Owner/Manager:       UNKNOWN         Occurrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen — Dates Last Seen — Dates Last Seen I Survay Natural/Native occurrence         Ordig in Stutral/Native occurrence       Site:       1990-06-30         Presence:       Presumed Extant       1990-06-30         Trend:       Unknown       Record Last Updated:       1992-07-03         Quad Summary:       Dixon (3812147/498A)       County Summary: Solano       Range:       02E         Lat/Long:       38.39610° /-121.78607°       Township:       06N       Range:       02E         Radius:       106       Mapping PrecisionNON-SPECIFIC       Soction:       06       Otr: VE         Elevation:       30 ft       Mapping PrecisionNON-SPECIFIC       Soction:       06       Otr: VE         Ecological:       SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.       Threet:       MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.       General:       IN 1989, OULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED BY MYERS AND DOUGLAS.         Owner/Manager:       UNKNOW				RFIELD.		
Occurrence No. 103       Map Index: 17253       EO Index: 12007       — Dates Last Seen         Occ Rank: Fair       Element: 1990-06-30         Origin: Natural/Native occurrence       Site: 1990-06-30         Presence: Presumed Extant       Record Last Updated: 1992-07-03         Quad Summary: Dixon (3812147/498A)       County Summary: Solano         Lat/Long: 38.39610°/-121.78607°       Township: 06N         Mapping PrecisionNON-SPECIFIC       Section: 06         Radius: 1/5 mile       Mapping PrecisionNON-SPECIFIC         Symbol Type:POINT       Meridian: M         Location: ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.         Ecological: SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.         Threat: MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.         General: IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.         Owner/Manager: UNKNOWN       Element: 1980-07-01         Occurrence No. 104       Map Index: 17254       EO Index: 13607       Dates Last Seen         Occurrence No. 104       Map Index: 17254       EO Index: 13607       Dates Last Seen         Occurrence No. 104       Map Index: 17254       EO Index: 13607       Dates Last Sen		BREEDING COLONY OF MANY BURRC		2, 9 ADULTS AND 4 JUVENILES OBSERVI	ED. SITE QUALITY	
Occ Rank: Fair       Element:       1990-06-30         Origin: Natural/Native occurrence       Site:       1990-06-30         Presence: Presumed Extant       Record Last Updated:       1992-07-03         Quad Summary: Dixon (3812147/498A)       County Summary: Solano       Issue Summary:       1992-07-03         Lat/Long:       38.39610°/ -121.78607°       Township:       06N       Range:       02E         Radius:       15 mile       Mapping PrecisionNON-SPECIFIC       Section:       06       Qtr: YE         Elevation:       30 ft       Symbol Type:POINT       Meridian:       M         Location:       ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.       Ecological: SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.         Threat:       MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.       General:       IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.       Owner/Manage:       UNKNOWN         Occc Rank:       Fair       Coca Rank:       Fair       1989-07-01       Site:       1989-07-01         Origin:       Natural/Native occurrence       Element:       1989-07-01       Site:       1989-07-01	Owner/Manager	: UNKNOWN				
Trend:       Unknown       Record Last Updated:       1992-07-03         Quad Summary:       Dixon (3812147/498A)       County Summary:       Solano         Lat/Long:       38.39610° / -121.78607°       Township:       06N       Range:       02E         Radius:       1/5 mile       Mapping PrecisionINON-SPECIFIC       Section:       0.6       Qtr: NE         Elevation:       30 ft       Symbol Type:POINT       Meridian:       M         Location:       ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.       Ecological:       SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.         Threat:       MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.       General:       IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTUBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.         Owner/Manager:       UNKNOWN       Elevente:       1989-07-01         Presence:       Fair       Site:       1989-07-01         Orce Rank:       Fair       Site:       1980-07-01         Orgin:       Natural/Native occurrence       Site:       1980-07-01         Presence:       Presumed Extant       Site:       1980-07-01         Orgin:       Natural/Native	Occ Rank: Origin:	Fair Natural/Native occurrence	EO Index: 12007	Element:	1990-06-30	
County Summary: Solano         Lat/Long: 38.39610°/-121.78607°       Township: 06N         UTM: Zone-10 N4250462 E606005       Range: 02E         Radius: 1/5 mile       Mapping PrecisionNON-SPECIFIC       Section: 06       Qtr: NE         Elevation: 30 ft       Symbol Type:POINT       Meridian: M       Meridian: M         Location: ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.       Ecological: SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.         Threat: MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.       General: IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.         Owner/Manager: UNKNOWN       Cocurrence No. 104       Map Index: 17254       EO Index: 13607       Dates Last Seen       Element: 1989-07-01         Origin: Natural/Native occurrence       Site: 1989-07-01       Site: 1989-07-01         Presence: Presumed Extant       Trend: Unknown       Record Last Updated: 1990-12-19         Quad Summary: Dixon (3812147/498A)       Dixon (3812147/498A)				Record Last Updated:	1992-07-03	
UTM:       Zone-10 N4250462 E606005       Range:       0.2E       Section:       0.6       Qtr: VE         Radius:       1/5 mile       Mapping PrecisionNON-SPECIFIC       Section:       0.6       Qtr: VE         Elevation:       30 ft       Symbol Type:POINT       Meridian:       M         Location:       ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.       Ecological:       Site IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.         Threat:       MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.       General:       IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTUBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.         Owmer/Manager:       UNKNOWN       ED Index:       13607       Dates Last Seen         Occ Rank:       Fair       Element:       1989-07-01         Origin:       Natural/Native occurrence       Site:       1989-07-01         Presence:       Presumed Extant       Iseord Last Updated:       1990-12-19         Quad Summary:       Dixon (3812147/498A)       Bite: 1980-12-19	-	, ,				
Ecological: SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.          Threat: MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.          General: IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.          Owner/Manager: UNKNOWN          Occurrence No. 104       Map Index: 17254       EO Index: 13607       — Dates Last Seen — Element: 1989-07-01          Fair       Element: 1989-07-01       Site: 1989-07-01          Presumed Extant       Element: 1989-07-01          Presumed Extant       Iste: 1980-07-01          Presumed Extant       Iste: 1980-07-01          Presumed Extant       Iste: 1980-12-19 <td c<="" td=""><td>UTM: Radius:</td><td>Zone-10 N4250462 E606005 : 1/5 mile</td><td></td><td>Range:02EIFICSection:06</td><td>Qtr: NE</td></td>	<td>UTM: Radius:</td> <td>Zone-10 N4250462 E606005 : 1/5 mile</td> <td></td> <td>Range:02EIFICSection:06</td> <td>Qtr: NE</td>	UTM: Radius:	Zone-10 N4250462 E606005 : 1/5 mile		Range:02EIFICSection:06	Qtr: NE
Threat:       MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.         General:       IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURN SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.         Owner/Manager:       UNKNOWN         Occurrence No.       104       Map Index:       17254       EO Index:       13607       — Dates Last Seen       —         Occ Rank:       Fair       Element:       1989-07-01         Origin:       Natural/Native occurrence       Site:       1989-07-01         Presence:       Presumed Extant       Trend:       Unknown       Record Last Updated:       1990-12-19         Quad Summary:       Dixon (3812147/498A)       Einement:       1990-12-19	Location	: ALONG WEST SIDE OF ROBBEN ROAI	D, 1.4 MI SOUTH OF MIDWAY ROAD, APPROX	(IMATELY 3 MI SE OF DIXON.		
Occurrence No. 104     Map Index: 17254     EO Index: 13607     — Dates Last Seen       Occ Rank: Fair     Element: 1989-07-01       Origin: Natural/Native occurrence     Site: 1989-07-01       Presence: Presumed Extant     Trend: Unknown       Record Last Updated: 1990-12-19       Quad Summary: Dixon (3812147/498A)	Threat	: MAIN THREAT IS ASSOCIATED WITH T : IN 1989, ONE ADULT OWL WAS OBSE	THE PROXIMITY OF THE SITE TO AGRICULTU RVED BY WHISLER. OWL FLUSHED FROM SI	JRAL ACTIVITIES. TE WHEN DISTURBED, BUT IMMEDIATEL	Y RETURNED TO	
Occ Rank: Fair     Element:     1989-07-01       Origin: Natural/Native occurrence     Site:     1989-07-01       Presence:     Presumed Extant     1989-07-01       Trend:     Unknown     Record Last Updated:     1990-12-19   Quad Summary: Dixon (3812147/498A)	Owner/Manager	: UNKNOWN				
Quad Summary: Dixon (3812147/498A)	Occ Rank: Origin:	Fair Natural/Native occurrence	<b>EO Index:</b> 13607	Element: Site:	1989-07-01 1989-07-01	
				Record Last Updated:	1990-12-19	
County Summary: Solano	Quad Summary	: Solano				
Lat/Long:         38.43289° / -121.78632°         Township:         07N           UTM:         Zone-10 N4254544 E605929         Range:         02E           Radius:         1/5 mile         Mapping PrecisionNON-SPECIFIC         Section:         19         Qtr: SE           Elevation:         40 ft         Symbol Type:POINT         Meridian:         M		: 38.43289º/-121.78632º		Range: 02E	<b>e</b> : 25	

rrowing owl				Element Code: ABNSB10010		
Stat	us ———		NDDB Element Ranks	Other Lists		
Federal: None			Global: G4	CDFG Sta	atus: SC	
State: None			State: S2			
Habitat As	ssociations ———					
General: OPEN,	DRY ANNUAL OR PER	ENIAL GRASSLAND	DS, DESERTS & SCRUBLANDS CHARACTE	ERIZED BY LOW-GROWING VE	EGETATION.	
Micro: SUBTE	RRANEAN NESTER, D	EPENDENT UPON I	BURROWING MAMMALS, MOST NOTABLY	, THE CALIFORNIA GROUND \$	SQUIRREL.	
Occurrence No	. 105 <b>M</b> a	ap Index: 17255	EO Index: 13604		- Dates Las	st Seen
Occ Rank:	Fair	•			Element:	1989-07-01
Origin:	Natural/Native occurre	ence			Site:	1989-07-01
Presence:	Presumed Extant					
Trend:	Unknown			Record Las	st Updated:	2002-08-27
Quad Summary	Dixon (3812147/498A	)				
County Summary	: Solano					
Lat/Long	38.41746º / -121.7862	26°		Township	: 07N	
	Zone-10 N4252832 E	605957		Range:		
	57.9 acres		Mapping PrecisionSPECIFIC			Qtr: XX
Elevation	: 40 ft		Symbol Type:POLYGON	Meridian	: M	
Ecological Threat:	IRRIGATION DITCH) MIDWAY ROAD. HABITAT CONSISTS IRRIGATION DITCH 3 INDIVIDUALS WES	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO	DIFFICULT TO VIEW) AND 2 OTHER ADUL ROBBENS ROAD. 1 ADULT OBSERVED US S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. PAD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE	BENS ROAD A
Ecological Threat:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS IRRIGATION DİTCH I : 3 INDIVIDUALS WES OBSERVED ON 1 JAI	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO	ROBBENS ROAD. 1 ADULT OBSERVED US S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL.	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE	BENS ROAD A
Ecological Threat: General: Owner/Manager	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DİTCH N : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO N 1989.	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE	BENS ROAD A
Ecological Threat: General: Owner/Manager Occurrence No	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DİTCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN . 113 Ma	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO	ROBBENS ROAD. 1 ADULT OBSERVED US S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL.	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE	BENS ROAD A
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN . 113 Ma None	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE OAD AND Re - Dates Las Element:	BENS ROAD A OBBENS ROA St Seen 1983-XX-XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS I IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN . 113 Ma None Natural/Native occurre	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS.	ER OF ROBE OAD AND Re - Dates Las Element:	BENS ROAD A
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN . 113 Ma None	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS. AT NE CORNER OF MIDWAY R	ER OF ROBE OAD AND Re - Dates Las Element:	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH I : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN . 113 Ma None Natural/Native occurre Extirpated	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO N 1989. ap Index: 17304	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS. AT NE CORNER OF MIDWAY R	CAD AND RO OAD AND RO Dates Las Element: Site:	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 113 Ma None Natural/Native occurre Extirpated Unknown : Fairfield North (38122)	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COL T OF ROBBENS RO N 1989. ap Index: 17304	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS. AT NE CORNER OF MIDWAY R	CAD AND RO OAD AND RO Dates Las Element: Site:	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 113 Ma None Natural/Native occurre Extirpated Unknown : Fairfield North (38122)	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D)	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. AD OBSERVED ON 1 JULY 1989. ADULT A	SING CULVERT AT NE CORNE RAL GRAIN CROPS. AT NE CORNER OF MIDWAY R	CAD AND Re - Dates Las Element: Site: st Updated:	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 113 Ma None Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0246 Zone-10 N4237649 E	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D)	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Township Range:	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 02W	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 1113 Ma None : Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0248 Zone-10 N4237649 E 2/5 mile	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D)	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JUD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960 Mapping PrecisionNON-SPE	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Township Range: CIFIC Section	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 05N : 02W : 13	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 1113 Ma None : Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0248 Zone-10 N4237649 E 2/5 mile	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D)	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Township Range:	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 05N : 02W : 13	3ENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12 1996-01-11
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 1113 Ma None : Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0248 Zone-10 N4237649 E 2/5 mile	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D) 37° 585284	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960 Mapping PrecisionNON-SPE Symbol Type:POINT	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Township Range: CIFIC Section	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 05N : 02W : 13	3ENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12 1996-01-11
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	IRRIGATION DİTCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 113 Ma None Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0248 Zone-10 N4237649 E 2/5 mile : 80 ft : HILLSIDE DRIVE, OF	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D) 37° 585284 F OF DOVER AVE, I	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960 Mapping PrecisionNON-SPE Symbol Type:POINT	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Record Las CIFIC Section Meridian	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 02W : 13 : M	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12 1996-01-11 Qtr: XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	IRRIGATION DITCH) MIDWAY ROAD. HABITAT CONSISTS IRRIGATION DITCH M 3 INDIVIDUALS WES OBSERVED ON 1 JAI 3 INDIVIDUALS WES OBSERVED ON 1 JAI 1113 Ma None Natural/Native occurre Extirpated Unknown Fairfield North (38122 Solano 38.28286° / -122.0246 Zone-10 N4237649 E 2/5 mile 80 ft HILLSIDE DRIVE, OF I: THREE OWLS OBSE	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D) 37° 585284 F OF DOVER AVE, I RVED LIVING IN HC	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960 Mapping PrecisionNON-SPE Symbol Type:POINT FAIRFIELD.	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Record Las CIFIC Section Meridian	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 02W : 13 : M	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12 1996-01-11 Qtr: XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detai Ecological	IRRIGATION DITCH) MIDWAY ROAD. : HABITAT CONSISTS : IRRIGATION DITCH M : 3 INDIVIDUALS WES OBSERVED ON 1 JAI : UNKNOWN : 1113 Ma None Natural/Native occurre Extirpated Unknown : Fairfield North (38122 : Solano : 38.28286° / -122.0248 Zone-10 N4237649 E 2/5 mile : 80 ft : HILLSIDE DRIVE, OF I: THREE OWLS OBSE : IN 1983, SURROUND	ON WEST SIDE OF OF FALLOW FIELD MAINTENANCE COU T OF ROBBENS RO N 1989. ap Index: 17304 ence 31/499D) 37° 585284 F OF DOVER AVE, I RVED LIVING IN HC DING HABITAT WAS	ROBBENS ROAD. 1 ÁDULT OBSERVED U: S AND IS SURROUNDED BY AGRICULTUR JLD IMPACT OWL. DAD OBSERVED ON 1 JULY 1989. ADULT A EO Index: 11960 Mapping PrecisionNON-SPE Symbol Type:POINT FAIRFIELD. DLES BURROWED BY GOPHERS NEAR FE	SING CULVERT AT NE CORNE RAL GRAIN CROPS. IT NE CORNER OF MIDWAY R Record Las Record Las CIFIC Section Meridian	CAD AND Re - Dates Las Element: Site: st Updated: : 05N : 02W : 13 : M	BENS ROAD A OBBENS ROA 1983-XX-XX 1989-03-12 1996-01-11 Qtr: XX

Federal: None State: None	us —————	NDDB Element Ranks     Global: G4     State: S2	CDFG Status: SC	
General: OPEN,		ANDS, DESERTS & SCRUBLANDS CHARAC DN BURROWING MAMMALS, MOST NOTABI	TERIZED BY LOW-GROWING VEGETATION. Y, THE CALIFORNIA GROUND SQUIRREL.	
Occurrence No Occ Rank Origin	•	B EO Index: 11957	Dates Last Seen Element: 1989-09-0 Site: 1989-09-0	
	Presumed Extant Unknown		Record Last Updated: 1991-01-1	6
Quad Summary County Summary	: Dozier (3812137/498D) : Solano			
UTM:	238.31610° / -121.87061° Zone-10 N4241491 E598731 80 meters 245 ft	Mapping PrecisionSPECIF Symbol Type:POINT	Township: 06N Range: 01E C Section: 33 Qtr: SW Meridian: M	
Location Detai Ecologica	I: TWO ADULTS AND BURROW OBSEF I: AREA IS DEVOID OF PLANTS AND IS : 3 OWLS AND BURROW OBSERVED .		LATE SILOS ON THE NORTH SIDE OF THE EMBANKM LEMENTS. SURROUNDING AREA IS PLANTED IN OAT	
-	Excellent Natural/Native occurrence	EO Index: 9211	Dates Last Seen Element: 1989-04-0 Site: 1989-04-0	
	Presumed Extant Unknown		Record Last Updated: 1992-05-0	1
Quad Summary County Summary	: Elmira (3812138/498C) : Solano			
-		Mapping PrecisionNON-SF Symbol Type:POLYG0		
Location Detai Ecologica Threat	AT LEAST FIVE BURROWS, WITH 8 A AREA IS NOT PLOWED BECAUSE OF CATTLE GRAZING. MANY GROUND SQUIRRELS IN THE	N THE EAST SIDE, ONE MI EAST OF TRAVI ADULTS (AT LEAST 3 PAIRS), LOCATED ON F DRY POND AREA. AREA. BIRDS ARE NOT PERTURBED BY A	THE SLOPES OF A SEASONAL POND.	
Presence	•	<b>EO Index:</b> 13587	Dates Last Seen Element: 1989-03-1 Site: 1989-03-1 Record Last Updated: 1991-01-1	2
	: Elmira (3812138/498C)			
County Summary	38.26862º / -121.97049º		Township: 05N Range: 01W	

burrowing owl			Element Code: ABNSB10010 Other Lists -	
Federal: None	tus —	<ul> <li>NDDB Element Ranks</li> <li>Global: G4</li> </ul>	CDFG Status	
State: None		State: S2		
Habitat A	ssociations —			
	DRY ANNUAL OR PERENIAL GRASSLAN	DS, DESERTS & SCRUBLANDS CHARA	CTERIZED BY LOW-GROWING VEGE	TATION.
Micro: SUBTE	RRANEAN NESTER, DEPENDENT UPON	BURROWING MAMMALS, MOST NOTAI	BLY, THE CALIFORNIA GROUND SQU	JIRREL.
Occurrence No	<b>5.</b> 117 <b>Map Index:</b> 17311	EO Index: 12261	— c	ates Last Seen
Occ Rank	: Good		El	ement: 1982-XX-XX
-	: Natural/Native occurrence			Site: 1989-03-12
	: Presumed Extant : Unknown		Record Last II	pdated: 1991-01-17
Trends	: Unknown			
-	r: Elmira (3812138/498C)			
County Summary	/: Solano			
-	: 38.27647º/-121.93731º		Township: 0	
	Zone-10 N4237024 E592951		Range: (	
Radius Elevation	: 1/5 mile : 75 ft	Mapping PrecisionNON-S Symbol Type:POINT		
	1: IN THE VICINITY OF THE OFFICER'S CI			
-	I: HABITAT IS GRASSY, OPEN FIELDS W :: POTENTIAL THREAT OF DISTURBANC			ING SEASUN.
General	: NAPA-SOLANO AUDUBON REPORTS T THE BIRDS PRESENCE SINCE 1982, AI			
Owner/Manager	r: DOD-TRAVIS AFB			
Owner/Manager	I. DOD-TRAVIS AFB			
		<b>FO Index</b> : 13600	r	Dates Last Seen
Occurrence No	<b>Map Index:</b> 17312	<b>EO Index:</b> 13600		Pates Last Seen
Occurrence No Occ Rank	<b>Map Index:</b> 17312	EO Index: 13600		
Occurrence No Occ Rank Origin Presence	Map Index: 17312     Good     Natural/Native occurrence     Presumed Extant	<b>EO Index:</b> 13600	El	ement: 1982-XX-XX Site: 1989-03-12
Occurrence No Occ Rank Origin Presence	Map Index: 17312     Good     Natural/Native occurrence	<b>EO Index:</b> 13600	El	ement: 1982-XX-XX
Occurrence No Occ Rank Origin Presence Trend: Quad Summary	A 118     Map Index: 17312     Good     Natural/Native occurrence     Presumed Extant     Unknown     Elmira (3812138/498C)	<b>EO Index:</b> 13600	El	ement: 1982-XX-XX Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend:	A 118     Map Index: 17312     Good     Natural/Native occurrence     Presumed Extant     Unknown     Elmira (3812138/498C)	<b>EO Index:</b> 13600	El	ement: 1982-XX-XX Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	A 118     Map Index: 17312     Good     Natural/Native occurrence     Presumed Extant     Unknown     Elmira (3812138/498C)	<b>EO Index:</b> 13600	El	ement: 1982-XX-XX Site: 1989-03-12  pdated: 1991-01-17
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	Map Index:         17312           : Good         :           : Natural/Native occurrence         :           : Presumed Extant         :           : Unknown         :           :: Elmira (3812138/498C)         ;           y: Solano         :           :: 38.26885° / -121.95404°         :           : Zone-10 N4236162 E591497         :		El Record Last U Township: ( Range: ()	ement: 1982-XX-XX Site: 1989-03-12  pdated: 1991-01-17
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       ;         Solano       :         38.26885° / -121.95404°       :         Zone-10 N4236162 E591497       :         2/5 mile       :	Mapping PrecisionNON-5	Ek Record Last U Township: ( Range: ( SPECIFIC Section: 2	ement: 1982-XX-XX Site: 1989-03-12 Ipdated: 1991-01-17 05N 01W 22 Qtr: XX
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       ;         Solano       :         38.26885° / -121.95404°       :         Zone-10 N4236162 E591497       :         2/5 mile       :		Ek Record Last U Township: ( Range: ( SPECIFIC Section: 2	ement: 1982-XX-XX Site: 1989-03-12 Ipdated: 1991-01-17 05N 01W 22 Qtr: XX
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       ;         Solano       :         38.26885° / -121.95404°       :         Zone-10 N4236162 E591497       :         2/5 mile       :	Mapping PrecisionNON-S Symbol Type:POINT	El Record Last U Township: ( Range: ( SPECIFIC Section: 2 Meridian: 1	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 05N 01W 22 Qtr: XX M
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Locatior	Map Index:         17312           : Good         :           : Natural/Native occurrence         :           : Presumed Extant         :           : Unknown         :           :: Elmira (3812138/498C)         :           :: Solano         :           :: 38.26885°/-121.95404°         :           : Zone-10 N4236162 E591497         :           :: 2/5 mile         :           :: 60 ft         :           :: IN THE VICINITY OF TRAVIS ELEMENT	Mapping PrecisionNON-S Symbol Type:POINT	El Record Last U Township: ( Range: ( SPECIFIC Section: 2 Meridian: 1	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 05N 01W 22 Qtr: XX M
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Locatior	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       :         Solano       :         38.26885° / -121.95404°       :         Zone-10 N4236162 E591497       :         :       2/5 mile         :       60 ft         ::       IN THE VICINITY OF TRAVIS ELEMENT         r:       DOD-TRAVIS AFB	Mapping PrecisionNON-5 Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET	El Record Last U Township: ( SPECIFIC Section 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 05N 01W 22 Qtr: XX M
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location	0. 118       Map Index: 17312         : Good       : Natural/Native occurrence         : Presumed Extant       : Unknown         :: Elmira (3812138/498C)       :         :: Solano       :         :: 38.26885°/-121.95404°       :         :: Zone-10 N4236162 E591497       :         :: 2/5 mile       :         :: 60 ft       :         :: IN THE VICINITY OF TRAVIS ELEMENT         :: DOD-TRAVIS AFB         :: 119       Map Index: =17317	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 Ipdated: 1991-01-17 05N 01W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Locatior Owner/Manager	0. 118       Map Index: 17312         : Good       : Natural/Native occurrence         : Presumed Extant       : Unknown         :: Elmira (3812138/498C)       :         :: Solano       :         :: 38.26885°/-121.95404°       :         :: Zone-10 N4236162 E591497       :         :: 2/5 mile       :         :: 60 ft       :         :: IN THE VICINITY OF TRAVIS ELEMENT         :: DOD-TRAVIS AFB         :: 119       Map Index: =17317	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 Ipdated: 1991-01-17 05N 01W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELI Dates Last Seen
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Managee Occurrence No Occ Rank Origin Presence	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       ;         y:       Solano         :       38.26885° / -121.95404°         :       Zone-10 N4236162 E591497         :       2/5 mile         ::       60 ft         ::       IN THE VICINITY OF TRAVIS ELEMENT         ::       DOD-TRAVIS AFB         ::       Map Index: =17317 =         ::       Good         :       Natural/Native occurrence         :       Presumed Extant	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 D5N D1W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Managee Occurrence No Occ Rank Origin Presence	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       :         y:       Solano         :       38.26885° / -121.95404°         :       Zone-10 N4236162 E591497         :       2/5 mile         :       60 ft         n:       IN THE VICINITY OF TRAVIS ELEMENT         r:       DOD-TRAVIS AFB         p:119       Map Index: =17317 =         :       Good         :       Natural/Native occurrence	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 055N 01W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD bates Last Seen ement: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       ;         y:       Solano         :       38.26885° / -121.95404°         :       Zone-10 N4236162 E591497         :       2/5 mile         ::       60 ft         ::       IN THE VICINITY OF TRAVIS ELEMENT         ::       DOD-TRAVIS AFB         ::       Map Index: =17317 =         ::       Good         :       Natural/Native occurrence         :       Presumed Extant	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET EO Index: =13595 =	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 D5N D1W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	0. 118       Map Index: 17312         : Good       : Natural/Native occurrence         : Presumed Extant       : Unknown         :: Elmira (3812138/498C)       ;         :: Solano       : 38.26885°/-121.95404°         :: Zone-10 N4236162 E591497       : 2/5 mile         :: 60 ft       : IN THE VICINITY OF TRAVIS ELEMENT         r: DOD-TRAVIS AFB	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET EO Index: =13595 =	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 D5N D1W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	0. 118       Map Index: 17312         : Good       : Natural/Native occurrence         : Presumed Extant       : Unknown         :: Elmira (3812138/498C)       ;         :: Solano       : 38.26885°/-121.95404°         :: Zone-10 N4236162 E591497       : 2/5 mile         :: 60 ft       : IN THE VICINITY OF TRAVIS ELEMENT         r: DOD-TRAVIS AFB	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET EO Index: =13595 =	El Record Last U Township: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 D5N D1W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12 pdated: 1991-01-17
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	0. 118       Map Index: 17312         : Good       : Natural/Native occurrence         : Presumed Extant       :         : Unknown       :         r: Elmira (3812138/498C)       ;         y: Solano       :         : 38.26885° / -121.95404°       :         : Zone-10 N4236162 E591497       :         : 2/5 mile       :         :: 60 ft       :         n: IN THE VICINITY OF TRAVIS ELEMENT         : DOD-TRAVIS AFB         >-119       Map Index: =17317 =         : Good       :         : Natural/Native occurrence         : Presumed Extant         : Unknown         r: Elmira (3812138/498C), Fairfield North (3         y: Solano	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET EO Index: =13595 =	El Record Last U SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF El Record Last U	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 05N 01W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12 Site: 1989-03-12
Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	Map Index:       17312         Good       :         Natural/Native occurrence       :         Presumed Extant       :         Unknown       :         Elmira (3812138/498C)       :         y:       Solano         :       38.26885° / -121.95404°         :       Zone-10 N4236162 E591497         :       2/5 mile         :       60 ft         1:       IN THE VICINITY OF TRAVIS ELEMENT         :       DOD-TRAVIS AFB         :       119         Map Index:       17317         :       Good         :       Natural/Native occurrence         :       Presumed Extant         :       Unknown         ::       Elmira (3812138/498C), Fairfield North (3         y: Solano       :         :       38.28413° / -122.00173°         :       Zone-10 N4237812 E587307         :       2/5 mile	Mapping PrecisionNON-S Symbol Type:POINT ARY SCHOOL, THE POST OFFICE, VET EO Index: =13595 =	Ek Record Last U Township: ( Range: ( SPECIFIC Section: 2 Meridian: 1 CENTER, AND BASE EXCHANGE, TF Ek Record Last U Township: ( SPECIFIC Section: 2	ement: 1982-XX-XX Site: 1989-03-12 pdated: 1991-01-17 D5N D1W 22 Qtr: XX M RAVIS AFB, NEAR FAIRFIELD Pates Last Seen ement: 1989-03-12 Site: 1989-03-12 Jpdated: 1991-01-17 D5N D1W 17 Qtr: VW

Owner/Manager: FAIRFIELD SANITATION

burrowing owl Statu	IS	NDDB Element Ranks	Element Code: ABNSB10010 Other Lists	
Federal: None State: None	15	Global: G4 State: S2	CDFG Sta	itus: SC
Habitat As				
	DRY ANNUAL OR PERENIAL GRASSLAND RRANEAN NESTER, DEPENDENT UPON B			
Occurrence No.	120 Map Index: 17337	EO Index: 119	53	- Dates Last Seen
Occ Rank:				Element: 1989-03-12
-	Natural/Native occurrence			Site: 1989-03-12
	Presumed Extant Unknown		Record Las	t Updated: 1991-01-23
Quad Summary: County Summary:	Allendale (3812148/498B)			
-	38.41347° / -121.89770° Zone-10 N4252267 E596234		Township Range:	
	1/5 mile	Mapping PrecisionN		
Elevation:	75 ft	Symbol Type:P	OINT Meridian:	M
Location	OLD VACA VALLEY RACEWAY, SW OF T	HE INTERSECTION LEWIS AND N	IDWAY RDS, JUST EAST OF I-80, NE	OF VACAVILLE.
Location Detail	OWLS FOUND IN BURROWS MADE BY G	GROUND SQUIRRELS.		
Ecological	HABITAT IS MADE UP OF MOUNDS OF D	DIRT THAT IS HEAVILY SODDED.		
Threat:	POTENTIAL THREAT OF DEVELOPMENT	г.		
Owner/Manager:	UNKNOWN			
Occurrence No.	121 Map Index: 17357	EO Index: 119	51	- Dates Last Seen
Occ Rank:	•			Element: 1982-02-12
-	Natural/Native occurrence			Site: 2003-05-05
	Presumed Extant Decreasing		Record Las	t Updated: 2003-05-07
Quad Summary:	Saxon (3812146/497B)			
County Summary:	· · · · ·			
Lat/Long:	38.41619º / -121.69328º		Township	07N
UTM:	Zone-10 N4252802 E614077		Range:	
Radius: Elevation:	1/5 mile 20 ft	Mapping PrecisionN Symbol Type:P		
	200 YDS EAST OF THE INTERSECTION (			
	:TWO ADULTS AND THREE JUVENILES C DITCH; ALSO OBSERVED ON 12 FEB 198	BSERVED ON 30 JAN 1982 OCCI		
Ecological	SURROUNDING HABITAT IS FARMLAND	WITH SOME CATTLE GRAZING.	5/5/2003- HEAVY VEGETATION COVER	ON THE DITCH LINE.
Threat:	POTENTIAL THREAT OF DISTURBANCE	BY CATTLE AND/OR AGRICULTU	RAL PRACTICES.	
General:	ON SUBSEQUENT TRIPS TO THIS SITE I DISTURBED. 5/5/2003- NO BIRDS OBSEF			
Owner/Manager:	PVT-VAUGHN RANCH			
Occurrence No.	•	EO Index: 916	7 —	Dates Last Seen
Occ Rank: Origin:	Fair Natural/Native occurrence			Element: 1992-04-04 Site: 2003-05-05
Presence:	Presumed Extant Unknown		Record Las	st Updated: 2003-05-07
Quad Summarv:	Saxon (3812146/497B)			
County Summary:				
Lat/Long:	38.47465º/-121.69828º		Township	: 07N
	Zone-10 N4259283 E613549	Magazia a David 1. O	Range:	
Elevation:	80 meters 25 ft	Mapping PrecisionS Symbol Type:P		
Location:	JUST NW OF THE JUNCTION OF MAXWE	ELL LANE AND ROAD 104, APPRO	XIMATELY 8 MI SOUTH OF DAVIS.	
Ecological	HABITAT IS AN OPEN, GRASSY FIELD D SURROUNDING AGRICULTURAL FIELDS			
Threat:	4/4/1992 - NEIGHBORING LANDOWNER	INDICATED THAT THIS SITE IS SO	HEDULED FOR DEVELOPMENT. 5/5/2	003 NO DEVELOPMENT SEE
General:	ALTHOUGH FAIRLY UNDISTURBED, LAN AND AT LEAST TWO YOUNG EACH OBS SEEN.			

burrowing owl Statu	IS ———		—— N	DDB Element Ranks		Code: ABNSB10010 Other Lists		
Federal: None State: None				Global: G4 State: S2		CDFG Stat	us: SC	
	ORY ANNUAL OR				DS CHARACTERIZED B OST NOTABLY, THE CA			
Occurrence No. Occ Rank: Origin:		Map Index:	21534	EO Inde	:: 19692		Element:	st Seen 1989-07-02 2003-05-05
Presence:	Presumed Extant Unknown					Record Last		2003-05-07
Quad Summary: County Summary:	Saxon (3812146/- Solano	497B)						
UTM: Radius:	38.38207º / -121. Zone-10 N42489 80 meters				isionSPECIFIC	Township: Range: Section:	02E 11	Qtr: NW
Location Detail	JUST SOUTH OF BURROW SITE L	OCATED IN A	PILE OF OLD	/ITH OLD SACRAMENT PIPES UNDER THE PC	<b>Fype:</b> POINT O NORTHERN RR TRAC WERLINES, NEXT TO A PONDS, AND WATER P	POWER POLE.		TH OF LIBERTY FAF
-	7/2/1989-TWO BI				ONE OF UNKNOWN AGE		VERE SEE	N.
Presence:			21528	EO Inde	:: 9597		Site:	st Seen 1989-07-02 2003-05-05 : 2003-05-07
	Saxon (3812146/-	497B)					-	
Lat/Long: UTM:	38.44687º / -121. Zone-10 N42561 3/5 mile				isionNON-SPECIFIC Fype:POINT	Township: Range: Section: Meridian:	02E 13	Qtr: SW
					(NORTH), BUCKLEY RI	. ,		
-	SIDE OF HACKM	IAN ROAD POT	ENTIAL BUR	ROW SITE.	LTURE IS STILL PRESE			
Owner/Manager:	THE VICINITY. 5/				, <b>,</b>	<i>µ</i>		
Occurrence No. Occ Rank: Origin:		Map Index:	21529	EO Inde	:: 19658		Dates La Element: Site:	1989-07-02
	Presumed Extant Unknown					Record Last	Updated:	2003-05-07
Quad Summary: County Summary:	Saxon (3812146/- Solano	497B)						
UTM:	38.43183º / -121. Zone-10 N425450 1/5 mile 25 ft				isionNON-SPECIFIC Fype:POINT	Township: Range: Section: Meridian:	02E 23	Qtr: 3E
					TH SIDE, APPROXIMATE	ELY 10 MI EAST OF DI		

burrowing owl			Element Code: ABNSB10010		
Federal: None	us	NDDB Element Ranks Global: G4	Other Lists		
State: None		State: S2	CDFG Stat	us: 50	
	ssociations ———				
	DRY ANNUAL OR PERENIAL GRASSLANDS	S DESERTS & SCRUBIANDS CHARA			
	RRANEAN NESTER, DEPENDENT UPON BI				•
Occurrence No	. 136 Map Index: 21530	EO Index: 19657		Dates Las	st Seen
Occ Rank					1989-07-02
-	: Natural/Native occurrence			Site:	2003-05-05
	: Presumed Extant : Unknown		Record Last	Updated:	2003-05-07
	: Saxon (3812146/497B)				
County Summary	Solano				
	: 38.42421º/-121.71969º		Township:		
	Zone-10 N4253660 E611759	Manualu a Basalala a NON	Range:		
Elevation	: 1/5 mile : 30 ft	Mapping PrecisionNON- Symbol Type:POIN			Qtr: NE
Location	: ON THE EAST SIDE OF BUCKLEY ROAD,	BETWEEN MIDWAY RRAD & THOMS	EN ROADS, 10 MI EAST OF DIXON		
Location Detai	I: OWLS UTILIZE AREA BEHIND HOUSES F	OR PERCHING AND FORAGING.			
Ecologica	I: SURROUNDING HABITAT CONSISTS OF PRESENT.	AGRICULTURAL/FALLOW FIELDS. 5/	5/2003 SITE IS STILL AGRICULTUR.	AL LAND, H	HOUSES ARE STILL
General	: TWO ADULTS OBSERVED PERCHED ON HIGH GREEN GRASS FROM LATE RAINS		0 TO BE NEARBY. 5/5/2003- 0 BIRD	S OBSERV	ED, PROBABLY DUE
Owner/Manager					
0		EO la La SOGE		Dates Las	st Soon
Occurrence No Occ Rank		EO Index: 5305			1996-07-19
	: Natural/Native occurrence				1996-07-19
•	Presumed Extant				
Trends	Stable		Record Last	Updated:	1996-09-11
Quad Summary	: Saxon (3812146/497B)				
County Summary	: Solano, Yolo				
-	: 38.38743º / -121.69300º		Township:		
	Zone-10 N4249611 E614147 : 80 meters	Mapping PrecisionSPEC	FIC Section:		Qtr: SW
Elevation		Symbol Type:POINT			QU. 3W
Location	I: NORTH SIDE OF ROAD 155, EAST OF WE	ST LEVEE ROAD, APPROXIMATELY	13 MILES SE OF DIXON.		
Ecologica	I: SURROUNDING HABITAT CONSISTS MO	STLY OF FALLOW FIELDS AND IRRIG	ATED PASTURELAND.		
General	: HISTORICAL LOCATION. 1 ADULT OBSEF BURROW; 5 YOUNG AND 2 OF UNKNOW				
Owner/Manager	: PVT				
Occurrence No	. 138 Map Index: 21531	EO Index: 8351		Dates Las	st Seen
Occ Rank	Excellent				1996-07-23
<b>•</b> · · ·	Natural/Native occurrence			Site:	2003-05-05
•	: Presumed Extant		Record Last	Updated:	2003-05-07
Presence	: Unknown		Neoora East		
Presence: Trend:	: Unknown : Saxon (3812146/497B)				
Presence: Trend:	: Saxon (3812146/497B)				
Presence: Trend: Quad Summary County Summary	: Saxon (3812146/497B) /: Yolo			07N	
Presence: Trend: Quad Summary County Summary Lat/Long	: Saxon (3812146/497B)		Township: Range:		
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area:	: Saxon (3812146/497B) /: Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres	Mapping PrecisionSPEC	Township: Range: FIC Section:	03E 30	Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: Saxon (3812146/497B) /: Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres	Mapping PrecisionSPEC Symbol Type:POLY	Township: Range: FIC Section:	03E 30	Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	: Saxon (3812146/497B) /: Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres	Symbol Type:POLY	Township: Range: FIC Section: GON Meridian:	03E 30 M	
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	: Saxon (3812146/497B) r: Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres : 20 ft	Symbol Type:POLY DMSEN ROAD AND MIDWAY ROAD, 1 TCH AND PASTURE. NUMEROUS BL	Township: Range: FIC Section: GON Meridian: 2 MI EAST OF DIXON. 2003- POSTI	03E 30 M ED WITH N	O TRESPASSING.
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	: Saxon (3812146/497B) : Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres : 20 ft : EAST SIDE OF ROAD 104, BETWEEN THO I: OWLS INHABIT FENCELINE BETWEEN DI THE IRRIGATION DITCH WHICH RUNS W I: HABITAT IS SHORT, DRY GRASSLAND, S	Symbol Type:POLY DMSEN ROAD AND MIDWAY ROAD, 1 TCH AND PASTURE. NUMEROUS BL EST-EAST ACROSS THE FIELD.	Township: Range: FIC Section: GON Meridian: 2 MI EAST OF DIXON. 2003- POSTI RROWS ARE FOUND IN BOTH THE	03E 30 M ED WITH N E NORTH A	O TRESPASSING. IND SOUTH LEVEES
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai	: Saxon (3812146/497B) : Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres : 20 ft : EAST SIDE OF ROAD 104, BETWEEN THO I: OWLS INHABIT FENCELINE BETWEEN DI THE IRRIGATION DITCH WHICH RUNS W I: HABITAT IS SHORT, DRY GRASSLAND, S GRAZED GRASS NEARBY.	Symbol Type:POLY DMSEN ROAD AND MIDWAY ROAD, 1 TCH AND PASTURE. NUMEROUS BL EST-EAST ACROSS THE FIELD. URROUNDED BY DRY PASTURE AN	Township: Range: FIC Section: GON Meridian: 2 MI EAST OF DIXON. 2003- POSTI RROWS ARE FOUND IN BOTH THE D AN AGRICULTURAL DITCH. IN 20	03E 30 M ED WITH N E NORTH A	O TRESPASSING. IND SOUTH LEVEES
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai Ecologica Threat	: Saxon (3812146/497B) : Yolo : 38.42196° / -121.68992° Zone-10 N4253446 E614361 : 22.4 acres : 20 ft : EAST SIDE OF ROAD 104, BETWEEN THO I: OWLS INHABIT FENCELINE BETWEEN DI THE IRRIGATION DITCH WHICH RUNS W I: HABITAT IS SHORT, DRY GRASSLAND, S	Symbol Type:POLY DMSEN ROAD AND MIDWAY ROAD, 1 TCH AND PASTURE. NUMEROUS BL EST-EAST ACROSS THE FIELD. URROUNDED BY DRY PASTURE AN ELATED TO LEVEE REPAIR. AREA IS	Township: Range: FIC Section: GON Meridian: 2 MI EAST OF DIXON. 2003- POSTI RROWS ARE FOUND IN BOTH THE D AN AGRICULTURAL DITCH. IN 20 GRAZED.	03E 30 M ED WITH N E NORTH A 03 HARVE	O TRESPASSING. IND SOUTH LEVEES STED ALFALFA AND

burrowing owl Statu		NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None		Global: G4 State: S2	CDFG Sta	tus: SC	
General: OPEN, I	SSOCIATIONS DRY ANNUAL OR PERENIAL GRASSLAND RRANEAN NESTER, DEPENDENT UPON B				
Occurrence No. Occ Rank:	Unknown	<b>EO Index:</b> 9969			st Seen 1990-06-30 2003-05-05
Presence:	: Natural/Native occurrence : Presumed Extant Unknown		Record Las		2003-05-07
Quad Summary: County Summary	: Saxon (3812146/497B) : Yolo				
UTM: Radius:	38.41916° / -121.66267° Zone-10 N4253170 E616745 1/5 mile	Mapping PrecisionNC		03E 29	Qtr: SE
Elevation:		Symbol Type:PO		М	
Location Detail Ecological	: NORTH SIDE OF ROAD 152, EAST OF VA I:OWLS INHABIT GRASSY DITCH ADJACE I: SURROUNDING LAND USE IS AGRICULT	NT TO SHEEP PASTURE. IURE/GRAZING. 5/5/2003 GRASSL/	AND WITH POWER LINES OVER HEAD		
General: Owner/Manager:	: 6/30/1990 - TWO ADULTS AND FOUR JU\ RAINS HIDING BURROWS. : DFG	VENILES OBSERVED. 5/5/2003- 0 B	IRDS OBSERVED, PROBABLY DUE T	O HIGH GR	EEN GRASS FROM
Occurrence No.	. 140 Map Index: 21527	EO Index: 9598		Dates Las	st Seen
Occ Rank: Origin:	•			Element:	1990-06-30 2003-05-05
	Unknown		Record Las	t Updated:	2003-05-07
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano				
UTM: Radius:	38.45632º / -121.71817º Zone-10 N4257225 E611842 1/5 mile	Mapping PrecisionNC		02E 14	Qtr: NE
Elevation:		Symbol Type:PO			
Location Detail	: EAST SIDE OF BUCKLEY ROAD, JUST NO I:6/30/1990 OWL LOCATED IN AN OVERGE CROPS AND TALL GRASS NEARBY, BAR	ROWN AREA AROUND AN OLD BA RN APPEARS TO BE GONE, OR IS I	RN, WITH A NEARBY DITCH FULL OF		WATER. 5/5/2003 GF
	I: SURROUNDING HABITAT IS AGRICULTU : 6/30/1990 ONE ADULT OBSERVED; BURF : UNKNOWN		RBY. 5/5/2003 NO OWLS WERE SEEN	I.	
Occurrence No. Occ Rank: Origin:	•	EO Index: 1969	1 —		<b>st Seen</b> 1990-06-30 1990-06-30
	Presumed Extant Unknown		Record Las	t Updated:	2000-10-23
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano				
UTM:	28.37869° / -121.74563° Zone-10 N4248577 E609563 1/5 mile 20 ft	Mapping PrecisionNC Symbol Type:PO		02E 10	Qtr: SW
Land	: ALONG THE EAST SIDE OF SIKES ROAD	, BETWEEN TREFOIL ROAD AND I			
Location Detail	I: INHABITING AN AREA WITH LARGE CHU I: SURROUNDING FORAGING HABITAT CC				

burrowing owl	us ————	- NDDB Element Ranks ——— Global: G4	Element Code: ABNSB10010 Other Lists	
State: None	ssociations —	State: S2	CDFG Statu	5: 50
General: OPEN,	DRY ANNUAL OR PERENIAL GRASSLAND RRANEAN NESTER, DEPENDENT UPON			
Occurrence No		EO Index: 7322		Dates Last Seen
-	None Natural/Native occurrence Possibly Extirpated		E	Site: 1992-05-07
	Unknown		Record Last	Jpdated: 1993-07-15
Quad Summary County Summary	: Denverton (3812128/481B) /: Solano			
-	38.22334° / -121.97889° Zone-10 N4231088 E589379		Township: Range:	
	80 meters	Mapping PrecisionSP Symbol Type:PO	ECIFIC Section:	04 Qtr: NE
Location	: WEST SIDE OF POTRERO HILLS LANE,	0.6 MILE SE OF THE JUNCTION OF	SCALLEY ROAD AND HWY 12, SE OF I	AIRFIELD.
	II: BURROW IS LOCATED IN A RUBBLE PII II: HABITAT SURROUNDING BURROW SIT			PRESSION
-	BURROW IS LOCATED IN AN EXPANSIO			
General	: A SINGLE BIRD WAS OBSERVED ON 15	OCT 1991 AND AGAIN ON 25 FEB	1992; BURROW APPEARED TO BE INAC	TIVE ON 7 MAY 1992.
Owner/Manager	: PVT-SOLANO GARBAGE CO			
Occurrence No	•	EO Index: 1676		Dates Last Seen
Occ Rank Origin	: Fair : Natural/Native occurrence		E	lement: 1992-01-07 Site: 1992-01-07
	Presumed Extant Decreasing		Record Last	Jpdated: 1993-09-08
Quad Summary County Summary	: Dozier (3812137/498D) <b>:</b> Solano			
-	38.37066° / -121.80154° Zone-10 N4247621 E604691		Township: Range:	
	: 1/5 mile	Mapping PrecisionNC Symbol Type:PO	N-SPECIFIC Section:	18 <b>Qtr:</b> NW
Location	EAST SIDE OF PEDRICK ROAD, 1.3 MIL	ES NORTH OF BINGHAMTON ROAD	D, 5 MILES SSE OF DIXON.	
Ecologica	I: HABITAT CONSISTS OF ANNUAL GRAS HABITAT CONSISTS OF IRRIGATED CR		L SHALLOW, INTERMITTENT DRAINAG	E COURSES. SURROUNDING
	POSSIBLE THREAT FROM OIL/GAS EXF			
General Owner/Manager	: ON FIRST VISIT TO THIS SITE ON 7 SEF : UNKNOWN	9 1989, 12 OWLS WERE PRESENT.	3 INDIVIDUALS OBSERVED AT BURRO	V SITE IN 1992.
Occurrence No	. 147 Map Index: 23674	EO Index: 1675	2	Dates Last Seen
	: Unknown : Natural/Native occurrence		E	lement: 1992-05-18 Site: 2003-05-05
Presence	Presumed Extant Unknown		Record Last	Jpdated: 2003-08-22
Quad Summary County Summary	: Allendale (3812148/498B) <i>:</i> Solano			
-	: 38.47834º / -121.94776º		Township:	
	Zone-10 N4259414 E591781 : 80 meters : 110 ft	Mapping PrecisionSP Symbol Type:PO		02 <b>Qtr:</b> 3
	: WEST OF I-505, 2 MILES NORTH OF SW			
	II: BURROW IS LOCATED IN THE NORTH I			
General	WAS OBSERVED. RETURN VISIT (18 M			

urrowing owl State	ıs ———		NDDB Element Ranks -	Element Code:	Other Lists		
Federal: None State: None			Global: G4 State: S2		CDFG Stat	us: SC	
Habitat As							
			DS, DESERTS & SCRUBLAND BURROWING MAMMALS, MO				
Occurrence No.	172 <b>Ma</b>	p Index: 23879	EO Index:	16116		Dates Las	st Seen ———
Occ Rank:							1989-07-01
•	Natural/Native occurred	nce				Site:	1989-07-01
	Presumed Extant Unknown				Record Last	Updated:	1993-07-28
-	Allendale (3812148/49	8B)					
County Summary	: Solano						
	38.40178º / -121.8822				Township:		
	Zone-10 N4250986 E5 1/5 mile	191 990	Mapping Precis	ionNON-SPECIFIC	Range: Section:		Qtr: NE
Elevation			Symbol Ty		Meridian:		
Location	SOUTH SIDE OF WEE	BER ROAD, 0.8 MIL	ES EAST OF LEWIS ROAD, 6.	5 MILES NE OF VACAVILLE.			
Ecological	HABITAT CONSISTS	OF ANNUAL GRAS	SLAND, DOMINATED BY WILL	DOATS.			
General:	ONE ADULT OBSERV	ED.					
Owner/Manager							
Occurrence No.	173 <b>Ma</b>	p Index: 23878	EO Index:	7349		Dates Las	st Seen
Occ Rank:							1990-06-30
-	Natural/Native occurred	nce				Site:	1990-06-30
	Presumed Extant Unknown				Record Last	Updated:	2000-10-26
Quad Summary:	Liberty Island (381213	6/497C)					
County Summary	: Solano						
-	38.35874º / -121.7458				Township:		
	Zone-10 N4246363 E6 1/10 mile	09574	Monning Provid	ionNON-SPECIFIC	Range: Section:		Qtr: SW
Elevation			Symbol Ty		Meridian:		<b>Q</b> (1. 5W
Location	NORTH SIDE OF SWA	N ROAD, 1.3 MILE	S WEST OF WINSHIP ROAD,	WEST OF THE YOLO BYPAS	S.		
Location Detail	BURROWS ARE LOC	ATED IN A GRAVEL	PILE IN THE VICINITY OF NA	TURAL GAS TANKS.			
Ecological	SURROUNDING FOR	AGING HABITAT CO	ONSISTS OF SHEEP AND CA	TTLE PASTURE.			
General:	BURROW WITH LOTS	OF WHITEWASH	AND 2 ADULT OWLS OBSER\	/ED.			
Owner/Manager							
Occurrence No.	174 <b>Ma</b>	p Index: 24512	EO Index:	6652		Dates Las	st Seen
Occ Rank:							1990-06-30
-	Natural/Native occurred	nce				Site:	1990-06-30
	Presumed Extant Unknown				Record Last	Updated:	1993-07-29
Quad Summary:	Saxon (3812146/497B)	, Liberty Island (381	2136/497C)				
County Summary	Solano, Yolo						
-	38.37670º / -121.6945				Township:		
	Zone-10 N4248418 E6 1/5 mile	14026	Manning Procis	ionNON-SPECIFIC	Range: Section:		Qtr: SE
Elevation:			Symbol Ty		Meridian:		-a,d.JL
Location	WEST SIDE OF WEST	LEVEE ROAD, 0.3	MILE NORTH OF DELHI ROA	D, WEST OF THE YOLO BYP	ASS.		
Location Detail	SEVERAL BURROWS	LOCATED IN THE	WEST SLOPE OF THE LEVER	ROAD.			
General:	SEVERAL BURROWS OWL OBSERVED.	, ONE WITH PELLE	TS, AN OWL WING, NESTING	MATERIAL, AND SMALL MA	MMAL BONES	OUT FRON	IT, AND ONE AD

Batus         NODE Bernarn Ranks         Other Construction           Peters         Batus         CDP3 Batus         SC           Demonstration         Batus         SC         DDP3 Batus         SC           Demonstration         Batus         SC         DDP3 Batus         SC           Demonstration         Batus         SC         DDP3 Batus         SC           Demonstration         Batus         SC         DDP3 Batus         SC           Occurrence No. 73         Map bates         2611         ED bates         Batus         SC           Occurrence No. 73         Map bates         2611         ED bates         Batus         SC         DD bates         Batus         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         DD bates         SC         SC         SC         DD bates	burrowing owl			ement Code: ABNSB10010
Generatic OPEN, DRY, ANNUAL, CR PREPARUL, GRASSLANDS, DESERTS & SCRUELANDS CHARACTERIZED BY LOW-CROWING VERTICAN.         Main Index: State Transmission Control (State State Struet International State S	Federal: None	IS		CDFG Status: SC
Micro: SUBTERANEAN NESTER, DEPENDENT UPON BURROWING MAMALE, MOST NOTAELY, THE CALIFORNIA GROUND SQUIRREL OCCURRENCE NO. 75 Map Index: 2311 ED Index: 655	Habitat As	sociations —		
Occurrence No. 175         Map Index: 24511         ED Index: 6655         — Dates Last Seen           Occarrence No. 175         Map Index: 24511         ED Index: 6655         — Bitterment: 100:09-30           Origin: NauraNiele courrence         Bitte: 2003-56-56         Presence: Presumed Estimit         Termet: Unition           Termet: Unition         Record Last Updated: 2003-56-59         Record Last Updated: 2003-56-59           Quad Summery: Source (Strategy Courrence)         Presence: Presumed Estimit: Termet: Market Strategy Courrence         Presence: Presumed Estimit: Termet (Market Strategy Courrence)           LastRong: 30.30397 / 121.23297 / Termetally: CMH         Presence: Presumed Estimit: Termetally: CMH         Presence: Presumed Estimit: Termetally: CMH           LastRong: 30.30397 / 121.23297 / Termetally: CMH         Presence: Presence	General: OPEN, [	ORY ANNUAL OR PERENIAL GRASSLAND	DS, DESERTS & SCRUBLANDS CHARACTER	ZED BY LOW-GROWING VEGETATION.
Oc. Resic:         Unitability of the source of the so	Micro: SUBTER	RANEAN NESTER, DEPENDENT UPON	BURROWING MAMMALS, MOST NOTABLY, T	HE CALIFORNIA GROUND SQUIRREL.
Oor Reak:       Unknown       Element:       1990-09-09         State:       2003-06-05         Presence:       Presume:       2003-06-05         County Summary:       State:       2003-06-05         County Summary:       State:       2003-06-05         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       1000-000         County Summary:       State:       State:       1000-000         County Summary:       State:       State:       State:       1000-000         County Summary:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:       State:	Occurrence No.	175 Man Index: 24511	EO Index: 6655	Dates Last Seen
Presime: Presume Exam: Text: Unixon: Record Last Updated: 2003-04-02 Quad Summary: Saxon (38121464976) County Summary: Saxon (38121646976) County Summary: Saxon (38121646976) County Summary: Saxon (38121646976) County Summary: Saxon (38121646976) County Summary: Saxon (38121646976) County Summary: Saxon (381216649776) County Summary: Saxon (381216649776) County Summar				Element: 1990-06-30
Tend:         Unixoum         Record Last Updated:         200-30-30           Quad Summary:         Sance (381/246/49/26)         Township:         Office           County Summary:         Sance (381/246/49/26)         Township:         Office           Lattleng:         Sance (381/246/49/26)         Township:         Office           Elevation:         201         Sance (201/246/49/26)         Township:         Office           Elevation:         201         Sance (201/246/49/26)         Township:         Office           Location:         NOP THE NORTHEEM PACIFIC RALE/00AD TRACKS. ABOUT 035 MINE OF TELES, RADA AND PR INTERSECTION, 15 MILES S OF DAVIS.         Location: NOP THE NORTHEEM PACIFIC RALE/00AD TRACKS. ABOUT 035 MINE OF TELES, RADA AND PR INTERSECTION, 15 MILES S OF DAVIS.           Location:         Marping Precision/NON SPECIFIC         Sector 148/145         Sector 148/145           Occ.         Rada MIACT, Hold CREEN GRASS DUE TO LATE MAINS MAY HAVE HIDDEN BURKOWS.         Township:         Sector 148/145           Occ.         Rada MIACT, Hold CREEN GRASS DUE TO LATE MAINS MAY HAVE HIDDEN BURKOWS.         Elevation:         190: 040/04           Occ.         Rada MIACT, Hold CREEN GRASS DUE TO LATE MAINS MAY HAVE HIDDEN BURKOWS.         Elevation:         190: 040/04           Occ.         Rada MIACT, Hold CREEN GRASS DUE TO LATE MAINS MAY HAVE HIDDEN BURKOWS.         Eleva	•			Site: 2003-05-05
Qued Summary: Basic (S12146/978)           County Summary: Basic (S12146/978)           Lettoms: Status: 55 miles           Lettoms: Status: 55 miles           Mapping Precision/ON-SPECIFIC           Section: IV           County Summary: Basic (S12146/978)           Lection: Review: Coll           Section: IV           County Summary: Basic (S12146/978)           Lection: Review: Coll           Section: IV           County Summary: Basic (S12146/978)           Lection: Detail:BURROW REF LOCATE DO A SMALL LEVER BANK ON THE VESCH ON A FIRE RESCTION, 15 MILES S OF DAVIS.           Lection: Detail:BURROW REF LOCATE DO A SMALL LEVER BANK ON THE VESCH ON OF TRANSMISSION LINES.           General: APPROXIMATELY 10 INDIVIDUALS (DESERVED: CONSISTING OF AT LEAST 2 FAMLY GROUPS, DURING A 1980 SURVEY. 55/2000 HABITAT APPEARS MACT, INCH GREEN GRASS DUE TO LATE RAINS MAY HAVE HIDDEN BURROWS.           Owner/Manage: UNRING VIENCOM           Occurrence Inc. 177         Map Index: 2614         EO Index: 6657         Date Last Seen           Occurrence: Presention Extent         Section: 31         Gtr: X           Mapping Precision/ON SPECIFIC         Section: 31         Gtr: X           Mapping Precision/ON SPECIFIC         Section: 31         Gtr: X           Mapping Precision/ON SPECIFIC         Section: 31         Gtr: X           Mapping Preci				Record Last Undated: 2003-05-09
County Summary: Soland LukLong: 36,386567-121,728797 UTK: Zon-10-NA24M402 E511023 Radue: 150 mls Symbol Typer/ONT Range: 02E Socion: 11 Cur: VV Benetister: VD CT-the NORT-HERN PACIFIC RAILROAD TRACKS, RADUIT 0.35 MIR 0F FT22L ROAD AND RE INTERSECTION, 15 MILES S OF DAVIS. Location beatil: SUPROWS WORE LOCATED ON A SMALL LEVEE BANK, ON THE WEST SIDE OF THE ROW OF TRANSMISSION LINES. General: APPEARS INTACT, HORI-GEN GRASS DUE TO LATE MAINS MAY HAVE HIDDEN BURROWS. Convertiginary: DNNOT David David David State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 FTRANSMISSION LINES. Convertiginary: DNNOT David David Dasser Orden 2000 State of the County Section 2000 State of the Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County Section 2000 State of the County				
LakLong: 38.38895/1-121.72879 <sup>6</sup> LTM: Con-10 N424402 601 1023 Mapping Precision/UNK-SPECIFIC Range: 002 002; WW Elevation: 20 11 002; WW Elevati		· ,		
UTIX: Zone-10 M4249402 BE11023 Mapping PrecisionNON-SPECIFIC Sectors: 11 OUT: WW Elevation: 20 fb Gr. WW Elevation: 20 fb Gr. WW OF THE NORTHERN PACIFIC RALEOAD TRACKS, ABOUT 0.25 MI NE OF ETZEL ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS. Location: NW OF THE NORTHERN PACIFIC RALEOAD TRACKS, ABOUT 0.25 MI NE OF ETZEL ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS. Location: NW OF THE NORTHERN PACIFIC RALEOAD TRACKS, ABOUT 0.25 MI NE OF ETZEL ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS. Location: Dealit-BURROWS WERE LOCATED ON A SMALL LEVEE BAAK, ON THE WEST SIDE OF THE ROW OF TRANSMISSION LINES. General: APPCRAIMATELY 10 INDIVIDUALS OBSERVED. CONSISTING OF AT LEAST 2 FAMILY GROUPS, DURING A 1980 SURVEY. 55/2000 HABITAT APPCRAIMAGES INTACT. HIGH GREEN GRASS DUE TO LATE RANS MAY HAVE HIDDEN BURROWS. Owner/Manager: UNKNOWN  Occurrence No. 177 Map Index: 24514 E0 Index: 6057Dates Last Seen				Township: 06N
Elevation:     201     Symbol TypePOINT     Meridian:     M       Location:     NW OF THE NORTHERN PACIFIC RAILERADA TRACKS, AROUT 0.35 M INE OF ETZEL ROAD AND RA INTERSECTION. 15 MILES S OF DAVIS.     Location: NW OF THE NORTHERN PACIFIC RAILERADA TRACKS, AROUT 0.35 M INE OF ETZEL ROAD AND RA INTERSECTION. 15 MILES S OF DAVIS.       Location:     More Transmission Verse Location On S MALL LEVE EVER STRUC OF TRANSMISSION UNES.     General: APPROXIMATELY 10 INDIVIDUALS OBSERVED, CONSISTING OF AT LEAST 2 FAMILY GROUPS, DURING A 1990 SURVEY. 55/2000 HABITAT CAST.       Order Ramis:     Fair     Map Index: 24514     ED Index: 6657     Dates Last Seen       Occurrence No. 177     Map Index: 24514     ED Index: 6657     Dates Last Seen       Occurrence No. 177     Map Index: 24514     ED Index: 6657     Dates Last Seen       Terme:     Unknown     Record Last Updated: 2006-03-03       Outad Summary:     Saxon (3812146/497B), Davis (3812156/513C)     Range: 03E       Location:     Gold Guide Guid				•
Location: NW OF THE NORTHERN PACIFIC RAILCOAD TRACKS, ABOUT 9, 20 Min 20 F ETZEL ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS. Location Dealis BURROWS WERE LOCATED ON A SMALL LEVEE BANK, ON THE WEST BIDE OF THE ROW OF TRANSMISSION LINES. General: APPROXIMATELY 10 INDIVIDUALS OBSERVED, CONSISTING OF AT LEAST 2 FAMILY GROUPS, DURING A 1980 SURVEY. 56/2000 HABITAT APPEARS MITACT, HIGH GREW GRASS DUE TO LATE ROMS MAY HAVE HIDDEN BURROWS. Owner/Manager: UNKNOWN Occurrence No. 177 Map Index: 24514 E0 Index: 6657 Dates Last Seen Occamare, Presumed Estant Trend: Unknown Record Last Updated: 2008/03/03 Quad Summary: Ston( )81/2140497B), Davis (38/21506/13C) County Summary: Ston( )81/2140497B), Davis (38/21506/13C) County Summary: Ston( )81/2140497B), Davis (38/21506/13C) County Summary: Ston( )81/2140497B), Davis (38/21506/13C) County Summary: Ston( )81/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/21506/13C) County Summary: Ston( )82/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B), Davis (38/2140497B)				
Lecation Detail:BURROWS WERE LOCATED ON A SMALL LEVEE BANK, ON THE WEST SIDE OF THE ROW OF TRANSMISSION LINES. General: APPROXIMATELY 10 INDIVIDUALS OBSERVED, CONSISTING OF AT LEAST 2 FAMILY ROUPS, DURING A 1990 SURVEY. 56/2000 HABITAT APPRABM SINTACT, HICH GREEN GRASS DUE TO LATE RAINS MAY HAVE HIDDEN BURROWS. Owner/Manager: UNKNOWN Courrence No. 177 Map Index: 24514 E0 Index: 6667 Dates Last Seen Occ Rank: Fair Occ Rank: Fair Occ Rank: Fair Occ Rank: County Stand Zatatit Tenet: Unknown Record Last Updated: 2008-03-03 County Summary: Yolo, Solano County Summary: Yolo	Elevation:	20 ft	Symbol Type:POINT	Meridian: M
General: APPROXIMATELY 10 INDIVIDUALS OBSERVED, CONSISTING OF AT LEAST 2 FAMILY GROUPS, DURING A 1990 SURVEY. 55/2000 HABITAT         APPEARS INTACT, HICH GREEN GRASS DUE TO LATE RAINS MAY HAVE HIDDEN BURROWS.         Owner/Manager: UNKNOWN         Cocurrone No. 177       Map Index: 24514       EO Index: 6657	Location	NW OF THE NORTHERN PACIFIC RAILF	OAD TRACKS, ABOUT 0.35 MI NE OF ETZEL	ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS.
APPEARS INTACT, HIGH GREEN GRASS DUE TO LATE RAINS MAY HAVE HIDDEN BURROWS. Covering Manager: UNKNOWN  Occurrence No. 177 Map Index: 24514 ED Index: 6657	Location Detail	BURROWS WERE LOCATED ON A SMA	LL LEVEE BANK, ON THE WEST SIDE OF TH	E ROW OF TRANSMISSION LINES.
Owner/Manager: UNKNOWN         Occurrence No. 177       Map Index: 24514       EO Index: 6657       — Dates Last Seen         Occ Rank: Fair       Element: 1993-08-08       Bite: 2003-06-05         Origin: NaturalNative occurrence       Stite: 2003-06-05         Presence: Presumed Extant       Record Last Updated: 2008-03-03         Trend: Unknown       Record Last Updated: 2008-03-03         Quad Summary: Saxon (3812146/497/B), Davis (3812156/513C)       Range: 036         County Summary: Volo, Solano       Range: 036         LavUong: 83.49418/ -121.68648*       Township: 08N         UTM: Zone-10 HA251465 E614547       Range: 036         Area:       Symbol Type-POLYGON         Bevarion: SLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 65 MI S OF DAVIS, YOLO REGIONAL GRASSLANDS PRK ON WES         Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 65 MI S OF DAVIS, YOLO REGIONAL GRASSLANDS PRK ON WES         Location: Belance RANK, ARAMENTO VALLEY SANING SOCIETY, WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLAND, 2003: STE IS SIGNED AS XFEDERALLY PROVINCATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLAND, 2003: STE IS SIGNED AS XFEDERALLY REAL PROVINCE TO ANTICRONATA & NEXTO YOLO REGIONAL GRASSLAND, 2003: STE IS SIGNED AS XFEDERALLY PROVINCE TO ANTICRONATA & NEXTO YOLO REGIONAL GRASSLAND, 2003: STE IS SIGNED AS XFEDERALLY PROVINCE TO A DATE RANK AND SIGN OF DISKING AG TE EXTRY YOLO SIGNED YOLO YOLO REAL AS JUV OSS, WISIDE OF EN REAL SIGNED YOLO YOLO REAL AS JUV OSSI, WISI	General:			
Occurrence No. 177         Map Index:         24514         EO Index:         6657         — Dates Last Seen           Occ Rank:         Fair         Bitement:         1983-08-09         Site:         2003-05-05           Presence:         Presence:         Record Last Updated:         2008-03-03           Quad Summary:         Saking (3812166/613C)         Record Last Updated:         2008-03-03           Quad Summary:         Saking (3812166/613C)         Record Last Updated:         2008-03-03           County Summary:         Saking (3812166/613C)         Range:         035           County Summary:         Solaino         Township:         08N           Last/Long:         38.494189/ -121.686489         Township:         08N           UTM:         Zone-10 N4281465 E614547         Range:         036         Section: 31         Qtr: XX           Receire:         Global ColMAUCATIONS PECIFIC         Section: 31         Qtr: XX         Receire: An Addition:         M           Location:         GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 M IS OF DAVIS, VIOL REGIONAL GRASSLANDS PRK N WES         Location brait-Busing Township:: ColMaunicAtion S FACILITY. WESTERN ACCESS IS OFF MACE RD VOLO           Record Last Updated:         Addition ColMaunicAtion S ACILITY.         Section ColMaunicAtion ColMaunicAtion Additi		APPEARS INTACT, HIGH GREEN GRAS	S DUE TO LATE RAINS MAY HAVE HIDDEN B	URROWS.
Core Ram:       Fair       Emment:       1993.08-06         Origin:       Natural/Native occurrence       Site:       2003-05-05         Presence:       Presumed Extent       Record Last Updated:       2008-03-03         Quad Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Record Last Updated:       2008-03-03         Quad Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Township:       08N         County Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Section:       31       Qtr: XX         Mapping PrecisionNOM-SPECIFIC       Section:       31       Qtr: XX         Elevation:       25 ft       Mapping PrecisionNOM-SPECIFIC       Section:       31       Qtr: XX         Elevation:       20 ft       Strinton Nathon	Owner/Manager:	UNKNOWN		
Core Ram:       Fair       Emment:       1993.08-06         Origin:       Natural/Native occurrence       Site:       2003-05-05         Presence:       Presumed Extent       Record Last Updated:       2008-03-03         Quad Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Record Last Updated:       2008-03-03         Quad Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Township:       08N         County Summary:       Saxon (3912146/4976); Davis (3812156/513C)       Section:       31       Qtr: XX         Mapping PrecisionNOM-SPECIFIC       Section:       31       Qtr: XX         Elevation:       25 ft       Mapping PrecisionNOM-SPECIFIC       Section:       31       Qtr: XX         Elevation:       20 ft       Strinton Nathon	Occurrence No.	177 Man Index: 2/51/	EO Index: 6657	Dates Last Seen
Origin: Natural/Native occurrence       Site: 2003-05-05         Presence: Presumed Estant:       Record Last Updated: 2008-03-03         Quad Summary: Saxon (3812146/4978), Davis (3812156/513C)       County Summary: Volo, Solano         LavLong: 38.494189/-121.88848/*       Township: 08N         LavLong: 38.494189/-121.88848/*       Township: 08N         LavLong: 38.494189/-121.88848/*       Township: 08N         Levation: 25 ft       Symbol Type/POLYGON         Meridian: M       Meridian: M         Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 65 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WESS         Location: Buil-BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PRK ON WESS         Location Deali-BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACHMENTO VALLEY SQARING SOCIETY (SVSS) PARKING AREA.         Ecological: HABITAT CONSISTS OF DISTURED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NECOSTAFIA OCLUSANA 2003: STE IS SIGNED AS FEDERALLY PROTECTED HABITAT AREA: GRASS WAS HIGH WITH NO SIGN OF DISKING AGTIVITES (FIREBREAN) & PESTICIDE APPLICATION TO LEAR ANTENNA PADS.         Generat: AT LEAST 4FAMIL YOROUPING OBS BS 10 1989, MOSTLY AUXONG THE ENTRY ROAD. 1990: 3 GROUPS: 3 ADULTS & JUV AUXONG THE ENTRY ROAD. 1990: 3 GROUPS: 3 ADULTS & JUV AUXONG THE ENTRY ROAD. 1990: STE OF SUBSE ARTING TAREA' SPOSES THE ROAD SUBJESSI DE TYSSOL PARKING.         O			Lo index. 0037	
Trend:         Unknown         Record Last Updated:         2008-03-03           Quad Summary:         Saxon (3812146/497B), Davis (3812156/513C)         County Summary: Yolo, Solano         Township:         08N           LattLong:         Sa.494189'./121: 68648''         Township:         08N         Range:         03E           Area:         Mapping Precision/ON-SPECIFIC         Section:         31         Qr: XX           Elevation:         25 ft         Symbol Type:POLYGON         Meridian:         M           Location:         GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SYSS) PARKING AREA.         Ecological: HABITAT CONSISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND VITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORI, MUCRONATA & NECTORIA FLOCASISTS OF DISTUBBED ANNUAL, GRASSLAND VITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NECTORIA FLOCASISTS INTO TAXES AND AND AND AND				Site: 2003-05-05
Quad Summary: Saxon (3812146/497B), Davis (3812156/513C)         County Summary: Yolo, Solano         Lat/Long: 38,49419? /-121.68648?         Township: 08N         Area:         Mapping PracisionNON-SPECIFIC         Section: 31         Quit: XX         Elevation: 25 ft         Symbol Type?POLYGON         Meridian: M         Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 65 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WESS         Location: Detait: BUROWS SPREAD THROUGHOUT THE ONE SQUARE MLLE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (VSS) PARKING AREA.         Ecological: HABITAT CONSISTS OF DISTURBED ANIULAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & MEGIONAL GRASSLANDS ON PARK, SACRAMENTO VALLEY SOARING SOCIETY (VSS) PARKING AREA.         Ecological: HABITAT CONSISTS OF DISTURBED ANIULAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & MEGIONAL GRASSLAND ADS THE SISINED AS "FEDERALLY PROTECTED HABITAT REA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AGTO VALLEY SOARING SOCIETY ROTECTED HABITAT REA". GRASS WAS HIGH WITH NO SIGN OF DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.         General: AT LEAST 4 FAMILY OR OUPINGS OBS IN 1998, MOSTLY ALONG THE ENTRY ROAD. 1990. 3 GROUPS, 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993. SECHERAL BURROWS & OWLS OBS, 2003. 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.         Owmer/Manager: DOD-MCCLELLAN AFB       Cocurr				Record Lost Undeted 2000.02.02
County Summary: Yolo, Solano Lat/Long: 33.49418/1-121.68648 <sup>1</sup> Lat/Long: 33.49418/1-121.68648 <sup>1</sup> Mapping PrecisionNON-SPECIFIC Section: 31 Cur: XX Elevation: 25 ft Mapping PrecisionNON-SPECIFIC Section: 31 Cur: XX Elevation: 32 ft County Summary: Yolo Location: GLOBAL COMUNICATIONS STATION, AT THE N END OF D105 & RD 30, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WES Location Detail: BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE: COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (VSS) PRAKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS, OTHER ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (VSS) PRAKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS, OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPPIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA": GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST Three: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS. General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993; SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING. Owner/Manager: DOD-MCCLELLAN AFB Cocurrence No. 178 Map Index: 24513 EO Index: 6656 Element: 1990-06-30 Origin: Natural/Native occurrence Site: 2003-06-07 Quad Summary: Saxon (3812146/497B) County Summary: Yolo Lat/Long: 38.47854/-121.65226 <sup>o</sup> Radius: 25 mile Mapping PrecisionNON-SPECIFIC Section: 04 Regregion 04 Regregion 04 Regregion 04 VIEW: 20.1 Coetion: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS, ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 56/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE. Ecological: HABITAT CONSISTS OF SHORT, DRY GR	Trend:	Unknown		Record Last Updated: 2008-03-03
Lat/Long: 38.49418% / -121.68648% UTM: Zone-10 N4261465 E614547 Area: Township: 08N Targe: 03E Area: Township: 08N Targe: 03E Area: Township: 08N Targe: 03E Area: Township: 08N Targe: 03E Area: Elevation: 25 ft Mapping PrecisionNON:SPECIFIC Section: 31 Qtr: XX Elevation: 25 ft Symbol Type:POLYGON Meridian: M Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WES Location Detail: BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PRK X, SACRAMENTO VALLEY SOARMOS SOCIETY (SVSS) PARKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPIA COLUSANA. 2003. SITE IS SIGNED AS 'FEDERALLY PROTECTED HABITAT AREA'. GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST AN OT AFTAR OC AST THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS. General: AT LEAST 4 FAMILY GROUPINGS DGS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1980: 3 GROUPS: 3 ADU/TS & JUV OBS, W SIDE OF EN R0. 178 Map Index: 24513 COvmer/Manager: DOD-MCCLELLAN AFB Occurrence No. 178 Map Index: 24513 CO UNES 0655 COC Rank: Unknown Courrence Site: 2003-05-07 Quad Summary: Sakon (3812146/4978) County Summary: Yolo Lat/Long: 38.476549'.121.65229' UTM: Zone-10 N4259550 E617560 Radiu: 20 ft Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping PrecisionNON-SPECIFIC Section: 0 4 Qtr: 3W Mapping Precisi	Quad Summary:	Saxon (3812146/497B), Davis (3812156/5	13C)	
UTIM:       Zone-10 N4261465 E614547       Range::       0.8         Area:       Xapping PrecisionNON-SPECIFIC       Section::       31       Ctr: XX         Elevation::       25 ft       Symbol Type:POLYGON       Meridian::	County Summary:	: Yolo, Solano		
Area:     Mapping Precision/ON-SPECIFIC     Section:     31     Qtr: XX       Elevation:     25 ft     Symbol Type:POLYGON     Meridian:     M       Location:     GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WES     Location:     GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SYSS) PARKING AREA.       Location:     Detail:     BURGY SYSS, SACRAMENTO VALLEY SOARING SOCIETY (SYSS) PARKING AREA.     GEOSTAPFIA CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NOESTAPFIA COLUSANA. 2003: SITE IS SIGNED AS 'FEDERALLY PROTECTED HABITAT AREA'. GRASS WAS HIGH WITH NO SIGN OF DISKN AG TO ELST       Mapping Threat:     1993: THEFETENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.       Generai:     AT LEAST 4 FAMILY GROUPINGS OBS IN 1998, MOSTLY 4.1000 THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF ENR.       Mapping Trecision/ON SPECIFIC     Detait     Last Sean       Occeurence No.     178     Map Index: 24513     EO Index: 6656     Dates Last Sean       Occeurence No.     178     Map Index: 24513     EO Index: 6656     Dates Last Sean       Occeurence No.     178     Map Index: 24513     EO Index: 6656     Dates Last Sean       Occeurence     178     Map Index: 24513     EO Index: 6656     Bates Last Sean	Lat/Long:	38.49418º / -121.68648º		Township: 08N
Elevation:     25 ft     Symbol Type:POLYGON     Meridian:     M       Location:     GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WESS     Location:     GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WESS       Location:     Detail:     BURNOWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLAND, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA.     Ecological:     HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO CLUSAT       MEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO CLUSAT     SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO CLUSAT       MEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO CLUSAT     SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO CAST       MERCIDIAL     AT LEAST 4 FAMILY GROUPINGS OBS IN 1089. MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS: 3 ADULTS & 6 JUV OBS. WIED OF EN RD. 1993. SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.       Owner/Manager:     DOD-MCCLELLAN AFB     Element: 1990:06:30       Cocurrence     Site: 2003:05:07       MERCIDI LUKNOWN     Cocc Rank: Un		Zone-10 N4261465 E614547		-
Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RU 15 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WES Location Detail: BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEGSTAPFIA COLUSANA. 2003: SITE I SIGNED AS 'FEDERALLY PROTECTED HABITAT AREA'. GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST Threat: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS. General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING. Ovner/Manager: DOD-MCCLELLAN AFB Coccurrence No. 178 Map Index: 24513 EO Index: 6656 Element: 1990-06-30 Site: 2003-05-05 Presence: Presumed Extant Trend: Unknown Record Last Updated: 2003-05-07 Quad Summary: Saxon (3812146/497B) County Summary: Yolo Lat/Long: 38.476549/-121.652269 Radius: 25 mile Mapping PrecisionNON-SPECIFIC Section: 04 Qtr: 3W Elevation: 20 ft Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEAR		25 ft		
Location Detail: BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPPIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST Threat: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS. General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING. Owner/Manager: DOD-MCCLELLAN AFB Coccurrence No. 178 Map Index: 24513 EO Index: 6656 — Dates Last Seen — Coc Rank: Unknown Origin: Natural/Native occurrence Presence Presumed Extant Trend: Unknown County Summary: Yolo Lat/Long: 38.47654 <sup>0/</sup> - 121.65226 <sup>0</sup> Radus: 256 mile Mapping PrecisionNON-SPECIFIC Section: 0.4 Qtr: 3W Elevation: 20 ft Mapping PrecisionNON-SPECIFIC Section: 0.4 Qtr: 3W Elevation: 20 ft Mapping PrecisionNON-SPECIFIC Section: 0.4 Qtr: 3W Elevation: 20 ft Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE: Ecologicat: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 S				
REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA. Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPHA COLUSANA. 2003: SITE IS SIGNED AS 'FEDERALLY PROTECTED HABITAT AREA'. GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST Threat: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS. General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 5 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVS- PARKING. Owner/Manager: DOD-MCCLELLAN AFB Occurrence No. 178 Map Index: 24513 EO Index: 6656				
NEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKIN AG TO EAST         Threat: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.         General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.         Owner/Manager: DOD-MCCLELLAN AFB         Occurrence No. 178       Map Index: 24513       EO Index: 6656       — Dates Last Seen	Location Detail			
Threat:       1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.         General:       AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.         Owner/Manager: DOD-MCCLELLAN AFB         Doc Rank: Unknown         Occurrence No. 178       Map Index: 24513       EO Index: 6656       Dates Last Seen         Occ Rank: Unknown         Origin: Natural/Native occurrence         Origin: Natural/Native occurrence         Trend: Unknown         Tesumed Extant         Township: 07N         Quad Summary: Saxon (3812146/497B)         County Summary: Yolo         Lat/Long: 38.47654° / -121.65226°         Township: 07N         Radius: 25 mile         Mapping PrecisionNON-SPECIFIC         Section: 04 q Qtr: SW         Meridan: M         Lat/Long: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & K	Ecological	NEOSTAPFIA COLUSANA. 2003: SITE IS		
General:       AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF EN RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.         Owner/Manager:       DOD-MCCLELLAN AFB         Occurrence No. 178       Map Index:       24513       EO Index:       6656	Threat			
RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING. Owner/Manager: DOD-MCCLELLAN AFB  Occurrence No. 178 Map Index: 24513 EO Index: 6656Element: 1990-06-30 OC rgini: Natura/Native occurrence				
Owner/Manager: DOD-MCCLELLAN AFB         Occurrence No. 178       Map Index: 24513       EO Index: 6656       — Dates Last Seen         Occ Rank:       Unknown       Element:       1990-06-30         Origin:       Natural/Native occurrence       Site:       2003-05-05         Presence:       Presumed Extant       Element:       1990-06-30         Trend:       Unknown       Record Last Updated:       2003-05-05         Quad Summary:       Saxon (3812146/497B)       Record Last Updated:       2003-05-07         Quad Summary:       Saxon (3812146/497B)       Range: 03E       Range: 03E         County Summary:       Yolo       Range: 03E       Range: 03E         Radiu:       2/5 mile       Mapping PrecisionNON-SPECIFIC       Section: 0 4       Qtr: SW         Elevation:       20 ft       Symbol Type:POINT       Meridian: M       Meridian: M         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological:       HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALI	General:			
Occurrence No. 178       Map Index: 24513       EO Index: 6656       — Dates Last Seen         Occ Rank: Unknown       Element: 1990-06-30       Site: 2003-05-05         Origin: Natural/Native occurrence       Site: 2003-05-05         Presence: Presumed Extant       Record Last Updated: 2003-05-07         Quad Summary: Saxon (3812146/497B)       Record Last Updated: 2003-05-07         Quad Summary: Yolo       Interview         Lat/Long: 38.47654°/ -121.65226°       Township: 07N         Radius: 2/5 mile       Mapping PrecisionNON-SPECIFIC         Radius: 2/5 mile       Mapping PrecisionNON-SPECIFIC         Elevation: 20 ft       Symbol Type:POINT         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALI	Owner/Manager			
Occ Rank: Unknown       Element: 1990-06-30         Origin: Natural/Native occurrence       Site: 2003-05-05         Presence: Presumed Extant       rend: Unknown         Trend: Unknown       Record Last Updated: 2003-05-07         Quad Summary: Saxon (3812146/497B)       County Summary: Yolo         Lat/Long: 38.47654°/-121.65226°       Township: 07N         UTM: Zone-10 N4259550 E617560       Range: 03E         Radius: 2/5 mile       Mapping PrecisionNON-SPECIFIC         Blevation: 20 ft       Symbol Type:POINT         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	e			
Origin: Natural/Native occurrence       Site: 2003-05-05         Presence: Presumed Extant       Record Last Updated: 2003-05-07         Quad Summary:       Saxon (3812146/497B)         County Summary:       Yolo         Lat/Long:       38.47654° / -121.65226°         Radius:       2/5 mile         Mapping PrecisionNON-SPECIFIC       Section:         04 dtr: SW       Symbol Type:POINT         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological:       HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Occurrence No.	178 Map Index: 24513	EO Index: 6656	Dates Last Seen
Presence:       Presumed Extant Trend:       Record Last Updated:       2003-05-07         Quad Summary:       Saxon (3812146/497B)       Record Last Updated:       2003-05-07         Quad Summary:       Yolo       Township:       07N         Lat/Long:       38.47654° / -121.65226°       Township:       07N         UTM:       Zone-10 N4259550 E617560       Range:       03E         Radius:       2/5 mile       Mapping PrecisionNON-SPECIFIC       Section:       04       Qtr:       SW         Elevation:       20 ft       Symbol Type:POINT       Meridian:       M         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.       Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Occ Rank:			
Trend:       Unknown       Record Last Updated:       2003-05-07         Quad Summary:       Saxon (3812146/497B)            County Summary:       Yolo              Lat/Long:       38.47654° / -121.65226°       Township:       07N				Site: 2003-05-05
County Summary: Yolo         Lat/Long:       38.47654°/-121.65226°       Township:       07N         UTM:       Zone-10 N4259550 E617560       Range:       03E         Radius:       2/5 mile       Mapping PrecisionNON-SPECIFIC       Section:       04       Qtr: SW         Elevation:       20 ft       Symbol Type:POINT       Meridian:       M         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail:       BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological:       HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin:			
County Summary: Yolo         Lat/Long: 38.47654°/-121.65226°       Township: 07N         With Source 10 N4259550 E617560         Radius: 2/5 mile       Mapping PrecisionNON-SPECIFIC       Section: 04       Qtr: SW         Elevation: 20 ft       Symbol Type:POINT       Meridian: M         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin: Presence:	Presumed Extant		
Lat/Long:       38.47654° / -121.65226°       Township:       07N         UTM:       Zone-10 N4259550 E617560       Range:       03E         Radius:       2/5 mile       Mapping PrecisionNON-SPECIFIC       Section:       04       Qtr: 3W         Elevation:       20 ft       Symbol Type:POINT       Meridian:       M         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail:       BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological:       HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin: Presence: Trend:	Presumed Extant Unknown		
Range: 03E         Range: 03E         Range: 03E         Range: 03E         Range: 03E         Section: 04       Qtr: SW         Mapping PrecisionNON-SPECIFIC       Section: 04       Qtr: SW         Elevation: 20 ft       Section: 04       Qtr: SW         Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin: Presence: Trend: Quad Summary:	Presumed Extant Unknown Saxon (3812146/497B)		
Elevation:       20 ft       Symbol Type:POINT       Meridian:       M         Location:       EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         Location Detail:       BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE.         Ecological:       HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin: Presence: Trend: Quad Summary: County Summary:	Presumed Extant Unknown Saxon (3812146/497B) Yolo		Record Last Updated: 2003-05-07
Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY. Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE. Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALL	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654º / -121.65226º		Record Last Updated: 2003-05-07
Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD VISIBLE. Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALI	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654° / -121.65226° Zone-10 N4259550 E617560 2/5 mile		Township:       07N         Range:       03E         FIC       Section:       04       Qtr: SW
VISIBLE. Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALI	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654° / -121.65226° Zone-10 N4259550 E617560 2/5 mile		Township:       07N         Range:       03E         FIC       Section:       04       Qtr: SW
Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALI	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654° / -121.65226° Zone-10 N4259550 E617560 2/5 mile 20 ft	Symbol Type:POINT	Record Last Updated: 2003-05-07         Township: 07N         Range: 03E         FIC       Section: 04       Qtr: SW         Meridian: M
	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location:	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654° / -121.65226° Zone-10 N4259550 E617560 2/5 mile 20 ft : EAST SIDE OF ROAD 106, 0.75 MI N OF : BURROWS LOCATED WHERE THE MAR	Symbol Type:POINT	Record Last Updated: 2003-05-07         Township:       07N         Range:       03E         FIC       Section:       04       Qtr: SW         Meridian:       M         VIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.
Threat: A GRAIN FIELD IN 2003.	Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail	Presumed Extant Unknown Saxon (3812146/497B) : Yolo 38.47654° / -121.65226° Zone-10 N4259550 E617560 2/5 mile 20 ft : EAST SIDE OF ROAD 106, 0.75 MI N OF : BURROWS LOCATED WHERE THE MAR VISIBLE. : HABITAT CONSISTS OF SHORT, DRY G	Symbol Type:POINT GLIDE TULE RANCH, 9 MILES SOUTH OF DA SCH CROSSES THE ROAD, SOUTH OF THE B	Record Last Updated: 2003-05-07         Township:       07N         Range:       03E         FIC       Section:       04       Qtr: SW         Meridian:       M         VIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.         ARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD N

burrowing owl				Element Code: ABN			
Stat	us ———	ND	DB Element Ranks	Ot	her Lists		
Federal: None			Global: G4		CDFG Statu	is: SC	
State: None			State: S2				
Habitat As	ssociations —						
General: OPEN,	DRY ANNUAL OR PEREN	IAL GRASSLANDS, DE	ESERTS & SCRUBLANDS C	HARACTERIZED BY LOW-GR	OWING VEG	ETATION.	
Micro: SUBTE	RRANEAN NESTER, DEPE	ENDENT UPON BURR	OWING MAMMALS, MOST	NOTABLY, THE CALIFORNIA	GROUND SQ	UIRREL.	
Owner/Manager	HIGH GREEN GRASS FF : UNKNOWN	ROM LATE RAINS.					
Occurrence No	. 179 <b>Map I</b> r	ndex: 24515	EO Index: 66	53		Dates Las	t Seen
Occ Rank:	•				E	lement:	1990-06-30
Origin:	Natural/Native occurrence	e				Site:	1990-06-30
	Presumed Extant			-			1000 10 07
Trend:	Unknown			F	Record Last	Updated:	1993-12-27
Quad Summary	: Saxon (3812146/497B)						
County Summary							
County Summary	. 1010						
Lat/Long:	38.38763º / -121.6875º				Township:	06N	
	Zone-10 N4249640 E614	627	•• • - •		Range:		
	1/5 mile		Mapping Precision		Section:		Qtr: SW
Elevation	15π		Symbol Type:		Meridian:	M	
Location	: NORTH SIDE OF ROAD	155, 0.9 MILE EAST O	F WEST LEVEE ROAD, 13 I	ILES SE OF DIXON.			
Location Detai	I:OWLS PERCHED ON FE	NCEPOSTS IN THE V	ICINITY OF THE BURROW.				
				JACENT TO A WATER-FILLED			
-				WOLNT TO A WATER-FILLED			
General	: IN 1990, 2 ADULTS AND	4 JUVENILES WERE	OBSERVED.				
Owner/Manager	: UNKNOWN						
Occurrence No	•	ndex: 30605	EO Index: 43	70		Dates Las	
Occ Rank:					E		1994-11-20
-	Natural/Native occurrence	;				Site:	1994-11-20
	Presumed Extant			F	Record Last	Undated.	1994-12-06
Trend:	Unknown			ľ	Cecola Last	opuateu.	1334-12-00
Quad Summary	: Dixon (3812147/498A)						
County Summary	: Solano						
Lat/Long	38.45119º / -121.82087º				Township:	07N	
-	Zone-10 N4256536 E602	888			Range:		
	1/5 mile		Mapping Precision	NON-SPECIFIC	Section:		Qtr: SW
Elevation	55 ft		Symbol Type:	POINT	Meridian:	М	
Location	: EAST OF THE INTERSE						
	I:BURROW SITE IS LOCA						
Ecological	DUDEDAL VEOFTATION			ETE RUBBLE; LOT IS CHARAG	CTERIZED B	Y FALLOV	/ FIELDS WITH
	RUDERAL VEGETATION	I, SURROUNDED BT L	DEVELOPINIENT.				
General	1 ADULT OBSERVED ON	19 AND 20 NOVEMB	ER 1994; WINTERING SITE				
Owner/Manager	: UNKNOWN						
5							
	. 227 Map l	ndex: 32019	EO Index: 37	89		Dates Las	t Seen ———
Occurrence No					E	lement:	1994-07-12
Occurrence No Occ Rank:	Good	a				Site:	2004-07-29
Occ Rank: Origin:	Natural/Native occurrence	-				المعامد ما	2004 14 40
Occ Rank: Origin: Presence:	Natural/Native occurrence Presumed Extant	-		-	0000-1		2004-01-10
Occ Rank: Origin: Presence:	Natural/Native occurrence	-		F	Record Last	Opdated:	2004 11 10
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant			F	Record Last	Opdated:	2004 11 10
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/4988)			F	Record Last	Updated:	2004 11 10
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)     : Solano						2004 11 10
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)     Solano     38.45646° / -121.94343°	)			Township:	07N	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)     Solano     38.45646° / -121.94343°     Zone-10 N4256990 E592	)	Mapping Precision		Township: Range:	07N 01W	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.45646° / -121.94343°</li> <li>Zone-10 N4256990 E592</li> <li>80 meters</li> </ul>	)	Mapping Precision Symbol Type:	SPECIFIC	Township:	07N 01W 14	Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) Solano 38.45646° / -121.94343° Zone-10 N4256990 E592 80 meters 115 ft	) 2187	Symbol Type:	SPECIFIC	Township: Range: Section:	07N 01W 14	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long Lat/Long UTM: Radius: Elevation Location	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/4988)     Solano     38.45646° / -121.94343°     Zone-10 N4256990 E592     80 meters     115 ft     WEST SIDE OF WINTER	) 2187 25 ROAD, ~5.5 MILES (	Symbol Type: SOUTH OF WINTERS.	SPECIFIC POINT	Township: Range: Section: Meridian:	07N 01W 14 M	Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long Lat/Long UTM: Radius: Elevation Location	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)     Solano     38.45646° / -121.94343°     Zone-10 N4256990 E592     80 meters     115 ft     WEST SIDE OF WINTER     WEST SIDE OF WINTER	) 2187 2S ROAD, ~5.5 MILES : 2D PERCHED ON STEI	Symbol Type: SOUTH OF WINTERS. EL FENCE POSTS ON THE	SPECIFIC	Township: Range: Section: Meridian:	07N 01W 14 M	Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detai	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.45646° / -121.94343°</li> <li>Zone-10 N4256990 E592</li> <li>80 meters</li> <li>115 ft</li> <li>WEST SIDE OF WINTER</li> <li>WEST SIDE OF WINTER</li> <li>WEST SIDE OF WINTER</li> <li>WEST SIDE OF WINTER</li> <li>WEST SIDE OF MINTER</li> <li>WEST SIDE OF MINTER</li> <li>HE EAST BANK OF A C</li> <li>HABITAT CONSISTS OF</li> </ul>	) 2187 25 ROAD, ~5.5 MILES 26 PERCHED ON STEI 26 ANAL PARALLELING 21 LOW-GROWING ANN	Symbol Type: SOUTH OF WINTERS. EL FENCE POSTS ON THE THE FENCE LINE. IUAL GRASSLAND, WHICH	SPECIFIC POINT	Township: Range: Section: Meridian: AD; BURRO\	07N 01W 14 M WS WERE	Qtr: NW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/4988)     Solano     38.45646° / -121.94343°     Zone-10 N4256990 E592     80 meters     115 ft     WEST SIDE OF WINTER     HOWLS WERE OBSERVE     THE EAST BANK OF A C     HABITAT CONSISTS OF     UP OF IRRIGATED PAST	) 2187 25 ROAD, ~5.5 MILES 20 PERCHED ON STEI 20 PARALLELING 20 OW-GROWING ANN TURE AND ROW CRO	Symbol Type: SOUTH OF WINTERS. EL FENCE POSTS ON THE THE FENCE LINE. IUAL GRASSLAND, WHICH PS AND RANCHETTES.	SPECIFIC POINT WEST SIDE OF WINTERS RO	Township: Range: Section: Meridian: AD; BURROV	07N 01W 14 M WS WERE	Qtr: NW

thene cunicularia		Element Code: ABNSB10010
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	
Habitat Associations		
General: OPEN, DRY ANNUAL OR PERE	NIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACT	ERIZED BY LOW-GROWING VEGETATION.
Micro SUBTERRANEAN NESTER DE	PENDENT UPON BURROWING MAMMALS, MOST NOTABL	Y THE CALIFORNIA GROUND SOLURREI

Occurrence No.	228 Map I	ndex: 32020	EO Index: 4406	Dates La	st Seen ———
Occ Rank:	Fair			Element:	2005-09-03
Origin:	Natural/Native occurrence	е		Site:	2005-09-03
Presence:	Presumed Extant				
Trend:	Unknown			Record Last Updated:	2005-10-18
Quad Summary:	Allendale (3812148/498B	3)			
County Summary	: Solano				
Lat/Long:	38.45378º / -121.95303º			Township: 07N	
UTM:	Zone-10 N4256684 E591	1352		Range: 01W	
Radius:	80 meters		Mapping PrecisionSPECIFIC	Section: 15	Qtr: NE
Elevation:	115 ft		Symbol Type:POINT	Meridian: M	
Location	NORTH SIDE OF ALLEN	IDALE ROAD, JUST EA	ST OF THE PUTAH SOUTH CANAL INTERSE	ECTION, WEST OF I-505, 6 MILES	SOUTH OF WINTERS
Location Detail			NCE LINE ON THE NORTH SIDE OF A CEMI . BURROW IS LOCATED WITHIN THE FENCI		LELS ALLENDALE
Ecological			UAL GRASSLAND, WHICH DRIES OUT DURI CRES) TO THE SOUTH AND GRAZING LAND		IG AREA IS DEVELOPE
Threat:	POSSIBLY THREATENE	D BY ROAD/CANAL M	AINTENANCE.		
			LS OBSERVED ON 5 MAY 2003 - SITE VISIT		
General:	ENTRANCE ON 4 JUL 2	004. 2 OBSERVED AT	BURROW ON 29 JUL 2004. 4 OWLS (1 AD, 3	JUV) OBSERVED ON 3 SEP 2005.	

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burrowing owl  Stat	us ————	NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None		Global: G4 State: S2	CDFG Stat	us: SC	
General: OPEN,		ANDS, DESERTS & SCRUBLANDS CHA			
Presence	•	EO Index: 1722	-	Site:	1996-07-23 1996-07-23
Quad Summary County Summary	: Dixon (3812147/498A) : Solano				
UTM:	<ul> <li>38.38658° / -121.77620°</li> <li>Zone-10 N4249417 E606881</li> <li>80 meters</li> <li>25 ft</li> </ul>	Mapping PrecisionSP Symbol Type:PO		02E 08	Qtr: NE
		DAD AND WEST OF THE ROAD TO THE			
Location Detai	I:BURROWS ARE LOCATED INSIDE A THE AREA.	CYCLONE-FENCED AREA THAT SERV	ES AS AN ELECTRICAL SUBSTATION	FOR THE	ANTENNA FIELDS IN
-	: SITE IS SURROUNDED BY IRRIGATE : 2 ADULTS OBSERVED AT THE BURF : DOD-NAVY				
Presence	•	EO Index: 8461	Record Last	Site:	1996-07-23 1996-07-23
Quad Summary County Summary	: Dixon (3812147/498A) : Solano				
UTM:	: 38.38795° / -121.77892° Zone-10 N4249566 E606641 80 meters : 34 ft	Mapping PrecisionSP Symbol Type:PO		02E 05	Qtr: SW
Location Detai Ecologica	I:BURROWS ARE IN A DIRT AND GRA I: SITE IS SURROUNDED BY IRRIGATE	DAD AND 0.4 MILE EAST OF ROBBEN I VEL MOUND LOCATED IN THE NW CO ED AGRICULTURE (CROP TYPE CHANG OF OLD GAS WELL TO RETURN THE	RNER OF A GAS WELL PAD. GES YEARLY).		
General Owner/Manager	2 ADULTS AND 2 JUVENILES OBSER : PVT	2VED ON 23 JULY 1996.			
-	•	<b>EO Index:</b> 2504			t Seen 1996-07-19 1996-07-19
Trend:	Unknown : Dixon (3812147/498A)		Record Last	Updated:	1996-09-11
County Summary					
UTM:	<ul> <li>38.46822° / -121.80294°</li> <li>Zone-10 N4258445 E604428</li> <li>80 meters</li> <li>55 ft</li> </ul>	Mapping PrecisionSP Symbol Type:PO		02E 07	Qtr: ∖W
		NORTH OF VAUGHN ROAD, 1 MILE N			
		JACENT TO A CYCLONE-FENCED ARE UT ONCE A YEAR; IRRIGATED CROPL IS ADJACENT TO THE WEST.			T AND A RAILROAD
			R, OWLS HAVE INHABITED THIS SITE	YEAR-RO	UND FOR AT LEAST

burrowing owl	nie ————————————————————————————————————	<ul> <li>NDDB Element Ranks</li> </ul>	Element Code: ABNSB10010 Other Lists	
Federal: None	tus	Global: G4	CDFG Stat	us: SC
State: None		State: S2		
Habitat A	ssociations —			
	DRY ANNUAL OR PERENIAL GRASSLAN	IDS, DESERTS & SCRUBLANDS CHA	RACTERIZED BY LOW-GROWING VEC	GETATION.
Micro: SUBTE	RRANEAN NESTER, DEPENDENT UPON	BURROWING MAMMALS, MOST NO	ABLY, THE CALIFORNIA GROUND SC	QUIRREL.
Occurrence No	<b>5.</b> 238 <b>Map Index:</b> 33491	EO Index: 24226	·	Dates Last Seen
Occ Rank	: Fair		1	Element: 1996-07-23
-	: Natural/Native occurrence			Site: 1996-07-23
	: Presumed Extant : Unknown		Record Last	Updated: 1996-09-11
	r: Dixon (3812147/498A)			
County Summary	y: Solano			
Lat/Long	: 38.48977°/-121.80093°		Township:	08N
	Zone-10 N4260839 E604573		Range:	
	: 12.1 acres	Mapping PrecisionSPE		
Elevation	1: 60 ft	Symbol Type:POI	YGON Meridian:	M
Location	: JUST SOUTH OF SPAULDING ROAD, 0	.2 MILE EAST OF PEDRICK ROAD, 2.	5 MILES NNE OF DIXON.	
	II: BURROWS ARE LOCATED ALONG A C STATION AND THE TRUCKING YARD A	YCLONE FENCE THAT DELINEATES	THE SOUTHERN BOUNDARY OF THE	CALTRANS MAINTENANCE
Feologica	I: SITE IS SURROUNDED BY IRRIGATED			
-				
	: POSSIBLE THREAT FROM COMMERCI		OTTOF THE CALIKANS YARD.	
	2 ADULTS AND 2 UNKNOWN-AGE OWL	LS OBSERVED ON 23 JULY 1996.		
Owner/Manage	r: CALTRANS			
Occurrence No		EO Index: 8347		Dates Last Seen
Occ Rank			I	Element: 1996-07-19
-	: Natural/Native occurrence			Site: 1996-07-19
	: Presumed Extant : Unknown		Record Last	Updated: 1996-09-11
Quad Summary County Summary	r: Liberty Island (3812136/497C) y: Solano			
Lat/Long	: 38.37309º / -121.72563º		Township:	06N
UTM:	Zone-10 N4247980 E611319		Range:	
	: 30.3 acres	Mapping PrecisionSPE		
Elevation	15 ft	Symbol Type:POI	YGON Meridian:	М
Location	: JUST NORTH OF DELHI ROAD, BETWE	EN ETZEL ROAD AND WINSHIP ROA	D. 2 MILES SE OF LIBFARM.	
				2050
-	I: LAND USE ON BOTH SIDES OF DELHI		STURELAND, PREDOMINANTLY GRAS	5525.
	: POSSIBLE THREAT FROM DITCH REP			
General	2 PAIRS OF ADULTS, ONE WITH 4 JUV	NENILES, WERE OBERVED ON 19 JU	LY 1996.	
Owner/Manage	r: PVT			
Occurrence No	<b>Map Index:</b> 33493	<b>EO Index:</b> 8346		Dates Last Seen
Occ Rank			I	Element: 2004-05-XX
•	: Natural/Native occurrence			Site: 2004-05-XX
	: Presumed Extant : Unknown		Record Last	Updated: 2004-11-29
	: Liberty Island (3812136/497C), Saxon (38	312146/497B)		
County Summary	<b>/:</b> Solano			
Lat/Long	: 38.37727º/-121.73441º		Township:	06N
-	Zone-10 N4248433 E610545		Range:	
Area		Mapping PrecisionNO	-	
Elevation	15 ft	Symbol Type:POI	YGON Meridian:	Μ
Location	: OLD RAILROAD GRADE, BETWEEN ET	ZEL ROAD AND DELHI ROAD, 2 MILE	S SE OF LIBFARM	
	II: BURROWS ARE LOCATED IN THE EAS			SW-NE FROM DELHLROAD
Location Dota	OCCUPIED BURROWS BEGIN ABOUT :			
Location Deta				
	I: HABITAT CONSISTS OF A CANAL BAN THE WEST AND SE 5/5/2003 HABITAT		TO THE SW (ACROSS DELHI ROAD) /	
Ecologica	THE WEST AND SE. 5/5/2003 HABITAT	APPEARS AS DESCRIBED.	TO THE SW (ACROSS DELHI ROAD) /	
Ecologica Threat		APPEARS AS DESCRIBED. NTENANCE.		

burrowing owl	_		Element Code: ABI			
Federal: None	s ———	NDDB Element Ranks —— Global: G4	0	other Lists CDFG Statu	IS: SC	
State: None		State: S2				
General: ODEN D	sociations ————————————————————————————————————					
	RANEAN NESTER, DEPENDENT UPON BU					
Occurrence No.	241 Map Index: 33494	EO Index: 53	06		Dates Las	t Seen
Occ Rank:				E		1996-07-19
•	Natural/Native occurrence Presumed Extant				Site:	1996-07-19
	Unknown			Record Last	Updated:	1996-09-12
Quad Summary:	Saxon (3812146/497B)					
County Summary:	Solano					
-	38.38286°/-121.71286°			Township:		
	Zone-10 N4249079 E612419 17.7 acres	Mapping Precision	PECIFIC	Range: Section:		Qtr: NE
Elevation:		Symbol Type:		Meridian:		
Location:	WEST SIDE OF LIBERTY ISLAND ROAD, 1	.3 MILES SOUTH OF KING ROA	D, 11 MILES EAST OF DIXO	N.		
Location Detail:	BURROWS ARE LOCATED IN THE WEST	BANK OF A DITCH THAT PARA	LELS LIBERTY ISLAND ROA	۹D.		
Ecological:	SURROUNDING HABITAT CONSISTS OF I	RRIGATED PASTURELANDS.				
General:	2 ADULTS OBSERVED ON 19 JULY 1996.					
Owner/Manager:	PVT					
Occurrence No.	242 Map Index: 33495	EO Index: 25	508		Dates Las	t Seen
Occ Rank:	•			E	Element:	1996-07-19
	Natural/Native occurrence				Site:	2003-05-05
	Presumed Extant Unknown			Record Last	Updated:	2003-05-07
Quad Summary:	Saxon (3812146/497B)					
County Summary:	Solano					
-	38.44332º / -121.72058º			Township:		
	Zone-10 N4255779 E611652 80 meters	Mapping Precision		Range: Section:		Qtr: NE
Elevation:		Symbol Type:		Meridian:		GUI. VL
Location:	JUST EAST OF BULKLEY ROAD, 0.6 MILE	SOUTH OF HACKMAN ROAD, 9	MILES EAST OF DIXON.			
Location Detail	BURROW SITE IS LOCATED 200 FEET EA CONCRETE RUBBLE PRESENT NEAR TH			RRIGATION I	DITCH. 5/5	/2003 BROKEN
Ecological:	SURROUNDING LAND USE IS PRIMARILY	IRRIGATED AGRICULTURE.				
Threat:	POSSIBLE THREAT FROM ACTIVITIES RE	LATED TO DITCH EROSION RE	PAIR.			
General:	4 OWLS OF UNKNOWN-AGE OBSERVED	ON 19 JULY 1996. 5/5/2003 NO	OWLS WERE SEEN.			
Owner/Manager:	PVT					
Occurrence No.	243 Map Index: 33496	EO Index: 83	50		Dates Las	t Seen
Occ Rank:				E		1996-07-23
-	Natural/Native occurrence Presumed Extant				Site:	2003-05-05
	Unknown			Record Last	Updated:	2003-05-07
Quad Summary:	Saxon (3812146/497B)					
County Summary:	Solano, Yolo					
-	38.44083º / -121.69427º			Township:		
	Zone-10 N4255535 E613952 31.0 acres	Mapping Precision	PECIFIC	Range: Section:		Qtr: NE
Elevation:		Symbol Type:		Meridian:		1L
Location:	JUST WEST OF COUNTY ROAD 104, 0.6 M	ILE SOUTH OF HACKMAN RO	AD, 10.5 MILES EAST OF DIX	ON.		
Location Detail:	BURROW SITE IS LOCATED ALONG THE LOCATED ADJACENT TO THE NE CORNE					
Ecological:	SURROUNDING HABITAT CONSISTS OF I	RRIGATED PASTURE/AGRICUI	TURE.			
Threat:	POSSIBLE THREAT FROM ACTIVITIES RE	LATED TO DITCH REPAIR WO	RK. CORRAL PRESENT.			
	3 ADULTS AND 2 JUVENILES OBSERVED			EEN GRASS	DUE TO L	ATE RAINS MAYBE

urrowing owl			Element Code: ABNSB10010		
State		NDDB Element Ranks	Other Lists		
Federal: None		Global: G4	CDFG Sta	tus: SC	
State: None		State: S2			
	sociations				
		SSLANDS, DESERTS & SCRUBLANDS CHARACTER			
MICIO: SUBTER	RRANEAN NESTER, DEPENDENT	UPON BURROWING MAMMALS, MOST NOTABLY,	THE CALIFORNIA GROUND S	QUIRREL.	
Occurrence No.	272 Map Index: 39	0425 <b>EO Index:</b> 34427		Dates La	st Seen
Occ Rank:	•			Element:	2002-06-08
Origin:	Natural/Native occurrence			Site:	2004-07-29
Presence:	Possibly Extirpated				
Trend:	Unknown		Record Las	t Updated:	2004-11-09
Quad Summary:	Allendale (3812148/498B)				
County Summary	: Solano				
Lat/Long:	38.39343º / -121.94531º		Township:	06N	
-	Zone-10 N4249994 E592103		Range:		
Area:		Mapping PrecisionNON-SPEC	-		Qtr: XX
Elevation:	95 ft	Symbol Type:POLYGON	Meridian:	Μ	
Location Detail Ecological Threat:	VACAVILLE BURROWS ARE LOCATED BENE HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE PA	ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED	THE ROADWAYS. ASSLAND. GROUND HAS BEI	EN PLOWE	d to within F
Location Detail Ecological Threat:	VACAVILLE BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED	THE ROADWAYS. ASSLAND. GROUND HAS BEI	EN PLOWE	d to within F
Location Detail Ecological Threat: General:	VACAVILLE BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED UNKNOWN	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V.	EN PLOWE	D TO WITHIN F
Location Detail Ecological Threat: General: Owner/Manager	VACAVILLE BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE PA 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED UNKNOWN 361 Map Index: 43	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element:	D TO WITHIN F EY PARKWAY ( st Seen 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	VACAVILLE :BURROWS ARE LOCATED BENE. : HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P. 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V.	EN PLOWE	D TO WITHIN F EY PARKWAY ( st Seen 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED :UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. (ASSLAND. GROUND HAS BEI () ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element: Site:	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	VACAVILLE :BURROWS ARE LOCATED BENE. : HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P. 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. (ASSLAND. GROUND HAS BEI () ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element: Site:	D TO WITHIN F EY PARKWAY ( st Seen 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED :UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. (ASSLAND. GROUND HAS BEI () ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element: Site:	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	VACAVILLE :BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. (ASSLAND. GROUND HAS BEI () ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element: Site:	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	VACAVILLE :BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004.	THE ROADWAYS. (ASSLAND. GROUND HAS BEI () ABOUT 400 FT NORTH OF V.	EN PLOWE ACA VALLE • Dates La Element: Site: t Updated:	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	VACAVILLE :BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. 3203 EO Index: 43203	THE ROADWAYS. ASSLAND. GROUND HAS BEI ABOUT 400 FT NORTH OF V. Record Las Township: Range:	EN PLOWE ACA VALLE Dates La Element: Site: t Updated:	D TO WITHIN F EY PARKWAY C st Seen
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P. 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. 3203 EO Index: 43203 Mapping PrecisionSPECIFIC	THE ROADWAYS. ASSLAND. GROUND HAS BEI ABOUT 400 FT NORTH OF V. Record Las Township: Range: Section:	EN PLOWE ACA VALLE Dates La Element: Site: t Updated: : 07N 01W 35	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P. 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. 3203 EO Index: 43203	THE ROADWAYS. ASSLAND. GROUND HAS BEI ABOUT 400 FT NORTH OF V. Record Las Township: Range:	EN PLOWE ACA VALLE Dates La Element: Site: t Updated: : 07N 01W 35	D TO WITHIN F EY PARKWAY C st Seen
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	VACAVILLE :BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters 110 ft	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. 3203 EO Index: 43203 Mapping PrecisionSPECIFIC	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V. Record Las Record Las Township: Range: Section: Meridian:	PLOWE     ACA VALLE     Dates La     Element:     Site:     t Updated:     07N     01W     35     M	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18 2000-07-12 Qtr: NW
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	VACAVILLE BURROWS ARE LOCATED BENE. HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OB 2002. SPECIES NOT OBSERVED UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters 110 ft : NE OF THE INTERSECTION OF I-	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. B203 EO Index: 43203 Mapping PrecisionSPECIFIC Symbol Type:POINT	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V. Record Las Record Las Township: Range: Section: Meridian:	PLOWE     ACA VALLE     Dates La     Element:     Site:     t Updated:     07N     01W     35     M	D TO WITHIN F EY PARKWAY C st Seen 2000-06-18 2000-06-18 2000-07-12 Qtr: NW
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters 110 ft : NE OF THE INTERSECTION OF I- :BURROWS ARE LOCATED AT TH	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. B203 EO Index: 43203 Mapping PrecisionSPECIFIC Symbol Type:POINT 505 AND GIBSON CANYON CREEK (NORTH FORK	THE ROADWAYS. ASSLAND. GROUND HAS BEI D ABOUT 400 FT NORTH OF V. Record Las Record Las Section: Meridian:	EN PLOWE ACA VALLE Dates La Element: Site: t Updated: : 07N 01W 35 M ALLEY RAC	D TO WITHIN F EY PARKWAY C 2000-06-18 2000-06-18 2000-07-12 Qtr: NW CEWAY.
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail Ecological	VACAVILLE :BURROWS ARE LOCATED BENE. :HABITAT SURROUNDING BURRO TREES. AREA IS FUTURE SITE O POSSIBLE THREATS INCLUDE P/ 2 ADULTS AND 4 JUVENILES OBS 2002. SPECIES NOT OBSERVED : UNKNOWN 361 Map Index: 43 Excellent Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41243° / -121.94462° Zone-10 N4252104 E592139 80 meters 110 ft : NE OF THE INTERSECTION OF I- : BURROWS ARE SURROUNDED E	ATH ROWS OF PLANTED TREES ADJACENT TO T DWS CONSISTS OF DISTURBED, NON-NATIVE GR. OF DEVELOPMENT. ARKWAY WIDENING AND DEVELOPMENT. SERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ON 29 JUL 2004. B203 EO Index: 43203 Mapping PrecisionSPECIFIC Symbol Type:POINT 505 AND GIBSON CANYON CREEK (NORTH FORK IE TOP OF THE BANK OF AN INCISED CHANNEL.	THE ROADWAYS. ASSLAND. GROUND HAS BEN ABOUT 400 FT NORTH OF V. Record Las Township: Range: Section: Meridian: (), 2 MILES WEST OF VACA V/ MEROUS GROUND SQUIRREN	EN PLOWE ACA VALLE Dates La Element: Site: t Updated: : 07N 01W 35 M ALLEY RAC	D TO WITHIN F EY PARKWAY C 2000-06-18 2000-06-18 2000-07-12 Qtr: NW CEWAY.

Global: G4	CDFG Status: SC
State: S2	
	ACTERIZED BY LOW-GROWING VEGETATION. BLY, THE CALIFORNIA GROUND SQUIRREL.
EO Index: 43953	Dates Last Seen     Element: 2000-04-28
	Site: 2000-04-28 Record Last Updated: 2000-10-03
	Township: 04N Range: 02E
Mapping PrecisionSPEC Symbol Type:POLY	CIFIC Section: 22 Qtr: XX
E CARTWRIGHT ROAD JUNCTION, N	NW OF RIO VISTA.
IDES (MOST ACTIVITY FOUND ON T	HE EAST SIDE) OF AZEVEDO ROAD, AT LEAST SEVERAL OF
NSISTS OF RUDERAL GRASS AND F	ORBS.
THE BURROW SITE; LATER, SAME	OWL (PRESUMABLY) FOUND DEAD ON THE ROAD.
<b>EO Index:</b> 43955	Dates Last Seen     Element: 2000-05-20
	Site: 2000-05-20
	Record Last Updated: 2000-10-03
	Township: 04N
Mapping PrecisionSPEC	Range: 02E IFIC Section: 27 Qtr: SW
Symbol Type:POIN	T Meridian: M
F THE AZEVEDO ROAD JUNCTION,	
	R THE FENCE LINE, ON THE MARGINS OF A GRAIN FARM. F THE ROAD AND A SECOND, LESS-USED BURROW ON THE
000 AT THE SOUTH BURROW.	
EO Index: 43958	Dates Last Seen
	Element: 2000-02-XX Site: 2000-02-XX
	Record Last Updated: 2000-10-03
	Township: 04N
Manual D. 11 0050	Range: 02E
Mapping PrecisionSPEC Symbol Type:POIN	
EAST OF THE ANDERSON ROAD J	UNCTION, WEST OF RIO VISTA
ROW IN THE ROADCUT OF EMIGH R RROUNDING LAND USE IS GRAIN C	OAD; BURROW FACES NORTH, ON THE SOUTH SIDE OF TH ROPS.
	EO Index: 43953 Mapping PrecisionSPEC Symbol Type:POLY E CARTWRIGHT ROAD JUNCTION, I DES (MOST ACTIVITY FOUND ON T VISISTS OF RUDERAL GRASS AND F THE BURROW SITE; LATER, SAME EO Index: 43955 Mapping PrecisionSPEC Symbol Type:POIN F THE AZEVEDO ROAD JUNCTION, N SOUTH OF THE ROAD, JUST OVE 3 BURROW ON THE SOUTH SIDE OF 2000 AT THE SOUTH BURROW. EO Index: 43958 EO Index: 43958 EO Index: 43958 EO Index: 43958 EO Index: 43958 EO Index: 43958 EO Index: 43958

burrowing owl State	us	NDDB Element Ranks	ment Code: ABNSB10010 Other Lists
Federal: None State: None		Global: G4 State: S2	CDFG Status: SC
	SOCIATIONS	S, DESERTS & SCRUBLANDS CHARACTERIZI	ED BY LOW-GROWING VEGETATION
		SURROWING MAMMALS, MOST NOTABLY, TH	
Occurrence No	. 372 Map Index: 43961	EO Index: 43961	Dates Last Seen
Occ Rank:			Element: 2000-01-03 Site: 2000-01-24
-	Natural/Native occurrence Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-10-03
Quad Summary	Birds Landing (3812127/481A)		
County Summary	: Solano		
-	38.13728º / -121.75496º		Township: 03N
UTM: Area:	Zone-10 N4221779 E609109	Mapping PrecisionNON-SPECIFIC	Range: 02E C Section: 04 Qtr: NE
Elevation	80 ft	Symbol Type:POLYGON	Meridian: M
Location	ALONG ANDERSON ROAD, 0.25-0.50 MIL	E NW OF THE MONTEZUMA HILLS ROAD JUN	NCTION, SW OF RIO VISTA.
Location Detai	MOST OF THE BURROWS WERE LOCAT	ED IN THE UPHILL SIDE OF THE ROAD CUT F	FOR MONTEZUMA HILLS ROAD.
Ecological	HABITAT CONSISTS OF A MAMMAL BUR	ROWS IN THE ROAD CUT OF ANDERSON RC	DAD. SURROUND LAND IS PASTURE AND GRAIN FARMS.
Threat:	THREATENED BY DOMESTIC CATS.		
General	3 ADULT OWLS OBSERVED AT 3 ADJAC BURROW WAS FLOODED ON 24 JAN 200		/L OBSERVED AT A FOURTH BURROW ON 3 JAN 2000; TH
Owner/Manager	: PVT, SOL COUNTY		
Occurrence No	. 373 Map Index: 43971	EO Index: 43971	Dates Last Seen
Occ Rank:	•		Element: 2000-04-XX
-	Natural/Native occurrence		Site: 2000-04-XX
	Presumed Extant Unknown		Record Last Updated: 2000-10-04
Quad Summary	Birds Landing (3812127/481A)		
County Summary			
Lat/Long:	38.21953º / -121.76010º		Township: 04N
	Zone-10 N4230899 E608536		Range: 02E
Elevation	80 meters 30 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 04 Qtr: SW Meridian: M
Location	SW CORNER OF A 90-DEGREE TURN IN	ROBINSON ROAD, 0.5 MILE NORTH OF FLAN	INERY ROAD, NW OF RIO VISTA.
	BURROW IS LOCATED IN THE BOTTOM		
Ecological	HABITAT CONSISTS OF A ROADSIDE DI	TCH WITH BROKEN CONCRETE.	
Threat:	THREATENED BY DOMESTIC CATS AND	FLOODING.	
	1 ADULT OBSERVED ON MULTIPLE VISI		
Owner/Manager	: SOL COUNTY		
Occurrence No		EO Index: 43973	Dates Last Seen
Occ Rank: Origin:	Good Natural/Native occurrence		Site: 2000-05-20
•	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-10-04
	Antioch North (3812117/481D), Birds Landi	ng (3812127/481A)	
Quad Summary	: Solano		
Quad Summary County Summary			Township: 03N
County Summary	38.12518º / -121.76441º		Range: 02E
County Summary Lat/Long: UTM:	Zone-10 N4220425 E608298	Manufactor Description Operation	Section: 09 Qtr: NW
County Summary Lat/Long: UTM:	Zone-10 N4220425 E608298 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Meridian: M
County Summary Lat/Long: UTM: Radius: Elevation:	Zone-10 N4220425 E608298 80 meters 200 ft		Meridian: M
County Summary Lat/Long: UTM: Radius: Elevation: Location	Zone-10 N4220425 E608298 80 meters 200 ft : ALONG MONTEZUMA HILLS ROAD, 1 MIL	Symbol Type:POINT	Meridian: M
County Summary Lat/Long UTM: Radius: Elevation Location Location Detai	Zone-10 N4220425 E608298 80 meters 200 ft ALONG MONTEZUMA HILLS ROAD, 1 MIL BURROW ABOUT 15 FT UP ON TOP OF F	Symbol Type:POINT	Meridian: M , SW OF RIO VISTA ROAD.

burrowing owl	18	NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None		Global: G4 State: S2	CDFG Stat	us: SC	
	SOCIATIONS				
Occurrence No. Occ Rank: Origina	•	EO Index: 4397			2002-02-07 2002-02-07
Presence:	Presumed Extant Unknown		Record Last		
Quad Summary: County Summary	Liberty Island (3812136/497C), Dozier ( Solano	3812137/498D)			
Lat/Long:	38.35974º / -121.74964º		Township:	06N	
	Zone-10 N4246470 E609241		Range:		<b>e</b>
Area: Elevation:	20.8 acres 20 ft	Mapping PrecisionSF Symbol Type:PC			Qtr: SW
Location	EAST SIDE OF SIKES ROAD, JUST NO	ORTH OF SWAN ROAD, AND SW OF S	SIKES ROAD ALONG THE RR GRADE, I	NNE OF DC	DZIER
Ecological	HABITAT CONSISTS OF CONCRETE I FOR GRAZING GOATS.	RRIGATION PIPES USED AS BURRO	WS; SURROUNDED BY IRRIGATED PA	STURE AN	D GRASSLAND USED
Threat:	THREATENED BY SEASONAL FLOOD	ING, OVER-GRAZING, AND DOMEST	IC CATS.		
General:	A SINGLE OWL WAS OBSERVED USI OBSERVED USING A RUSTY PIPE AS		DV 1999; DITCH WAS FLOODED OUT E	Y 1 FEB 20	000. AT LEAST ONE OW
Owner/Manager	PVT				
Occurrence No.	. 376 Map Index: 43979	EO Index: 4397	<sup>79</sup> —	Dates Las	st Seen
Occ Rank:	Unknown				2000-02-01
-	Natural/Native occurrence			Site:	2000-02-01
	Presumed Extant Unknown		Record Last	Updated:	2000-10-04
Quad Summary:	Liberty Island (3812136/497C)				
County Summary	Solano				
Lat/Long:	38.37342º / -121.74926º		Township:	06N	
	Zone-10 N4247988 E609254		Range:		
Radius: Elevation:	80 meters 20 ft	Mapping PrecisionSF Symbol Type:PC			Qtr: SW
	EAST SIDE OF SIKES ROAD, 7 MILES				
-	HABITAT CONSISTS OF SEVERAL CO		RRIGATION DITCH; SURROUNDED BY	IRRIGATE	D PASTURE.
	THREATENED BY USE OF IRRIGATIC				
Contrain	1 OWL OBSERVED AT BURROW ON 2	29 NOV 1999. POSSIBLY A WINTERIN	G SITE; OWL NOT OBSERVED AFTER	1 FEB 2000	).
Owner/Manager	: PVT				
Occurrence No.		EO Index: 4398		Dates Las	
Occ Rank:					2000-05-20 2000-05-20
-	Natural/Native occurrence Presumed Extant			Site:	2000-03-20
	Unknown		Record Last	Updated:	2000-10-10
Quad Summary:	Dozier (3812137/498D)				
County Summary	: Solano				
	38.30605º / -121.78778º		Township:		
• • • • •	Zone-10 N4240468 E605987	Manala a Barak i OS	Range:		Of the RE
Radius: Elevation:	80 meters 10 ft	Mapping PrecisionSF Symbol Type:PC			Qtr: SE
	NORTH OF ULATIS CREEK, 1.6 MILES				
Ecological	HABITAT CONSISTS OF A BURROW I APPEARED TO BE INACTIVE.	N A LOW, CLEARED MOUND IN A SH	EEP PATURE; OTHER MOUNDS WITH	BURROWS	IN THE VICINITY
Threat:	THREATENED BY CLEARING, PLOWI	NG, OR BURNING.			
General:	1 OWL FIRST OBSERVED USING THIS	S BURROW SITE ON 3 FEB 2000.			

burrowing owl			Ilement Code: ABNSB10010
Federal: None	us	NDDB Element Ranks Global: G4	CDFG Status: SC
State: None		State: S2	CDFG Status. 30
	ssociations —		
		S, DESERTS & SCRUBLANDS CHARACTER	RIZED BY LOW-GROWING VEGETATION
		URROWING MAMMALS, MOST NOTABLY, 1	
Occurrence No.	. 378 Map Index: 44008	EO Index: 44008	Dates Last Seen
Occ Rank:	•		Element: 2000-05-20
-	Natural/Native occurrence		Site: 2000-05-20
	Presumed Extant		Record Last Updated: 2000-10-11
Trend:	Unknown		Record Last opulled. 2000-10-11
Quad Summary: County Summary	: Dozier (3812137/498D)		
-	38.29296º / -121.79569º Zone-10 N4239006 E605314		Township: 05N Range: 02E
	: 80 meters	Mapping PrecisionSPECIFIC	Section: 07 Qtr: NE
Elevation:		Symbol Type:POINT	Meridian: M
Location			INE PRAIRIE SCHOOL, NORTH OF RIO VISTA
		OKEN CONCRETE, ABOUT 50 FEET EAST C	
-			SURROUNDED BY CATTLE/SHEEP PASTURE.
	: 1 ADULT FIRST OBSERVED AT THE BUR	ROW SITE ON 16 NOV 1999.	
Owner/Manager	: PVT		
Occurrence No.	. 379 Map Index: 44010	EO Index: 44010	Dates Last Seen
Occ Rank:	•		Element: 1999-12-15
	Natural/Native occurrence		Site: 1999-12-15
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-10-11
Quad Summary:	: Dozier (3812137/498D)		
County Summary	: Solano		
Lat/Long:	: 38.28760°/-121.79583°		Township: 05N
	Zone-10 N4238411 E605310		Range: 02E
Area: Elevation:	9.5 acres	Mapping PrecisionSPECIFIC	Section: 07 Qtr: SE Meridian: M
Elevation.	. 101	Symbol Type:POLYGON	
			IE PRAIRIE SCHOOL, NORTH OF RIO VISTA
Location Detail	I:TWO BURROWS LOCATED IMMEDIATEL	Y EAST OF THE FENCE ON THE EAST SIDE	E OF SALEM ROAD.
Ecological	I: SITE CONSISTS OF TWO BURROWS: ON METAL PIPE BEING USED AS A BURROV		ILLOW" FORTIFICATION AT THE SLOUGH TRIBUTARY AND
Threat:	THREATENED BY FLOODING.		
		NOV 1999; BOTH BURROWS WERE FLOODI	ED ON 30 NOV 1999, BUT THE OWL RETURNED AFTER THI
	FLOOD WATERS RECEDED (BY 15 DEC		
Owner/Manager	: PVT		
Occurrence No.	. 380 Map Index: 44012	EO Index: 44012	Dates Last Seen
Occurrence No. Occ Rank:	•	LU IIIUEA. 44012	Element: 2000-01-31
	Natural/Native occurrence		Site: 2000-01-31
Origin: Presence:	Presumed Extant		
Origin: Presence:			Record Last Updated: 2000-10-12
Origin: Presence: Trend:	Presumed Extant		Record Last Updated: 2000-10-12
Origin: Presence: Trend:	: Presumed Extant Unknown : Dozier (3812137/498D)		Record Last Updated: 2000-10-12
Origin: Presence: Trend: Quad Summary: County Summary	: Presumed Extant Unknown : Dozier (3812137/498D)		Record Last Updated: 2000-10-12 Township: 06N
Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: Presumed Extant : Unknown : Dozier (3812137/498D) : Solano		
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	: Presumed Extant Unknown : Dozier (3812137/498D) r: Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters	Mapping PrecisionSPECIFIC	Township: 06N Range: 02E Section: 32 Qtr: WW
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: Presumed Extant Unknown : Dozier (3812137/498D) r: Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 06N Range: 02E
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: Presumed Extant Unknown : Dozier (3812137/498D) r: Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters	Symbol Type:POINT	Township: 06N Range: 02E Section: 32 Qtr: WW
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Presumed Extant : Unknown : Dozier (3812137/498D) : Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters : 15 ft : 0.2 MILE EAST OF MAINE PRAIRIE SCHC	Symbol Type:POINT	Township: 06N Range: 02E Section: 32 Qtr: WW
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	: Presumed Extant : Unknown : Dozier (3812137/498D) : Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters : 80 meters : 15 ft : 0.2 MILE EAST OF MAINE PRAIRIE SCHC I: TWO DRAIN PIPE BURROWS BEING USE	Symbol Type:POINT	Township: 06N Range: 02E Section: 32 Qtr: VW Meridian: M E AND ONE ON THE SOUTH SIDE OF MAINE PRAIRIE ROA
Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail Ecological	: Presumed Extant : Unknown : Dozier (3812137/498D) : Solano : 38.32925° / -121.78297° Zone-10 N4243048 E606374 : 80 meters : 80 meters : 15 ft : 0.2 MILE EAST OF MAINE PRAIRIE SCHC I: TWO DRAIN PIPE BURROWS BEING USE	Symbol Type:POINT DOL, 8 MILE SSE OF DIXON ED BY THIS OWL; ONE ON THE NORTH SID RROWS ON BOTH SIDES OF THE ROAD; SU	Township: 06N Range: 02E Section: 32 Qtr: VW Meridian: M E AND ONE ON THE SOUTH SIDE OF MAINE PRAIRIE ROA

burrowing owl State	JS	NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None		Global: G4 State: S2	CDFG Sta	us: SC	
	Sociations DRY ANNUAL OR PERENIAL GRASSLAND RRANEAN NESTER, DEPENDENT UPON E				
Occurrence No.	. 381 Map Index: 44013	EO Index: 44013		Dates Las	st Seen
Occ Rank:	Fair Natural/Native occurrence				2000-05-XX 2000-05-XX
Presence:	Presumed Extant Unknown		Record Las		2000-10-12
Quad Summary: County Summary	Dozier (3812137/498D) : Solano				
	38.33658º / -121.75848º		Township:		
	Zone-10 N4243889 E608504 80 meters	Mapping PrecisionSPE	CIFIC Section:		Qtr: SW
Elevation:	15 ft	Symbol Type:POIN			
	ALONG BUNKER ROAD, 1.5 MILES ENE			EA IS ROV	W CROPS AND
_	PASTURE.				
	THREATENED BY POTENTIAL PIPE MOV 1 OWL OBSERVED USING BURROWS BE				
Owner/Manager		ETWEEN JAN-WAT 2000.			
Occurrence No.	382 Map Index: 44037	EO Index: 44037		Dates Las	st Seen
Occ Rank:					2000-05-20 2000-05-20
-	Natural/Native occurrence Presumed Extant			one.	2000-03-20
Trend:	Unknown		Record Las	t Updated:	2000-10-16
Quad Summary: County Summary	Dozier (3812137/498D) : Solano				
-	38.35749º / -121.75254º		Township:	06N	
	Zone-10 N4246217 E608991 80 meters	Mapping PrecisionSPE	Range: CIFIC Section:		Qtr: NE
Elevation:		Symbol Type:POIN			
Location	0.1 MILE SOUTH OF SWAN ROAD AND 0	.2 MILE WEST OF SIKES ROAD, SE	OF DIXON		
Ecological	BURROW CONSISTS OF A CORRUGATE PASTURE.	D METAL PIPE IN AN ABANDONED I	ELEVATED RAILROAD RIGHT-OF-W	ϞΥ; SURRC	OUNDED BY GRAZE
	THREATENED BY NON-NATIVE PREDAT	, ,			
General: Owner/Manager	SINGLE ADULT FIRST OBSERVED AT BU	JRROW ON 18 DEC 1999.			
Owner/Manager					
Occurrence No.	•	EO Index: 44038		Dates Las	
Occ Rank: Origin:	Good Natural/Native occurrence				2000-05-20 2000-05-20
Presence:	Presumed Extant				
Trend:	Unknown		Record Las	Updated:	2000-10-16
-	Dozier (3812137/498D)				
County Summary					
•	38.35821º / -121.75550º Zone-10 N4246293 E608732		Township: Range:		
Radius:	80 meters	Mapping PrecisionSPE	CIFIC Section:	21	Qtr: NE
Elevation:	20 ft	Symbol Type:POIN	T Meridian:	М	
Location	NORTH AND SOUTH OF SWAN ROAD, 0.	3 MILE WEST OF SIKES ROAD, SE C	F DIXON		
-	BURROWS LOCATED IN GRAZED GRAS GRAZED PASTURELAND.			OWS ARE S	SURROUNDED BY
	THREATENED BY ROAD MAINTENANCE				
General:	3 OWLS (2 ADULTS/1 JUV) FIRST OBSER	RVED AT THE BURROW SOUTH OF 1 JAN 2000.	HE ROAD ON 3 JAN 2000 AND 2 AD	ULT OWLS	OBSERVED AT TH

burrowing owl			Element Code: ABNSB10010 Other Lists		
Federal: None	ls —	<ul> <li>NDDB Element Ranks</li> <li>Global: G4</li> </ul>	CDFG State		
State: None		State: S2	CDFG State	13. 30	
	sociations —				
	DRY ANNUAL OR PERENIAL GRASSLAN	DS, DESERTS & SCRUBLANDS CHARAG	TERIZED BY LOW-GROWING VEG	ETATION	I.
Micro: SUBTER	RRANEAN NESTER, DEPENDENT UPON	BURROWING MAMMALS, MOST NOTAE	LY, THE CALIFORNIA GROUND SC	QUIRREL.	
Occurrence No.	. 384 <b>Map Index:</b> 44044	EO Index: 44044		Dates La	st Seen
Occ Rank:	Fair		E		2000-04-28
-	Natural/Native occurrence			Site:	2000-04-28
	Presumed Extant Unknown		Record Last	Updated:	2000-10-16
Quad Summary:	Dozier (3812137/498D)				
County Summary	: Solano				
Lat/Long:	38.35736º / -121.75862º		Township:	06N	
	Zone-10 N4246195 E608460		Range:		_
	80 meters				Qtr: XX
Elevation:		Symbol Type:POINT	Meridian:	M	
Location	JUST SOUTH OF THE SWAN ROAD/BIN	GHAMPTON ROAD CURVE, SE OF DIXC	DN .		
Ecological	HABITAT CONSISTS OF A VACANT COR	RNER WITH RUDERAL VEGETATION.			
Threat:	THREATENED BY NON-NATIVE PREDA	TORS (FERAL CATS) AND VEHICLES.			
General:	A SINGLE OWL WAS OBSERVED AT TH SINGLE OWL WAS OBSERVED USING /	IE NORTHERNMOST BURROW ON THE A BURROW ON THE WEST EDGE OF TH			
Owner/Manager	SOL COUNTY				
Occurrence No.	. 385 <b>Map Index:</b> 44099	EO Index: 44099		Dates La	st Seen
Occ Rank:			E	Element:	2000-05-20
Origin:	Natural/Native occurrence			Site:	2000-05-20
	Presumed Extant		Record Last	Undated.	2000-10-24
Trend:	Unknown		Necolu Last	opuateu.	2000-10-24
	Saxon (3812146/497B)				
County Summary	Solano				
	38.38755°/-121.74942°		Township:		
	Zone-10 N4249556 E609219 80 meters	Mapping PrecisionSPECI	FIC Section:		Qtr: SE
Elevation:		Symbol Type:POINT	Meridian:		GU. JE
Location	WEST SIDE OF SIKES ROAD, 0.5 MILE	SOUTH OF TREFOIL ROAD, SE OF DIXC	N		
Location Detail	BURROW ENTRANCE IS NEARLY VERT	FICAL AND IS LOCATED ABOUT 20 FEET	WEST OF SIKES ROAD.		
	BURROW SITE CONSISTS OF AN OLD IRRIGATION CANAL			IED CULV	ERT CROSSING AN
Threat:	THREATENED BY VEHICLE TRAFFIC AI	ND POTENTIAL BLOCKAGE OF BURRO	V ENTRANCE.		
	1 OWL FIRST OBSERVED AT THE BURI				
Owner/Manager					
Occurrence No.	. 386 <b>Map Index:</b> 44101	EO Index: 44101		Dates La	st Seen
Occ Rank:	•				2000-05-20
Origin:	Natural/Native occurrence			Site:	2000-05-20
	Presumed Extant Unknown		Record Last	Updated:	2000-10-24
	Saxon (3812146/497B)				
County Summary					
Lat/Long:	38.39422º / -121.74898º		Township:	06N	
	Zone-10 N4250296 E609247		Range:	02E	
	80 meters				Qtr: SW
Elevation:			Meridian:	IVI	
	EAST SIDE OF SIKES ROAD, JUST SOU BURROW IS LOCATED ABOUT 30 FEET				
	BURROW CONSISTS OF A 4-INCH IRRI		RRIGATED PASTURE		
Ecological					
U U	THREATENED BY ELOODING (IE IDDIG				
Threat:	THREATENED BY FLOODING (IF IRRIG 1 OWL FIRST OBSERVED AT THE BUR	,			

burrowing owl Statu	-		Element Code: ABNSB10010 Other Lists	
Federal: None	5	NDDB Element Ranks Global: G4	CDFG Status:	SC
State: None		State: S2		
General: ODEN D				
	RY ANNUAL OR PERENIAL GRASSLANDS RANEAN NESTER, DEPENDENT UPON BU			
Occurrence No.	387 <b>Map Index:</b> 44102	EO Index: 44102	Da	tes Last Seen
Occ Rank:			Eler	nent: 2000-05-20
-	Natural/Native occurrence Presumed Extant			Site: 2000-05-20
	Unknown		Record Last Up	dated: 2000-10-24
Quad Summary: County Summary:	Saxon (3812146/497B) Solano			
	38.39446º / -121.74393º		Township: 06	N
-	Zone-10 N4250329 E609688		Range: 02	
Radius: Elevation:	80 meters 20 ft	Mapping PrecisionSPECI Symbol Type:POINT		Qtr: NW
	TREFOIL ROAD, 0.3 MILE EAST OF SIKES BURROWS OPEN TO THE SOUTH, FACING			
	BURROWS CONSIST OF TWO 4-INCH PVC		ON DITCH.	
-	THREATENED BY FLOODING (IF IRRIGAT			
	1 OWL FIRST OBSERVED USING BOTH BI			
Owner/Manager:				
~				
Occurrence No.	•	EO Index: 44122		tes Last Seen nent: 2003-05-05
Occ Rank: Origin:	⊢air Natural/Native occurrence		Elei	Site: 2003-05-05
	Presumed Extant			
Trend:	Unknown		Record Last Up	dated: 2003-05-07
Quad Summary:	Saxon (3812146/497B)			
County Summary:	Solano			
-	38.40059º / -121.72126º Zone-10 N4251037 E611658		Township: 06	
	80 meters	Mapping PrecisionSPECI	FIC Section: 02	
Elevation:	25 ft	Symbol Type:POINT	Meridian: M	
Location:	EAST SIDE OF BULKLEY ROAD, JUST SO	JTH OF KING ROAD, ESE OF DIXON		
	1989 BURROW LOCATED IN A BARNYARE FACES EAST, AWAY FROM THE ROAD. 5/			
-	BURROW SURROUNDED BY RANCH BUIL THREATENED BY FERAL CATS AND MOV			ND SHEEP GRAZING NEARE
	1 ADULT OWL OBSERVED AT THE BURRO	W ON 2 JUL 1989. 1 OWL OBSERVE	D AT THE BURROW ON 18 NOV 1999.	5/5/2003 2 BIRDS SEEN,
	BURROW ASSUMED NEARBY.			
Owner/Manager:				
Occurrence No.	389 Map Index: 44131	EO Index: 44131		tes Last Seen
Occ Rank:			Eler	nent: 2000-05-20 Site: 2003-05-05
	Natural/Native occurrence Presumed Extant			UNG. 2000-00-00
	Unknown		Record Last Up	dated: 2003-05-07
Quad Summary:	Saxon (3812146/497B)			
County Summary:	Solano			
-	38.47758º / -121.72194º		Township: 07	
	Zone-10 N4259579 E611480 80 meters	Mapping PrecisionSPECI	FIC Range: 02 FIC Section: 02	
Radius		Symbol Type:POINT	Meridian: M	
Radius: Elevation:				
Elevation:	WEST SIDE OF BULKLEY ROAD, 1.25 MILE	ES SOUTH OF TREMONT ROAD, 8 M	LES SOUTH OF DAVIS	
Elevation: Location:	WEST SIDE OF BULKLEY ROAD, 1.25 MILE OWL USES TWO BURROWS ON THE WES		LES SOUTH OF DAVIS	
Elevation: Location: Location Detail: Ecological:		T SIDE OF BULKLEY ROAD. IE BASE OF A CULVERT AND A BUR	ROW AT THE BERM OF AN IRRIGATIO	

burrowing owl			nt Code: ABNSB10010	
Stat	us	NDDB Element Ranks	Other Lists	
Federal: None State: None		Global: G4 State: S2	CDFG Status: SC	
		State: 52		
		DS, DESERTS & SCRUBLANDS CHARACTERIZED		
MICRO: SUBTE	RRANEAN NESTER, DEPENDENT UPON I	BURROWING MAMMALS, MOST NOTABLY, THE C	ALIFORNIA GROUND SQUIRREL.	
Owner/Manager	: UNKNOWN			
Occurrence No	. 390 Map Index: 44140	<b>EO Index:</b> 44140	Dates Las	st Seen
Occ Rank:	Fair		Element:	2000-05-20
Origin:	Natural/Native occurrence		Site:	2000-05-20
Presence:	Presumed Extant			
Trend:	Unknown		Record Last Updated:	2000-10-25
Quad Summary	: Dixon (3812147/498A)			
County Summary	: Solano			
Lat/Long:	38.41090°/-121.82302°		Township: 07N	
-	Zone-10 N4252062 E602758		Range: 01E	
Radius:	80 meters	Mapping PrecisionSPECIFIC	Section: 35	Qtr: NE
Elevation	50 ft	Symbol Type:POINT	Meridian: M	
Location				
		SUUTH OF MIDWAT RUAD. Z MILES SUUTH OF L	JIAUN	
		SOUTH OF MIDWAY ROAD, 2 MILES SOUTH OF D		
Location Detai	BURROW IS LOCATED ALONG AN AGR	ICULTURAL CANAL BANK, FACING EAST TOWARI	D HIGHWAY 113, ABOUT 50 FEET	FROM THE ROAD.
Location Detai	BURROW IS LOCATED ALONG AN AGR		D HIGHWAY 113, ABOUT 50 FEET	FROM THE ROAD.
Location Detai Ecological	BURROW IS LOCATED ALONG AN AGR	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI	D HIGHWAY 113, ABOUT 50 FEET	FROM THE ROAD.
Location Detai Ecological Threat:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRR	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI NANCE.	D HIGHWAY 113, ABOUT 50 FEET	FROM THE ROAD.
Location Detai Ecological Threat:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI NANCE.	D HIGHWAY 113, ABOUT 50 FEET	FROM THE ROAD.
Location Detai Ecological Threat: General: Owner/Manager	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION.	
Location Detai Ecological Threat: General: Owner/Manager Occurrence No	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI NANCE.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat	st Seen
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank:	BURROW IS LOCATED ALONG AN AGR BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element:	
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element:	st Seen 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element:	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element: Site:	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	BURROW IS LOCATED ALONG AN AGR BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown 5 Denverton (3812128/481B)	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element: Site:	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 4440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Laa Element: Site: Record Last Updated:	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	BURROW IS LOCATED ALONG AN AGR BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.21330° / -121.96547°	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates La: Element: Site: Record Last Updated: Township: 04N	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 4440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000. <b>EO Index:</b> 47371	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Laa Element: Site: Record Last Updated:	st Seen 2001-03-XX 2001-03-XX
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.21330° / -121.96547° Zone-10 N4229987 E590566 80 meters	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Lat Element: Site: Record Last Updated: Township: 04N Range: 01W	st Seen 2001-03-XX 2001-03-XX 2002-03-06
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.21330° / -121.96547° Zone-10 N4229987 E590566 80 meters	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000. EO Index: 47371 Mapping PrecisionSPECIFIC	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Las Element: Site: Record Last Updated: Township: 04N Range: 01W Section: 10	st Seen 2001-03-XX 2001-03-XX 2002-03-06
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.21330° / -121.96547° Zone-10 N4229987 E590566 80 meters 150 ft : POTRERO HILLS, SE OF FAIRFIELD	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000. EO Index: 47371 Mapping PrecisionSPECIFIC Symbol Type:POINT	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Las Element: Site: Record Last Updated: Township: 04N Range: 01W Section: 10 Meridian: M	st Seen 2001-03-XX 2001-03-XX 2002-03-06 Qtr: NW
Location Detai Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological	BURROW IS LOCATED ALONG AN AGRI BURROW IS AN OLD GROUND SQUIRRI THREATENED BY CANAL USE/MAINTEN BREEDING PAIR FIRST OBSERVED AT UNKNOWN 440 Map Index: 47371 Good Natural/Native occurrence Presumed Extant Unknown 5 Denverton (3812128/481B) 5 Solano 5 38.21330° / -121.96547° Zone-10 N4229987 E590566 80 meters 5 150 ft 5 POTRERO HILLS, SE OF FAIRFIELD 5 HABITAT CONSISTS OF GRAZED ANNU	ICULTURAL CANAL BANK, FACING EAST TOWARI EL BURROW, ON A CANAL BANK THAT IS CLEARI VANCE. THE BURROW ON 7 MAR 2000. EO Index: 47371 Mapping PrecisionSPECIFIC Symbol Type:POINT IAL GRASSLAND WITH SCATTERED STOCK PONE IN THE VICINITY.	D HIGHWAY 113, ABOUT 50 FEET ED OF ALL VEGETATION. — Dates Las Element: Site: Record Last Updated: Township: 04N Range: 01W Section: 10 Meridian: M	st Seen 2001-03-XX 2001-03-XX 2002-03-06 Qtr: NW

burrowing owl		NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None	13	Global: G4 State: S2	CDFG State	u <b>s</b> : SC	
Habitat As					
	DRY ANNUAL OR PERENIAL GRASSLAN RRANEAN NESTER, DEPENDENT UPON				
Occurrence No.	•	EO Index: 4802	-	Dates Las	
Occ Rank: Origin:	Poor Natural/Native occurrence		E		2002-05-07 2003-05-05
Presence:	Presumed Extant Unknown		Record Last		
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano				
	38.38828º / -121.72473º		Township:	06N	
-	Zone-10 N4249666 E611374		Range:		
Radius: Elevation:	80 meters	Mapping PrecisionSP Symbol Type:PC			Qtr: SW
	: SACRAMENTO NORTHERN RAILROAD I:BURROW IS LOCATED ON THE SIDE C				
	: HABITAT SURROUNDING THE BURRO				
-	AT LEAST 1 ADULT OWL WAS FLUSHE				
Owner/Manager:					
Occurrence No.	. 458 Map Index: 48142	EO Index: 4814	.2	Dates Las	t Seen
Occ Rank:	•			Element:	2002-04-18
-	Natural/Native occurrence			Site:	2002-04-18
	Presumed Extant Unknown		Record Last	Updated:	2002-06-19
-	: Dozier (3812137/498D)				
County Summary	: Solano				
-	38.35330º / -121.75624º		Township:		
	Zone-10 N4245747 E608674 80 meters	Mapping PrecisionSP	PECIFIC Section:		Qtr: NE
Elevation:		Symbol Type:PC			
Location	ALONG THE SACRAMENTO NORTHER	N RR GRADE, 0.2 MILE NE OF THE I	NTERSECTION OF BINGHAMTOM AND	SWAN RO	DADS, NNE OF DOZIE
Ecological	: HABITAT SURROUNDING BURROWS C FIELDS.	CONSISTS OF GRAZED NON-NATIVE	GRASSLAND, WITH SOME VERNAL P	OOLS ANI	AGRICULTURAL
General:	1+ OWLS OBSERVED USING BURROW	/ ON 7 FEB AND 18 APR 2002.			
Owner/Manager:	: PVT				
Occurrence No.		EO Index: 4814		Dates Las	
Occ Rank:			E		2002-05-XX 2003-05-05
-	Natural/Native occurrence Presumed Extant			JILE.	2000 00-00
	Unknown		Record Last	Updated:	2003-05-07
Quad Summary: County Summary	: Saxon (3812146/497B)				
	38.45231º/-121.66769º		Township:	07N	
-	Zone-10 N4256842 E616253		Range:		
Area:		Mapping PrecisionNC	ON-SPECIFIC Section:	17	Qtr: XX
Elevation:	15 tt	Symbol Type:PC	DLYGON Meridian:	M	
	ALONG THE ABANDONED SACRAMEN				
Location Detail	BURROWS ARE PRESENT IN OLD RR ( PROVIDE PERCHES.	GRADE AND IN BERMS THAT BORD	ER SOME DITCHES. FENCE POSTS AN	ND OLD RA	ILROAD DETRITUS
Ecological	HABITAT SURROUNDING BURROWS C ON THE SITE.	CONSISTS OF GRAZED NON-NATIVE	GRASSLAND, WITH SOME VERNAL P	OOLS. 5/5	2003 CATTLE GRAZIN
	THREATENED BY THE LACK OF BURR	OWING MAMMALS (GROUND SQUIF	RRELS); MOST OF THE EXISTING BUR	ROWS AR	E ARTIFICIAL. CATTLE
Threat:					
	4+ OWLS OBSERVED AT BURROW SIT HIDING BURROW SITES.		0 BIRDS OBSERVED, HIGH GREEN GH	RASS DUE	TO LATE RAINS MA

burrowing owl State		NDDB Element Ranks	Element Code: ABNSB10010 Other Lists	
Federal: None State: None	15	Global: G4 State: S2	CDFG Stat	tus: SC
General: OPEN,		SLANDS, DESERTS & SCRUBLANDS CH		
Occurrence No	•	649 <b>EO Index:</b> 4864		Dates Last Seen
Presence:	Fair Natural/Native occurrence Presumed Extant Unknown			Element: 2002-03-26 Site: 2002-03-26 t Updated: 2002-08-22
Quad Summary	: Dixon (3812147/498A)			
County Summary				
UTM:	: 38.43112º / -121.83323º Zone-10 N4254295 E601838 23.0 acres : 56 ft	Mapping PrecisionSF Symbol Type:PC		01E 26 <b>Qtr:</b> NW
Location				
		OF HWY 113 & MIDWAY RD, 0.75 MILE S THE BERM SURROUNDING THE "PONE		H COLLECTS RUN-OFF FOR
Ecological	: HABITAT SURROUNDING BURRO	WS IS DOMINATED BY WEEDY, INVASIV	E PLANT SPECIES.	
Threat:	THREATENED BY DEVELOPMENT	OF SURROUNDING AREA.		
General	4 ADULTS AND ONE JUVENILE OF	BSERVED AT TWO BURROWS ON 26 MA	R 2002.	
Owner/Manager	: CITY OF DIXON			
Occurrence No	. 482 Map Index: 486	654 EO Index: 4865	54	Dates Last Seen
Occ Rank:	None			Element: XXXX-XX-XX
-	Natural/Native occurrence			Site: 1989-07-01
	Possibly Extirpated Unknown		Record Las	t Updated: 2002-08-22
	Dixon (3812147/498A), Allendale (3			
County Summary				
-	38.40223º / -121.86956º Zone-10 N4251049 E598706		Township:	
	2/5 mile	Mapping PrecisionNO	CN-SPECIFIC Section:	
Elevation	60 ft	Symbol Type:PC	DINT Meridian:	Μ
Location	: 3.8 MILES SW OF DIXON; ALONG	WEBER ROAD BETWEEN BATAVIA ROA	D AND FOX ROAD.	
General	HISTORIC SITE. INDIVIDUALS NO	T DETECTED ON 1 JUL 1989.		
	: UNKNOWN			
Owner/Manager				
	483 Map Index: 486	355 EO Index: 4865	55 —	Dates Last Seen
Owner/Manager Occurrence No Occ Rank:	•	655 <b>EO Index:</b> 4865		Dates Last Seen Element: XXXX-XX-XX
Occurrence No Occ Rank: Origin:	None Natural/Native occurrence	355 <b>EO Index:</b> 4865		
Occurrence No Occ Rank: Origin: Presence:	None	355 EO Index: 486		Element: XXXX-XX-XX
Occurrence No Occ Rank: Origin: Presence: Trend:	None Natural/Native occurrence Possibly Extirpated	355 EO Index: 4864		Element: XXXX-XX-XX Site: 1989-07-01
Occurrence No Occ Rank: Origin: Presence: Trend:	None Natural/Native occurrence Possibly Extirpated Unknown Dixon (3812147/498A)	355 EO Index: 4864		Element: XXXX-XX-XX Site: 1989-07-01
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	None Natural/Native occurrence Possibly Extirpated Unknown Dixon (3812147/498A) : Solano 38.43114º / -121.82266º	355 EO Index: 4864	Record Lasi	Element: XXXX-XX-XX Site: 1989-07-01 t Updated: 2002-08-22 07N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	None Natural/Native occurrence Possibly Extirpated Unknown Dixon (3812147/498A) : Solano 38.43114° / -121.82266° Zone-10 N4254309 E602760		Record Last Township: Range:	Element: XXXX-XX-XX Site: 1989-07-01 t Updated: 2002-08-22 07N 01E
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	None Natural/Native occurrence Possibly Extirpated Unknown Dixon (3812147/498A) : Solano : 38.43114° / -121.82266° Zone-10 N4254309 E602760 1/5 mile	655 EO Index: 4865 Mapping PrecisionNC Symbol Type:PC	Record Last Township: Range: DN-SPECIFIC Section:	Element: XXXX-XX-XX Site: 1989-07-01 t Updated: 2002-08-22 07N 01E 26 Qtr: XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	None Natural/Native occurrence Possibly Extirpated Unknown Dixon (3812147/498A) : Solano : 38.43114° / -121.82266° Zone-10 N4254309 E602760 1/5 mile	Mapping PrecisionN0 Symbol Type:P0	Record Last Township: Range: DN-SPECIFIC Section:	Element: XXXX-XX-XX Site: 1989-07-01 t Updated: 2002-08-22 07N 01E 26 Qtr: XX

burrowing owl State	18	NDDB Element Ranks	Element Code: ABNSB10010  Other Lists
Federal: None State: None		Global: G4 State: S2	CDFG Status: SC
Habitat As			
		DS, DESERTS & SCRUBLANDS CHARACTE BURROWING MAMMALS, MOST NOTABLY,	
Occurrence No.	484 Map Index: 48656	EO Index: 48656	Dates Last Seen
-	Natural/Native occurrence		Element: XXXX-XX-XX Site: 1989-07-01
	Possibly Extirpated Unknown		Record Last Updated: 2002-08-22
Quad Summary: County Summary	Dixon (3812147/498A) : Solano		
	38.44354º / -121.81439º Zone-10 N4255694 E603464		Township: 07N Range: 01E
	1/5 mile	Mapping PrecisionNON-SPEC Symbol Type:POINT	
Location	DIXON; SOUTH OF DIXON AVENUE EAS	AT THE LITTLE LEAGUE FIELD.	
General: Owner/Manager	HISTORIC SITE. INDIVIDUALS NOT DET	ECTED ON 1 JUL 1989.	
Occurrence No.	. 485 <b>Map Index:</b> 48658	EO Index: 48658	Dates Last Seen
Occ Rank:			Element: XXXX-XX-XX Site: 1989-07-01
	Possibly Extirpated Unknown		Record Last Updated: 2002-08-22
	Dixon (3812147/498A)		
County Summary Lat/Long:	38.41754º / -121.80615º		Township: 07N
	Zone-10 N4252818 E604221 1/5 mile 45 ft	Mapping PrecisionNON-SPEC Symbol Type:POINT	Range: 01E CIFIC Section: 25 Qtr: SE Meridian: M
Location	2 MILES SE OF DIXON; NW CORNER OF	FINTERSECT OF PEDRICK ROAD AND MID	WAY ROAD.
General: Owner/Manager	HISTORIC SITE. INDIVIDUALS NOT DET	ECTED ON 1 JUL 1989.	
Occurrence No.	490 Map Index: 48680	EO Index: 48680	Dates Last Seen
•	Fair Natural/Native occurrence		Element: 1989-01-07 Site: 2003-05-05
	Presumed Extant Unknown		Record Last Updated: 2003-05-07
Quad Summary: County Summary	Saxon (3812146/497B) : Solano		
-	38.41539º / -121.72042º Zone-10 N4252680 E611709		Township: 07N Range: 02E
	1/5 mile	Mapping PrecisionNON-SPEC Symbol Type:POINT	-
Location	SE CORNER OF MIDWAY ROAD AND BU	JCKLEY ROAD; 1 MILE NNW LIBFARM.	
Ecological	AREA PRIMARILY IN FARMING. 5/5/2003 RECENTLY PLOWED. SEVERAL HOLES		E VEGETATION, PROBABLY NEWLY CUT. AGRICULTUR
	FARMING MAY BE A THREAT	IN CUI VERTS ON 30 JAN 1982 NOT SEEN	IN 1987 OR 1988. SEEN AGAIN 7 JAN 1989. 5/5/2003 NO
General.	SEEN.	A SELVENTO ON SO DAN 1902. NOT DEEN	

rrowing owl					Element Code: ABN	12010010		
Stat	us ———			ment Ranks	Ot	ther Lists		
Federal: None			Global:			CDFG Stat	us: SC	
State: None			State:	S2				
Habitat A	ssociations —							
General: OPEN,	DRY ANNUAL OF	R PERENIAL GR	ASSLANDS, DESERTS	S & SCRUBLANDS CHARACT	ERIZED BY LOW-GR	OWING VE	GETATION	
Micro: SUBTE	RRANEAN NEST	ER, DEPENDEN	IT UPON BURROWING	MAMMALS, MOST NOTABLY	, THE CALIFORNIA	GROUND S	QUIRREL.	
Occurrence No	. 556	Map Index:	50573	EO Index: 50573			Dates La	st Seen
Occ Rank	Excellent						Element:	2002-12-10
Origin	Natural/Native o	occurrence					Site:	2002-12-10
Presence	Presumed Extar	nt						
Trend	Unknown				I	Record Last	Updated:	2003-03-12
Quad Summary	: Fairfield South (	(3812221/482A)						
County Summary	: Solano							
Lat/Long	: 38.15599º/-12	2.11612º				Township:	04N	
UTM:	Zone-10 N4223	492 E577438				Range:	02W	
Radius	80 meters			Mapping PrecisionSPECIFIC	)	Section:	32	Qtr: NW
Elevation	: 132 ft			Symbol Type:POINT		Meridian:	Μ	
Threat General	BUOW WHITEV	WASH AND PELL BY CONSTRUC OBSERVED IN	LETS. SURROUNDING	G MIXED HERBACEOUS PLA AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1	00+ POTEN	TIAL BURF	ROWS, SOME Y
Threat General	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND	WASH AND PELL BY CONSTRUC OBSERVED IN	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002.	AREA DOMINATED BY CATT	NTS CONTAINING 1		Dates La	st Seen
Threat General Owner/Manager Occurrence No Occ Rank	BUOW WHITEV : THREATENED : 2 INDIVIDUALS : SOLANO LAND . 658 : Excellent	VASH AND PELL BY CONSTRUC © OBSERVED IN © TRUST Map Index:	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002.	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1		Dates Las Element:	<b>st Seen</b> 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND 658 Excellent Natural/Native of	VASH AND PELL BY CONSTRUC OBSERVED IN TRUST Map Index:	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002.	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1		Dates La	st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence	BUOW WHITEV THREATENED 2 INDIVIDUALS COLANO LAND 658 Excellent Natural/Native c Presumed Extar	VASH AND PELL BY CONSTRUC OBSERVED IN TRUST Map Index:	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002.	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 'LE GRAZING.		Dates Las Element: Site:	st Seen 2005-06-30 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	BUOW WHITEV THREATENED 2 INDIVIDUALS : SOLANO LAND . 658 : Excellent : Natural/Native o : Presumed Extar Unknown	VASH AND PELL BY CONSTRUC © OBSERVED IN 0 TRUST Map Index: poccurrence nt	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 'LE GRAZING.		Dates Las Element: Site:	<b>st Seen</b> 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND 658 Excellent Natural/Native of Presumed Extan Unknown Dozier (381213)	VASH AND PELL BY CONSTRUC © OBSERVED IN 0 TRUST Map Index: poccurrence nt	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 'LE GRAZING.		Dates Las Element: Site:	st Seen 2005-06-30 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	BUOW WHITEV THREATENED 2 INDIVIDUALS COLANO LAND 658 Excellent Natural/Native of Presumed Extant Unknown Dozier (381213) Solano	VASH AND PELL BY CONSTRUC GOBSERVED IN D TRUST Map Index: DOCCURRENCE IN Map Index: DOCCURRENCE IN Map Index:	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 'LE GRAZING.	 Record Last	Dates La: Element: Site: Updated:	st Seen 2005-06-30 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND 658 Excellent Natural/Native of Presumed Extan Unknown Dozier (3812133 Solano 38.27762°/-12	VASH AND PELL BY CONSTRUC COBSERVED IN D TRUST Map Index: DOCCURRENCE INT 7/498D), Elmira ( 1.87958°	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 'LE GRAZING.	Record Last	Dates La: Element: Site: Updated: 05N	st Seen 2005-06-30 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	BUOW WHITEV THREATENED 2 INDIVIDUALS 3 SOLANO LAND 4 658 4 Excellent 5 Natural/Native of 5 Presumed Extar 5 Unknown 5 Dozier (3812133 7 Solano 5 38.27762° / -12 2 Jone-10 N4237	VASH AND PELL BY CONSTRUC COBSERVED IN D TRUST Map Index: DOCCURRENCE INT 7/498D), Elmira ( 1.87958°	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	E AREA DOMINATED BY CATT D FIRING RANGE.	NTS CONTAINING 1 LE GRAZING.	Record Last Township: Range:	Dates La: Element: Site: Updated: 05N 01E	st Seen 2005-06-30 2005-06-30 2007-07-12
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND 658 Excellent Natural/Native of Presumed Extar Unknown Dozier (3812133 Solano 38.27762° / -12 Zone-10 N4237	VASH AND PELL BY CONSTRUC COBSERVED IN D TRUST Map Index: DOCCURRENCE INT 7/498D), Elmira ( 1.87958°	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965	AREA DOMINATED BY CATT D FIRING RANGE. EO Index: 53965 Mapping PrecisionNON-SPE	NTS CONTAINING 1 "LE GRAZING. I	Record Last	Dates La: Element: Site: Updated: 05N 01E 17	st Seen 2005-06-30 2005-06-30
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	BUOW WHITEV THREATENED 2 INDIVIDUALS : SOLANO LAND . 658 : Excellent : Natural/Native of Presumed Extant : Unknown : Dozier (381213) : Solano : 38.27762° / -12 Zone-10 N4237 : 40 ft	VASH AND PELL BY CONSTRUC GOBSERVED IN D TRUST Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE Map Index: DOCCURRENCE DOCURRENCE Map Index: DOCURRENCE DOCURRENCE DOCURRENCE DOCURRENCE DOCURRENCE Map Index: DOCURRENCE	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965 3812138/498C)	AREA DOMINATED BY CATT D FIRING RANGE. EO Index: 53965 Mapping PrecisionNON-SPE Symbol Type:POLYGO!	NTS CONTAINING 1 LE GRAZING.	Record Last Township: Range: Section: Meridian:	Dates La: Site: Updated: 05N 01E 17 M	st Seen 2005-06-30 2005-06-30 2007-07-12 Qtr: XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior	BUOW WHITEV THREATENED 2 INDIVIDUALS SOLANO LAND 658 Excellent Natural/Native c Presumed Extar Unknown Dozier (3812133 Solano 38.27762° / -12 Zone-10 N4237 40 ft E OF THE END	VASH AND PELL BY CONSTRUC OBSERVED IN TRUST Map Index: Map Index: 000000000000000000000000000000000000	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965 3812138/498C) S AIR FORCE BASE RI	AREA DOMINATED BY CATT D FIRING RANGE. EO Index: 53965 Mapping PrecisionNON-SPE Symbol Type:POLYGO1 UNWAY, MOSTLY S OF THE N	NTS CONTAINING 1 LE GRAZING.	Record Last Township: Range: Section: Meridian: CTRACKS, 2	Dates La: Element: Site: Updated: 05N 01E 17 M MILES EA	st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior	BUOW WHITEV THREATENED 2 INDIVIDUALS 3 SOLANO LAND 4 658 5 Excellent 5 Natural/Native of 5 Presumed Extar 5 Unknown 5 Dozier (3812133 7 Solano 5 38.27762° / -12 Zone-10 N4237 5 40 ft 1: E OF THE END 1: MUZZY RANCH	VASH AND PELL BY CONSTRUC OBSERVED IN TRUST Map Index: Map Index: 000000000000000000000000000000000000	EA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965 3812138/498C) 5 AIR FORCE BASE RI OPOSED AS A MITIGA	AREA DOMINATED BY CATT D FIRING RANGE. EO Index: 53965 Mapping PrecisionNON-SPE Symbol Type:POLYGO!	NTS CONTAINING 1 LE GRAZING.	Record Last Township: Range: Section: Meridian: CTRACKS, 2	Dates La: Element: Site: Updated: 05N 01E 17 M MILES EA	st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	BUOW WHITEV THREATENED 2 INDIVIDUALS 3 SOLANO LAND 4 658 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO LAND 5 SOLANO	VASH AND PELL BY CONSTRUC OBSERVED IN TRUST Map Index: OCCURRENCE Map Index: OCCURRENCE Map Index: OCCURRENCE Map Index: OCCURRENCE Map Index: Map Index: OCCURRENCE MAP INDEX: OCCURRENCE INDEX: OCCURRENCE INDEX:	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965 3812138/498C) S AIR FORCE BASE RI OPOSED AS A MITIGA URCE. GRASSLAND, WITH V	AREA DOMINATED BY CATT D FIRING RANGE. EO Index: 53965 Mapping PrecisionNON-SPE Symbol Type:POLYGO1 UNWAY, MOSTLY S OF THE N	NTS CONTAINING 1 "LE GRAZING. " CIFIC N NORTHERN PACIFIC RRENCE: SW 1/4 OF	Township: Range: Section: Meridian: CTRACKS, 2 SW 1/4 OF LOAM SOIL	Dates La: Element: Site: Updated: Updated: 05N 01E 17 M M MILES EA SEC 10 M . OWLS U	st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica	BUOW WHITEV THREATENED 2 INDIVIDUALS 3 SOLANO LAND 658 Excellent Natural/Native of Presumed Extar Unknown 2 Dozier (3812133 7 Solano 38.27762° / -12 Zone-10 N4237 2 40 ft I: E OF THE END I: MUZZY RANCH T-R-S DATA PR I: HABITAT CONS GROUND SQUI	VASH AND PELL BY CONSTRUC GOBSERVED IN TRUST Map Index: Map Index: Map Index: Coccurrence Int 7/498D), Elmira ( 1.87958° 212 E597999 OF THE TRAVIS HAS BEEN PRI COVIDED BY SO SISTS OF OPEN IRREL BURROW	EEA OF LOW-GROWIN LETS. SURROUNDING TION OF A PROPOSEI NOV-DEC 2002. 53965 3812138/498C) S AIR FORCE BASE RI OPOSED AS A MITIGA URCE. GRASSLAND, WITH V /S, MOST COMMONLY	EO Index: 53965 EO Index: 53965 Mapping PrecisionNON-SPE Symbol Type:POLYGO UNWAY, MOSTLY S OF THE N TION BANK. PART OF OCCUI	NTS CONTAINING 1 "LE GRAZING. " CIFIC N NORTHERN PACIFIC RRENCE: SW 1/4 OF	Township: Range: Section: Meridian: CTRACKS, 2 SW 1/4 OF LOAM SOIL	Dates La: Element: Site: Updated: Updated: 05N 01E 17 M M MILES EA SEC 10 M . OWLS U	st Seen

burrowing owl State	IS	NDDB Element Ranks	Element Code: ABNSB10010 Other Lists		
Federal: None State: None		Global: G4 State: S2	CDFG Stat	us: SC	
	sociations — DRY ANNUAL OR PERENIAL GRASSLAND				1
	RRANEAN NESTER, DEPENDENT UPON E				
Occurrence No. Occ Rank:	•	EO Index: 5810			2004-07-29
•	Natural/Native occurrence Presumed Extant			Site:	2004-07-29
Trend:	Unknown		Record Las	Updated:	2004-11-15
Quad Summary:	Allendale (3812148/498B)				
County Summary	: Solano				
-	38.40217º / -121.89112º		Township:		
	Zone-10 N4251020 E596823 80 meters	Mapping PrecisionSPI	ECIFIC Section:		Qtr: XX
Elevation		Symbol Type:PO			
Location	ALONG SOUTH SIDE OF WEBER ROAD,	1.25 MILES EAST OF INTERSTATE	80, 6 MILES NORTHEAST OF VACAV	LLE.	
Ecological	BURROW CONSISTS OF A WOODPILE.				
Threat:	RELOCATION OF WOODPILE.				
General:	2 INDIVIDUALS AND MANY FEATHERS (	DBSERVED AT WOODPILE ON 29 JU	JL 2004.		
Owner/Manager	: PVT				
Occurrence No.	720 Map Index: 58227	EO Index: 5826		Dates Las	
Occ Rank:					2004-05-XX 2004-05-XX
-	Natural/Native occurrence Presumed Extant			Site.	2004-03-77
Trend:	Unknown		Record Las	Updated:	2004-11-29
Quad Summary:	Saxon (3812146/497B)				
County Summary	: Yolo				
-	38.46625° / -121.65433°		Township:		
	Zone-10 N4258406 E617396 80 meters	Mapping PrecisionSPI	ECIFIC Section:		Qtr: SW
Elevation:	15 ft	Symbol Type:PO		М	
Location	ALONG THE ROAD TO GLIDE RANCH, O	N THE EAST SIDE OF ROAD 106, 0	5 MILE NORTH OF ROAD 38 JUNCTIO	N, WEST	OF SACRAMENTO
Ecological	HABITAT SURROUNDING BURROWS CO	ONSISTS OF GRAZED GRASSLAND			
	2 ADULTS AND 4 JUVENILES WERE OB	SERVED AT A SERIES OF BURROW	S UNDERNEATH POWERLINES DUR	NG MAY 20	004.
Owner/Manager	: DFG-YOLO BASIN WA				
Occurrence No.		EO Index: 5826		Dates Las	
Occ Rank: Origin:	Good Natural/Native occurrence				2004-05-XX 2004-05-XX
Presence:	Presumed Extant				
Trend:	Unknown		Record Las	Updated:	2004-11-29
-	Dozier (3812137/498D)				
County Summary					
-	38.35390º / -121.76295º Zone-10 N4245807 E608086		Township: Range:		
	80 meters	Mapping PrecisionSPI	÷		Qtr: NW
Elevation:	20 ft	Symbol Type:PO	INT Meridian:	М	
Location	NEAR SWAN ROAD, WEST OF BUNKER	STATION ROAD, 7 MILES SSE OF I	DIXON		
Ecological	HABITAT CONSISTS OF GRAZED GRAS	SLAND.			
Threat:	THREATENED BY HABITAT LOSS.				
General	ONE CLUTCH OF 6-8 EGGS DID NOT HA	TCH, BUT A SECOND CLUTCH SUO Y 2004.	CCESSFULLY HATCHED, AS INDICAT	ED BY THE	PRESENCE OF 2

burrowing owl			code: ABNSB10010
Stat	us ———	NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G4 State: S2	CDFG Status: SC
		GIALE. 02	
	SSOCIATIONS		
		DESERTS & SCRUBLANDS CHARACTERIZED BY	
WICTO: SUBTE	KKANEAN NESTER, DEPENDENT UPON BU	RROWING MAMMALS, MOST NOTABLY, THE CALI	IFORNIA GROUND SQUIRREL.
• •	700		
Occurrence No	. 722 Map Index: 58230 : Unknown	EO Index: 58266	Dates Last Seen     Element: 2004-05-28
	: Unknown : Natural/Native occurrence		Site: 2004-05-28
-	: Presumed Extant		
Trend:	Unknown		Record Last Updated: 2004-11-29
Quad Summary	: Elmira (3812138/498C)		
County Summary	, ,		
-	: 38.31644º / -121.93445º		Township: 06N
	Zone-10 N4241463 E593149 : 80 meters	Manning ProcisionSPECIEIC	Range: 01W Section: 35 Qtr: SE
Elevation		Mapping PrecisionSPECIFIC Symbol Type:POINT	Meridian: M
Location	AT THE INTERSECTION OF MCCORY ROA	D AND NORTH GATE ROAD, SE OF VACAVILLE	
Location Detai		S ARE FOUND WITHIN THE AREA; BURROWS ARE	LOCATED UNDERNEATH A CEMENT BLOCK. A
	NEARBY CONCRETE RUBBLE PILE SERV	ES AS A POPULAR ROOSTING AREA.	
Ecologica	I: HABITAT CONSISTS OF GRAZED GRASSI	AND.	
Threat	: THREATENED BY HABITAT LOSS.		
General	: 2 ADULTS AND 4 JUVENILES OBSERVED	ON 28 MAY 2004.	
Owner/Manager			
C mici/manager			
Occurrence No	. 789 Map Index: 64581	EO Index: 64660	Dates Last Seen
Occ Rank:	•		Element: 2006-04-27
Origin	: Natural/Native occurrence		Site: 2006-04-27
	: Presumed Extant		
Trend:	Unknown		Record Last Updated: 2006-05-01
Quad Summary	: Allendale (3812148/498B)		
County Summary	r: Solano		
	: 38.40934º / -121.95412º		Township: 07N
	Zone-10 N4251752 E591313		Range: 01W
	80 meters	Mapping PrecisionSPECIFIC	Section: 34 Qtr: XX
Elevation	: 115 ft	Symbol Type:POINT	Meridian: M
Location	ALONG THE EAST EDGE OF EUBANKS RO	DAD, 0.55 MILE SOUTH OF MIDWAY ROAD, VACAV	/ILLE
	I:BURROW WAS LOCATED IN THE INTERCI		
		ALONG THE ROAD EDGE; SURROUNDED BY A VA	
Ecologica	DEVELOPMENT (MOST LOTS HAVE BEEN		ACANT LOT THAT IS RAPIDLY MOVING TOWARD
		ARK DEVELOPMENT, TRAFFIC, AND ROAD MAINT	
Therest			
		, ,	
General	: 2 ADULTS PRESENT, 19-23 APR 2006; 1 A	DULT (PRESUMABLY, THE MALE) WAS GUARDING	
General		, ,	
General Owner/Manager	:2 ADULTS PRESENT, 19-23 APR 2006; 1 A :CITY OF VACAVILLE	DULT (PRESUMABLY, THE MALE) WAS GUARDING	G THE BURROW ENTRANCE, 24-27 APR 2006.
General Owner/Manager Occurrence No	2 ADULTS PRESENT, 19-23 APR 2006; 1 A :: CITY OF VACAVILLE . 858 Map Index: 66304	, ,	G THE BURROW ENTRANCE, 24-27 APR 2006.
General Owner/Manager Occurrence No Occ Rank:	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 858 Map Index: 66304 2 Good	DULT (PRESUMABLY, THE MALE) WAS GUARDING	G THE BURROW ENTRANCE, 24-27 APR 2006.
General Owner/Manager Occurrence No Occ Rank Origin	2 ADULTS PRESENT, 19-23 APR 2006; 1 A :: CITY OF VACAVILLE . 858 Map Index: 66304	DULT (PRESUMABLY, THE MALE) WAS GUARDING	G THE BURROW ENTRANCE, 24-27 APR 2006. — Dates Last Seen — Element: 2006-02-06
General Owner/Manager Occurrence No Occ Rank: Origin Presence:	2 ADULTS PRESENT, 19-23 APR 2006; 1 A : CITY OF VACAVILLE . 858 Map Index: 66304 : Good : Natural/Native occurrence	DULT (PRESUMABLY, THE MALE) WAS GUARDING	G THE BURROW ENTRANCE, 24-27 APR 2006. — Dates Last Seen — Element: 2006-02-06
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	: 2 ADULTS PRESENT, 19-23 APR 2006; 1 A :: CITY OF VACAVILLE . 858 Map Index: 66304 : Good : Natural/Native occurrence : Presumed Extant : Unknown	DULT (PRESUMABLY, THE MALE) WAS GUARDING	THE BURROW ENTRANCE, 24-27 APR 2006.     Dates Last Seen     Element: 2006-02-06     Site: 2006-02-06
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary	: 2 ADULTS PRESENT, 19-23 APR 2006; 1 A :: CITY OF VACAVILLE . 858 Map Index: 66304 : Good : Natural/Native occurrence : Presumed Extant : Unknown : Fairfield South (3812221/482A)	DULT (PRESUMABLY, THE MALE) WAS GUARDING	THE BURROW ENTRANCE, 24-27 APR 2006.     Dates Last Seen     Element: 2006-02-06     Site: 2006-02-06
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary	: 2 ADULTS PRESENT, 19-23 APR 2006; 1 A :: CITY OF VACAVILLE . 858 Map Index: 66304 : Good : Natural/Native occurrence : Presumed Extant : Unknown : Fairfield South (3812221/482A) <i>r</i> : Solano	DULT (PRESUMABLY, THE MALE) WAS GUARDING	THE BURROW ENTRANCE, 24-27 APR 2006.     Dates Last Seen     Element: 2006-02-06     Site: 2006-02-06
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 3 Good 4 Natural/Native occurrence 5 Presumed Extant 5 Unknown 5 Fairfield South (3812221/482A) 7: Solano 5 38.23905° / -122.04768°	DULT (PRESUMABLY, THE MALE) WAS GUARDING	Contemporary Conte
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 2 Good 2 Natural/Native occurrence 3 Presumed Extant 3 Unknown 3 Fairfield South (3812221/482A) 7: Solano 3 8.23905° / -122.04768° 2 one-10 N4232768 E583339	DULT (PRESUMABLY, THE MALE) WAS GUARDING	Contemporation Contemporatio Contemporation Contemporation Contemporation Contemp
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area:	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 8 858 Map Index: 66304 2 Good 2 Natural/Native occurrence 3 Presumed Extant 3 Unknown 4 Fairfield South (3812221/482A) 7: Solano 5 38.23905°/ -122.04768° 2 Zone-10 N4232768 E583339	DULT (PRESUMABLY, THE MALE) WAS GUARDING EO Index: 66386 Mapping PrecisionNON-SPECIFIC	B THE BURROW ENTRANCE, 24-27 APR 2006.           — Dates Last Seen           Element:         2006-02-06           Site:         2006-02-06           Record Last Updated:         2006-09-21           Township:         05N           Range:         02W           Section:         35         Qtr: NE
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 3. Good 3. Natural/Native occurrence 3. Presumed Extant 4. Unknown 3. Fairfield South (3812221/482A) 7: Solano 3. 38.23905°/ -122.04768° 2. Zone-10 N4232768 E583339 3. 5 ft	DULT (PRESUMABLY, THE MALE) WAS GUARDING EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	B THE BURROW ENTRANCE, 24-27 APR 2006.           — Dates Last Seen           Element:         2006-02-06           Site:         2006-09-21           Township:         05N           Range:         02W           Section:         35         Qtr: NE           Meridian:         M
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 3. Good 3. Natural/Native occurrence 3. Presumed Extant 4. Unknown 3. Fairfield South (3812221/482A) 7: Solano 3. 38.23905°/ -122.04768° 2. Zone-10 N4232768 E583339 3. 5 ft	DULT (PRESUMABLY, THE MALE) WAS GUARDING EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	B THE BURROW ENTRANCE, 24-27 APR 2006.           — Dates Last Seen           Element:         2006-02-06           Site:         2006-02-06           Record Last Updated:         2006-09-21           Township:         05N           Range:         02W           Section:         35         Qtr: NE
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 3 Good 4 Natural/Native occurrence 5 Presumed Extant 5 Unknown 5 Fairfield South (3812221/482A) 7: Solano 5 38.23905° / -122.04768° Zone-10 N4232768 E583339 5 St 1 EAST OF SOUTH PENNSYLVANIA AVENU 11: SITE IS SURROUNDED BY SUBURBAN DE	EO Index: 66386 EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON E, BETWEEN CORDELIA STREET AND HIGHWAY 1 VELOPMENT TO THE NORTH AND EAST, PASTUR	B THE BURROW ENTRANCE, 24-27 APR 2006.           — Dates Last Seen           Element:         2006-02-06           Site:         2006-09-21           Township:         05N           Range:         02W           Section:         35         Qtr: NE           Meridian:         M
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 3. 858 Map Index: 66304 2 Good 3 Natural/Native occurrence 3 Presumed Extant 3 Unknown 3 Solano 3 Solano 3 Solano 3 Solano 3 Solano 5 St 3 Solano 5 St 4 Solano 5 St	EO Index: 66386 EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON E, BETWEEN CORDELIA STREET AND HIGHWAY 1 VELOPMENT TO THE NORTH AND EAST, PASTUR	Township: 05N Range: 02W Section: 35 QUITH OF FAIRFIELD AND WEST OF SUISUN CIT
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 8 858 Map Index: 66304 2 Good 2 Natural/Native occurrence 3 Presumed Extant 3 Unknown 3 Call Contemport 4 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 St 5 St 4 EAST OF SOUTH PENNSYLVANIA AVENU 1: SITE IS SURROUNDED BY SUBURBAN DE PASTURE LAND AND ESTUARY TO THE S 1: HABITAT SURROUNDING BURROW SITE 0	EO Index: 66386 EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON E, BETWEEN CORDELIA STREET AND HIGHWAY 1 VELOPMENT TO THE NORTH AND EAST, PASTUR OUTH.	Township: 05N Range: 02W Section: 35 Qurr NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE NAL/PERENNIAL MARSHES, VERNAL POOLS,
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 8 858 Map Index: 66304 2 Good 2 Natural/Native occurrence 3 Presumed Extant 3 Unknown 3 Call Contemport 4 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 St 5 St 4 EAST OF SOUTH PENNSYLVANIA AVENU 1: SITE IS SURROUNDED BY SUBURBAN DE PASTURE LAND AND ESTUARY TO THE S 1: HABITAT SURROUNDING BURROW SITE 0	DULT (PRESUMABLY, THE MALE) WAS GUARDING EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON E, BETWEEN CORDELIA STREET AND HIGHWAY 1 VELOPMENT TO THE NORTH AND EAST, PASTUR OUTH.	Township: 05N Range: 02W Section: 35 Qurr NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE NAL/PERENNIAL MARSHES, VERNAL POOLS,
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai	2 ADULTS PRESENT, 19-23 APR 2006; 1 A 2 CITY OF VACAVILLE 8 858 Map Index: 66304 2 Good 2 Natural/Native occurrence 3 Presumed Extant 3 Unknown 3 Call Contemport 4 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 Solano 5 St 5 St 4 EAST OF SOUTH PENNSYLVANIA AVENU 1: SITE IS SURROUNDED BY SUBURBAN DE PASTURE LAND AND ESTUARY TO THE S 1: HABITAT SURROUNDING BURROW SITE 0	EO Index: 66386 EO Index: 66386 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON E, BETWEEN CORDELIA STREET AND HIGHWAY 1 VELOPMENT TO THE NORTH AND EAST, PASTUR OUTH. CONSISTS OF NON-NATIVE GRASSLAND, SEASON RIPARIAN WETLANDS, AND DRAINAGE CHANNEL	Township: 05N Range: 02W Section: 35 Qurr NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE Meridian: M Range: NE NAL/PERENNIAL MARSHES, VERNAL POOLS,

burrowing owl					Element	Code: ABNSB10010		
Federal: None State: None	us ———		Glo	Element Ranks – bal: G4 ate: S2		Other Lists     CDFG Stat	us: SC	
General: OPEN,					OS CHARACTERIZED B' ST NOTABLY, THE CAI			l.
Owner/Manager	: UNKNOWN							
Occurrence No	. 932	Map Index:	69285	EO Index:	70069		Dates La	
Occ Rank								2005-06-30
•	Natural/Native occ	currence					Site:	2005-06-30
	Presumed Extant Unknown					Record Last	Updated:	2007-05-16
							-	
-	: Dozier (3812137/4	198D)						
County Summary	: Solano							
Lat/Long	38.28766º / -121.8	34899°				Township:	05N	
	Zone-10 N423835	59 E600660				Range:		
Area					sionNON-SPECIFIC	Section:		Qtr: SE
Elevation	: 25 ft			Symbol Ty	/pe:POLYGON	Meridian:	М	
Location	: ABOUT 1.4 MILES					CRADE		
Threat	I:MAPPED IN SW 1 DEVELOPMENT. 5 ADULTS (1 HIG	I/4 OF SE 1/4 HLY TERRITO	OF SECTION 10 A	CCORDING TO T-R-S	S DATA PROVIDED BY	SOURCE.	JUN 2005	. NO NESTS OBSER
Threat	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI	I/4 OF SE 1/4 HLY TERRITO	OF SECTION 10 A	CCORDING TO T-R-S	S DATA PROVIDED BY	SOURCE.	JUN 2005	. NO NESTS OBSER
Threat General Owner/Manager	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT	I/4 OF SE 1/4 HLY TERRITC ME AREA REF	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	JUN 2005 Dates La	
Threat General	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952	I/4 OF SE 1/4 HLY TERRITO	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La	
Threat General Owner/Manager Occurrence No Occ Rank:	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index:	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element:	st Seen
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence:	I:MAPPED IN SW 1 DEVELOPMENT. 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952 Fair Natural/Native occ Presumed Extant	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index:	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element: Site:	st Seen 2005-07-08 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence:	I:MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAT : PVT . 952 . Fair Natural/Native occ	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index:	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element: Site:	st Seen 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend:	I:MAPPED IN SW 1 DEVELOPMENT. 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952 Fair Natural/Native occ Presumed Extant	I/4 OF SE 1/4 HLY TERRITO ME AREA REF Map Index:	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element: Site:	st Seen 2005-07-08 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend:	I: MAPPED IN SW 1 I: DEVELOPMENT. I: 5 ADULTS (1 HIG BUT NEST IN SAI I: PVT I: 952 Fair Natural/Native occo I: Presumed Extant Unknown I: Allendale (381214	I/4 OF SE 1/4 HLY TERRITO ME AREA REF Map Index:	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element: Site:	st Seen 2005-07-08 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary	I: MAPPED IN SW 1 I: DEVELOPMENT. I: 5 ADULTS (1 HIG BUT NEST IN SAI I: PVT I: 952 Fair Natural/Native occo I: Presumed Extant Unknown I: Allendale (381214	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: surrence 8/498B)	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER.	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 C	SOURCE. DF SECTION 10 ON 30	Dates La Element: Site: Updated:	st Seen 2005-07-08 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: MAPPED IN SW 1 I: DEVELOPMENT. I: 5 ADULTS (1 HIG BUT NEST IN SAI I: PVT I: 952 Fair Natural/Native occ I: Presumed Extant Unknown I: Allendale (381214 I: Solano I: 38.38257° / -121.5 Zone-10 N424879	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence (8/498B) 03842°	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188	SOURCE. DF SECTION 10 ON 30  Record Last	Dates La Element: Site: Updated: 06N	st Seen 2005-07-08 2005-07-08 2007-06-13
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952 : Fair Natural/Native occ : Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.9 Zone-10 N424879	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence (8/498B) 03842°	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AF KS LATER. EO Index: Mapping Precis	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188 sionNON-SPECIFIC	SOURCE. DF SECTION 10 ON 30 —— Record Last Township: Range: Section:	Dates La Element: Site: Updated: 06N 01W 11	st Seen 2005-07-08 2005-07-08
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT . 952 : Fair Natural/Native occ : Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.9 Zone-10 N424879	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence (8/498B) 03842°	OF SECTION 10 A DRIAL) OBSERVED PORTED TWO WEI	CCORDING TO T-R-S BETWEEN HERE AF KS LATER. EO Index: Mapping Precis	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188	SOURCE. DF SECTION 10 ON 30  Record Last  Township: Range:	Dates La Element: Site: Updated: 06N 01W 11	st Seen 2005-07-08 2005-07-08 2007-06-13
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	I: MAPPED IN SW 1 DEVELOPMENT. 5 ADULTS (1 HIG BUT NEST IN SAI : PVT 952 Fair Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.s Zone-10 N424875 : 87 ft	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence 8/498B) 33842° 33842° 37 E592718	OF SECTION 10 A	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER. EO Index: Mapping Precis Symbol Ty	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188 sionNON-SPECIFIC	SOURCE. DF SECTION 10 ON 30  Record Last Township: Range: Section: Meridian:	Dates La Element: Site: Updated: 06N 01W 11	st Seen 2005-07-08 2005-07-08 2007-06-13
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT : 952 Fair : Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.5 Zone-10 N424875 : 87 ft : NORTH AND SOL	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence (8/498B) 93842° 93842° 97 E592718	OF SECTION 10 AU DRIAL) OBSERVED PORTED TWO WEI 69412	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER. EO Index: Mapping Precis Symbol Ty	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188 sionNON-SPECIFIC /pe:POLYGON	SOURCE. DF SECTION 10 ON 30  Record Last Township: Range: Section: Meridian: IVE, VACAVILLE.	Dates La Element: Site: Updated: 06N 01W 11	st Seen 2005-07-08 2005-07-08 2007-06-13
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT : 952 Fair : Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.5 Zone-10 N424879 : 87 ft : NORTH AND SOL I: ACTIVE BURROW : HABITAT CONSIS	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: currence (8/498B) 93842° 97 E592718 JTH OF GILLE VS FOUND IN STS OF A MO	OF SECTION 10 AU DRIAL) OBSERVED PORTED TWO WEI 69412 EY WAY, BETWEEN FIVE LOCATIONS WED AREA ADJAC	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER. EO Index: Symbol Ty I LEISURE TOWN RC IN 2005; TWO BURR ENT TO A GOLF CO	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188 sionNON-SPECIFIC /pe:POLYGON DAD AND ORANGE DR	SOURCE. DF SECTION 10 ON 30  Record Last Township: Range: Section: Meridian: IVE, VACAVILLE. IVE JUVENILES. 'BERMUDA GRASS A	Dates La Element: Site: Updated: 06N 01W 11 M ND YELLC	st Seen 2005-07-08 2005-07-08 2007-06-13 Qtr: SE
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica	I: MAPPED IN SW 1 : DEVELOPMENT. : 5 ADULTS (1 HIG BUT NEST IN SAI : PVT : 952 Fair : Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.38257° / -121.5 Zone-10 N424879 : 87 ft : NORTH AND SOL I: ACTIVE BURROV I: HABITAT CONSIS BURROWS WER	I/4 OF SE 1/4 HLY TERRITC ME AREA REF Map Index: surrence 8/498B) 93842° 97 E592718 JTH OF GILLE VS FOUND IN STS OF A MOD E LOCATED C	OF SECTION 10 AU DRIAL) OBSERVED PORTED TWO WEI 69412 EY WAY, BETWEEN FIVE LOCATIONS WED AREA ADJAC 2011E CLOSE TOG	CCORDING TO T-R-S BETWEEN HERE AN EKS LATER. EO Index: Symbol Ty I LEISURE TOWN RC IN 2005; TWO BURR ENT TO A GOLF CO ETHER, AND SOME	S DATA PROVIDED BY ND SW 1/4 OF SW 1/4 O 70188 sionNON-SPECIFIC /pe:POLYGON DAD AND ORANGE DR ROWS CONTAINED ACT URSE, DOMINATED BY	SOURCE. DF SECTION 10 ON 30 —— Record Last —— Record Last —— Record Last —— Record Last —— Record Last —— Neridian: IVE, VACAVILLE. IVE, VACAVILLE. IVE JUVENILES. / BERMUDA GRASS A (CENT TO ROADWAY)	Dates La Element: Site: Updated: 06N 01W 11 M ND YELLC	st Seen 2005-07-08 2005-07-08 2007-06-13 Qtr: SE

burrowing owl			Element Code: ABNSB10010	
Stat	us ————	NDDB Element Ranks	Other Lists —	
Federal: None		Global: G4	CDFG Status:	SC
State: None		State: S2		
	ssociations —			
General: OPEN,	DRY ANNUAL OR PERENIAL GRASS	SLANDS, DESERTS & SCRUBLANDS CHARAC	TERIZED BY LOW-GROWING VEGET	ATION.
Micro: SUBTE	RRANEAN NESTER, DEPENDENT U	PON BURROWING MAMMALS, MOST NOTABI	Y, THE CALIFORNIA GROUND SQUIF	REL.
Occurrence No	. 962 Map Index: 694	EO Index: 70220	Dat	es Last Seen
Occ Rank	: Fair			nent: 2005-11-30
•	: Natural/Native occurrence		5	Site: 2005-11-30
	: Presumed Extant : Unknown		Record Last Line	lated: 2007-05-31
Trena	Unknown			2007 00 01
	: Elmira (3812138/498C)			
County Summary	: Solano			
Lat/Long	: 38.35890°/-121.89692°		Township: 06	N
	Zone-10 N4246213 E596374		Range: 01	
Radius Elevation	80 meters	Mapping PrecisionSPECIF Symbol Type:POINT	IC Section: 20 Meridian: M	Qtr: NW
		OF LEWIS ROAD AND HAWKINS ROAD, 0.9 N		
Location Deta	I:BURROW WAS LOCATED AT THE	TOP OF A DRAINAGE DITCH, ADJACENT TO	A FALLOW FIELD.	
Ecologica	I: HABITAT SURROUNDING BURRO INVASIVE WEEDS.	W CONSISTS OF AN ALFALFA FIELD ACROSS	THE ROAD AND A FALLOW FIELD DO	OMINATED BY 2-4' TALL
	: THREATENED BY BUSY TRAFFIC	ROADS ADJACENT TO BURROW.		
Threat				

heartscale			ment Code: PDCHE040B0
Federal: None	us	NDDB Element Ranks Global: G2?	CNPS List: 1B.2
State: None		State: \$2.2?	CINFS LIST. ID.2
	ssociations		
	NE FLATS AND SCALDS IN THE CENTRAL		
		VALLE 1, CANDT COLO. 1-100(000)W.	
Occurrence No	. 5 Map Index: 24709	EO Index: 2456	Dates Last Seen
Occ Rank	None		Element: 1892-08-16
-	Natural/Native occurrence		Site: 1892-08-16
	Extirpated		Record Last Updated: 2005-09-20
I rend:	Unknown		Record Last Optated. 2000-03-20
-	: Elmira (3812138/498C)		
County Summary	: Solano		
Lat/Long	: 38.32825º/-121.96125º		Township: 06N
	Zone-10 N4242747 E590791		Range: 01W
	: 3/5 mile	Mapping PrecisionNON-SPECIFIC	
Elevation	: 150 ft	Symbol Type:POINT	Meridian: M
Location	LITTLE OAK, NEAR VACAVILLE.		
Location Detai	I: MAPPED IN THE HISTORICAL VICINITY (	OF THE JEPSON FAMILY'S LITTLE OAK RANC	H, EAST OF PEABODY RD AND SOUTH OF ALAMO DR.
General	ONLY SOURCES OF INFORMATION FOF	THIS SITE ARE 2 COLLECTIONS BY JEPSON	I FROM 1887 & 1892. D. TAYLOR SUGGESTS THAT HISTO
	COLLECTION LOCATIONS IN SOLANO C		
Owner/Manager	UNKNOWN		
Occurrence No		EO Index: 3951	Dates Last Seen
Occ Rank			Element: 1994-08-31
-	Natural/Native occurrence		<b>Site</b> : 1994-08-31
	: Presumed Extant		Record Last Updated: 1995-02-10
-	: Dozier (3812137/498D)		
County Summary	Solano		
Lat/Long	: 38.27201º/-121.80593º		Township: 05N
	Zone-10 N4236670 E604449		Range: 01E
Elevation	: 80 meters : 10 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 13 Qtr: SE Meridian: M
		WY 113, 0.5 MI S OF BRIDGE OVER BARKER	
Location Detai	CONS. EASEMENT.	ESERVE; TRANSFERRED TO SOLANO COUN	TY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS
Ecologica	ALKALINE MEADOW ADJACENT TO INTE	ERMITTENT STREAM. ASSOCIATED WITH DIS	TICHLIS SPICATA AND HORDEUM MARINUM. NEAR OTH
	RARE PLANTS: DOWNINGIA PUSILLA AN		
Threat	SHEEP GRAZING COULD THREATEN.		
General	: 100-200 PLANTS IN 1994.		
	: SOLANO LAND TRUST		
Occurrence No	. 44 Map Index: 32021	EO Index: 3952	Dates Last Seen
Occ Rank			Element: 1994-08-10
	Natural/Native occurrence		<b>Site:</b> 1994-08-10
•			Record Last Updated: 1995-03-21
Presence			
Presence: Trend:	Unknown		•
Presence: Trend: Quad Summary	: Unknown : Dozier (3812137/498D)		
Presence: Trend:	: Unknown : Dozier (3812137/498D)		
Presence: Trend: Quad Summary County Summary Lat/Long	: Unknown : Dozier (3812137/498D) r: Solano : 38.27809º / -121.84193º		Township: 05N
Presence: Trend: Quad Summary County Summary Lat/Long UTM:	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>r: Solano</li> <li>38.27809° / -121.84193°</li> <li>Zone-10 N4237305 E601292</li> </ul>		Range: 01E
Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius:	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193°</li> <li>Zone-10 N4237305 E601292</li> <li>80 meters</li> </ul>	Mapping PrecisionSPECIFIC	Range: 01E Section: 14 Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM:	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193°</li> <li>Zone-10 N4237305 E601292</li> <li>80 meters</li> </ul>	Mapping PrecisionSPECIFIC Symbol Type:POINT	Range: 01E
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193° Zone-10 N4237305 E601292</li> <li>80 meters</li> <li>18 ft</li> </ul>		Range:01ESection:14Qtr: SWMeridian:M
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193° Zone-10 N4237305 E601292</li> <li>80 meters</li> <li>18 ft</li> </ul>	Symbol Type:POINT	Range:01ESection:14Qtr: SWMeridian:M
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193°</li> <li>Zone-10 N4237305 E601292</li> <li>80 meters</li> <li>18 ft</li> <li>: 1.4 MI SW OF DOZIER, 1 MILE W OF JUN</li> </ul>	Symbol Type:POINT	Range:01ESection:14Qtr: SWMeridian:M
Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Location Detai Ecologica	Unknown     Dozier (3812137/498D)     Solano     38.27809° / -121.84193°     Zone-10 N4237305 E601292     80 meters     18 ft     1.4 MI SW OF DOZIER, 1 MILE W OF JUN I:AT END OF PRIVATE ROAD.	Symbol Type:POINT	Range:01ESection:14Qtr: SWMeridian:M
Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Location Detai Ecologica Threat	<ul> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.27809° / -121.84193° Zone-10 N4237305 E601292</li> <li>80 meters</li> <li>18 ft</li> <li>1.4 MI SW OF DOZIER, 1 MILE W OF JUN</li> <li>I:AT END OF PRIVATE ROAD.</li> <li>I: N INTERMITTENT DRAINAGE.</li> <li>GRAZING THREATENS.</li> </ul>	Symbol Type:POINT	Range: 01E Section: 14 Qtr: 3W Meridian: M

heartscale			Element Code: PDCHE040B0	
Federal: None State: None	IS	NDDB Element Ranks Global: G2? State: S2.2?	CNPS List: 1B.2	
Habitat As	ssociations —			
	POD SCRUB, VALLEY AND FOOTHILL GR/ NE FLATS AND SCALDS IN THE CENTRAL	,		
Occurrence No.	. 45 Map Index: 32023	EO Index: 3950	Dates Last Seen	
Occ Rank:			Element: 1994-08-10	
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1994-08-10	
	Unknown		Record Last Updated: 1995-11-01	
Quad Summary	: Dozier (3812137/498D)			
County Summary	: Solano			
Lat/Long:	38.25581º / -121.80500º		Township: 05N	
	Zone-10 N4234873 E604554	Manning ProvisionSPECIE	Range: 02E	
Elevation:	1.5 acres 30 ft	Mapping PrecisionSPECIF Symbol Type:POLYG		
Location	: CALHOUN CUT ECOLOGICAL RESERVE,	2 MILES SOUTH OF WHERE HWY 113	VEERS SOUTHWARD.	
	: CALIFOUN COT LOOLOGICAL RESERVE,			
	: ALKALI MEADOW AT MARGIN OF MARSH	I. WITH DISTICHLIS SPICATA FRANKF	NIA SALINA. & HEMIZONIA PUNGENS	
Ū.	100-200 PLANTS IN 1994.		· · · · · · · · · · · · · · · · · · ·	
	: DFG-CALHOUN CUT ER			
Occurrence No.	. 47 Map Index: 22104	EO Index: 20988	Dates Last Seen	
Occ Rank:			Element: 1994-08-31 Site: 1994-08-31	
-	Natural/Native occurrence Presumed Extant		Sile. 1994-00-31	
	Unknown		Record Last Updated: 1995-11-14	
Quad Summary:	: Birds Landing (3812127/481A)			
County Summary	: Solano			
Lat/Long:	38.24152º / -121.80610º		Township: 05N	
	Zone-10 N4233286 E604478 80 meters		Range: 01E IC Section: 36 Qtr: NE	
Elevation:		Mapping PrecisionSPECIF Symbol Type:POINT	IC Section: 36 Qtr: NE Meridian: M	
Location	WEST SIDE OF HWY 113 (RIO-DIXON RO	AD) JUST SOUTH OF CREED ROAD JU	NCTION.	
Location Detail	ALONG FENCELINE.			
Ecological	: ALKALINE MEADOW ALONG INTERMITTE HORDEACEUS, AND ISOCOMA ARGUTA.		CATA, HEMIZONIA PUNGENS, HORDEUM MARINUM, BROI	MUS
Threat:	SITE IS NON-GRADED PORTION OF HWY	( RIGHT-OF-WAY.		
General:	100-200 PLANTS IN 1994.			
Owner/Manager	UNKNOWN, CALTRANS			
Occurrence No.	. 69 <b>Map Index:</b> 49733	EO Index: 49733	Dates Last Seen	
Occ Rank:	•		<b>Element:</b> 2001-09-12	
-	Natural/Native occurrence		Site: 2001-09-12	
Presence:	Presumed Extant Unknown		Record Last Updated: 2002-12-26	
Trend:	Birds Landing (3812127/481A)			
Trend: Quad Summary:	: Birds Landing (3812127/481A) : Solano			
Trend: Quad Summary: County Summary	: Solano		Township: 04N	
Trend: Quad Summary: County Summary Lat/Long:			Township: 04N Range: 01E	
Trend: Quad Summary: County Summary Lat/Long: UTM: Area:	: Solano 38.21783º / -121.84328º Zone-10 N4230616 E601257 3.2 acres	Mapping PrecisionSPECIF	Range: 01E IC Section: 03 Qtr: SE	
Trend: Quad Summary: County Summary Lat/Long: UTM:	: Solano 38.21783º / -121.84328º Zone-10 N4230616 E601257 3.2 acres	Mapping PrecisionSPECIF Symbol Type:POLYG	Range: 01E IC Section: 03 Qtr: SE	
Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: Solano 38.21783° / -121.84328° Zone-10 N4230616 E601257 3.2 acres 80 ft : ALONG WEST SIDE OF GOOSE HAVEN F	Symbol Type:POLYG	Range:     01E       IC     Section:     03     Qtr: SE       DN     Meridian:     M	
Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	: Solano 38.21783° / -121.84328° Zone-10 N4230616 E601257 3.2 acres 80 ft : ALONG WEST SIDE OF GOOSE HAVEN F I: POPULATION LOCATED IN THE NORTHE	Symbol Type:POLYG ROAD, 0.25 MILE SOUTH OF LAMBIE RC AST 1/4 OF THE SOUTHEAST 1/4 OF S	Range:     01E       IC     Section:     03     Qtr: SE       DN     Meridian:     M       DAD.       ECTION 3.	
Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	: Solano 38.21783° / -121.84328° Zone-10 N4230616 E601257 3.2 acres 80 ft : ALONG WEST SIDE OF GOOSE HAVEN R : POPULATION LOCATED IN THE NORTHE : ALKALI MEADOW WITH SCALDS; WITH D	Symbol Type:POLYG ROAD, 0.25 MILE SOUTH OF LAMBIE RC AST 1/4 OF THE SOUTHEAST 1/4 OF S	Range:     01E       IC     Section:     03     Qtr: SE       DN     Meridian:     M	IEANUM
Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological Threat:	: Solano 38.21783° / -121.84328° Zone-10 N4230616 E601257 3.2 acres 80 ft : ALONG WEST SIDE OF GOOSE HAVEN F I: POPULATION LOCATED IN THE NORTHE	Symbol Type:POLYGO ROAD, 0.25 MILE SOUTH OF LAMBIE RO AST 1/4 OF THE SOUTHEAST 1/4 OF S DISTICHLIS SPICATA, CENTROMADIA P	Range:     01E       IC     Section:     03     Qtr: SE       DN     Meridian:     M       DAD.       ECTION 3.	IEANUM

heartscale			Element Code: PDCHE040B0	
Status	s ———	NDDB Element Ranks	Other Lists	
Federal: None		Global: G2?	CNPS List: 1B.2	
State: None		State: S2.2?		
Habitat Ass	ociations —			
General: CHENOP	OD SCRUB, VALLEY AND FOOTH	HILL GRASSLAND, MEADOWS.		
Micro: ALKALINE	E FLATS AND SCALDS IN THE C	ENTRAL VALLEY, SANDY SOILS. 1-150(600)M.		
Occurrence No. 7	71 Map Index: 54	4637 <b>EO Index</b> : 54637	Dates Las	t Seen
Occ Rank: (	Good			2003-06-18
•	Natural/Native occurrence		Site:	2003-06-18
Presence: F Trend: U	Presumed Extant		Record Last Updated:	2004-03-09
	Dozier (3812137/498D)			
County Summary: S	,			
Lat/Long: ;	38.30360º / -121.79848º		Township: 05N	
UTM: 2	Zone-10 N4240184 E605055		Range: 02E	
Radius:		Mapping PrecisionSPECIFIC		Qtr: SW
Elevation:	15 ft	Symbol Type:POINT	Meridian: M	
Location:	NORTHEAST OF DOZIER, APPRO	DXIMATELY 0.3 AIRMILE SSW OF RAILROAD CRO	DSSING OF ULATIS CREEK.	
Location Detail:	ONE COLONY LOCATED IN THE	EASTERN HALF OF THE SOUTHWEST 1/4 OF SE	CTION 6.	
ι Γ		AS WITHIN ALKALINE MESIC GRASSLAND AND V A PLATYCARPHA, HORDEUM MARINUM SSP. GL		
		GRASSES LARGE HERD OF SHEEP KEPT ON S	SITE FOR SEVERAL MONTHS IN 2003 AND	BEFORE.
Threat:	ANNASIVE, ANNOAL NON-NATIVE			

brittlescale			Element Code: PDCHE042L0 Other Lists	
Federal: None State: None	JS	NDDB Element Ranks     Global: G2Q     State: S2.2	CNPS List: 1B.2	
	POD SCRUB, MEADOWS, PLAYAS, VAI	LLEY AND FOOTHILL GRASSLAND, VERN I MEADOWS OR ANNUAL GRASSLND; RA	AL POOLS. RELY ASSOC W/RIPARIAN, MARSHES, OR \	/.P'S. 1-320M.
Occurrence No. Occ Rank:	Excellent	EO Index: 16629		1991-09-08
Presence:	Natural/Native occurrence Presumed Extant Unknown		Site: Record Last Updated:	1991-09-08 1996-09-18
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
UTM:	38.13249° / -121.88867° Zone-10 N4221098 E597397 80 meters 5 ft	Mapping PrecisionSPECIF Symbol Type:POINT	Township: 03N Range: 01E IC Section: 05 Meridian: M	Qtr: SE
		AR MONTEZUMA SLOUGH. 0.7 MILE NOF		
Threat:	DEPRESSA ERECTA, HEMIZONIA PUR AREA IS USED FOR HUNTING. FENCE APPROX 300 PLANTS SEEN IN 1991.	NGENS, BASSIA HYSSOPIFOLIA, NITROP	AINAGE. IN SHALLOW DEPRESSION OF FLO HILA OCCIDENTALIS, SALICORNIA VIRGINIC ICATION FOR DUCK HABITAT MANAGEMEN	A, S. SUBTERMINA
Occurrence No.	. 19 Map Index: 10537	EO Index: 16613	Dates Las	st Seen
Occ Rank: Origin:	•			1958-09-08 1958-09-08
	Unknown		Record Last Updated:	1993-10-25
Quad Summary: County Summary	Dozier (3812137/498D) : Solano			
UTM:	38.27018° / -121.82719° Zone-10 N4236443 E602592 1/5 mile 15 ft	Mapping PrecisionNON-S Symbol Type:POINT	Township: 05N Range: 01E PECIFIC Section: 23 Meridian: M	Qtr: NE
Location	1 MI SW OF DOZIER STATION, 12 MI S	S OF DIXON.		
			COUNTY FARMLANDS & OPEN SPACE ON 8	8/97.
Ecological	LARGE BARREN WHITE ALKALI DRY	LAKE BED.		
	MAPPED AT OLCOTT LAKE. 1991 COL SOLANO LAND TRUST	LECTION BY TAYLOR FROM 1.1 MI SW C	F OLCUTT SIDING, VICINITY OF DOZIER AT	TRIBUTED TO THIS
Occurrence No.	55 Map Index: 35356	EO Index: 30166	Dates Las	st Seen
Occ Rank: Origin:				1996-07-17 1996-07-17
	Unknown		Record Last Updated:	1997-02-04
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
	38.22365º / -121.97711º		Township: 04N	
UTM: Area: Elevation:	Zone-10 N4231124 E589534 5 ft	Mapping PrecisionNON-S Symbol Type:POLYG		Qtr: NE
Location	EAST SIDE OF ACCESS ROAD TO PO	TRERO HILLS LANDFILL, ABOUT 1.5 MILE	S SOUTHWEST OF TRAVIS AIR FORCE BAS	E RUNWAY.
	ALKALI PLAYA ADJACENT TO TIDAL S		NATIVE GRASSES IN UPLANDS AND SALICO	
	WEILANDS. ASSOCIATED WITH POL	YPOGON MONSPELIENSIS, SALICORNIA	EUROPAEA, S. VIRGINICA, FRANKENIA SAL	INA, ET AL.
Threat:	SITE IS PARTIALLY FILLED AND GRAI	DED. POSSIBLE INVASION BY LEPIDIUM I	ATIFOLIUM OR SALSOLA.	
	SITE IS PARTIALLY FILLED AND GRAI 213 PLANTS OBSERVED IN 1996.	DED. POSSIBLE INVASION BY LEPIDIUM	ATIFOLIUM OR SALSOLA.	

brittlescale State		NDDB Element Ranks	Element Code: PDCHE042L0 Other Lists	_
Federal: None State: None	us	Global: G2Q State: S2.2	CNPS List: 1B.2	
	ssociations			
	POD SCRUB, MEADOWS, PLAYAS, VALLE LY IN ALKALI SCALDS OR ALK. CLAY IN M		POOLS. ELY ASSOC W/RIPARIAN, MARSHES, OR V.P'S. 1-32	20M.
Occurrence No.	. 59 Map Index: 49738	EO Index: 49738	Dates Last Seen	
Occ Rank:			Element: 1986-09	
•	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1986-09-	-01
	Unknown		Record Last Updated: 2002-12-	-27
Quad Summary: County Summary	: Denverton (3812128/481B), Elmira (381213	38/498C)		
	38.24294º / -121.92663º		Township: 05N	
UTM:	Zone-10 N4233315 E593928		Range: 01W	
Radius: Elevation:		Mapping PrecisionNON-SPE Symbol Type:POINT	CIFIC Section: 25 Qtr: X Meridian: M	X
	: ALONG CREED ROAD, APPROXIMATEL I: EXACT LOCATION UNKNOWN; MAPPED BRANSCOME RD AS CREED ROAD DOE	AS BEST GUESS BY CNDDB AT CREED	ROAD APPROXIMATELY 2 MILES EAST OF HIGHW/ Y 12).	4Y 12 (VI/
Ecological	BED OF LARGE VERNAL POOL.			
General:	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS 1986 COLLECTION BY STON	E. NEEDS FIELDWORK.	
Owner/Manager	UNKNOWN			
Occurrence No.	. 64 Map Index: 51023	EO Index: 51023	Dates Last Seen	
Occ Rank:			Element: 2002-08-	
-	Natural/Native occurrence Presumed Extant		Site: 2002-08-	-21
	Unknown		Record Last Updated: 2003-04	-17
Quad Summary:	: Elmira (3812138/498C)			
County Summary	: Solano			
-	38.28553° / -121.98440° Zone-10 N4237983 E588821		Township: 05N Range: 01W	
	1.5 acres	Mapping PrecisionSPECIFIC	-	w
Elevation:	50 ft	Symbol Type:POLYGO	Meridian: M	
Location	: 1.2 AIRMILES SSE OF CEMENT HILL SUM	MMIT, SOUTH OF CEMENT HILL ROAD, A	ONG UNNAMED DRAINAGE.	
	I: TWO SMALL COLONIES MAPPED IN THE			
Ecological	: OPEN AREAS IN ALKALI MEADOW W/ CE PERIDERIDIA GAIRDNERI ALSO PRESEN		NKENIA SALINA, HORDEUM MARINUM SSP. GUSS	ONEANU
Threat:	CATTLE GRAZING, PROPOSED ROUTE	FOR JEPSON PARKWAY.		
General:			PSON, "WEST OF VANDEN, POINT OF THE PELLEJ	O HILLS
Owner/Manager	ATTRIBUTED TO THIS SITE. (VANDEN W PVT	AS RR STATION 5 MIS OF VACAVILLE).		
Occurrence No.	. 69 Map Index: 62701	EO Index: 62738	Dates Last Seen -	
Occurrence No. Occ Rank:	•	LU HIUCK. 02130	Element: 1992-07-	
-	Natural/Native occurrence		Site: 1992-07-	-17
	Presumed Extant Unknown		Record Last Updated: 2005-09	-23
Quad Summary	: Dozier (3812137/498D)			
County Summary	: Solano			
-	38.25531º/-121.87199º		Township: 05N	
	Zone-10 N4234745 E598693	Manning ProvisionNON ODE	Range: 01E	
Area: Elevation:	30 ft	Mapping PrecisionNON-SPE Symbol Type:POLYGO		vv
Location	: JEPSON PRAIRIE; LARGE PLAYA VERNA	AL POOL 2.4 MILES SSW OF OLCOTT SID	NG.	
Location Detail	EXACT LOCATION UNKNOWN. MAPPED	BY CNDDB BASED ON T-R-S INFO BY TA	YLOR: T5N, R1E, NE 1/4 OF NW 1/4 OF SECTION 2	8.
Ecological	: SEMI-SALINE CLAY WITH DISTICHLIS SF	TOATA, FRANKENIA CHARACTERISTIC.		

San Joaquin spearscale			Element Code: PDCHE041F3 Other Lists	
Federal: None State: None	us ————	MDDB Element Ranks Global: G2 State: S2.1	CNPS List: 1B.	2
	sociations —			
	POD SCRUB, ALKALI MEADOW, VALLE SONAL ALKALI WETLANDS OR ALKALI	EY AND FOOTHILL GRASSLAND. SINK SCRUB WITH DISTICHLIS SPICAT	A, FRANKENIA, ETC. 1-250M.	
Occurrence No.	. 22 Map Index: 20319	EO Index: 16736	Dates I	Last Seen
Occ Rank:	•			: 1891-09-16
-	Natural/Native occurrence		Site	: 1891-09-16
	Presumed Extant Unknown		Record Last Update	<b>d:</b> 1992-03-27
Quad Summary:	: Rio Vista (3812126/480B)			
County Summary	: Solano, Sacramento			
-	38.15872º / -121.69617º		Township: 04N	
	Zone-10 N4224228 E614228 3/5 mile	Mapping PrecisionNON	-SPECIFIC Section: 25	Qtr: XX
Elevation		Symbol Type:POIN		
Location	RIO VISTA.			
General:	ONLY NOTES ON HERBARIUM LABEL	ARE: "EXHIBITING A TENDENCY TOW	ARD DIOECISM." FIELDWORK NEEDED.	
Owner/Manager	UNKNOWN			
Occurrence No.	. 26 Map Index: 20320	EO Index: 16735	Dates I	Last Seen
Occ Rank:	Unknown		Element	: 1891-07-05
-	Natural/Native occurrence		Site	: 1891-07-05
	Presumed Extant Unknown		Record Last Update	<b>d:</b> 1993-03-12
Quad Summary:	: Liberty Island (3812136/497C), Dozier (	3812137/498D)		
County Summary	: Solano			
Lat/Long:	38.30674º / -121.75728º		Township: 05N	
	Zone-10 N4240580 E608653		Range: 02E	
Radius: Elevation:		Mapping PrecisionNON Symbol Type:POIN		Qtr: XX
	: MAIN PRAIRIE.	Cymbol Type. On		
	: DAMP, BARREN SPOTS.			
U U	AG COULD THREATEN.			
		NLY INFORMATION; NEEDS FIELDWOR	K	
Owner/Manager				
Occurrence No.	. 49 Map Index: 24730	EO Index: 30168	Dates I	Last Seen
Occ Rank:			Element	: 2004-05-20
-	Natural/Native occurrence		Site	: 2004-05-20
	Presumed Extant Unknown		Record Last Update	d: 2005-09-27
Quad Summary:	: Denverton (3812128/481B)			
County Summary	: Solano			
-	38.22675º / -121.97162º		Township: 04N	
	Zone-10 N4231474 E590010 11.7 acres	Mapping PrecisionSPE	Range: 01W CIFIC Section: 04	Qtr: NE
Elevation:		Symbol Type:POL		ษณ.ท⊏
Location	: ABOUT 1 MILE SW OF TRAVIS AFB R	UNWAY; 0.2 MILE SOUTH OF JUNCTIO	N OF HWY 12 AND SCALLY ROAD.	
Location Detail	I: IN FIELD ON WEST SIDE OF SCALLY	ROAD, JUST SOUTH OF KILLDEER RO	AD.	
Ecological			CEUS, FRANKENIA SALINA, PARAPHOLIS I ENER, ATRIPLEX CORONATA, AND LASTHE	
General	100-200 PLANTS OBSERVED IN 1994	~900 IN 2004 LINCERTAIN WHAT FULL	EXTENT OF THIS OCCURRENCE IS, MAY E	XTEND FARTHER (

an Joaquin spearscale Statu		NDDB Element Ranks	Element Code: PDCHE041F3 Other Lists		
Federal: None State: None	-	Global: G2 State: S2.1		ist: 1B.2	
	SOCIATIONS		FRANKENIA, ETC. 1-250M.		
Occurrence No.		EO Index: 30167		Dates La	st Seen
-	Fair Natural/Native occurrence Presumed Extant				1996-07-17 1996-07-17
	Unknown		Record Last	Updated:	2005-09-27
Quad Summary: County Summary:	Denverton (3812128/481B) : Solano				
-	38.22283º / -121.97767º Zone-10 N4231034 E589486		Township: Range:		
	4.2 acres	Mapping PrecisionSPECIF Symbol Type:POLYG	IC Section:	04	Qtr: NE
Location	EAST SIDE OF ACCESS ROAD TO POTE	RERO HILLS LANDFILL, ABOUT 1.5 MILE	S SW OF TRAVIS AFB RUNWAY.		
	IN WETLANDS ALONG THE EAST SIDE	LT MARSH. SITE DOMINATED BY NONN	ATIVE GRASSES IN UPLANDS AI		
Threat:	WETLANDS. ASSOCIATED WITH POLYF SITE IS PARTIALLY FILLED AND GRADE			KENIA SAL	INA, ET AL.
General:	33 PLANTS IN 1996.				
Owner/Manager:	PVT				
Occurrence No. Occ Rank:	•	<b>EO Index:</b> 46075		Dates Las Element:	st Seen
Presence:	Natural/Native occurrence Presumed Extant		Pagerd Log		1991-07-XX 2001-10-09
	Unknown Fairfield South (3812221/482A)			opuateu.	2001-10-09
County Summary					
	38.19806º / -122.09572º Zone-10 N4228177 E579180		Township: Range:		
Area: Elevation:	17.3 acres 2 ft	Mapping PrecisionSPECIF Symbol Type:POLYG			Qtr: XX
Location	NORTH OF PELTIER SLOUGH, ABOUT 1	I.5 MILES WNW OF JACKSNIPE, SUISUN	MARSH, SOUTHWEST OF FAIRF	TELD.	
General: Owner/Manager:	PLANTS VERY SPARSE IN 1991. ONLY S	SOURCE OF INFORMATION FOR THIS S	ITE IS 1991 MAP FROM PEARCY;	NEEDS FI	ELDWORK.
Occurrence No.		EO Index: 46077		Dates La	st Seen ———
Occ Rank:	•				1989-08-06 1989-08-06
Presence:	Presumed Extant Unknown		Record Last		
-	Fairfield North (3812231/499D)				
County Summary					
	38.32547° / -122.01094° Zone-10 N4242390 E586452		Township: Range:		
Radius: Elevation:	1/5 mile 220 ft	Mapping PrecisionNON-SF Symbol Type:POINT	PECIFIC Section: Meridian:		Qtr: XX
Location	LAGOON VALLEY, ON SOUTHEAST SHO	ORE OF LAKE, REACHED FROM LAGOO	N VALLEY ROAD, 0.4 MILE EAST	OF INTER	STATE 80.
Location Detail	ON SOUTHEAST SHORE OF LAKE, ELE				
	AT MARGIN OF LAKE BORDERING SCIF				

San Joaquin spearscale		IDDR Element Banks	Element Code: PDCHE041F3 Other Lists		
Status	N	IDDB Element Ranks Global: G2 State: S2.1		<b>.ist:</b> 1B.2	
Habitat Associations — General: CHENOPOD SCRUB, ALK Micro: IN SEASONAL ALKALI WI			TA, FRANKENIA, ETC. 1-250M.		
Occurrence No. 61 Occ Rank: Fair Origin: Natural/Native oc Presence: Presumed Extant		EO Index: 49767			2004-05-19 2004-05-19
Trend: Unknown			Record Las	t Updated:	2005-09-27
Quad Summary: Denverton (3812) County Summary: Solano	128/481B)				
Lat/Long: 38.20819°/-121. UTM: Zone-10 N42294 Area: 2.2 acres Elevation: 100 ft		Mapping PrecisionSPE Symbol Type:POI		01W 10	Qtr: NW
Location Detail: TWO COLONIES Ecological: IN GRAZED NON	MAPPED IN THE SOUTHEI N-NATIVE GRASSLAND / AL	F STATE HIGHWAY 12, ALONG IN RN HALF & SE 1/4 OF THE NW 1/ KALI FLAT WITH LOLIUM MULTIF	TERMITTENT UNNAMED STREAM.	P. GUSSON	
	LS OBSERVED IN 1998, 350	ANSION POSSIBLY THREATENS )-400 IN 2004.	OCCURRENCE.		
Occurrence No. 63 Occ Rank: Unknown Origin: Natural/Native oc Presence: Presumed Extant Trend: Unknown		<b>EO Index:</b> 49793		Site:	t Seen 1892-06-18 1892-06-18 2003-01-07
Quad Summary: Elmira (3812138/ County Summary: Solano	498C)				
Lat/Long: 38.28879°/-121. UTM: Zone-10 N42383 Radius: 1 mile Elevation: 80 ft		Mapping PrecisionNOI Symbol Type:POI		01W 10	Qtr: SW
Location Detail: MAPPED IN VIC			UNKNOWN SOURCE. NEEDS FIELD	WORK.	
Occurrence No. 71 Occ Rank: Unknown Origin: Natural/Native oc		EO Index: 60363			2001-06-16 2001-06-16
Presence: Presumed Extant Trend: Unknown			Record Las	t Updated:	2005-03-04
Quad Summary: Saxon (3812146/ County Summary: Yolo	497B), Davis (3812156/513C	;)			
Lat/Long: 38.49860°/-121. UTM: Zone-10 N42619 Radius: 1/10 mile Elevation: 40 ft		Mapping PrecisionNOI Symbol Type:POI		03E 31	Qtr: N
Location Detail: 10 YARDS WES	T OF DEPARTMENT OF DEF		EAST ALONG ENTRANCE RD, THEN COORDINATES PROVIDED IN SOUI		0 YARDS.

vernal pool smallscale			Element Code: PDCHE	42P0	
State	us —	NDDB Element Ranks	Other	ists —	
Federal: None		Global: G2		NPS List: 1B.	2
State: None		State: S2.2			
Habitat As	ssociations —				
General: VERNA	L POOLS.				
Micro: ALKALI	NE VERNAL POOLS. 10-115	5M.			
Occurrence No.	. 10 Map Ind	ex: 36786 EO Index	<b>K:</b> 31783	Dates I	.ast Seen
Occ Rank:	Unknown				: 1991-10-11
•	Natural/Native occurrence			Site	: 1991-10-11
	Presumed Extant		Deed	مغال معذ السطعة م	4. 1007 10 00
Trend:	Unknown		Reco	ra Last Opdate	<b>d:</b> 1997-10-09
Quad Summary:	: Dozier (3812137/498D)				
County Summary	: Solano				
-	38.26091º/-121.84223º			nship: 05N	
	Zone-10 N4235398 E60128			ange: 01E	
	1/5 mile			ction: 23	Qtr: SW
Elevation:	25 ft	Symbol	Type:POINT Me	ridian: M	
Location Detail Ecological	I:FORMERLY TNC'S JEPSO CONS. EASEMENT. IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN	IE SOIL. SPARSE COVER OF DISTICHL	PEN SPACE O S SPICATA, FF	ANKENIA GRANDIF
Location Detail Ecological General:	I:FORMERLY TNC'S JEPSO CONS. EASEMENT. IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS.	TO SOLANO COUNTY FARMLANDS & C	PEN SPACE O S SPICATA, FF	ANKENIA GRANDIF
Location Detail Ecological General:	: Formerly TNC'S JEPSO CONS. EASEMENT. : IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN MAIN SOURCE OF INFORM : SOLANO LAND TRUST	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C	PEN SPACE O S SPICATA, FF _OR FROM SW	ANKENIA GRANDIF
Location Detail Ecological General: Owner/Manager	EFORMERLY TNC'S JEPSO CONS. EASEMENT. : IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN : MAIN SOURCE OF INFORM : SOLANO LAND TRUST . 33 Map Ind	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN MAIN SOURCE OF INFORM SOLANO LAND TRUST     33 Map Ind Unknown Natural/Native occurrence	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element	ANKENIA GRANDIF 1/4 SW1/4 SEC 23.
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element Site	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. ast Seen : 1992-07-17 : 1992-07-17
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN MAIN SOURCE OF INFORM SOLANO LAND TRUST     33 Map Ind Unknown Natural/Native occurrence	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element Site	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element Site	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. ast Seen : 1992-07-17 : 1992-07-17
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant     Unknown     cozier (3812137/498D)	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433	PEN SPACE O S SPICATA, FF LOR FROM SW — Dates I Element Site	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. ast Seen : 1992-07-17 : 1992-07-17
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     . 33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant     Unknown     : Dozier (3812137/498D)     : Solano     : 38.25545° / -121.87042°	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT Nex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433 Recc	PEN SPACE O S SPICATA, FF LOR FROM SW Dates I Element Site rd Last Update	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. ast Seen : 1992-07-17 : 1992-07-17
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIN     MAIN SOURCE OF INFOR!     SOLANO LAND TRUST     J33 Map Ind Unknown     Natural/Native occurrence Presumed Extant Unknown     Solano     Solano     Solano     Solano     Solano     Solano420	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY K: 62433 Recc Toy	PEN SPACE O S SPICATA, FF LOR FROM SW Dates I Element Site rd Last Update	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     J33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Solano     So	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY (c 62433 Recc Tow F sisionSPECIFIC	PEN SPACE O S SPICATA, FF OR FROM SW Dates I Element Site rd Last Update nship: 05N ange: 01E botion: 28	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. ast Seen : 1992-07-17 : 1992-07-17
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     J33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Solano     So	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN MUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY (c 62433 Recc Tow F sisionSPECIFIC	PEN SPACE O S SPICATA, FF LOR FROM SW Dates I Element Site rd Last Update	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	FORMERLY TNC'S JEPSO CONS. EASEMENT.     IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM     MAIN SOURCE OF INFORM     SOLANO LAND TRUST     33 Map Ind Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Solano     38.25545° / -121.87042°     Zone-10 N4234761 E59883     80 meters     : 35 ft     : JEPSON PRAIRIE, ABOUT	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN WUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY	PEN SPACE O S SPICATA, FF OR FROM SW Dates I Element Site rd Last Update nship: 05N ange: 01E botion: 28	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	EFORMERLY TNC'S JEPSO CONS. EASEMENT. IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM MAIN SOURCE OF INFORM SOLANO LAND TRUST 33 Map Ind Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.25545° / -121.87042° Zone-10 N4234761 E59883 80 meters 35 ft JEPSON PRAIRIE, ABOUT EIN LARGE PLAYA VERNAL	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN WUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index 30 Mapping Prec Symbol 1 1.2 MILES NORTHWEST OF CREED. . POOL IN THE NE 1/4 OF THE NW 1/4 OF	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY (c) 62433 Recc Tow F isionSPECIFIC S Type:POINT Me SECTION 28.	PEN SPACE O S SPICATA, FF OR FROM SW Dates I Elemeni Site rd Last Update nship: 05N ange: 01E tction: 28 idian: M	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	EFORMERLY TNC'S JEPSO CONS. EASEMENT. IN LARGE, PLAYA TYPE V PSILOCARPUS BREVISSIM MAIN SOURCE OF INFORM SOLANO LAND TRUST 33 Map Ind Unknown Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.25545° / -121.87042° Zone-10 N4234761 E59883 80 meters 35 ft JEPSON PRAIRIE, ABOUT EIN LARGE PLAYA VERNAL	N PRAIRIE PRESERVE; TRANSFERRED T ERNAL POOL. SILTY, SLIGHTLY ALKALIN WUS. MATION FOR THIS SITE IS 1991 COLLECT lex: 24988 EO Index	TO SOLANO COUNTY FARMLANDS & C IE SOIL. SPARSE COVER OF DISTICHL TION BY CLIFTON AND MAP BY D. TAY (c) 62433 Recc Tow F isionSPECIFIC S Type:POINT Me SECTION 28.	PEN SPACE O S SPICATA, FF OR FROM SW Dates I Elemeni Site rd Last Update nship: 05N ange: 01E tction: 28 idian: M	ANKENIA GRANDIF 1/4 SW1/4 SEC 23. 

	ip.		Element Co	de: ICBRA03010		
Federal: Endang State: None		NDDB Element Ranks Global: G1 State: S1		Other Lists     CDFG Status	s:	
		State. ST				
	SSOCIATIONS	THE NORTHERN TWO-THIRDS OF TH	E CENTRAL VALLEY; FOUN	ID IN LARGE, TURBID	POOLS.	
Micro: INHABI	FASTATIC POOLS LOCATED	IN SWALES FORMED BY OLD, BRAIDE	ED ALLUVIUM; FILLED BY W	INTER/SPRING RAIN	IS, LAST	UNTIL JUNE.
Occurrence No.	. 1 Map Inde	x: 34153 EO Inde	<b>x:</b> 1960	— I	Dates Las	st Seen
Occ Rank:				EI		1998-01-31
	Natural/Native occurrence				Site:	1998-01-31
	Presumed Extant Unknown			Record Last U	Jpdated:	2005-06-21
Quad Summary:	: Dozier (3812137/498D)					
County Summary	: Solano					
Lat/Long:	38.26970º / -121.84368º			Township:	05N	
	Zone-10 N4236371 E601150			Range:		
Area: Elevation:	05.4		cisionNON-SPECIFIC Type:POLYGON	Section: 2 Meridian:		Qtr: XX
Elevation	2011	Cymbol		Meridian.		
	HIGH TURBIDITY DUE TO C	STORED VERNAL POOLS IN CENTRAL CONSTANT WIND CAUSING SUSPENSION	ON OF FINE SEDIMENTS.		IING WAT	ER INTO JUNE,
Threat:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO	ON OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN	IT.		,
Threat: General:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED	CONSTANT WIND CAUSING SUSPENSIO	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU	IT. S ADULTS/JUVENILE		,
Threat:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU	IT. S ADULTS/JUVENILE		
Threat: General:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU	IT. S ADULTS/JUVENILE ARVAE OBS. —— [	S OBS IN	N POOL A-1, PLA
Threat: General: Owner/Manager Occurrence No. Occ Rank:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. —— [	S OBS IN Dates Las	N POOL A-1, PLA
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good Natural/Native occurrence	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. —— [	S OBS IN Dates Las	N POOL A-1, PLA
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. —— [	Dates Las lement: Site:	N POOL A-1, PLA <b>St Seen</b> 1997-01-10 1997-01-10
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT : 6 Map Inde Good Natural/Native occurrence Presumed Extant	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. —— [ EI	Dates Las lement: Site:	N POOL A-1, PLA <b>St Seen</b> 1997-01-10 1997-01-10
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	CONSTANT WIND CAUSING SUSPENSIC JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. —— [ EI	Dates Las lement: Site:	N POOL A-1, PLA <b>St Seen</b> 1997-01-10 1997-01-10
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27069° / -121.82633°	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA x: 32556 EO Inde	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU & CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. [ EI Record Last U 	S OBS IN Dates Las lement: Site: Jpdated:	N POOL A-1, PLA <b>St Seen</b> 1997-01-10 1997-01-10
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown 5 Dozier (3812137/498D) 5 Solano 38.27069° / -121.82633° Zone-10 N4236500 E602666	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA 10 CONSERVATIO, 1998. AMBYSTOMA 10 CONSERVATIO, 1998. AMBYSTOMA 10 CONSERVATIO, 1998. AMBYSTOMA	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU A CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. EI Record Last U Township: 0 Range: 0	Dates Las lement: Site: Jpdated: 05N 01E	<b>St Seen</b> 1997-01-10 1997-01-10 2006-06-20
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLL 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown 1 Dozier (3812137/498D) 1 Solano 3 8.27069° / -121.82633° Zone-10 N4236500 E602666 58.5 acres	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA x: 32556 EO Inde	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN 2 2: >1000; 1996; NUMEROU CALIFORNIENSE & HYLA I x: 1704	IT. S ADULTS/JUVENILE LARVAE OBS. EI Record Last U Township: ( Range: ( Section: 2	Contes Lass lement: Site: Jpdated: 05N 01E 23	N POOL A-1, PLA <b>St Seen</b> 1997-01-10 1997-01-10
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLL 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown 1 Dozier (3812137/498D) 1 Solano 3 8.27069° / -121.82633° Zone-10 N4236500 E602666 58.5 acres	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA x: 32556 EO Inde	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN & 2: >1000; 1996; NUMEROU A CALIFORNIENSE & HYLA I	IT. S ADULTS/JUVENILE ARVAE OBS. EI Record Last U Township: 0 Range: 0	Contes Lass lement: Site: Jpdated: 05N 01E 23	<b>St Seen</b> 1997-01-10 1997-01-10 2006-06-20
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLU 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT : 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27069° / -121.82633° Zone-10 N4236500 E602666 58.5 acres : 18 ft : OLCOTT LAKE, WEST OF C	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 B. CONSERVATIO, 1998. AMBYSTOMA IX: 32556 EO Inde Mapping Pred Symbol COOK LANE & EAST OF SACRAMENTO	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN 2 2: >1000; 1996; NUMEROU CALIFORNIENSE & HYLA I x: 1704 cisionSPECIFIC Type:POLYGON NORTHERN RAILROAD, SW	IT. S ADULTS/JUVENILE ARVAE OBS. —— t Record Last U Record Last U Range: Section: Meridian:	Contes Las lement: Site: Jpdated: 05N 01E 23 M	N POOL A-1, PLA tt Seen 1997-01-10 1997-01-10 2006-06-20 Qtr: NE
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLL 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano 38.27069° / -121.82633° Zone-10 N4236500 E602666 58.5 acres : 18 ft : OLCOTT LAKE, WEST OF C : ONLY NORTHERN PORTIOI	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, 8 9 B. CONSERVATIO, 1998. AMBYSTOMA x: 32556 EO Inde	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN 2 2: >1000; 1996; NUMEROU A CALIFORNIENSE & HYLA I x: 1704 cisionSPECIFIC Type:POLYGON NORTHERN RAILROAD, SW MATES DO NOT REFLECT E	IT. S ADULTS/JUVENILE ARVAE OBS. Record Last U Record Last U Range: Section: Meridian: (OF DOZIER. NTIRE LAKE. FORME	S OBS IN Dates Las lement: Site: Jpdated: 05N 01E 23 M :RLY TNC	R POOL A-1, PLA 1997-01-10 1997-01-10 2006-06-20 Qtr: NE CS JEPSON PRA
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	HIGH TURBIDITY DUE TO C POSSIBLE THREATS INCLL 1995: A-1: <10 OBS, 1 FEMA & 2. 16 POOLS CONTAINED : PVT 6 Map Inde Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27069° / -121.82633° Zone-10 N4236500 E602666 58.5 acres : 18 ft : OLCOTT LAKE, WEST OF C : ONLY NORTHERN PORTIOL PRESERVE; TRANSFERRE	CONSTANT WIND CAUSING SUSPENSIO JDE OVERGRAZING, CONVERSION TO ALE DEP IN CAS(#JPA-1); PLAYAS 1/3, & D B. CONSERVATIO, 1998. AMBYSTOMA TX: 32556 EO Inde Mapping Pre- Symbol COOK LANE & EAST OF SACRAMENTO N OF LAKE WAS SURVEYED, SO ESTIM	DN OF FINE SEDIMENTS. CROPLAND, DEVELOPMEN 2 2: >1000; 1996; NUMEROU A CALIFORNIENSE & HYLA I X: 1704 x: 1704 ctisionSPECIFIC Type:POLYGON NORTHERN RAILROAD, SW MATES DO NOT REFLECT E OPEN SPACE ON 8/97. TN	IT. S ADULTS/JUVENILE ARVAE OBS. [ El Record Last U Corner Section: 3 Meridian: 1 / OF DOZIER. NTIRE LAKE. FORME C RETAINS CONSER	Dates Las lement: Site: Jpdated: 05N 01E 23 M RLY TNC VATION I	R POOL A-1, PLA 1997-01-10 1997-01-10 2006-06-20 Qtr: VE Qtr: VE CS JEPSON PRA EASEMENT.

Owner/Manager: SOLANO LAND TRUST

Conservancy fairy shrim				Element Code: IC			
Federal: Endang			Element Ranks —— al: G1		Other Lists CDFG Stat		
State: None			te: S1		CDFG Stat	us.	
	ssociations ————————————————————————————————————						
	T ASTATIC POOLS LOCATED						
Occurrence No	•	<b>x:</b> 41829	EO Index: 4	1829	—	Dates Las	
Occ Rank:	: Excellent : Natural/Native occurrence						1999-03-11 1999-03-11
-	: Presumed Extant					one.	1000 00 11
Trend:	Unknown				Record Last	t Updated:	2007-07-31
-	: Dozier (3812137/498D)						
County Summary	: 38.29405º / -121.85090º				Township:	05N	
-	Zone-10 N4239065 E600485				Range:		
	19.7 acres		Mapping Precision		Section:		Qtr: NW
Elevation	: 30 ft		Symbol Type	POLYGON	Meridian:	М	
Ecological	TURBID.	LAYA-TYPE VERNAL PO . A SERIES OF POOLS,	OOLS, ON PESCADE SWALES, AND MOU		LOAM SOILS;		
Threat:	: POSSIBLE THREAT FROM (	GRAZING (SHEEP AND	CATTLE).				
General	: >1000 INDIVIDUALS OBSER	VED ON 11 MAR 1999.	SPECIMENS IN FWS	COLLECTION.			
Owner/Manager	: PVT-BURKE RANCH						
Occurrence No	. 14 Map Inde	<b>x:</b> 35356	EO Index: 4	.2090		Dates Las	t Seen
Occ Rank:	Fair						1996-02-05
-	: Natural/Native occurrence					Site:	1996-02-05
	: Presumed Extant : Unknown				Record Last	Updated:	1999-12-28
	: Denverton (3812128/481B)						
County Summary							
-	38.22365° / -121.97711° Zone-10 N4231124 E589534				Township: Range:		
Area:			Mapping Precision	nNON-SPECIFIC	Section:		Qtr: NE
Elevation	: 5 ft		Symbol Type	POLYGON	Meridian:	М	
Location	: POTRERO HILLS LANDFILL	, 0.3 MILE SOUTH OF H	IWY 12, ~2.2 MILES N	IORTH OF BELDONS LANDIN	NG, 5 MILES E	AST OF FA	IRFIELD.
Location Detai	I: DRAINAGE DITCHES AROU OF EMMINGTON RD. DITCH			IES RUN ALONG SOUTH SIE			
Ecological	I: HABITAT CONSISTS OF AR AND TYPHA SP.	TIFICIAL DRAINAGE DI	TCHES, CONNECTEI	) TO VERNAL POOLS; DITCH	H VEGETATIO	N CONSIS	TS OF SALICORNIA
General	: 10'S OF SHRIMP FOUND AL FRESHWATER WETLANDS,			FILL, 1996; CAS #106748 & #1 I SITE ARE B. LYNCHI, L. PA			
Owner/Manager	: PVT						
Occurrence No	. 17 Map Inde	<b>x:</b> 42556	EO Index: 4	2558		Dates Las	t Seen
Occ Rank:							1992-XX-XX
-	: Natural/Native occurrence					Site:	1992-XX-XX
	: Presumed Extant : Unknown				Record Last	Updated:	2000-03-15
Quad Summary	: Dozier (3812137/498D)						
County Summary	: Solano						
	: 38.26344º / -121.83138º				Township:		
	Zone-10 N4235690 E602235 : 2/5 mile		Mapping Precision	NON-SPECIFIC	Range: Section:		Qtr: XX
			Symbol Type		Meridian:		Mai - 17/1
Elevation							
Elevation	: SEASONAL WETLANDS, 1 M	MILE SOUTH OF OLCO	TT, JEPSON PRAIRIE	, 1.5 MILES WEST OF CALHO	OUN CUT CRO	DSSING BY	HIGHWAY 113.
Elevation	: SEASONAL WETLANDS, 1 M I: VERNAL POOL HABITAT TY			, 1.5 MILES WEST OF CALHO	OUN CUT CRO	DSSING BY	HIGHWAY 113.

onservancy fairy shrimp					Code: ICBRA03010 Other Lists		
Federal: Endange State: None			NDDB Element Rank     Global: G1     State: S1	KS ————	CDFG Stat	us:	
	C TO THE GRASSL			THE CENTRAL VALLEY; FOU			
						INO, EAOT	ONTIE SOME.
Occurrence No. Occ Rank:		Map Index: 5452	20 <b>EO</b> I	Index: 54520	—		2003-04-07
-	Natural/Native occu Presumed Extant	rrence				Site:	2003-04-07
	Unknown				Record Last	Updated	: 2004-12-13
	Saxon (3812146/49	7B)					
County Summary:							
-	38.43662º / -121.66 Zone-10 N4255098				Township: Range:		
Area:	10.3 acres	,		PrecisionSPECIFIC	Section:	20	Qtr: SW
Elevation:	15 ft		Sym	hbol Type:POLYGON	Meridian:	М	
Location:	~1.4 MILES NNE O	F VAUGHN RANC	CH, GLIDE TULE ELK RESER	RVE			
	HABITAT CONSIST FOUND AT THIS S		OOL; SURROUNDING ARE	A GRAZED BY CATTLE. LEPIE	DURUS PACKARDI AN	ID CYZICL	JS CALIFORNIC
	"LOTS" OF INDIVIE DPR-TULE ELK SR		D ON 7 APR 2003.				
Occurrence No.	20	Map Index: 5748	30 <b>EO</b>	Index: 57496			ist Seen ——
Occ Rank:							1993-02-XX
-	Natural/Native occu Presumed Extant	rrence				Site:	1993-02-XX
	Unknown				Record Last	Updated	2004-10-19
Quad Summary:	Dozier (3812137/49	 18D)					
County Summary:							
Lat/Long:	38.27305º / -121.83	3453°			Township:	05N	
	Zone-10 N4236753	E601945			Range:	01E	
Radius: Elevation:				PrecisionNON-SPECIFIC hool Type:POINT	Section: Meridian:		Qtr: XX
Location:	POOLS, ACROSS	RAILROAD TRAC	KS FROM OLCOTT LAKE.				
Ecological:	VERNAL POOLS.						
General:	NUMBER OF SPEC	CIMENS NOT GIV	EN.				
Owner/Manager:	UNKNOWN						
Occurrence No.	23	Map Index: 6165	53 <b>EO</b>	Index: 61689		Dates La	ist Seen
Occ Rank:							2002-02-15
-	Natural/Native occu Presumed Extant	rrence				Site:	2002-02-15
	Unknown				Record Last	Updated	2005-06-20
Quad Summarv:	Elmira (3812138/49						
County Summary:		,					
	38.26581º / -121.87	 7815º			Township:	05N	
-	Zone-10 N4235903				Range:		
Area: Elevation:	18.7 acres 32 ft			PrecisionSPECIFIC hool Type:POLYGON	Section: Meridian:		Qtr: XX
	ABOUT 3.6 MILES	WSW DOZIER.					
Location Detail:	VERNAL POOLS #	3, 10, AND 23. PC	OOL #10 NOT SHOWN ON TO	OPO MAP.			
Faalaalaala	VERNAL POOL.						
Ecological:							

Conservancy fairy shrimp		Element Code: ICBRA03010
Status	NDDB Element Ranks     Global: G1     State: S1	CDFG Status:
Habitat Associations — General: ENDEMIC TO THE GRASSLANDS OF THE NO Micro: INHABIT ASTATIC POOLS LOCATED IN SWAL		AL VALLEY; FOUND IN LARGE, TURBID POOLS. /IUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.
Occurrence No. 24 Map Index: 61654 Occ Rank: Unknown Origin: Natural/Native occurrence	EO Index: 61690	Detes Last Seen
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2005-06-20
Quad Summary: Dozier (3812137/498D) County Summary: Solano		
Lat/Long: 38.25895° / -121.87197° UTM: Zone-10 N4235149 E598690 Area: 29.5 acres	Mapping PrecisionSPI	Township: 05N Range: 01E ECIFIC Section: 21 Qtr: XX
Elevation: 33 ft	Symbol Type:PO	
Location: ABOUT 3.5 MILES SOUTHWEST OF I Location Detail: VERNALS POOLS #4 AND 5. Ecological: VERNAL POOLS.	DOZIER.	
General: NUMBER OF INDIVIDUALS NOT REC Owner/Manager: UNKNOWN	ORDED.	
Occurrence No. 25 Map Index: 61657 Occ Rank: Unknown	<b>EO Index:</b> 61693	B
Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2005-06-20
Quad Summary: Dozier (3812137/498D) County Summary: Solano		
Lat/Long: 38.26436°/-121.86794° UTM: Zone-10 N4235753 E599034 Area: 9.9 acres Elevation: 34 ft	Mapping PrecisionSP Symbol Type:PO	
Location: ABOUT 3.0 MILES WSW DOZIER.		
Location Detail: VERNAL POOLS #7 AND 8. POOL #8 Ecological: VERNAL POOL.	DOES NOT SHOW ON TOPO MAP.	
General: NUMBER OF INDIVIDUALS NOT GIVE Owner/Manager: UNKNOWN	EN.	
Occurrence No. 26 Map Index: 61647 Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown	EO Index: 61694	4 Dates Last Seen
Quad Summary: Elmira (3812138/498C) County Summary: Solano		
Lat/Long: 38.26016° / -121.89766° UTM: Zone-10 N4235255 E596440 Area: 4.8 acres Elevation: 37 ft	Mapping PrecisionSPI Symbol Type:PO	
Location: ABOUT 4.6 MILES SOUTHWEST OF I		
Location Detail: VERNAL POOL #11. Ecological: VERNAL POOL.		
General: NUMBER OF INDIVIDUALS NOT REC	ORDED.	

Conservancy fairy shrimp		Element Code: ICBRA03010	
Status	NDDB Element Ranks Global: G1 State: S1	CDFG Status:	-
Habitat Associations — General: ENDEMIC TO THE GRASSLANDS OF THE Micro: INHABIT ASTATIC POOLS LOCATED IN SV		TRAL VALLEY; FOUND IN LARGE, TURBID POOLS. JVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JU	NE.
Occurrence No. 27 Map Index: 61 Occ Rank: Unknown Origin: Natural/Native occurrence	659 <b>EO Index:</b> 616	95 Dates Last Seen Element: 2002-02 Site: 2002-02	
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2005-06	
Quad Summary: Elmira (3812138/498C) County Summary: Solano			
Lat/Long: 38.25734° / -121.90547° UTM: Zone-10 N4234934 E595761 Area: 26.8 acres Elevation: 45 ft	Mapping PrecisionS Symbol Type:P		x
Location: ABOUT 5.0 MILES SOUTHWEST C Location Detail: VERNAL POOLS #12 AND 13. Ecological: VERNAL POOLS. General: NUMBER OF INDIVIDUALS NOT R Owner/Manager: UNKNOWN	DF DOZIER.		
Occurrence No. 28 Map Index: 61 Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown	660 EO Index: 616	96 — Dates Last Seen - Element: 2002-02 Site: 2002-02 Record Last Updated: 2005-06	-15 -15
Quad Summary: Denverton (3812128/481B) County Summary: Solano			
Lat/Long: 38.24711º / -121.88269º UTM: Zone-10 N4233823 E597767 Area: 36.9 acres Elevation: 36 ft	Mapping PrecisionS Symbol Type:P		x
Location: ABOUT 4.5 MILES SOUTHWEST C			
Location Detail: VERNAL POOLS #14, 16, AND 17. Ecological: VERNAL POOL. General: POOL #17 HAS IRREGULAR MAR Owner/Manager: UNKNOWN			
Occurrence No. 29 Map Index: 61 Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown	661 EO Index: 616	97 — Dates Last Seen - Element: 2002-02 Site: 2002-02 Record Last Updated: 2005-06	-15 -15
Quad Summary: Dozier (3812137/498D) County Summary: Solano			
Lat/Long: 38.26950° / -121.87073° UTM: Zone-10 N4236321 E598784 Radius: 80 meters Elevation: 35 ft	Mapping PrecisionS Symbol Type:P		x
Location: ABOUT 3.1 MILES WEST-SOUTHV Location Detail: VERNAL POOL #25.	VEST OF DOZIER.		
Ecological: VERNAL POOL. General: NUMBER OF SPECIMENS NOT R	ECORDED.		

vernal pool fairy shrimp		NDDB Element Ranks	Element Code: ICBRA03030 Other Lists	
Federal: Threate State: None	ned	Global: G3 State: S2S3	CDFG Statu	s:
General: ENDEM	ssociations			
	IS MALL, CLEAR-WATER SANDSTONE-DE			
Occurrence No	•	EO Index: 2649		Dates Last Seen
•	Natural/Native occurrence		E	lement: 1995-02-17 Site: 1995-02-17
	Presumed Extant Unknown		Record Last I	Updated: 1995-10-24
	: Allendale (3812148/498B)			
County Summary			<b>T</b>	001
	38.38399º / -121.95028º Zone-10 N4248942 E591681		Township: Range:	
	80 meters	Mapping PrecisionSPECI	-	
Elevation	90 ft	Symbol Type:POINT		
Location Location Detai	: 0.75 MILE NORTH OF THE INTERSECTION	N OF I-80 AND I-505, NORTH OF VAC/	WILLE.	
				000
-	HABITAT CONSISTS OF A VERNAL POOL		AND. AREA WAS DISKED ADUUT 1	330.
	THREATENED BY FUTURE DEVELOPMEN 1/20/1995-4 OR 5 OBSERVED, 2 MALES A	ND 1 FEMALE COLLECTED AND DEP		
Owner/Manager	2/17/1995-6 MALES AND 2 FEMALES OBS : PVT-CHEVRON	ERVED; ESTIMATED TOTAL POPULA	TION SIZED FOR POOL #33 WAS <5	50.
Occurrence No	. 98 Map Index: 32547	EO Index: 1752	,	Dates Last Seen
Occ Rank:	•		E	lement: 1993-02-07
-	Natural/Native occurrence			Site: 1993-02-07
	Presumed Extant Unknown		Record Last	Updated: 1995-11-13
Quad Summary	: Dixon (3812147/498A)			
County Summary				
Lat/Long:	38.41739º / -121.85050º		Township:	07N
	Zone-10 N4252752 E600349		Range:	
Area: Elevation	1.4 acres	Mapping PrecisionSPECI Symbol Type:POLY0		
				IVI
	SW OF DIXON; IMMEDIATELY N OF MIDW		LROAD.	
Location Detai	I: IN RAILROAD DITCH BETWEEN RAILROA	D AND ROAD.		
Ecological	: TURBID VERNAL POOL WITH ALGAE; RIF	PARIAN BRUSH; RR RIGHT-OF-WAY.		
General	20+ INDIVIDUALS OBSERVED IN POOL.			
Owner/Manager	: PVT-SPRR			
	. 171 Map Index: 33701	EO Index: 30601		Dates Last Seen
Occurrence No			E	lement: 1993-01-16 Site: 1993-01-16
Occ Rank:				
Occ Rank: Origin:	Unknown Natural/Native occurrence Presumed Extant			
Occ Rank: Origin: Presence:	Natural/Native occurrence		Record Last I	Updated: 1997-03-11
Occ Rank: Origin: Presence: Trend: Quad Summary	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A)		Record Last I	Updated: 1997-03-11
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A) : Solano			
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	Natural/Native occurrence Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.22069º / -121.83364º		Township:	04N
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.22069° / -121.83364° Zone-10 N4230944 E602097	Manning PrecisionN/ON-C	Township: Range:	04N 01E
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A) : Solano : 38.22069° / -121.83364° Zone-10 N4230944 E602097 3/5 mile	Mapping PrecisionNON-S Symbol Type:POINT	Township: Range: PECIFIC Section:	04N 01E 02 <b>Qtr</b> : KX
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A) : Solano : 38.22069° / -121.83364° Zone-10 N4230944 E602097 3/5 mile	Symbol Type:POINT	Township: Range: PECIFIC Section: Meridian:	04N 01E 02 <b>Qtr:</b> XX M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: UTM: Radius: Elevation: Location	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A) : Solano 38.22069° / -121.83364° Zone-10 N4230944 E602097 3/5 mile 60 ft	Symbol Type:POINT	Township: Range: PECIFIC Section: Meridian:	04N 01E 02 <b>Qtr:</b> XX M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	Natural/Native occurrence Presumed Extant Unknown Birds Landing (3812127/481A) : Solano 38.22069° / -121.83364° Zone-10 N4230944 E602097 3/5 mile : 60 ft : NORTHEAST OF THE INTERSECTION OF	Symbol Type:POINT	Township: Range: PECIFIC Section: Meridian:	04N 01E 02 <b>Qtr:</b> XX M

vernal pool fairy shrimp State		NDDB Element Ranks	Element Code	• Other Lists		
Federal: Threater State: None		Global: G3 State: S2S3		CDFG Stat	us:	
General: ENDEM		CENTRAL VALLEY, CENTRAL COAST DNE-DEPRESSION POOLS AND GRA				
Presence:	•	702 EO Index: 3	30612		Site:	1993-02-04 1993-02-04
	: Allendale (3812148/498B)					
Lat/Long: UTM:	38.39534° / -121.92462° Zone-10 N4250227 E593907 3/5 mile	Mapping Precisic Symbol Typ		Township: Range: Section: Meridian:	01W 01	Qtr: XX
Location Detail	NORTHEAST OF THE INTERSECT SEASONAL WETLANDS LOCATED NATURAL SEASONAL WETLANDS		I-80. NORTHEAST OF VAC	AVILLE.		
General: Owner/Manager		IE FEATURE INSPECTED. SUGNET R	ECORD #55. NO LEPIDUR	US PACKARDI C	BSERVED	
-	•	703 EO Index: 3	30613			at Seen 1993-02-07 1993-02-07
Quad Summary:	Unknown : Dixon (3812147/498A)			Record Last	Updated:	1997-03-20
UTM:	: 38.42381º / -121.85041º Zone-10 N4253465 E600348 3/5 mile	Mapping Precisic Symbol Typ		Township: Range: Section: Meridian:	01E 27	Qtr: XX
Location Detail Ecological	I: VERNAL POOLS LOCATED SOME : NATURAL VERNAL POOLS.	TION OF PITT SCHOOL ROAD AND M WHERE IN SECTION 27. IE FEATURE INSPECTED. SUGNET R			BSERVED	
Owner/Manager:						-
•	•	356 EO Index: S	31380			t Seen 1996-01-22 1996-01-22
Trend:	Unknown : Denverton (3812128/481B)			Record Last	Updated:	1997-08-07
County Summary	: Solano					
-	: 38.22365° / -121.97711° Zone-10 N4231124 E589534 : 5 ft	Mapping Precisic Symbol Typ		Township: Range: Section: Meridian:	01W 04	Qtr: NE
	SITE CONTAINS DRAINAGE DITC	MILES SOUTH OF HWY 12, 5 MILES E HES AROUND THE PERIPHERY OF T NG THE EAST SIDE OF EMMINGTON	HE LANDFILL AREA. THE			
						TS OF SALICORNI

					Element Co	de: ICBRA03030		
Stat				B Element Ranks		— Other Lists		
Federal: Threate	ned			lobal: G3		CDFG Stat	us:	
State: None			:	State: S2S3				
Habitat A								
				LLEY, CENTRAL COAST				
Occurrence No	. 218	Map Index:	34153	EO Index:	41717		Dates La	st Seen ——
Occ Rank	: Fair	•					Element:	1997-12-22
Origin	Natural/Native c	occurrence					Site:	1997-12-22
	Presumed Extai	nt				Record Last	Undeted	2002 07 19
Trend	Unknown					Record Lasi	opuateu.	2002-07-18
Quad Summary	: Dozier (381213	7/498D)						
County Summary	: Solano							
Lat/Long	: 38.26970º/-12	1 8/3680				Township:	05N	
-	Zone-10 N4236					Range:		
Area:				Mapping Precisio	nNON-SPECIFIC	Section:		Qtr: XX
Elevation	: 25 ft			Symbol Type	e:POLYGON	Meridian:	М	
Threat General	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THF : 13 OUT OF 85 I	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING	9 GAS PIPELINE RIGHT-( 200LS IN CENTRAL VAL V VERNAL POOLS WITH 3, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN	YA POOLS CONTAI IT.	NING WAT	er into june
Threat	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THR : 13 OUT OF 85 I : PVT	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 3, CONVERSION TO CRO	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT.	NING WAT	TER INTO JUNE
Threat General Owner/Manager Occurrence No Occ Rank:	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THF : 13 OUT OF 85 I : PVT . 225 : Fair	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index:	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA 	NING WAT OBSERVE Dates La: Element:	TER INTO JUNE D. <b>st Seen</b> 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank Origin	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 225 Fair Natural/Native c	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DOCUTRENCE	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA 	NING WAT OBSERVE Dates Lat	TER INTO JUNE
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence:	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THF : 13 OUT OF 85 I : PVT . 225 : Fair	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DOCUTRENCE	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA 	NING WAT OBSERVE Dates La: Element: Site:	TER INTO JUNE D. 1997-01-07 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THF : 13 OUT OF 85 I : PVT : 225 : Fair : Natural/Native c : Presumed Extai : Unknown : Allendale (3812	NING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: poccurrence nt	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA	NING WAT OBSERVE Dates La: Element: Site:	TER INTO JUNE D. 1997-01-07 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	CORRESPOND I: HABITAT CONS TURBIDITY; AN : POSSIBLE THF : 13 OUT OF 85 I : PVT : 225 : Fair : Natural/Native c : Presumed Extai : Unknown : Allendale (3812	NING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: poccurrence nt	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA	NING WAT OBSERVE Dates La: Element: Site:	TER INTO JUNE D. 1997-01-07 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF : 13 OUT OF 85 I : PVT . 225 : Fair : Natural/Native c : Presumed Extai : Unknown : Allendale (3812 : Solano : 38.40448° / -12	MING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE nt 148/498B) 1.94018°	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL V VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE	LEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/	YA POOLS CONTAI IT. A & HYLA REGILLA  Record Last	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N	TER INTO JUNE D. 1997-01-07 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 2225 Fair Natural/Native of Presumed Extai Unknown : Allendale (3812 r: Solano : 38.40448° / -12 Zone-10 N4251	MING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE nt 148/498B) 1.94018°	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL W VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W	ER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 2225 Fair Natural/Native c Presumed Extai Unknown Allendale (3812 r: Solano 38.40448° / -12 Zone-10 N4251	MING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE nt 148/498B) 1.94018°	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL W VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972	YA POOLS CONTA IT. A & HYLA REGILLA  Record Last  Township:  Range:  Section:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35	TER INTO JUNE D. 1997-01-07 1997-01-07
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 2225 Fair Natural/Native c Presumed Extai Unknown Allendale (3812 r: Solano 38.40448° / -12 Zone-10 N4251	MING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE nt 148/498B) 1.94018°	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT	POOLS IN CENTRAL VAL W VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35	ER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 225 Fair Natural/Native c Presumed Extai Unknown Allendale (3812 Solano 38.40448°/-12 Zone-10 N4251 95 ft	MING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE nt 148/498B) 1.94018° 226 E592536	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT 41972	POOLS IN CENTRAL VAL W VERNAL POOLS WITH 6, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972 41972	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range: Section: Meridian:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35 M	CER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28 Qtr: XX
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF : 13 OUT OF 85 I : PVT . 225 : Fair : Natural/Native c Presumed Extai : Unknown : Allendale (3812 r: Solano : 38.40448° / -12 Zone-10 N4251 : 95 ft : BOUNDED BY	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DOCURTENCE nt 148/498B) 1.94018° 226 E592536 I-505 (W), LEISU	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT 41972	POOLS IN CENTRAL VAL V VERNAL POOLS WITH S, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4 Mapping Precisio Symbol Type	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972 41972 eiPOLYGON RKWAY (S), AND MIDWA	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range: Section: Meridian:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35 M	CER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28 Qtr: XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary UTM: Area: Elevation Location Detai	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF : 13 OUT OF 85 I : PVT . 225 : Fair : Natural/Native c : Presumed Extai : Unknown : Allendale (3812 r: Solano : 38.40448° / -12 Zone-10 N4251 : 95 ft : BOUNDED BY I: NORTH VILLAC	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: DECURFENCE 148/498B) 1.94018° 226 E592536 I-505 (W), LEISL DE PROJECT SI	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT 41972 JIRE TOWN ROAE TE, WEST OF TH	POOLS IN CENTRAL VAL V VERNAL POOLS WITH G, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4 Mapping Precisio Symbol Type	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972 41972 e:POLYGON RKWAY (S), AND MIDWA T PLANT	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range: Section: Meridian:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35 M	CER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28 Qtr: XX
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica	CORRESPOND I: HABITAT CONS TURBIDITY; AN POSSIBLE THF 13 OUT OF 85 I PVT 2225 Fair Natural/Native of Presumed Extai Unknown Allendale (3812 Solano 38.40448°/-12 Zone-10 N4251 95 ft I: NORTH VILLAO I: ANNUAL GRAS	DING POOLS. SISTS OF REST ID MODERATE- REATS INCLUDE POOLS SAMPLE Map Index: 000000000000000000000000000000000000	ORED VERNAL F SIZED, SHALLOV E OVERGRAZING ED POOLS CONT 41972 JIRE TOWN ROAE TE, WEST OF TH EASONALLY POI	POOLS IN CENTRAL VAL V VERNAL POOLS WITH G, CONVERSION TO CRC AINED B. LYNCHI. TIGE EO Index: 4 Mapping Precisio Symbol Typ D (E), VACA VALLEY PAF IE SEWAGE TREATMEN	LLEY GRASSLAND; PLA I LESS TURBIDITY. DPLAND, DEVELOPMEN R SALAMANDER LARV/ 41972 41972 e:POLYGON RKWAY (S), AND MIDWA T PLANT	YA POOLS CONTA IT. A & HYLA REGILLA —— Record Last Township: Range: Section: Meridian:	NING WAT OBSERVE Dates La: Element: Site: Updated: 07N 01W 35 M	CER INTO JUNE D. 1997-01-07 1997-01-07 2004-10-28 Qtr: XX

					Element C	ode: ICBRA03030		
Stat				0B Element Ranks —		Other Lists		
Federal: Threate	ned			G3 G3 G3		CDFG Stat	us:	
State: None				State: S2S3				
Habitat As	ssociations —							
General: ENDEM	IC TO THE GRASS	SLANDS OF TH	IE CENTRAL VA	LLEY, CENTRAL COAST	T MTNS, AND SOUTH C	OAST MTNS, IN AS	TATIC RAIN	N-FILLED POO
Micro: INHABI	T SMALL, CLEAR-V	WATER SANDS	STONE-DEPRES	SION POOLS AND GRA	SSED SWALE, EARTH	SLUMP, OR BASALT	-FLOW DE	PRESSION PO
Occurrence No	. 234	Map Index:	42570	EO Index:	42570		Dates Las	st Seen ——
Occ Rank:	Good						Element:	2005-02-03
Origin:	Natural/Native occ	currence					Site:	2005-02-03
Presence:	Presumed Extant							
Trend:	Unknown					Record Last	Updated:	2006-03-30
Quad Summary	: Elmira (3812138/4	498C)						
County Summary	: Solano							
Lat/Long:	: 38.28372º / -121.9	94320°				Township:	05N	
UTM:	Zone-10 N423782	23 E592426				Range:	01W	
Area:				Mapping Precision	onNON-SPECIFIC	Section:	14	Qtr: NE
Elevation	: 140 ft			Symbol Typ	e:POLYGON	Meridian:	М	
Ecological General:	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CO	'BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10	IAL VERNAL PC ADOCERANS, D	PACE PRESERVE AREA IOLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1	IAL POOLS. OTHER FADPOLES.	ASSOCIA	FED TAXA INC
Ecological General: Owner/Manager Occurrence No	: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CO : OBSERVED ON 2 : DOD-TRAVIS AFI	'BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D D0'S OBSERVED	PACE PRESERVE AREA POLS/SEASONAL WETL/ PYTISCID BEETLE LARV.	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER TADPOLES. BP38 & BP39A) 15 T	ASSOCIA O 37 CM E Dates Las	TED TAXA INC DEEP. st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank:	: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI . 245 Good	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index:	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D D0'S OBSERVED	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER TADPOLES. BP38 & BP39A) 15 T	ASSOCIA <sup>-</sup> O 37 CM E Dates Las Element:	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	HINCLUDES THE " HABITAT INCLUE OSTRACODS, CC OBSERVED ON 2 DOD-TRAVIS AFI 245 Good Natural/Native occ	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index:	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D D0'S OBSERVED	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER TADPOLES. BP38 & BP39A) 15 T	ASSOCIA O 37 CM E Dates Las	TED TAXA INC DEEP. st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI . 245 Good	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index:	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D D0'S OBSERVED	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER TADPOLES. BP38 & BP39A) 15 T	ASSOCIA O 37 CM E Dates Las Element: Site:	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX 2003-01-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	HINCLUDES THE " HABITAT INCLUE OSTRACODS, CC OBSERVED ON 2 DOD-TRAVIS AFI 245 Good Natural/Native occ Presumed Extant	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T	ASSOCIA O 37 CM E Dates Las Element: Site:	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX 2003-01-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CO : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/4	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T	ASSOCIA O 37 CM E Dates Las Element: Site:	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX 2003-01-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/- : Solano : 38.30785° / -121.1	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira (2007)	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320	PACE PRESERVE AREA OLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C,	IAL POOLS. OTHER TADPOLES. BP38 & BP39A) 15 T —— Record Last	ASSOCIA <sup>-</sup> O 37 CM E Dates La: Element: Site: Updated:	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX 2003-01-XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/4 : Solano	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira (2007)	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320	PACE PRESERVE AREA OOLS/SEASONAL WETL/ YTISCID BEETLE LARV, D IN 2005 IN 5 VERNAL P EO Index:	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C, 43320	IAL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T  Record Last Township: Range:	ASSOCIA <sup>T</sup> O 37 CM C Dates Lat Element: Site: Updated: 05N 01E	TED TAXA INC DEEP. <b>St Seen</b> 2003-01-XX 2003-01-XX 2004-10-26
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	LINCLUDES THE " HABITAT INCLUE OSTRACODS, CC OBSERVED ON 2 DOD-TRAVIS AFI 245 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4 Solano 38.30785° / -121.1 Zone-10 N424057	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira (2007)	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320	PACE PRESERVE AREA IOLS/SEASONAL WETL/ YTISCID BEETLE LARV. IN 2005 IN 5 VERNAL P EO Index:	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C, 43320	IAL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T  Record Lasi Township: Range: Section:	ASSOCIA <sup>T</sup> O 37 CM E Dates La: Element: Site: Updated: 05N 01E 04	TED TAXA INC DEEP. st Seen 2003-01-XX 2003-01-XX
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Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation:	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/4 : Solano : 38.30785° / -121.1 Zone-10 N424057 : 40 ft : NORTH VILLAGE	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira (2 87427° 72 E598423	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E 00'S OBSERVEE 43320 3812138/498C) SITE, 2.75 MILE	PACE PRESERVE AREA POLS/SEASONAL WETL/ YTISCID BEETLE LARV. D IN 2005 IN 5 VERNAL P EO Index: Mapping Precisio Symbol Typ S WEST OF HIGHWAY 1	ANDS & 4 OTHER VERN AE, & CHORUS FROG T OOLS (BP35A, BP35C, 43320 onNON-SPECIFIC e:POLYGON 13, 3.5 MILES WNW OF	AL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T Record Last Township: Range: Section: Meridian: DOZIER, 4.2 MILES	ASSOCIA <sup>T</sup> O 37 CM E Dates Las Element: Site: Updated: 05N 01E 04 M SW OF BI	TED TAXA INC DEEP. 2003-01-XX 2003-01-XX 2003-01-XX 2004-10-26 Qtr: XX NGHAMTON
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation:	I: INCLUDES THE " I: HABITAT INCLUE OSTRACODS, CC OBSERVED ON 2 DOD-TRAVIS AFI 245 Good Natural/Native occ Presumed Extant Unknown Dozier (3812137/4 Solano 38.30785° / -121.1 Zone-10 N424057 40 ft I: NORTH VILLAGE I: WEST 1/2 SEC 4;	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira ( 87427° 72 E598423 E MITIGATION 5 5 ELEVATION F	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D 00'S OBSERVED 43320 3812138/498C) SITE, 2.75 MILE ROM ~40-50 FE	PACE PRESERVE AREA POLS/SEASONAL WETL/ YTISCID BEETLE LARV. D IN 2005 IN 5 VERNAL P EO Index: Mapping Precisio Symbol Typ	ANDS & 4 OTHER VERN AE, & CHORUS FROG 1 POOLS (BP35A, BP35C, 43320	AL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T Record Last Township: Range: Section: Meridian: DOZIER, 4.2 MILES	ASSOCIA <sup>T</sup> O 37 CM E Dates Lat Element: Site: Updated: Updated: 05N 01E 04 M SW OF BI	TED TAXA INC DEEP. 2003-01-XX 2003-01-XX 2004-10-26 Qtr: XX NGHAMTON THROUGHOU
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/4 : Solano : 38.30785° / -121.1 Zone-10 N424057 : 40 ft : NORTH VILLAGE I: WEST 1/2 SEC 4; SITE. NO SHRIMI : HABITAT CONSIS	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira ( 87427° 72 E598423 E MITIGATION 5 ; ELEVATION F P FOUND IN S	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, D D0'S OBSERVED 43320 3812138/498C) SITE, 2.75 MILE FROM ~40-50 FE WALES THAT E	ACE PRESERVE AREA IOLS/SEASONAL WETL/ YTISCID BEETLE LARV. IN 2005 IN 5 VERNAL P EO Index: Mapping Precision Symbol Typ S WEST OF HIGHWAY 1 IET. FEB 2000: B. LYNCH	ANDS & 4 OTHER VERN AE, & CHORUS FROG T POOLS (BP35A, BP35C, 43320 43320 13, 3.5 MILES WNW OF HI FOUND IN 13 SEASC OW. 2002-2003: 3 POOL ED GRASSLAND. MOS	AL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T Record Last Township: Range: Section: Meridian: DOZIER, 4.2 MILES NAL WETLANDS SC S, VIC SW CORNEF WETLANDS FROM	ASSOCIAT O 37 CM E Dates La: Element: Site: Updated: Updated: 05N 01E 04 M SW OF BI CATTERED R OF HAY F 3 TO 45 C	St Seen
Ecological General: Owner/Manager Occurrence No Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai	I: INCLUDES THE " : HABITAT INCLUE OSTRACODS, CC : OBSERVED ON 2 : DOD-TRAVIS AFI : 245 Good Natural/Native occ Presumed Extant Unknown : Dozier (3812137/4 : Solano : 38.30785° / -121.1 Zone-10 N424057 : 40 ft : NORTH VILLAGE I: WEST 1/2 SEC 4; SITE. NO SHRIMI : HABITAT CONSIS	BURKE PROP DES 3 ARTIFIC DPEPODS, CL 2 MAR 1999. 10 B Map Index: currence 498D), Elmira (2 498D), Elmira (2 498D), Elmira (2 498D), Elmira (2 498D), Elmira (2 498D), Elmira (2 57 57 55 55 55 57 50 57 50 57 50 57 50 50 50 50 50 50 50 50 50 50 50 50 50	ERTY" OPEN SI IAL VERNAL PC ADOCERANS, E DO'S OBSERVEE 43320 3812138/498C) SITE, 2.75 MILE ROM ~40-50 FE WALES THAT E L VERNAL POOI . IN POOLS DO	PACE PRESERVE AREA POLS/SEASONAL WETL/ YTISCID BEETLE LARV. D IN 2005 IN 5 VERNAL P EO Index: SWEST OF HIGHWAY 1 YET. FEB 2000: B. LYNCH XPERIENCE WATER FLI S/WETLANDS IN GRAZ MINATED BY PLEUROPO	ANDS & 4 OTHER VERN AE, & CHORUS FROG T POOLS (BP35A, BP35C, 43320 43320 13, 3.5 MILES WNW OF HI FOUND IN 13 SEASC OW. 2002-2003: 3 POOL ED GRASSLAND. MOS	AL POOLS. OTHER FADPOLES. BP38 & BP39A) 15 T Record Last Township: Range: Section: Meridian: DOZIER, 4.2 MILES NAL WETLANDS SC S, VIC SW CORNEF WETLANDS FROM	ASSOCIAT O 37 CM E Dates La: Element: Site: Updated: Updated: 05N 01E 04 M SW OF BI CATTERED R OF HAY F 3 TO 45 C	St Seen

vernal pool fairy shrimp Status	NDDB Element Ranks	Element Code: ICBRA03030 Other Lists		_
Federal: Threatened State: None	Global: G3 State: S2S3	CDFG Stat	us:	
Habitat Associations —				
	,	DAST MTNS, AND SOUTH COAST MTNS, IN AS GRASSED SWALE, EARTH SLUMP, OR BASALT		
Occurrence No. 313	Map Index: 47118 EO Inde		Dates Last Seen	
Occ Rank: Fair Origin: Natural/Native occu	******		Element: 2001-12 Site: 2001-12	
Presence: Presumed Extant	Tence		<b>Und:</b> 2001 II	1
Trend: Unknown		Record Last	t Updated: 2002-0	1-29
Quad Summary: Denverton (381212)	3/481B)			
County Summary: Solano				
Lat/Long: 38.22834º / -121.92		Township:		
UTM: Zone-10 N4231694 Radius: 80 meters		cisionSPECIFIC Section:		W
Elevation: 5 ft		Type:POINT Meridian:		
Location: 1.6 MILES WNW O	DENVERTON; 1.35 MILES (EAST) FROM INTE	RSECTION OF BRANSCOMBE RD AND SR 12, S	OUTH SIDE OF SF	R 12.
Ecological: HABITAT CONSIST	S OF OPEN GRASSLAND.			
Threat: THREAT CONSIST	S OF HIGHWAY IMPROVEMENTS.			
General: UNKNOWN NUMB	R OBSERVED AT POOL #52 ON 21 DEC 2001.			
Owner/Manager: CALTRANS				
Occurrence No. 314	Map Index: 47120 EO Inde	ex: 47120	Dates Last Seen	
Occ Rank: Good			Element: 2001-12	
Origin: Natural/Native occu	rrence		Site: 2001-12	2-20
Presence: Presumed Extant Trend: Unknown		Record Last	t Updated: 2002-0	1-29
Quad Summary: Dozier (3812137/49	8D)			
County Summary: Solano				
Lat/Long: 38.33378º / -121.82		Township:		
UTM: Zone-10 N4243505 Radius: 80 meters		cisionSPECIFIC Section:		21//
Elevation: 30 ft		Type:POINT Meridian:		500
Location: 1.2 MILES SOUTH	OF BINGHAMPTON, 0.25 MI SOUTH OF FRY RD	, & 3.3 MILES NORTH OF DOZIER, EAST SIDE (	OF SR 113.	
Ecological: HABITAT CONSIST	S OF OPEN GRASSLAND. SURROUNDING LAN	D USED FOR GRAZING SHEEP AND LLAMAS		
Threat: THREAT CONSIST	S OF HIGHWAY REALIGNMENT.			
General: UNKNOWN NUMB	R OBSERVED AT POOL #71 ON 20 DEC 2001.			
Owner/Manager: UNKNOWN				
Occurrence No. 328	Map Index: 48477 EO Inde	ex: 48477	Dates Last Seen	
Occ Rank: Good			Element: 2002-02	
Origin: Natural/Native occu	rrence		Site: 2002-04	4-03
Presence: Presumed Extant Trend: Unknown		Record Last	t Updated: 2002-08	8-07
Quad Summary: Saxon (3812146/49	7B)			
County Summary: Yolo	,			
Lat/Long: 38.43560º / -121.68	267º	Township:	07N	
UTM: Zone-10 N4254969		Range:		
Area: 40.9 acres Elevation: 15 ft		cisionSPECIFIC Section: Type:POLYGON Meridian:		XX
		ELECTRIC RAILROAD GRADE FROM ROAD 10		
	-04 AND 51-06, ADJACENT TO EAST SIDE OF R			
	S OF 2 LARGE, SHALLOW, NATURAL VERNAL	POOLS. WHEN FULL, THE POOLS OVERFLOW GRAZED GRASSLAND. HYLA REGILLA IN VICIN		DITCH O

				Element Code: ICBRA03030	
Stat	us ———		NDDB Element Ranks	Other Lists	
Federal: Threate State: None	ned		Global: G3 State: S2S3	CDFG Statu	IS:
	ssociations —				
			CENTRAL VALLEY, CENTRAL COAST MTNS		
Micro: INHABI	T SMALL, CLEAF	R-WATER SANDSTO	NE-DEPRESSION POOLS AND GRASSED	SWALE, EARTH SLUMP, OR BASALT-	FLOW DEPRESSION P
Occurrence No	. 330	Map Index: 484	25 EO Index: 48425		Dates Last Seen
Occ Rank:				E	lement: 2002-01-14
	Natural/Native of	occurrence			Site: 2002-04-02
Presence	Presumed Exta	nt			
Trend:	Unknown			Record Last	Updated: 2002-08-02
Quad Summary	: Dozier (381213	7/498D)			
County Summary	: Solano				
Lat/Long	: 38.32587º/-12	1.78096°		Township:	06N
UTM:	Zone-10 N4242	2675 E606555		Range:	02E
Radius:	80 meters		Mapping PrecisionSPEC	CIFIC Section:	32 Qtr: \W
Elevation	: 15 ft		Symbol Type:POIN	T Meridian:	M
			D IS HIGHLY DISTURBED. LINDERIELLA O	VALLY PONDED DEPRESSION LOCAT CCIDENTALIS ALSO PRESENT.	TED ALONG GRADE. G
	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU		CCIDENTALIS ALSO PRESENT.	
General	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT.	
General: Owner/Manager	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF : UNKNOWN . 331	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES.	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT
General Owner/Manager Occurrence No Occ Rank:	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF : UNKNOWN . 331	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT
General Owner/Manager Occurrence No Occ Rank: Origin: Presence	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 DOCCUTTENCE	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT Dates Last Seen lement: 2002-01-24 Site: 2002-01-24
General Owner/Manager Occurrence No Occ Rank: Origin: Presence	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 DOCCUTTENCE	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT Dates Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extan Unknown Fairfield North (	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Doccurrence nt	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT Dates Last Seen lement: 2002-01-24 Site: 2002-01-24
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown : Fairfield North ( : Solano	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 occurrence nt 3812231/499D)	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT	YET ACCESSIONED AT Dates Last Seen lement: 2002-01-24 Site: 2002-01-24
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( : Solano 38.26374°/-12	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 22.00747°	D IS HIGHLY DISTURBED. LINDERIELLA O RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT  E  Record Last I  Township:	YET ACCESSIONED AT Dates Last Seen Ilement: 2002-01-24 Site: 2002-01-24 Updated: 2002-08-05 05N
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extan Unknown Fairfield North ( Solano 38.26374° / -12 Zone-10 N4235	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 22.00747°	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT  E Record Last I Township: Range:	YET ACCESSIONED AT Dates Last Seen itement: 2002-01-24 Site: 2002-01-24 Updated: 2002-08-05 05N 01W
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area:	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( Solano . 38.26374° / -12 Zone-10 N4235 7.2 acres	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 22.00747°	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443 Mapping PrecisionSPEC	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT E Record Last Township: Range: CIFIC Section:	YET ACCESSIONED AT Dates Last Seen Itement: 2002-01-24 Site: 2002-01-24 Updated: 2002-08-05 05N 01W 19 Qtr: SE
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( Solano . 38.26374° / -12 Zone-10 N4235 7.2 acres	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 22.00747°	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT E Record Last Township: Range: CIFIC Section:	YET ACCESSIONED AT Dates Last Seen Itement: 2002-01-24 Site: 2002-01-24 Updated: 2002-08-05 05N 01W 19 Qtr: SE
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( Solano 38.26374°/-12 Zone-10 N4235 7.2 acres : 40 ft	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 12.00747° 1544 E586829	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443 Mapping PrecisionSPEC	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT E Record Last I Township: Range: CIFIC Section: (GON Meridian:	YET ACCESSIONED AT Dates Last Seen Itement: 2002-01-24 Site: 2002-08-05 Updated: 2002-08-05 05N 01W 19 Qtr: SE M
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( Solano 38.26374°/-12 Zone-10 N4235 7.2 acres 40 ft TOLENAS; APP	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Deccurrence nt 3812231/499D) 12.00747° 1544 E586829 PROX 960 FT SW (AI	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443 Mapping PrecisionSPEC Symbol Type:POLY	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT E Record Last CIFIC CIF	YET ACCESSIONED AT Dates Last Seen Itement: 2002-01-24 Site: 2002-08-05 Updated: 2002-08-05 05N 01W 19 Qtr: SE M
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	USED AS DIRT THREATS INCL UNKNOWN NU ACADEMY OF UNKNOWN UNKNOWN . 331 Poor Natural/Native of Presumed Extai Unknown Fairfield North ( Solano 38.26374° / -12 Zone-10 N4235 7.2 acres 40 ft TOLENAS; APF I: SITE 26-05 IS S HABITAT CONS	ACCESS ROAD AN LUDE DISKING, AGF IMBER OF INDIVIDU SCIENCES. Map Index: 484 Doccurrence nt 3812231/499D) 5544 E586829 PROX 960 FT SW (AI SITUATED BETWEEI SISTS OF A SEASOI	D IS HIGHLY DISTURBED. LINDERIELLA OF RICULTURE AND VEHICULAR TRAFFIC. ALS OBSERVED ON 14 JAN 2002. UNKNOV 43 EO Index: 48443 Mapping PrecisionSPEC Symbol Type:POLY LONG RAILROAD AVE) FROM THE INTERS	CCIDENTALIS ALSO PRESENT. VN NUMBER COLLECTED, BUT NOT  VN NUMBER COLLECTED, BUT NOT  E  E  E  E  E  E  E  E  E  E  E  E  E	YET ACCESSIONED AT Dates Last Seen Clement: 2002-01-24 Site: 2002-01-24 Updated: 2002-08-05 05N 01W 19 Qtr: SE M 30R AVE.

Batus     Poetra: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Batus     Borden: Trustanted     Borden: T	Federal: Threatene State: None						
General: ENDEWIC TO THE CRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, NAN SAUTATIC RANFALCE PARTIELLED POOLS. MICRY INHABIT SMALL, CLEAR-WATER SANDSTONE-OPPRESSION POOLS AND GRASSED SWALE, EARTH SLUAP, OR BASALT FLOW DEPRESSION POOL OCCURTERS NO. 532 Mag Index: 44478 E0 Index: 4478 E0 Inde	Habitat Ass				CDFG State	us:	
Occ Tanit: Finit     Element: 2002 00:06       Origin: Natural Multishie occurrence     Site: 2002 04:07       Presence: Presumed Edual     Record Last Updated: 2002 04:07       Qued Summary: Salon     Township: 00H       Luft/ong: 38.303497-121.72014*     Township: 00H       Luft/ong: 38.303497-121.72014*     Township: 00H       Luft/ong: 38.303497-121.72014*     Township: 00H       Luft/ong: 38.303497-121.72014*     Township: 00H       Lust     Township: 00H       Are: 72.5 and:     Syndo Type-201VGON       Location: SOUTH OF LUFARM; 0.1 T0 1.15 MILES SW KINS OR ALONG SE BIDE OF ARANDOVED SACRAMENE NELECTRIC RALROAD O       Location: SOUTH OF LUFARM; 0.1 T0 1.15 MILES SW KINS OR ALONG SE BIDE OF ARANDOVED SACRAMENE NELECTRIC RALROAD O       Location: SOUTH OF LUFARM; 0.1 NO 1.15 MILES SW KINS OR ALONG SE BIDE OF ARANDOVED SACRAMENE NELECTRIC RALROAD O       Location: SOUTH OF LUFARM; 0.1 NO 1.15 MILES SW KINS OR ALONG SE BIDE OF ARANDOVED SACRAMENE NELECTRIC RALROAD O       Location: South OF DUBARM; 0.1 NO 1.15 MILES SW KINS OR ALONG SE SACRAM ALONG ORADE SUPPORTURE NELECTRIC RALROAD ORADE.       Coct Rant: Finith     Elevation: SOUTH OF LUFARM; 0.1 NO 1.15 MILES SW KINS OR ALONG SE SACRAMENT ON CONTURES OF ROMOVING       Occ Rant: Finith     South Statistic       Occ Rant: Finith     South Statistic       Occ Rant: Finith     South Statistic       Occ Rant: Finith     South Statistic       Treed: Unknown     Record La		C TO THE GRASSLANDS OF THE CENTR					
Origin         Numerical Number occurrence         Site:         2002-04-02           Presence:	Occurrence No.	332 Map Index: 48476	EO Index:	48476		Dates Las	st Seen
Trend:     Unknoon     Record Last Updated:     2002 08-07       Quad Summary:     Sauco (3812146/4978)     Township:     Observation       Latk.ong:     333 30407 / 121 / 221 / 421		Fair			I		
County Summary: Solano           Lations: 38 assisted - 127,2014*         Township: 08h           Lations: 28 assisted - 127,2014*         Township: 02h           Area: 72.5 areas         Symbol Type-POLICO         Section: 0.2         Or: 0X           Elevation: 20 ft         Symbol Type-POLICO         Mediain: M.         Or: 0X           Location: SOUTH OF LIBERAM: 0.1 TO 1.15 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILEROAD G         Location: SOUTH OF LIBERAM: 0.1 TO 1.15 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILEROAD G           Location: SOUTH OF LIBERAM: 0.1 TO 1.15 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILEROAD G         Location: Source Construct State Constend Construct Construct Construct Constate Constend					Record Last	Updated:	2002-08-07
LatiLong: 38.3240/ / 1/21/2014* Unit: Zovin 10 M20240 ED11707 Mapping PrecisionSPECIFIC Symbol Type-POLYGON Meridian: M Or: XX Symbol Type-POLYGON Meridian: M Or: XX	-	. ,					
UTH:       Cone-10 M220240 E811767       Rangei 02E       Gr: X X         Elevation:       20 11       Symbol Type/POLYGON       Meridian:       M         Location:       S01110 OF LIBFARM: 0.11 T0 1.15 MILES SW KING RD ALONG SE SIDE OF ABADONED SACRAMENTO NORTHERN ELECTRIC RALIE/ADA G       Location: CAUNG GRADE-SURROUNDING AREA JUSE         Location:       Datasitiantics       Maintainiantics       Maintainiantics       Meridian:       M         Ecological:       HABITAT CONSISTS OF 2 LONG, NARROW, SEASONALLY PONDED DITCHES IN A GRASSLAND ALONG GRADE-SURROUNDING AREA USE       CATTLE GRADE-SURROUNDING AREA USE       CATTLE GRADE-SURROUNDING AREA USE         CATTLE GRADE       CATTLE GRADE-SURROUNDING AREA USE       CATTLE GRADE-SURROUNDING AREA USE       CATTLE GRADE-SURROUNDING AREA USE         COCCURANCE NO.       33.3       Map Index:       49478       EO Index:       49478       Eotesta         Cocurrence No.       33.3       Map Index:       49478       EO Index:       49478       Eotesta       Eotesta       2002-0-06         Origin:       NaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence       SaturaNhalive occurrence							
Area:       Z.S. acros:       Mapping PrecisionSPECIFIC       Sertion:       0.2       Ocr: XX         Elevation:       SOII       Or 110 115 MUNBERS 47-06 AND 48-11.       Meridian::       M         Location:       SOUTH OF LIBFARM, 01 TO 115 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHEEN ELECTRIC RAILROAD G       Location: SOUTH OF LIBFARM, 01 TO 115 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHEEN ELECTRIC RAILROAD G         Location:       South Of Status       LOCATLE GRAZING. LINDERIELA OCCIDENTALIS, HVIA REGILLA AND CYZICUS CALIFORNICUS PRESENT IN VICINITY.         General:       UNNOOWN NUMBER 67 OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002         Owner/Manage:       UNNOOWN NUMBER 67 AGAND 48478       ED Index:       48478       Element::       2002-00-60         Origin:       Natural Native cocurrance       Site:       2002-00-60       Site:       2002-00-60         Origin:       Natural Native cocurrance       Site:       2002-00-60       Site:       2002-00-60         Oud Summary:       Site:       2002-00-60       Site:       2002-00-60       Site:       2002-00-60         Out Summary:       Site:       2002-00-60       Site:       2002-00-60       Site:       2002-00-60         Cound Summary:       Site:       2002-00-60       Site:       2002-00-60       Sit	-				•		
Location: SOUTH OF LIBFARM, 0.1 TO 1.15 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD G Location Detail: SITES NUMBERS 47-06 AND 49-11. Ecological: HABITAT CONSISTS OF 21.1006, NARROW, SEASONALLY PONDED DITCHES IN A GRASSLAND ALONG GRADE. SURROWNDING AREA USE CATTLE GRAZING, LINDERRIELIA OCCIDENTALIS, HYLA REGILLA AND CYZICUS CALIFORNICUS PRESENT IN VICINITY. General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002 Owner/Manage:: UNKNOWN Occurrence No. 333 Map Index: 48478 E0 Index: 48478 Mapping PrecisionSPECIFIC Oc Rank: Fair Oc Rank: Fair Occ Rank: Fair Occ Rank: Fair Occ Rank: Soci (3812146/4978) County Summary: Soci (3812146/4977), 38000 (3812146/4978) County Summary: Soci			Mapping Precisi	onSPECIFIC	-		Qtr: XX
Location Detail: SITES NUMBERS 47-06 AND 48-11. Leological: HABITAT CONSISTS OF 2 LONG, NARROW, SEASONALLY PONDED DITCHES IN A GRASSLAND ALONG GRADE. SURROUNDING AREA USE CATTLE GRAZING. LINGREILLA OCCIDENTALIS, HYLA REGILLA AND CY2ICUS CALFORNICUS PRESENT IN VICINITY. General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002 Ormer/Manager: UNKNOWN CCURTER NO. 333 Mup Index: 48478 E0 Index: 500 C0 CR 2000 E0 Index: 48478 E0 Index: 48478 E0 Index: 500 C0 E0 Index: 500 E0 INDEX E	Elevation:	20 ft	Symbol Typ	e:POLYGON	Meridian:	М	
Ecological: MARTAT CONSISTS OF 2 LONG, MARROW, GEAGOMULLY PONDED NOTHER IN A GRASEL SURROUNDING AREA USE         General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002         Owner/Manager: UNKNOWN         Occ Rank: Fair         Occ Rank: Fair         Distantial Stratulation of the contraction of	Location:	SOUTH OF LIBFARM; 0.1 TO 1.15 MILES	SW KING RD ALONG SE SIDE	OF ABANDONED SACRAM	IENTO NORTHE	RN ELECT	RIC RAILROAD GRA
CartLie GRAZING. LINDERIELLA COCIDENTALIS, MYLA REGILLA AND CYZICUS CALFORNICUS PRESENT IN VICINITY. General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002 Overer/Manager: UNKNOWN Occurrence No. 333 Map Index: 48478 E0 Index: 48478 E0 Index: 48478 E0 Index: 2002-04-02 Presence: Fresumed Extant Tend: Unknown Garca Rank: Garca Control Cont	Location Detail:	SITES NUMBERS 47-06 AND 48-11.					
Owner/Manager: UNKNOWN         Occurrence No. 333       Map Index: 48478       ED Index: 48478							NDING AREA USED I
Occurrence No. 333       Map Index: 48478       EO Index: 48478       — Dates Last Seen         Occ Rank: Fair       Element: 2002-02-06       Site: 2002-02-06         Origin: NaturalNative occurrence       Site: 2002-04-02         Presence: P	General:	UNKNOWN NUMBER OF INDIVIDUALS C	DBSERVED ON 24 JAN 2002 &	6, 7 & 21 FEB 2002			
Occ Rant: Fair       Element: 2002/02/06         Origin: NaturalNative occurrence       Site: 2002/04/02         Presence: Presumed Extant       Record Last Updated: 2002/06/07         Quad Summary: Saxon (3812/146/497B)       County Summary: Folo         County Summary: Yolo       Record Last Updated: 2002/06/07         UTM:       Zone-10 N425069/-1/21.67336*       Township: 07N         Arra: 20.9. acres       Mapping PrecisionSPECIFIC       Section: 17       Ctr: SW         Elevation: 15 ft       Symbol Type-POLYGON       Meridian: M       Ctr: SW         Location: 3 MILES NE OF YOLANC; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:       Location: 17       Ctr: SW         Eleologica: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COOK SE SIDE OF RAILROAD GRADE.       Ecologica: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COOK SE SIDE OF RAILROAD GRADE.       Ecologica: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATUJ         Genera: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.       Dottes Last Seen       Element: 2002/02-07         Origin: NaturalNative occurrence       Site: 2002/04-02       Record Last Updated: 2002/08-07       Grigin: NaturalNative occurrence       Site: 2002/04-02         Presence: Presumed Extant       Record Last Updated: 2002/08-07       Grigi	Owner/Manager:	UNKNOWN					
Occ Rank: Fair       Element:       2002-08.0         Presence:       Presence:       Site:       2002-04-02         Record Last Update:       2002-04-02       Record Last Update:       2002-08-07         Quad Summary:       Saxon (3812146/497B)       Record Last Update:       2002-08-07         Quad Summary:       Saxon (3812146/497B)       Township:       07N         County Summary:       Zone-10 N425069/-121.67336*       Range:       03E         UTTR:       Zone-10 N4250805 E615769       Range:       03E         Are:       20.3 acres       Mapping PrecisionSPECIFIC       Section:       17       Qrr: SW         Elevation:       15 ft       Symbol Type-POLYGON       Meridian:       M       Grr: SW         Ecologica:       HABITAT CONSISTS 0F 5 POLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATUL       TOPOCRAPHY IS MOSTLY ABSENT. LEPIDURUS PACKARD, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VI         Cocarine:       UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 2.3 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.       2002-04-02         Orgin:       NaturalNative occurrence       Site:       2002-04-02         Presence:       Feir       Range:       0.2       2002-04-02         Orgin:       Nat	Occurrence No.	333 Map Index: 48478	EO Index:	48478	_	Dates Las	st Seen
Presence: Presumed Extant Trent: Unknown Record Last Updated: 2002-08-07 Quad Summary: Saxon (3812146/497B) County Summary: Saxon (3812146/497B) County Summary: Solo Lat/Long: 38.445369 / 121.673369 Lat/Long: 38.445369 / 121.673369 Township: 07N Range: 03E Are: 20.9 acres Mapping PrecisionSPECIFIC Section: 17 Qrr: 3W Elevation: 15 ft Symbol Type#OLYOON Meridian: M Cocation: 3MILES NE OF VOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE Location: 3MILES NE OF VOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3MILES NE OF VOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3MILES NE OF VOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3MILES NE OF VOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3MILES NE OF SOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARLY AROUND DITCHES & THE EDGES OF BERMS. NATUI TOPOGRAPH VIS MOSTLY ABSENT LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VI General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE. Owner/Manager: DFG-VOLO BYPASS WA  Occurrence No. 340 Map Index: 48493 Doc Rain: Eair Occ Rain: Eair County Summary: Island (3812136/497C), Saxon (3812146/497B) County Summary: Solano LaturalNaitve occurrence Resumed Extant Record Last Updated: 2002-08-07 Origin: Rainra/Nitalve occurrence Resumed Extant Record Last Updated: 2002-08-07 County Summary: Solano LaturalNaitve occurrence Resumed Extant Record Last Updated: 2002-08-07 County Summary: Solano LaturalNaitve occurrence Resumed Extant Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Record Last Updated: 2002-08-07 Recor		•			I	Element:	2002-02-06
Trend:       Unknown       Record Last Updated:       2002-08-07         Quad Summary:       Saxon (3812146/497B)       County Summary:       Township:       07N         Lat/Long:       38,44530 <sup>6</sup> / 121.67336 <sup>6</sup> Township:       07N         UTM:       Zone-10 N4256063 E615769       Range:       03E         Area:       20.9 acres       Mapping PrecisionSPECIFIC       Section:       17       Qur: SW         Elevation:       15 ft       Symbol Type/POLYGON       Meridian:       M         Location:       3 MLES NE OF YOLANO; APPROX. 1 TO 1.2 MLES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:         Location:       13 MLES NE OF YOLANO; APPROX. 1 TO 1.2 MLES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:         Location:       13 MLES NE OF YOLANO; APPROX. 1 TO 1.2 MLES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:         Cocation:       13 MLES NE OF YOLANO; SPOROX.1 TO 1.2 MLES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:         Cocation:       10 MADISTLY ABSENT. LEPIDURUS PRACKARDI, BRANCHINECTA MESOVALENSIS & LINBERLIELA OCCIDENTALIS ALSO IN VI         General:       UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.         Overner/Manager:       DFG-YOLO BYPASS WA       Elewaton:       2002-04-02         P	-					Site:	2002-04-02
County Summary: Yolo       Lat/Long: 38.44536*/.121.67336*       Township: 07N       Range: 03E         Lat/Long: 38.44536*/.121.67336*       Range: 03E       Range: 03E         Lat/Long: 38.44536*/.121.67336*       Range: 03E       Section: 17       Qrr: 3W         Elevation: 15 ft       Symbol Type/POLYGON       Meridian: M       Qrr: 3W         Location: 30.ILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RALROAD GRADE FROM ROAD;       Location Detail:SITE NUMBERS 52-10; 5					Record Last	Updated:	2002-08-07
Lat/Long: 38.44536°/ -121.67336° Township: 07N UTM: Zone-10 N4256063 E615769 Area: 20.9 acres Mapping PrecisionSPECIFIC Section: 17 Qtr: 5W Elevation: 15 ft Symbol Type:POLYGON Meridian: M Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 0 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 0 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC CAILROAD GRADE FROM ROAD Location: 3 MILES NE OF YOLANO; APPROX. 1 LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCIDENTALIS ALSO IN VI General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE. Owner/Manager: DFG-YOLO BYPASS WA Occurrence No. 340 Map Index: 48493 EO Index: 48493 Dates Last Seen	Quad Summary:	Saxon (3812146/497B)					
UTM:       Zone-10 N4256063 E615769       Range:       03 E         Area:       203 acres       Mapping PrecisionSPECIFIC       Section:       17       Cur:       SW         Elevation:       15 ft       Symbol Type?OLYGON       Meridian:       M       M       Control of the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       To the section:       The total section:       To the	County Summary:	Yolo					
Area:       20.9 acres:       Mapping PrecisionsPECIFIC       Section:       17       Otr:       Otr:         Elevation:       15 ft       Symbol Type:POLYGON       Meridian:       M         Location:       3 MILES NE OF YOLANO; APPROX.       110 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD:         Location:       Detail:SITE NUMBERS 52-10F, 52-10F, 52-10;	Lat/Long:	38.44536º / -121.67336º			Township:	07N	
Elevation:       15 ft       Symbol Type:POLYGON       Meridian:       M         Location:       3 MILES NE OF YOLANO; APPROX.       1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD :       Location Detail: SITE NUMBERS 52:10F, 52:10E, 5			Monning Dresisi		-		Otre DIM
Location Detail: SITE NUMBERS 52-10F, 52-10E, 52-10E, 52-10E, 52-10C, SE SIDE OF RAILROAD GRADE. Ecological: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATURE TOPOGRAPHY IS MOSTLY ABSENT. LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VI General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE. Owner/Manager: DFG-YOLO BYPASS WA Occurrence No. 340 Map Index: 48493 EO Index: 48493 — Dates Last Seen Occ Rank: Fair Occ Rank: Fair Occ Rank: Fair Cord Last Unkinown Record Last Updated: 2002-04-02 Presence: Presumed Extant Trend: Unknown Record Last Updated: 2002-04-02 Presence: Presumed Extant Trend: Unknown Record Last Updated: 2002-08-07 Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B) County Summary: Solano Lat/Long: 38.376177 /-121.73554° Township: 06N UTM: Zone-10 N4248310 E610448 Range: 02E Area: 26.6 acres Mapping PrecisionSPECIFIC Section: 10 Qtr: SE Elevation: 20 ft Symbol Type-POLYGON Meridian: M Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD. Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.							QU. 5W
Ecological: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATURE TOPOGRAPHY IS MOSTLY ABSENT. LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VI         General:       UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.         Owner/Manager:       DFG-YOLO BYPASS WA         Occurrence No. 340       Map Index: 48493       EO Index: 48493       — Dates Last Seen —         Coc Rank:       Fair       Element: 2002-02-07         Oragin:       Natural/Native occurrence       Site: 2002-04-02         Presence:       Presumed Extant       Site: 2002-04-02         Trend:       Unknown       Record Last Updated: 2002-06-07         Quad Summary:       Liberty Island (3812136/497C), Saxon (3812146/497B)       Record Last Updated: 2002-08-07         Quad Summary:       Silano       Image: 02E       Range: 02E         Lat/Long:       38.3761°/-121.73554°       Township: 06N       Range: 02E         Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section: 10       Qtr: 3E         Elevation:       20 ft       Symbol Type:POLYGON       Meridian: M         Location:       20 ft       Symbol Type:POLYGON       Meridian: M         Location:       20 ft       Symbol Type:POL	Location:		) 1.2 MILES SW ALONG THE S	ACRAMENTO NORTHERN	ELECTRIC RAILF	ROAD GRA	DE FROM ROAD 38
TOPOGRAPHY IS MOSTLY ABSENT. LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VI         General:       UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.         Owner/Manager:       DFG-YOLO BYPASS WA         Occurrence No. 340       Map Index: 48493       E0 Index: 48493       — Dates Last Seen — Element: 2002-02-07         Origin:       Natural/Native occurrence       Site: 2002-04-02         Presence:       Presence:       Site: 2002-04-02         Presence:       Presence:       Site: 2002-04-02         Quad Summary:       Liberty Island (3812136/497C), Saxon (3812146/497B)       Record Last Updated: 2002-08-07         Quad Summary:       Liberty Island (3812136/497C), Saxon (3812146/497B)       Range: 02E         County Summary:       Sa;37617° / -121,73554°       Township: 06N         Lut/Long:       38.37617° / -121,73554°       Range: 02E         Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section: 10       Qtr: SE         Elevation:       20 It       Symbol Type:POLYGON       Meridian: M          Location:       20 It.ES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.       RalkROAD G	Location Detail:	SITE NUMBERS 52-10F, 52-10E, 52-10, 5	2-10B AND 52-10C; SE SIDE C	F RAILROAD GRADE.			
CATTLE. Owner/Manager: DFG-YOLO BYPASS WA  Occurrence No. 340 Map Index: 48493 EO Index: 48493 — Dates Last Seen — Occ Rank: Fair 2002-02-07 Origin: Natural/Native occurrence Itement: 2002-04-02 Presence: Presumed Extant Itement: 2002-04-02 Presence: Presumed Extant 2002-08-07  Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B) County Summary: Solano  Lat/Long: 38.37617° / -121.73554° Lat/Long: 3							
Occurrence No. 340       Map Index: 48493       EO Index: 48493       — Dates Last Seen         Occ Rank: Fair       Element: 2002-02-07         Origin: Natural/Native occurrence       Site: 2002-04-02         Presence: Presumed Extant       Record Last Updated: 2002-08-07         Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)       Record Last Updated: 2002-08-07         Quad Summary: Solano       Iterty Island (3812136/497C), Saxon (3812146/497B)         County Summary: Solano       Range: 02E         Lat/Long: 38.37617º / -121.73554°       Range: 02E         Area: 26.6 acres       Mapping PrecisionSPECIFIC         Section: 10       Qtr: 3E         Elevation: 20 ft       Symbol Type:POLYGON         Meridian: M       Location: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location 2 MILES SW OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.			DBSERVED ON 11 & 23 JAN 20	02 AND 5 & 6 FEB 2002. SU	IRROUNDING LA	ND IS USE	D FOR GRAZING
Occ Rank: Fair       Element: 2002-02-07         Origin: Natural/Native occurrence       Site: 2002-04-02         Presence: Presumed Extant       Record Last Updated: 2002-08-07         Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)       Record Last Updated: 2002-08-07         Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)       Record Last Updated: 2002-08-07         Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)       Second Last Updated: 2002-08-07         Quad Summary: Solano       UTM: 20ne-10 N42248310 E610448       Range: 06N         MUTM: Zone-10 N42248310 E610448       Range: 02E       Section: 10       Qtr: SE         Area: 26.6 acres       Mapping PrecisionSPECIFIC       Section: 10       Qtr: SE         Elevation: 20 ft       Symbol Type:POLYGON       Meridian: M       Meridian: M         Cocation: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail:SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADEINT, OTHERS IN BORNOW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROA	Owner/Manager:	DFG-YOLO BYPASS WA					
Origin: Natural/Native occurrence       Site: 2002-04-02         Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Liberty Island (3812136/497C), Saxon (3812146/497B)         County Summary:       Solano         Lat/Long:       38.37617° / -121.73554°         Lat/Long:       38.37617° / -121.73554°         Lat/Long:       26.6 acres         Mapping PrecisionSPECIFIC       Section:         Area:       26.6 acres         Mapping PrecisionSPECIFIC       Section:         Symbol Type:POLYGON       Meridian:         M       Meridian:         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.		•	EO Index:	48493			
Presence:       Presumed Extant Trend:       Unknown       Record Last Updated:       2002-08-07         Quad Summary:       Liberty Island (3812136/497C), Saxon (3812146/497B)       External County Summary:       Solano         Lat/Long:       38.37617° / -121.73554°       Township:       06N         UTM:       Zone-10 N4248310 E610448       Range:       02E         Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section:       10       Qtr: SE         Elevation:       20 ft       Symbol Type:POLYGON       Meridian:       M         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail:SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.							
County Summary: Solano         Lat/Long: 38.37617°/-121.73554°       Township: 06N         UTM: Zone-10 N4248310 E610448       Range: 02E         Area: 26.6 acres       Mapping PrecisionSPECIFIC       Section: 10       Qtr: 5E         Elevation: 20 ft       Symbol Type:POLYGON       Meridian: M         Location: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.	Presence:	Presumed Extant			Record Last	Updated:	2002-08-07
Lat/Long:       38.37617° / -121.73554°       Township:       06N         UTM:       Zone-10 N4248310 E610448       Range:       02E         Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section:       10       Qtr: SE         Elevation:       20 ft       Symbol Type:POLYGON       Meridian:       M         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location Detail:       SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.	Quad Summary:	Liberty Island (3812136/497C), Saxon (381	I2146/497B)				
UTM:       Zone-10 N4248310 E610448       Range:       02E         Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section:       10       Qtr: SE         Elevation:       20 ft       Symbol Type:POLYGON       Meridian:       M         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.	County Summary:	Solano					
Area:       26.6 acres       Mapping PrecisionSPECIFIC       Section:       10       Qtr: SE         Elevation:       20 ft       Symbol Type:POLYGON       Meridian:       M         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.       Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.	-				•		
Elevation:       20 ft       Symbol Type:POLYGON       Meridian:       M         Location:       2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.         Location Detail:       Sitte NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.         Ecological:       HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.			Mapping Precisi	onSPECIFIC	-		Qtr: SE
Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD. Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.							
Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.		2 MILES SW OF LIBFARM; 1.9 TO 2.45 M	ILES SW FROM KING ROAD A	LONG THE SACRAMENTO	NORTHERN ELE	CTRIC RA	ILROAD GRADE.
RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.	Location:		06 AND 46-07; BETWEEN DELI	II ROAD AND ETZEL ROAD			
THERE THE ATE CONSISTS OF CRAZING OF SHEED ALONG RAIL ROAD OR ADE AND RECEIVES OF CRAVE OF		SITE NUMBERS 45-05, 45-13, 46-04, 46-0					
Threat: THREATS CONSISTS OF GRAZING OF SHEEP ALONG RAILROAD GRADE AND PRESENCE OF CRAYFISH.	Location Detail: Ecological: I	HABITAT CONSISTS OF 5 SEASONALLY RAILROAD GRADE. RAILROAD CORRIDO					

vernal pool fairy shrimp State	us ———	NDDB Element Ranks	Element Code: ICBRA03030 Other Lists	
Federal: Threater State: None	ned	Global: G3 State: S2S3	CDFG Sta	tus:
	ssociations ————————————————————————————————————	AL VALLEY, CENTRAL COAST MT	NS, AND SOUTH COAST MTNS, IN AS	TATIC RAIN-FILLED POOL
Micro: INHABI	T SMALL, CLEAR-WATER SANDSTONE-DE	EPRESSION POOLS AND GRASSE	D SWALE, EARTH SLUMP, OR BASAL	F-FLOW DEPRESSION PO
Occurrence No.		EO Index: 5451	6 —	Dates Last Seen
Occ Rank:	Excellent Natural/Native occurrence			Element: 1999-03-02 Site: 1999-03-02
-	Presumed Extant			
Trend:	Unknown		Record Las	t Updated: 2007-07-31
	: Dozier (3812137/498D)			
County Summary				
-	38.29338° / -121.84931° Zone-10 N4238994 E600625		Township: Range:	
	80 meters	Mapping PrecisionSP	-	
Elevation:	: 30 ft	Symbol Type:PC	INT Meridian:	Μ
	: 2 MILES SW OF THE INTERSECTION OF			
Ecological	I: HABITAT CONSISTS OF A RELATIVELY L SOILS; DOMINATED BY PLEUROPOGON SECTION 10			
General:	A FEW REPRODUCTIVE ADULTS NETTE	D ON 2 MAR 1999.		
Owner/Manager	: PVT-BURKE RANCH			
Occurrence No.	. 357 Map Index: 54517	EO Index: 5451	7	Dates Last Seen
Occ Rank:				Element: 1999-03-02
-	: Natural/Native occurrence : Presumed Extant			Site: 1999-03-02
	Unknown		Record Las	t Updated: 2007-07-31
Quad Summary:	: Dozier (3812137/498D)			
County Summary	: Solano			
	38.30077°/-121.85071°		Township:	
	Zone-10 N4239812 E600492 80 meters	Mapping PrecisionSP	ECIFIC Section:	
Elevation:		Symbol Type:PC		
Location	: 1.8 MILES WSW OF THE INTERSECTION	OF HAY ROAD AND HIGHWAY 11	3, SOUTH OF DIXON	
Ecological	: HABITAT CONSISTS OF A RELATIVELY L SOILS; DOMINATED BY PLEUROPOGON 10.			
General:	AN ABUNDANT NUMBER OF REPRODUC	TIVE ADULTS NETTED ON 2 MAR	1999.	
Owner/Manager	: PVT-BURKE RANCH			
Occurrence No.	. 358 Map Index: 54518	EO Index: 5451	8	Dates Last Seen
Occ Rank:				Element: 1999-03-02
-	Natural/Native occurrence			Site: 1999-03-02
	Unknown		Record Las	t Updated: 2007-07-31
Quad Summary:	: Dozier (3812137/498D)			
County Summary	: Solano			
	38.30364º / -121.84948º		Township:	
	Zone-10 N4240132 E600595 80 meters	Manning Procision	Range:	
Elevation:		Mapping PrecisionSP Symbol Type:PC		
1	: 1.6 MILES WSW OF THE INTERSECTION	OF HAY ROAD AND HIGHWAY 11	3, SOUTH OF DIXON	
Location			OOL ON ANTIOCH-SAN YSIDRO COM	PLEX OR SAN YSIDRO CO
	: HABITAT CONSISTS OF A RELATIVELY L SOILS; DOMINATED BY PLEUROPOGON 10.			

vernal pool fairy shrimp		NDDB Element Ranks	Element Code: ICBRA03030 Other Lists	
Federal: Threate State: None		Global: G3 State: S2S3	CDFG Status:	
Habitat As	ssociations —			
			S, AND SOUTH COAST MTNS, IN ASTATIC RAIN-	
Micro: INHABI	SMALL, CLEAR-WATER SANDSTONE-DE	PRESSION POOLS AND GRASSED	SWALE, EARTH SLUMP, OR BASALT-FLOW DEF	PRESSION POOL
Occurrence No	. 385 Map Index: 61662	EO Index: 61698	Dates Last	Seen
Occ Rank:			Element:	2002-02-15
-	Natural/Native occurrence		Site:	2002-02-15
	Presumed Extant Unknown		Record Last Updated:	2006-03-08
Trena:	Unknown		Record Last opulled.	2000 00 00
	: Denverton (3812128/481B)			
County Summary	: Solano			
-	38.24794° / -121.90775°		Township: 05N	
	Zone-10 N4233889 E595573 1/10 mile	Manning ProvisionNON	I-SPECIFIC Section: 30	Qtr: XX
Elevation		Mapping PrecisionNON Symbol Type:POIN		Qtr: AA
	: ABOUT 5.5 MILES SOUTHWEST OF DOZI			
Location Detai	EVERNAL POOL #20; "SMALL POOL TO WE	EST OF LARGE #31 POOL."		
Ecological	: VERNAL POOL.			
General	NUMBER OF INDIVIDUALS NOT RECORD	ED. POOL #31 NOT SHOWN ON SO	URCE MAP.	
Owner/Manager	: UNKNOWN			
Occurrence No	. 398 Map Index: 64296	EO Index: 64375	Dates Last	
Occ Rank:			Element:	
-	Natural/Native occurrence Presumed Extant		Site:	2005-02-03
	Unknown		Record Last Updated:	2006-03-20
0	Electre (0040400(4000)			
County Summary	: Elmira (3812138/498C)			
-	38.27317° / -121.91232° Zone-10 N4236684 E595141		Township: 05N Range: 01E	
	80 meters	Mapping PrecisionSPE	÷	Qtr: XX
Elevation	60 ft	Symbol Type:POIN		
Location	AT THE END OF MERIDIAN ROAD. ON TH	E EAST SIDE. SOUTH OF PERIMET	ER ROAD. ONE MILE EAST OF TRAVIS FIELD.	
			ER. POOL IN ANNUAL GRASSLAND NEAR RUN	MAY
_				
General	NOTED.	OSITED IN LACM. GRASSLAND ARI	EA IS MOWED, BUT NO VISIBLE DISTURBANCE	TO VERNAL PO
Owner/Manager	: DOD-TRAVIS AFB			
Occurrence No	. 399 Map Index: 64297	EO Index: 64376	Dates Last	Seen
Occ Rank:	Good		Element:	
-	Natural/Native occurrence		Site:	2005-02-02
Proconco.	Presumed Extant Unknown		Record Last Updated:	2006-03-20
			-	
Trend:	: Elmira (3812138/498C)			
Trend: Quad Summary	, ,			
Trend: Quad Summary County Summary	: Solano			
Trend: Quad Summary County Summary Lat/Long:	: Solano : 38.26211º / -121.96138º		Township: 05N	
Trend: Quad Summary County Summary Lat/Long: UTM:	: Solano 38.26211º / -121.96138º Zone-10 N4235407 E590863	Manning ProcisionNON	Range: 01W	Otr- XY
Trend: Quad Summary County Summary Lat/Long: UTM:	: Solano 38.26211º / -121.96138º Zone-10 N4235407 E590863 2/5 mile	Mapping PrecisionNON Symbol Type:POIN	Range: 01W I-SPECIFIC Section: 22	Qtr: XX
Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: Solano 38.26211º / -121.96138º Zone-10 N4235407 E590863 2/5 mile 75 ft		Range: 01W I-SPECIFIC Section: 22	Qtr: XX
Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano : 38.26211º / -121.96138º Zone-10 N4235407 E590863 2/5 mile : 75 ft : ABOUT 0.5 MILE WEST OF TRAVIS AFB.	Symbol Type:POIN	Range:     01W       I-SPECIFIC     Section:     22       NT     Meridian:     M	Qtr: XX
Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Location Detai	: Solano : 38.26211° / -121.96138° Zone-10 N4235407 E590863 2/5 mile : 75 ft : ABOUT 0.5 MILE WEST OF TRAVIS AFB. I: 1.25 MILES EAST OF WALTERS ROAD AM	Symbol Type:POIN	Range:     01W       I-SPECIFIC     Section:     22       NT     Meridian:     M       PARKWAY.	
Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Location Detai	: Solano : 38.26211° / -121.96138° Zone-10 N4235407 E590863 2/5 mile : 75 ft : ABOUT 0.5 MILE WEST OF TRAVIS AFB. I: 1.25 MILES EAST OF WALTERS ROAD AM	Symbol Type:POIN	Range:     01W       I-SPECIFIC     Section:     22       NT     Meridian:     M	

vernal pool fairy shrimp			Element	Code: ICBRA03030	
Status		NDDB Element Ranks		Other Lists	
Federal: Threatened		Global: G3		CDFG Status:	
State: None		State: S2S3			
Habitat Associations —					
General: ENDEMIC TO THE GR	ASSLANDS OF THE	CENTRAL VALLEY, CENTRAL CO	DAST MTNS, AND SOUTH	COAST MTNS, IN ASTATIC I	RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEA	R-WATER SANDST	ONE-DEPRESSION POOLS AND	GRASSED SWALE, EARTI	H SLUMP, OR BASALT-FLOV	DEPRESSION POO
Occurrence No. 409	Map Index: 64	320 EO Inde	ex: 64398	Dates	Last Seen
Occ Rank: Fair				Eleme	nt: 2004-12-29
Origin: Natural/Native	occurrence			Sit	e: 2004-12-29
Presence: Presumed Ext	ant			Descend Lass Under	- 1. 0000 00 00
Trend: Unknown				Record Last Updat	ed: 2006-06-20
Quad Summary: Elmira (38121	38/498C)				
County Summary: Solano					
Lat/Long: 38.28534º / -1	21.91660°			Township: 05N	
UTM: Zone-10 N423	8030 E594751			Range: 01W	
Area: 9.1 acres			cisionSPECIFIC	Section: 13	Qtr: NE
Elevation: 60 ft		Symbol	Type:POLYGON	Meridian: M	
Location: TRAVIS AFB,	AT INTERSECTION	OF MERIDIAN ROAD AND RAILR	OAD TRACKS, AND IN PO	OL SW OF INTERSECTION.	
Ecological: PONDED ARE POOL HABITA		GHT-OF-WAY, SHALLOW TURBID	POOL, UNVEGETATED. S	SURROUNDING AREA IS AN	NUAL GRASSLAND/V
		RAZING, DEVELOPMENT.			
Inreat: OFF-ROAD VI	LINCLE ACTIVITI, C	TRAZINO, DEVELOT MENT.			

Owner/Manager: PVT

midvalley fairy shrimp	IS	NDDB Element Ranks	Element Code: ICBRA03150  Other Lists
Federal: None State: None		Global: G2 State: S2	CDFG Status:
Habitat As General: VERNAL Micro:	SociationS — POOLS IN THE CENTRAL VALLEY.		
Occurrence No. Occ Rank:	Unknown	EO Index: 48246	Dates Last Seen Element: 1991-04-03 Site: 1991-04-03
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last Updated: 2002-07-15
Quad Summary: County Summary:	Birds Landing (3812127/481A) : Solano		
-	38.23537° / -121.85192° Zone-10 N4232553 E600476	Mapping PrecisionNON-SPE Symbol Type:POLYGON	
Location:		REED ROAD, 2-3 MILES WEST OF HWY 113	
Ecological	VERNAL POOLS DENTON BELK COLLECTION # 1001 &	1002 COLLECTED BY J. GEOFF MONK 3 AP	R 1991.
Occurrence No.		EO Index: 48327	Dates Last Seen
Occ Rank: Origin:	•		Element: 1999-03-05 Site: 1999-03-05
	Unknown		Record Last Updated: 2007-07-31
Quad Summary: County Summary:	Dozier (3812137/498D) Solano		
-	38.28160° / -121.82820° Zone-10 N4237709 E602487 15 ft	Mapping PrecisionNON-SPE( Symbol Type:POLYGON	
Location:	CAMPBELL RANCH; 1.2 MILES WSW O	F DOZIER.	
Ecological	VERNAL POOLS	ATED AS CAMPBELL RANCH, SECTION 14.	IVIDUALS COLLECTED BY R. PRESTON. 9 MALES AND 9
Owner/Manager:	FEMALES CAPTURED ON 5 MAR 1999.		
Presence:	Unknown Natural/Native occurrence Presumed Extant	EO Index: 48328	Dates Last Seen Element: 1994-02-21 Site: 1994-02-21
	Unknown Dozier (3812137/498D)		Record Last Updated: 2002-07-22
Lat/Long: UTM:	38.35901º / -121.83011º Zone-10 N4246296 E602212 2/5 mile	Mapping PrecisionNON-SPE0 Symbol Type:POINT	Township:       06N         Range:       01E         CIFIC       Section:       14       Qtr: SE         Meridian:       M
	6 MILES SOUTH OF DIXON, WEST OF	HWY 113.	
	: VERNAL POOL		

midvalley fairy shrimp			ode: ICBRA03150
Federal: None State: None	JS	NDDB Element Ranks Global: G2 State: S2	Other Lists     CDFG Status:
	ssociations —		
	L POOLS IN THE CENTRAL VALLEY.		
Micro:			
Occurrence No	. 34 Map Index: 48330	EO Index: 48330	Dates Last Seen
Occ Rank:	Unknown Natural/Native occurrence		Element: 1993-02-04 Site: 1993-02-04
Presence:	Presumed Extant Unknown		Record Last Updated: 2002-07-22
Quad Summary	: Dozier (3812137/498D)		
County Summary	: Solano		
-	: 38.31455º / -121.85117º Zone-10 N4241340 E600433		Township: 05N Range: 01E
Radius: Elevation	1/10 mile : 40 ft	Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Section: 03 Qtr: XX Meridian: M
Location	: INTERSECTION OF HAY ROAD AND BUF	RKE ROAD. 1.5 MILES WEST OF HWY 113. ABOUT 3.8	85 MILES SE OF ELMIRA
Location Detai		RNER OF HAY RD & BURKE RD, ELMIRA, SOLANO C INFORMATION. MAPPED TO INCLUDE AREA SW & S	
Ecological			
		N # 1297; UNKNOWN NUMBER OF INDIVIDUALS COL	LECTED BY DAVID MUTH.
Owner/Manager	: UNKNOWN		
Occurrence No	. 47 Map Index: 48373	EO Index: 48373	Dates Last Seen
Occ Rank:			Element: XXXX-XX-XX Site: XXXX-XX-XX
-	Natural/Native occurrence		Site: ^^^^
Trend:	Unknown		Record Last Updated: 2002-07-25
Quad Summary County Summary	: Birds Landing (3812127/481A) : Solano		
-	38.15318º/-121.85475º		Township: 04N
	Zone-10 N4223430 E600341 1/10 mile	Mapping PrecisionNON-SPECIFIC	Range: 01E Section: 34 Qtr: NW
Elevation		Symbol Type:POINT	Meridian: M
Location	: 1.7 MILES NE OF BIRDS LANDING ON O	LSEN ROAD. JUST SOUTH OF OLSEN RD AND HOPK	KINS RAVINE.
General	UNKNOWN NUMBER OF INDIVIDUALS C	BSERVED/COLLECTED AT SITE #007 ON AN UNKNC	OWN DATE. LOCATION INFORMATION OBTAINED
	FROM VARIOUS SOURCES.		
Owner/Manager	: UNKNOWN		
Owner/Manager Occurrence No	. 50 Map Index: 48377	EO Index: 48377	Dates Last Seen
Owner/Manager Occurrence No Occ Rank:	. 50 Map Index: 48377 Unknown	EO Index: 48377	Dates Last Seen     Element: XXXX-XX-XX     Site: XXXX-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin:	. 50 Map Index: 48377	EO Index: 48377	Element: XXXX-XX-XX Site: XXXX-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence:	. 50 Map Index: 48377 Unknown Natural/Native occurrence	EO Index: 48377	Element: XXXX-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	. 50 Map Index: 48377 Unknown Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	EO Index: 48377	Element: XXXX-XX-XX Site: XXXX-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	. 50 Map Index: 48377 Unknown Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	EO Index: 48377	Element: XXXX-XX-XX Site: XXXX-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	. 50 Map Index: 48377 Unknown Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.28271° / -121.83692°	EO Index: 48377	Element: XXXX-XX-XX Site: XXXX-XX-XX Record Last Updated: 2002-07-26 Township: 05N
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	. 50 Map Index: 48377 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.28271°/ -121.83692° Zone-10 N4237823 E601723		Element: XXXX-XX-XX Site: XXXX-XX-XX Record Last Updated: 2002-07-26 Township: 05N Range: 01E
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	. 50 Map Index: 48377 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.28271° / -121.83692° Zone-10 N4237823 E601723 27.6 acres	EO Index: 48377 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: XXXX-XX-XX Site: XXXX-XX-XX Record Last Updated: 2002-07-26 Township: 05N
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>50 Map Index: 48377</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.28271°/ -121.83692°</li> <li>Zone-10 N4237823 E601723 27.6 acres</li> <li>20 ft</li> </ul>	Mapping PrecisionSPECIFIC	Element: XXXX-XX-XX Site: XXXX-XX-XX Record Last Updated: 2002-07-26 Township: 05N Range: 01E Section: 14 Qtr: WW Meridian: M

Branchinecta mesova	Illensis		
midvalley fairy shrimp		Element	Code: ICBRA03150
State	us ————	NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G2 State: S2	CDFG Status:
Habitat As	ssociations —		
	L POOLS IN THE CENTRAL VALLEY.		
Micro:			
Occurrence No.	. 51 Map Index: 48378	EO Index: 48378	Dates Last Seen
Occ Rank:			Element: XXXX-XX-XX
-	Natural/Native occurrence Presumed Extant		Site: XXXX-XX-XX
	Unknown		Record Last Updated: 2002-07-26
Quad Summary:	: Dozier (3812137/498D)		
County Summary	: Solano		
	38.26381º / -121.82311º		Township: 05N
	Zone-10 N4235740 E602958	Monning ProvinienSDE CIEIC	Range: 01E
Elevation:	80 meters 15 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 24 Qtr: NW Meridian: M
Location	: 1.5 MILES SOUTH OF DOZIER; APPROXI	MATELY 200 FT EAST OF UNIMPROVED ROAD.	
General:	UNKNOWN NUMBER OF INDIVIDUALS OF FROM VARIOUS SOURCES.	BSERVED/COLLECTED AT SITE #028 ON AN UNKN	IOWN DATE. LOCATION INFORMATION OBTAINED
Owner/Manager			
Occurrence No.	. 52 Map Index: 48423	EO Index: 48423	Dates Last Seen
Occ Rank:			Element: 2002-01-11
	Natural/Native occurrence		Site: 2002-04-01
	Presumed Extant		Pocord Last Undated: 2002.08-01
Trend:	Unknown		Record Last Updated: 2002-08-01
Quad Summary:	Elmira (3812138/498C), Dozier (3812137/49	98D)	
County Summary	: Solano		
Lat/Long:	38.31512º / -121.87625º		Township: 05N
	Zone-10 N4241376 E598239		Range: 01E
Radius: Elevation:	80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 04 Qtr: NW Meridian: M
		S EAST ON HAY ROAD (SOUTH SIDE) FROM MER	IDIAN ROAD, 1900 FT WEST OF DULLY ROAD.
Location Detail			
Ecological		ORT-LIVED VERNAL POOL IN A GRASSLAND GRA E CONTIGUOUS WITH VERNAL POOL HABITAT TO	ZED BY CATTLE. POOL IS ON NORTH EDGE OF A SOUTH & SOUTHEAST. BRANCHINECTA LYNCHI IN
Threat:	THREATS CONSIST OF THE FUTURE WI	DENING OF HAY ROAD (ALTHOUGH NOT CURREN	ITLY PROPOSED).
	UNKNOWN NUMBER OBSERVED ON 11	JAN 2002. UNKNOWN NUMBER COLLECTED BUT N	,
	SCIENCES.		
Owner/Manager	: PVT		
Occurrence No.	. 53 Map Index: 48498	EO Index: 48498	Dates Last Seen
Occurrence No. Occ Rank:	•	LU HIGK. 40430	Element: 2002-02-06
	Natural/Native occurrence		Site: 2002-02-06
	Presumed Extant		Record Last Updated: 2002-08-08
Irend:	Unknown		Necola Last opulated. 2002-00-00
Quad Summary:	: Saxon (3812146/497B)		
County Summary	: Yolo		
Lat/Long:	38.44605º / -121.67314º		Township: 07N
	Zone-10 N4256140 E615787		Range: 03E
Area: Elevation:	27.5 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 17 Qtr: SE Meridian: M
		S SW ALONG THE NORTHERN ELECTRIC RAILROA	
		2-10G, 52-10H AND 52-24; EAST SIDE OF RAILROAI	
Ecological		RT-LIVED POOLS IN A CATTLE GRAZED GRASSLAN DGRAPHY MAINLY ABSENT. BRANCHINECTA LYNG	
General:	UNKNOWN NUMBER OF INDIVIDUALS O	BSERVED ON 11, 23 JAN 2002 AND 6 FEB 2002.	
Owner/Manager			

midvalley fairy shrimp State Federal: None State: None	is		Element Code: I	ICBRA03150 Other Lists - CDFG Status	s:	
		,				
Micro:	POOLS IN THE CENTRAL VALLEY					
Occurrence No.	58 Map Index: 51	552 EO Index:	51552	— c	Dates Last	Seen ———
Occ Rank:				EI		2003-01-XX
•	Natural/Native occurrence Presumed Extant				Site:	2003-01-XX
	Unknown			Record Last U	Ipdated:	2003-06-16
Quad Summary:	Saxon (3812146/497B)					
County Summary	Yolo					
Lat/Long:	38.45404º / -121.66678º			Township: (	07N	
UTM:	Zone-10 N4257035 E616330			Range: (	03E	
Radius: Elevation:	80 meters 15 ft	Mapping Preci Symbol T	sionSPECIFIC /pe:POINT	Section: Meridian:		Qtr: NW
Location	JUST NW OF THE OLD SACRAME	NTO NORTHERN RAILROAD.				
Location Detail	POOLS FILLED WITH WATER DUF	RING THE HEAVY RAINS OF DECE	MBER 2002 AND WERE DRY B	Y MID-FEBRUAR	Y	
Ecological	HABITAT CONSISTS OF TWO SHA #52-06A; LINDERIELLA AND BRAN			CYZICUS CALIFO	ORNICUS	FOUND IN POOL
General:	FEW INDIVIDUALS OBSERVED IN	JAN 2003.				

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erruginous hawk			Element Code: ABNKC19120	
Status		NDDB Element Ranks	Other Lists	
Federal: None		Global: G4	CDFG Status:	
State: None		State: S3S4		
Habitat Associations				
General: OPEN GRASSLAND	S, SAGEBRUSH FLAT	TS, DESERT SCRUB, LOW FOOTHILLS & FF	RINGES OF PINYON-JUNIPER HABITATS.	
Micro: EATS MOSTLY LAG	OMORPHS, GROUND	SQUIRRELS, AND MICE. POPULATION TR	ENDS MAY FOLLOW LAGOMORPH POPULATION	ON CYCLES.
Occurrence No. 22	Map Index: 6	6013 EO Index: 66092		.ast Seen
Occ Rank: Excellent			Element: Site:	: 1996-01-26 1996-01-26
Origin: Natural/Nat Presence: Presumed I			Site:	1996-01-26
Trend: Unknown	Extant		Record Last Updated	d: 2006-08-23
Trend. Onknown				
Quad Summary: Denverton	(3812128/481B)			
County Summary: Solano				
Lat/Long: 38.20631°	/ -121.98320º		Township: 04N	
UTM: Zone-10 N4	4229194 E589022		Range: 01W	
Radius: 80 meters		Mapping PrecisionSPI	ECIFIC Section: 09	Qtr: SW
Elevation: 100 ft		Symbol Type:PO	DINT Meridian: M	
	OF SUISIN CITY, 2 MI	ESE OF SUISIN HILL, POTRERO HILLS.		
Location: 3.8 MI SE C	,			
		SCATTERED GROVES OF EUCALYPTUS.	SUISIN MARSH WETLANDS NEARBY.	

Swainson's hawk State	us	- NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater		Global: G5 State: S2	CDFG State	JS:
Habitat As	ssociations ————————————————————————————————————			
	RES ADJACENT SUITABLE FORAGING AF			
Occurrence No.	. 121 Map Index: 10966	EO Index: 2718	-	Dates Last Seen
Occ Rank:	Unknown Natural/Native occurrence		E	Element: 1984-06-26 Site: 1984-06-26
	Presumed Extant			
Trend:	Unknown		Record Last	Updated: 1989-08-10
Quad Summary:	: Isleton (3812125/480A), Rio Vista (381212	26/480B)		
County Summary	: Solano, Sacramento			
-	38.19463°/-121.61468° Zono 10 N4228217 E621208		Township:	
Radius:	Zone-10 N4228317 E621308 1 mile	Mapping PrecisionNC	N-SPECIFIC Section:	
Elevation:	: 5 ft	Symbol Type:PO	INT Meridian:	Μ
Location	: 1 MILE SOUTH OF WALKER LANDING, (	ON GRAND ISLAND ROAD, EAST OF	STEAMBOAT SLOUGH	
Ecological	HABITAT CONSISTS OF GOOD RIPARIA	۸N.		
General:	: DFG SWHA #SA020. OBSERVED FROM	2 DIFFERENT LOCATIONS W/IN TH	IS AREA. NEST FOUND IN 1983. 1 ADU	LT OBS PERCHING 1984.
Owner/Manager	: PVT			
Occurrence No.	. 311 Map Index: 21029	EO Index: 9168		Dates Last Seen
Occ Rank:	•			Element: 2005-07-29
Origin:	Natural/Native occurrence			Site: 2005-07-29
	Presumed Extant Unknown		Record Last	Updated: 2007-07-03
-	: Saxon (3812146/497B)			
County Summary				
-	38.45660° / -121.74697° Zone-10 N4257221 E609328		Township: Range:	
	7.0 acres	Mapping PrecisionSP	-	
Elevation:	: 40 ft	Symbol Type:PO	LYGON Meridian:	Μ
Location	2.75 MILES NORTH OF MIDWAY ROAD,	8 MILES EAST OF DIXON.		
Location Detail	I: 1992, 2000, AND 2001 FINAL NEST WER LOCATED IN A LARGE LOCUST IN THE		EE ADJACENT TO A RURAL FARM HO	JSE. 2002, 2004, AND 2005
Ecological	NEST TREE IS A LOCUST; SURROUND	NG FORAGING HABITAT CONSISTS	S OF CULTIVATED LAND IN ALL DIREC	TIONS.
General:	NEST-BUILDING 7 APR 1992. ADULTS F			OBSERVED 9 MAY 2002. I
_	DOWNY CHICK FOUND UNDER NEST 1	3 JUL 2004. NEST MONITORED 23 A	APR-29 JUL 2005; 2 FLEDGED.	
Owner/Manager	: PVT			
Occurrence No.	. 314 Map Index: 21026	EO Index: 1001		Dates Last Seen
Occ Rank:			E	Element: 1990-XX-XX Site: 1992-04-07
•	: Natural/Native occurrence : Presumed Extant			JILE. 1992-04-07
	Decreasing		Record Last	Updated: 2001-03-28
Quad Summary	: Dixon (3812147/498A)			
County Summary	: Solano			
Lat/Long:	: 38.43847º / -121.75959º		Township:	07N
UTM:	Zone-10 N4255194 E608255		Range:	02E
	80 meters ± 45 ft	Mapping PrecisionSP Symbol Type:PO		
Radius: Elevation:		, ,,		
Elevation	1 7 MILES SE OF TREMONT SCHOOL			
Elevation: Location	: 1.7 MILES SE OF TREMONT SCHOOL, 3		FIFLD IN 1992	
Elevation: Location Location Detail	: 1.7 MILES SE OF TREMONT SCHOOL, 3 I:BIRDS OBSERVED FORAGING OVER A I: HABITAT SURROUNDING NEST TREE (	NEARBY, FRESHLY-CUT, ALFALFA		

Swainson's hawk		- NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None State: Threater	ned	Global: G5 State: S2	CDFG Stat	tus:	
	STOCIATIONS				
-	•	EO Index: 902			t Seen 1990-05-18 1990-05-18
	Unknown		Record Las	t Updated:	2007-12-07
Quad Summary: County Summary	: Elmira (3812138/498C) : Solano				
UTM:	38.32445° / -121.92358° Zone-10 N4242362 E594090 1/5 mile 70 ft	Mapping PrecisionN Symbol Type:Pr		01W 36	Qtr: NE
Location	CYPRESS LAKES GOLF COURSE, 3 MIL	ES SE OF VACAVILLE.			
Ecological	NEST TREE IS A EUCALYPTUS; SURRO	UNDED BY A MILITARY-OWNED G	OLF COURSE.		
General:	NEST SITE WAS ALSO USED IN 1989. 2 1990.	ADULTS AND 2 NESTLINGS WERI	E FIRST OBSERVED ON 1 APR 1990, TH	HEN AGAIN	ON 6 MAY AND 18
Owner/Manager:	PVT-CYPRESS LAKES GOLF COURSE				
Occurrence No. Occ Rank:	None	EO Index: 141			2002-07-18
Presence:	Natural/Native occurrence Extirpated Decreasing		Record Las		2002-XX-XX 2007-11-20
Quad Summary:	: Dixon (3812147/498A)				
County Summary					
-	38.48936º / -121.84881º Zone-10 N4260740 E600397		Township: Range:		
Radius: Elevation:	80 meters 80 ft	Mapping PrecisionSl Symbol Type:Pl			Qtr: NE
	SOUTH SIDE OF SIEVERS ROAD, 0.3 MI NEST TREE IS LOCATED AT THE FARM: EASTBOUND LANE.				NK ANGLING OVER
Ecological	NEST TREE WAS A LARGE BLACK WAL		ORCHARDS TO THE SOUTH AND COR	N TO THE	NORTH. NEST TRE
General:	APR 1992: ADULTS NESTING; JUN 1992 FLEDGED. NEST MONITORED 9 APR-20				G 2000; 2 CHICKS, 1
Owner/Manager:	SOL COUNTY				
Occurrence No.		EO Index: 141	12 —	Dates Las	t Seen
•	Natural/Native occurrence				1992-05-19 2000-XX-XX
	Possibly Extirpated Decreasing		Record Las	t Updated:	2001-03-28
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano				
UTM: Radius:	38.48461° / -121.80326° Zone-10 N4260264 E604377 80 meters	Mapping PrecisionS		02E 06	Qtr: NW
Elevation:				M	
Location	: 0.25 MILE SOUTH OF THE JUNCTION OI : NEST TREE IS AN ALMOND TREE ON TI	HE NORTH SIDE OF A FARM RESI		T IS IRRIG.	ATED AGRICULTUR
Ecological	INCLUDING ALFALFA AND OTHER CRO	10.			
Threat:	INCLUDING ALFALFA AND OTHER CRO POSSIBLY THREATENED BY DEVELOPP NESTING OBSERVED ON 19 MAY 1992;	MENT.		ייי ום חואס	

Swainson's hawk	-	NDDR Floment Bonke	Element Code: ABNKC19070 Other Lists	
Federal: None	IS —	<ul> <li>NDDB Element Ranks —— Global: G5</li> </ul>	CDFG Sta	
State: Threater	ned	State: S2	CDFG Sta	lus.
Habitat As				
	S IN GRASSLANDS WITH WITH SCATTE	RED TREES. JUNIPER-SAGE FLAT	S. RIPARIAN AREAS, SAVANNAHS, & /	AGRICULTURAL OR RANCH
	ES ADJACENT SUITABLE FORAGING A			
Occurrence No.	390 Map Index: 21235	EO Index: 164	10	Dates Last Seen
Occ Rank:	Fair			Element: 2000-07-30
-	Natural/Native occurrence			Site: 2005-07-16
	Possibly Extirpated Unknown		Record Las	t Updated: 2005-11-09
Quad Summary:	Dixon (3812147/498A)			
County Summary:	Solano			
Lat/Long:	38.40705° / -121.80348°		Township:	07N
UTM:	Zone-10 N4251657 E604469		Range:	02E
	80 meters	Mapping PrecisionS	PECIFIC Section:	31 Qtr: SW
Elevation:	40 ft	Symbol Type:P	OINT Meridian:	М
Location	0.7 MILE SOUTH OF THE JUNCTION OF	PEDRICK ROAD AND MIDWAY R	DAD, 3 MILES SSE OF DIXON	
	THIS PAIR ALTERNATELY USED TWO			
	THE RESIDENCE.	ALOT TREED IN THE 1990 S. A LUC	SOT NE OF FARMINE SIDENCE AND A	DEND LOOALIF 103 3001A
Factoriast				
-	2000 NEST TREE WAS A LOCUST; SUP		AST AND NORTH, CULTIVATED LAND	TO THE WEST.
Threat:	POSSIBLE THREAT OF TREE REMOVA	L (EUCALYPTUS TREE IS DEAD).		
General:	BIRD ON NEST IN A DEAD EUCALYPTU EUCALYPTUS NEST, 23 JUL 1996. NES			
Owner/Manager:	PVT			
Occurrence No.	506 Map Index: 23054	EO Index: 180	48	Dates Last Seen
Occ Rank:	-			Element: 1992-06-17
Origin:	Natural/Native occurrence			Site: 1992-06-17
Presence:	Presumed Extant			
Trend:	Unknown		Record Las	t Updated: 1993-04-19
Quad Summary:	Dixon (3812147/498A)			
County Summary:				
Lat/Long:	38.48150º / -121.84992º		Township:	07N
-	Zone-10 N4259867 E600311		Range:	
Radius:	1/5 mile	Mapping Precision		
Elevation:	80 ft	Symbol Type:P	OINT Meridian:	М
Location	SOUTH SIDE OF SIEVERS ROAD, 0.4 M	III E EAST OF STEVENSON BRIDG		
Ecological	NEST TREE IS A BLACK WALNUT; SUR	ROUNDING FORAGING HABITAT	CONSISTS OF IRRIGATED AGRICULTU	RAL LAND.
Threat:	THREATENED BY TREE REMOVAL ANI	D DEVELOPMENT BY THE TOWN (	)F DIXON.	
General:	DFG SWHA #SO002. 2 ADULTS OBSER			
	OBSERVED STANDING ON NEST EDGI	E AND 3 DOWNY YOUNG (APPRO)	IMATELY 2-WEEKS-OLD) INSIDE NEST	•
Owner/Manager:	UNKNOWN			
Occurrence No.	•	EO Index: 215		Dates Last Seen
Occ Rank:				Element: 2005-08-08
-	Natural/Native occurrence			Site: 2005-08-08
	Presumed Extant Unknown		Record Las	t Updated: 2007-06-21
	Elmira (3812138/498C)			
County Summary:	, ,			
County Summary.	Solario			
Lat/Long:	38.34684º / -121.88263º		Township:	06N
	Zone-10 N4244889 E597639		Range:	
	9.0 acres	Mapping PrecisionS		
Elevation:		Symbol Type:P		
	DALLY MAIN CANAL, EAST OF CHICOR			
	2001 NEST WAS LOCATED AT THE 909			
Ecological	NEST TREE WAS A BLUE GUM EUCAL SURROUNDED BY SUNFLOWERS TO T			LLER, DECIDUOUS TREES;

Statu	IS	NDDB Element Ranks	Element Code: A	Other Lists		
Federal: None State: Threaten	ed	Global: G5 State: S2		CDFG Statu	IS:	
	S IN GRASSLANDS WITH WITH S	CATTERED TREES, JUNIPER-SAGE GING AREAS SUCH AS GRASSLANE				
Occurrence No.	598 Map Index: 3	23628 EO Index	: 18421		Dates Las	st Seen
Occ Rank:	Good			E		2005-08-26
Presence:	Natural/Native occurrence Presumed Extant Unknown			Record Last		2005-08-26 2007-07-17
Quad Summary: County Summary:	Saxon (3812146/497B) Solano					
-	38.49485º / -121.69739º			Township:		
	Zone-10 N4261526 E613595 80 meters	Mapping Prec	sionSPECIFIC	Range: Section:		Qtr: NE
Elevation:			ype:POINT	Meridian:		<b>L</b> 12
Location:	SOUTH SIDE OF TREMONT RO	AD, 0.1 MILE WEST OF ROAD 104, 7	MILES SOUTH OF DAVIS.			
Location Detail:	DFG SWHA SO019. 2004 NEST	LOCATED AT THE 80% HEIGHT OF	THE EASTMOST TREE IN A CON	ITINUOUS ROV	V OF BLA	CK WALNUTS.
Ecological:		JT WITHIN A ROW OF WALNUT TRE 1 THE NORTH, ACROSS TREMONT R		HABITAT CON	ISISTS OF	CULTIVATED LAND
General:		N 1988. NEST MONITORED 8 APR-24 AUG 2004; 1 FLEDGED. NEST SITE N				
Owner/Manager:	UNKNOWN					
Occurrence No.	642 Map Index:	24157 EO Index	: 7151		Dates Las	st Seen
Occ Rank:				E		1992-05-18
Origin: Presence:	Natural/Native occurrence				Site:	1992-05-18
	Unknown			Record Last	Updated:	2004-12-09
Quad Summary: County Summary:	Allendale (3812148/498B) Solano					
	38.47887º / -121.95165º			Township:	07N	
	Zone-10 N4259469 E591441			Range:		
Radius: Elevation:	80 meters 120 ft		isionSPECIFIC Type:POINT	Section: Meridian:		Qtr: XX
Location:	0.3 MILE WEST OF I-505, 3.7 MI	LES SSE OF WINTERS				
-		SURROUNDED BY GRAZED, NON-N	IATIVE GRASSLAND.			
		' LACK OF SUITABLE NEST TREES.				
	NOT CONFIRMED IN 1992. PRE	ING, AND A 2ND ADULT WAS FLUSH SUMED ORIGINAL NEST TREE IS NO				
Owner/Manager:	UNKNOWN					
Occurrence No.	•	33263 EO Index	: 2568		Dates Las	
Occ Rank: Origin:	Fair Natural/Native occurrence			E		2005-07-21 2005-07-21
•	Presumed Extant			_		
Trend:	Unknown			Record Last	Updated:	2007-11-20
	Dixon (3812147/498A)					
County Summary:						
	38.46116º / -121.81767º			Township:		
	Zone-10 N4257645 E603153 7.9 acres	Mapping Prec	sionSPECIFIC	Range: Section:		Qtr: SW
Elevation:			ype:POLYGON	Meridian:		
	NEST TREE IS LOCATED IN AN	ILE SOUTH OF VAUGHN ROAD AND OLD, NOW DRY, CHANNEL OF DUD				EST TREE IN THE SA
Ecological:	VICINITY IN 2005. NEST TREE IS A EUCALYPTUS EAST, AND WEST, WITH DEVEL	, GROWING IN AN OLD, DRY CHANN OPMENT TO THE SOUTH.	IEL OF DUDLEY CREEK; SURRO	OUNDED BY AG	GRICULTU	IRE ON THE NORTH
	, .,					
Threat	THREATENED BY INDUSTRIAL	WAREHOUSE DEVELOPMENT				

				nent Ranks	Other L	ists —		
Federal: None State: Threate			Global: 6	G5		G Status		
Habitat As	sociations —							
General: BREED	S IN GRASSLANDS	WITH WITH SO	CATTERED TREES, J	UNIPER-SAGE FLATS, RIF	PARIAN AREAS, SAVANNAH	S, & AGF	RICULTU	JRAL OR RANCH
Micro: REQUIF	RES ADJACENT SUI	ITABLE FORAC	GING AREAS SUCH A	S GRASSLANDS, OR ALFA	LFA OR GRAIN FIELDS SU	PORTIN	IG RODE	ENT POPULATIONS
	PVT							
Occurrence No	. 686	Map Index: 3	3487	EO Index: 24225		— D	ates Las	st Seen
Occ Rank:						Ele		2005-07-21
-	Natural/Native occu	urrence					Site:	2005-07-21
	Presumed Extant Unknown				Reco	d Last U	pdated:	2007-11-20
Quad Summary	: Dixon (3812147/49	18A)						
County Summary	: Solano							
-	38.49421º / -121.78					ship: 0		
	Zone-10 N4261346	6 E605682				inge: 0		
Radius: Elevation:	80 meters 60 ft			Mapping PrecisionSPECIF Symbol Type:POINT		ction: 3 dian: N		Qtr: SE
Location	: WEST OF ROBBEI	N ROAD, 0.2 M	ILE SOUTH OF TREM	ONT ROAD, 3.5 MILES NE	OF DIXON.			
Location Detai	LANDOWNERS RE	EPORT NESTIN	NG IN PREVIOUS YEA	RS. 1996, 2005 NEST TRE	E WAS A BLACK LOCUST.	001, 200	02, 2004 I	NEST TREE WAS A
Threat	THE EAST AND SE POSSIBLE THREA	E, AND RUDER	RAL TO THE EAST, AC	ROSS THE ROAD. AL DEVELOPMENT AT THE	UDES TOMATOES TO THE	PEDRICI	K ROAD.	
Threat	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1	E, AND RUDER AT FROM A PR 1996; 2 FLEDG	RAL TO THE EAST, AC	ROSS THE ROAD. AL DEVELOPMENT AT THE 2000 & 2001; 2 FLEDGED E		PEDRICI	K ROAD.	
Threat	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S	E, AND RUDER AT FROM A PR 1996; 2 FLEDG	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2	ROSS THE ROAD. AL DEVELOPMENT AT THE 2000 & 2001; 2 FLEDGED E	E SE CORNER OF I-80 AND	PEDRICI	K ROAD.	
Threat: General:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S : PVT	E, AND RUDER AT FROM A PR 1996; 2 FLEDG	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THE 2000 & 2001; 2 FLEDGED E	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2	K ROAD. 2002, BU <sup>-</sup>	
Threat: General: Owner/Manager Occurrence No Occ Rank:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2	K ROAD. 2002, BU <sup>-</sup> ates Las	T NO NEST. GHOW st Seen 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2	K ROAD. 2002, BU <sup>-</sup> ates Las	T NO NEST. GHOW
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2 — D: Ele	K ROAD. 2002, BU <sup>-</sup> ates Las ement: Site:	T NO NEST. GHOW st Seen 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2 — D: Ele	K ROAD. 2002, BU <sup>-</sup> ates Las ement: Site:	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S : PVT . 732 Excellent Natural/Native occu Presumed Extant Unknown : Dixon (3812147/49	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND	PEDRICI ENT IN 2 — D: Ele	K ROAD. 2002, BU <sup>-</sup> ates Las ement: Site:	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S : PVT . 732 Excellent Natural/Native occu Presumed Extant Unknown : Dixon (3812147/49	E, AND RUDER AT FROM A PRI 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005;	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor	PEDRICI ENT IN 2 — D. Ele d Last Uj uship: 0	K ROAD. 2002, BU ates Las ment: Site: pdated:	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 Solano 38.47484° / -121.88 Zone-10 N4259114	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 6269°	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2005; JEST ACTIVE IN 2005; 1419	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED. EO Index: 41419	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor Town R	PEDRICI ENT IN 2 Ele d Last Up ship: 0 unge: 0	K ROAD. 2002, BU <sup>-</sup> ates Las ement: Site: pdated: 	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08 2005-11-09
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 Solano 38.47484º / -121.86 Zone-10 N4259114 80 meters	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 6269°	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2005; JEST ACTIVE IN 2005; 1419	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED.	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor Town R IC Se	PEDRICI ENT IN 2 — D. Ele d Last Uj uship: 0	K ROAD. 2002, BU <sup>2</sup> eates Las ement: Site: pdated: 07N 01E 09	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 : Solano 38.47484º / -121.80 Zone-10 N4259114 80 meters : 80 ft	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 6269° 4 E599206	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2005; JEST ACTIVE IN 2005; 1419	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED. EO Index: 41419 Mapping PrecisionSPECIF	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor IC Se Mer	PEDRICI ENT IN 2 Ele d Last Uj iship: 0 inge: 0 ction: 0	K ROAD. 2002, BU <sup>2</sup> eates Las ement: Site: pdated: 07N 01E 09	T NO NEST. GHOW st Seen 2005-09-08 2005-09-08 2005-11-09
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 Solano 38.47484° / -121.8t Zone-10 N4259114 80 meters 80 ft SOUTH SIDE OF T 1:1999 NEST TREE	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 62699 4 E599206 THISSELL ROA WAS THE FOU	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2005; JEST ACTIVE IN 2005; 1419 D. 0.2 MILE WEST OF JRTH ARIZONA CYPR	ROSS THE ROAD. AL DEVELOPMENT AT THE 2000 & 2001; 2 FLEDGED E 2 FLEDGED. EO Index: 41419 Mapping PrecisionSPECIF Symbol Type:POINT	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor IC LES NW OF DIXON ER ROAD, GROWING ON TI	PEDRICI ENT IN 2 Ele d Last Up ship: 0 unge: 0 cition: 0 dian: M	K ROAD. 2002, BU <sup>-</sup> ates Las ement: Site: pdated: 07N 01E 99 4	T NO NEST. GHOW st Seen 2005-09-08 2005-11-09 Qtr: \W
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 Solano 38.47484° / -121.80 Zone-10 N4259114 80 meters 80 ft SOUTH SIDE OF T 1999 NEST TREE ROAD. 2000 AND 2	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 6269° 4 E599206 THISSELL ROA WAS THE FOU 2001 NEST WA	RAL TO THE EAST, AC OPOSED COMMERCI. ED. NEST ACTIVE IN 2005; IST ACTIVE IN 2005; 1419 	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED. EO Index: 41419 Mapping PrecisionSPECIF Symbol Type:POINT SCHROEDER ROAD, 2 MI ESS WEST OF SCHROEDDE E FIFTH CYPRESS TO THE	E SE CORNER OF I-80 AND CACH YEAR. ADULTS PRES Recor IC LES NW OF DIXON ER ROAD, GROWING ON TI	PEDRICI ENT IN 2 Ele d Last Up ship: 0 inge: 0 ction: 0 dian: M	K ROAD. 2002, BU <sup>2</sup> ates Las sement: Site: pdated: 17N 11E 199 A 14 SHOU	T NO NEST. GHOW st Seen 2005-09-08 2005-11-09 Qtr: \W
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detai	THE EAST AND SE POSSIBLE THREA NEST ACTIVE IN 1 OCCUPIED THIS S PVT 732 Excellent Natural/Native occu Presumed Extant Unknown Dixon (3812147/49 Solano 38.47484° / -121.84 Zone-10 N4259114 80 meters 80 ft SOUTH SIDE OF T 1999 NEST TREE IS AN SOUTH.	E, AND RUDER AT FROM A PR 1996; 2 FLEDG SITE IN 2004. N Map Index: 4 urrence 18A) 6269° 4 E599206 THISSELL ROA WAS THE FOU 2001 NEST WA I ARIZONA CYF	RAL TO THE EAST, AC OPOSED COMMERCI ED. NEST ACTIVE IN 2005; IEST ACTIVE IN 2005; IATI9 IATI9 IATI9 INTH ARIZONA CYPR IN THE TOP OF TH PRESS; SURROUNDE	ROSS THE ROAD. AL DEVELOPMENT AT THI 2000 & 2001; 2 FLEDGED E 2 FLEDGED. EO Index: 41419 Mapping PrecisionSPECIF Symbol Type:POINT SCHROEDER ROAD, 2 MI ESS WEST OF SCHROEDE E FIFTH CYPRESS TO THE D BY WHEAT TO THE NW,	E SE CORNER OF I-80 AND EACH YEAR. ADULTS PRES Recor IC IC IC ES NW OF DIXON ER ROAD, GROWING ON TH E WEST.	PEDRICI ENT IN 2 Ele d Last Uj diaship: 0 inge: 0 tition: 0 dian: M IE SOUTI	K ROAD. 2002, BU <sup>2</sup> Pates Las sement: Site: pdated: D7N D1E D9 A H SHOU	T NO NEST. GHOW St Seen 2005-09-08 2005-11-09 Qtr: \W PLDER OF THISSELL A TO THE NORTH A

	us —	NDDB Eleme	ent Ranks	Other Lists		
Federal: None State: Threate		Global: G State: S		CDFG Stat	tus:	
General: BREED	SSOCIATIONS					
Presence	Good Natural/Native occurrence Presumed Extant	41420	EO Index: 41420		Site:	st Seen 2005-07-16 2005-07-16 2005-09-15
Quad Summary	: Unknown : Allendale (3812148/498B)			Record Las	t Opdated:	2005-09-15
UTM:	<ul> <li>38.48934º / -121.87710º</li> <li>Zone-10 N4260708 E597930</li> <li>80 meters</li> </ul>	N	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: Range: Section: Meridian:	01E 04	Qtr: \W
	I: SOUTH SIDE OF SIEVERS RO II:NEST IS HIGH ON THE EAST S NORTH-SOUTH IRRIGATION C	SIDE OF THE NEST TREE	E, WHICH SPREADS ALL TH		AD TO THE	NORTH SHOULDER
-	I: NEST TREE IS A LARGE BLAC THE CANAL, NEW WALNUTS 1	TO THE SE, AND THE RE	MAINDER CULTIVATED LAI	ND.		
	<ul> <li>THREATENED BY NEST TREE EXPANSION.</li> <li>2 YOUNG FLEDGED FROM TH</li> </ul>					
	MONITORED 1 FEB-14 AUG 20				-16 JUL 200	J4, 3 FLEDGED. NES
Owner/wanager	": UNKNOWN					
Occurrence No		41767	EO Index: 41767		Dates La	st Seen
Occurrence No Occ Rank: Origin:		41767	EO Index: 41767		Element: Site:	1994-07-07 1994-07-07
Occurrence No Occ Rank: Origin: Presence: Trend:	754 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown	41767	EO Index: 41767		Element: Site:	1994-07-07
Occurrence No Occ Rank: Origin: Presence: Trend:	<ul> <li>754 Map Index:</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Rio Vista (3812126/480B)</li> </ul>	41767	EO Index: 41767		Element: Site:	1994-07-07 1994-07-07
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	<ul> <li>754 Map Index:</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Rio Vista (3812126/480B)</li> <li>Sacramento</li> <li>38.17152° / -121.64345° Zone-10 N4225715 E618826</li> <li>80 meters</li> </ul>		EO Index: 41767 Apping PrecisionSPECIFIC Symbol Type:POINT	Record Last Township: Range:	Element: Site: t Updated: 04N 03E 21	1994-07-07 1994-07-07
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	<ul> <li>754 Map Index:</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Rio Vista (3812126/480B)</li> <li>Sacramento</li> <li>38.17152° / -121.64345° Zone-10 N4225715 E618826</li> <li>80 meters</li> </ul>	N	Mapping PrecisionSPECIFIC Symbol Type:POINT	Record Last Township: Range: Section: Meridian:	Element: Site: t Updated: 04N 03E 21 M	1994-07-07 1994-07-07 2000-01-05
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological	754 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Sacramento     38.17152° / -121.64345°     Zone-10 N4225715 E618826     80 meters     10 ft     SOUTH SIDE OF THE SACRAM     INEST TREE IS A COTTONWOO	MENTO RIVER, AT THE E DD; SURROUNDED BY A	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE.	Record Last Township: Range: Section: Meridian:	Element: Site: t Updated: 04N 03E 21 M	1994-07-07 1994-07-07 2000-01-05
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological	754 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Sacramento     38.17152° / -121.64345°     Zone-10 N4225715 E618826     80 meters     10 ft     SOUTH SIDE OF THE SACRAM     NEST TREE IS A COTTONWOG     2 ADULTS AND 1 JUVENILE O	MENTO RIVER, AT THE E DD; SURROUNDED BY A	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE.	Record Last Township: Range: Section: Meridian:	Element: Site: t Updated: 04N 03E 21 M	1994-07-07 1994-07-07 2000-01-05
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General Owner/Manager	<ul> <li>754 Map Index:</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Rio Vista (3812126/480B)</li> <li>Sacramento</li> <li>38.17152° / -121.64345°</li> <li>Zone-10 N4225715 E618826</li> <li>80 meters</li> <li>10 ft</li> <li>SOUTH SIDE OF THE SACRAM</li> <li>NEST TREE IS A COTTONWOO</li> <li>2 ADULTS AND 1 JUVENILE OF</li> <li>PVT</li> </ul>	MENTO RIVER, AT THE E OD; SURROUNDED BY A BSERVED AT THE NEST	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE.	Record Lass Township: Range: Section: Meridian: ESORT, 2.5 MILES ENE OF RIO	Element: Site: t Updated: 04N 03E 21 M VISTA. VISTA.	1994-07-07 1994-07-07 2000-01-05 Qtr: 3E st Seen 1988-XX-XX 1994-04-28
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	754 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Sacramento     38.17152° / -121.64345°     Zone-10 N4225715 E618826     80 meters     10 ft     SOUTH SIDE OF THE SACRAN     NEST TREE IS A COTTONWOG     2 ADULTS AND 1 JUVENILE OF     PVT     767 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown	MENTO RIVER, AT THE E OD; SURROUNDED BY A BSERVED AT THE NEST	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE. 'ON 7 JUL 1994.	Record Lass Township: Range: Section: Meridian: ESORT, 2.5 MILES ENE OF RIO	Element: Site: t Updated: 04N 03E 21 M VISTA. VISTA.	1994-07-07 1994-07-07 2000-01-05 Qtr: SE
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	754 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Sacramento     38.17152° / -121.64345°     Zone-10 N4225715 E618826     80 meters     10 ft     SOUTH SIDE OF THE SACRAN     NEST TREE IS A COTTONWOG     2 ADULTS AND 1 JUVENILE OF     PVT     767 Map Index:     Unknown     Natural/Native occurrence     Presumed Extant     Unknown     Ratural/Native occurrence     Presumed Extant     Unknown     Ratural/Native occurrence     Presumed Extant     Unknown     Ratural/Native occurrence     Presumed Extant     Unknown     Ratural/Native occurrence     Presumed Extant     Unknown     Ratural/Native occurrence	MENTO RIVER, AT THE E OD; SURROUNDED BY A BSERVED AT THE NEST	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE. 'ON 7 JUL 1994.	Record Lass Township: Range: Section: Meridian: ESORT, 2.5 MILES ENE OF RIO	Element: Site: t Updated: 04N 03E 21 M VISTA. VISTA.	1994-07-07 1994-07-07 2000-01-05 Qtr: 3E st Seen 1988-XX-XX 1994-04-28
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	A       Map Index:         : Unknown       :         : Natural/Native occurrence       :         : Presumed Extant       :         : Unknown       :         : Rio Vista (3812126/480B)       ////////////////////////////////////	M MENTO RIVER, AT THE E OD; SURROUNDED BY A BSERVED AT THE NEST 41786	<b>Japping Precision</b> SPECIFIC <b>Symbol Type</b> :POINT INTRANCE TO VIERRA'S RE IGRICULTURE. 'ON 7 JUL 1994.	Record Lass Township: Range: Section: Meridian: ESORT, 2.5 MILES ENE OF RIO  Record Lass Record Lass Township: Range:	Element: Site: t Updated: 04N 03E 21 M VISTA. VISTA. Dates La Element: Site: t Updated: 04N 03E 21 M	1994-07-07 1994-07-07 2000-01-05 Qtr: 3E st Seen 1988-XX-XX 1994-04-28
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	A       Map Index:         : Unknown       :         : Natural/Native occurrence       :         : Presumed Extant       :         : Unknown       :         : Rio Vista (3812126/480B)       ////////////////////////////////////	MENTO RIVER, AT THE E OD; SURROUNDED BY A BSERVED AT THE NEST 41786	Mapping PrecisionSPECIFIC Symbol Type:POINT INTRANCE TO VIERRA'S RE IGRICULTURE. 'ON 7 JUL 1994. EO Index: 41786 Mapping PrecisionSPECIFIC Symbol Type:POINT	Record Lass Township: Range: Section: Meridian: ESORT, 2.5 MILES ENE OF RIO Record Lass Record Lass Section: Range: Section: Meridian:	Element: Site: t Updated: 04N 03E 21 M VISTA. VISTA. Dates La Element: Site: t Updated: 04N 03E 21 M	1994-07-07 1994-07-07 2000-01-05 Qtr: 3E

Swainson's hawk				Elen	ment Code: ABNKC19070		
Stat	us —		NDDB Eleme		Other Lists		
Federal: None	and a		Global: G		CDFG Sta	tus:	
State: Threate			State: S2	2			
		א אדו א אדו א		NIPER-SAGE FLATS, RIPARIAN	AREAS SAVANNAHS &		
				GRASSLANDS, OR ALFALFA OF			
Occurrence No	. 832	Map Index: 4	3456	EO Index: 43456		Dates La	ast Seen
Occ Rank	None					Element:	2000-07-16
	: Natural/Native of					Site:	2005-05-01
	Possibly Extirpat	ted			Record Las	t Undated	: 2005-11-09
Irena	Decreasing				Necola Eas	r opuateu	. 2003-11-03
Quad Summary	: Dixon (3812147/	/498A)					
County Summary	: Solano						
Lat/Long	: 38.47713º/-121	1.81765°			Township	07N	
	Zone-10 N42594				Range:		
Radius	80 meters		Ma	apping PrecisionSPECIFIC	Section:	01	Qtr: SW
Elevation	: 65 ft			Symbol Type:POINT	Meridian:	М	
Ecologica Threat	WAS LOCALIZE I: NEST TREE IS I : THREATENED I	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI	N A ROW OF MIXED DE NT: PROPOSED CONST	(FARM ROAD) BY WATCHING T CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR	NORTH EDGE OF A CORN RSE RACING FACILITY AT	I FIELD. THIS SITI	
Ecologica Threat	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOP ACTIVITY. MOS	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16 、	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. S	CIDUOUS TREES ALONG THE I	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200	I FIELD. THIS SITE 01, BUT NO	O DEFINITE NESTIN
Ecologica Threat General	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS :: PVT	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16 、	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HO SWHA OBSERVED FLYING DUR	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200	I FIELD. THIS SITE 01, BUT NO	D DEFINITE NESTIN KELY EXTIRPATED
Ecologica Threat General Owner/Manager Occurrence No Occ Rank	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 . ST OF THE TREES Map Index: 4	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200	I FIELD. THIS SITE (1, BUT NO T; SITE LII Dates La Element:	D DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOR ACTIVITY. MOS : PVT . 833 : Good : Natural/Native of	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16, ST OF THE TREES Map Index: 4 ccurrence	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200	I FIELD. THIS SITI 01, BUT NO T; SITE LII Dates La	D DEFINITE NESTIN KELY EXTIRPATED
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native o : Presumed Extan	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16, ST OF THE TREES Map Index: 4 ccurrence	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN	I FIELD. THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site:	DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native o : Presumed Extan : Unknown	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 . ST OF THE TREES Map Index: 4 ccurrence	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN	I FIELD. THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site:	D DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native o : Presumed Extan : Unknown : Dixon (3812147/	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 . ST OF THE TREES Map Index: 4 ccurrence	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN	I FIELD. THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site:	DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native or : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ r: Solano : 38.47402°/-121	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 ST OF THE TREES Map Index: 4 ccurrence tt (498A) 1.82116°	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. § S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN Record Las Township:	I FIELD. THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site: t Updated	DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native or : Dresumed Extan : Unknown : Dixon (3812147/ r: Solano : 38.47402° / -121 Zone-10 N42590	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 ST OF THE TREES Map Index: 4 ccurrence tt (498A) 1.82116°	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED, S S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN Record Las Township: Range:	I FIELD. THIS SITI D1, BUT NC T; SITE LII Dates La Element: Site: t Updated 07N 01E	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOR ACTIVITY. MOS : PVT 4. 833 : Good : Natural/Native of : Natural/Native of : Presumed Extant : Unknown : Dixon (3812147/ r: Solano : 38.47402° / -121 Zone-10 N42596 : 9.5 acres	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 ST OF THE TREES Map Index: 4 courrence tt (498A) 1.82116°	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED, S S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200 ATION FOR DEVELOPMEN Record Las Township: Range: Section:	THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site: t Updated	DEFINITE NESTIN KELY EXTIRPATED ast Seen 2005-07-08 2005-07-08
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOR ACTIVITY. MOS : PVT 4. 833 : Good : Natural/Native of : Natural/Native of : Presumed Extant : Unknown : Dixon (3812147/ r: Solano : 38.47402° / -121 Zone-10 N42596 : 9.5 acres	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16 ST OF THE TREES Map Index: 4 courrence tt (498A) 1.82116°	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED, S S IN THIS AREA WERE F	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN Record Las Township: Range:	THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site: t Updated	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native o : Presumed Extan : Unknown : Dixon (3812147/ : Solano : 38.47402° / -121 Zone-10 N42590 : 9.5 acres : 65 ft	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16 , ST OF THE TREES Map Index: 4 courrence at (498A) 1.82116° 069 E602830	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. S S IN THIS AREA WERE F 13458	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN RECord Las Township: Range: Section: Meridian:	THIS SITI 01, BUT NO T; SITE LII Dates La Element: Site: t Updated	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	WAS LOCALIZE WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native of : Natural/Native of : Onknown : Dixon (3812147/ /: Solano : 38.47402° / -121 Zone-10 N42590 : 9.5 acres : 65 ft : SOUTH SIDE OI I: 2000 NEST WAS	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16, ST OF THE TREES Map Index: 4 ccurrence tt (498A) 1.82116° 069 E602830 F I-80, 0.1 MILE E S LOCATED HIGH	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED, S S IN THIS AREA WERE F 34558 	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458 BO Index: 43458	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 201 ATION FOR DEVELOPMEN Record Las Township: Range: Section: Meridian: S NORTH OF DIXON	THIS SITI THIS SITI D1, BUT NO T; SITE LII Dates La Element: Site: t Updated t Updated	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09 Qtr: NW
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	WAS LOCALIZE WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native of : Natural/Native of : Dixon (3812147/ /: Solano : 38.47402° / -121 Zone-10 N4259( : 9.5 acres : 65 ft : SOUTH SIDE OI I: 2000 NEST WAS WALNUT. 2005 I: 2000 NEST TRE	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEI RED, 16 MAY-16, ST OF THE TREES Map Index: 4 (498A) 1.82116° 069 E602830 F I-80, 0.1 MILE E S LOCATED HIGH NEST WAS IN A I EE WAS A BLACK	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. S S IN THIS AREA WERE F 13458 CAST OF THE HIGHWAY H, ON THE SOUTH SIDE BLACK WALNUT LOCAT C WALNUT; AREA SOUTH	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458 BOD Index: 43458 Company PrecisionSPECIFIC Symbol Type:POLYGON	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200 ATION FOR DEVELOPMEN Record Las Township: Range: Section: Meridian: S NORTH OF DIXON ST WAS AT THE 90% HEIG DY AND UNCULTIVATED. 2	THIS SITI THIS SITI D1, BUT NO T; SITE LII Dates La Element: Site: t Updated 01E 12 M SHT OF A S 2004 NEST	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09 Qtr: NW SMALL ENGLISH
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	WAS LOCALIZE WAS LOCALIZE I: NEST TREE IS I : THREATENED I : NEST MONITOF ACTIVITY. MOS : PVT . 833 : Good : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ /: Solano : 38.47402° / -121 Zone-10 N42590 : 9.5 acres : 65 ft : SOUTH SIDE OF I: 2000 NEST WAS WALNUT. 2005 I: 2000 NEST TRE ENGLISH WALN	ED (FROM ACROS LOCATED WITHII BY DEVELOPMEN RED, 16 MAY-16, ST OF THE TREES Map Index: 4 courrence at (498A) 1.82116° 069 E602830 F I-80, 0.1 MILE E S LOCATED HIGH NEST WAS IN A I SE WAS A BLACK NUT; SMALL ARE	SS THE FREEWAY/MILK N A ROW OF MIXED DE NT: PROPOSED CONST JUL 2000; 1 FLEDGED. S S IN THIS AREA WERE F 13458 CAST OF THE HIGHWAY H, ON THE SOUTH SIDE BLACK WALNUT LOCAT C WALNUT; AREA SOUTH	CIDUOUS TREES ALONG THE I RUCTION OF A GAMBLING/HOI SWHA OBSERVED FLYING DUR REMOVED IN 2002 IN PREPARA EO Index: 43458 EO Index: 43458 INTERCHANGE, 1.3 MILES OF THE NEST TREE. 2004 NES TED WITHIN A FENCED AREA. H OF THE NEST TREE IS WEEE NOW BEEN DEVELOPED AS A	NORTH EDGE OF A CORN IRSE RACING FACILITY AT RING 5 OF 12 VISITS IN 200 ATION FOR DEVELOPMEN Record Las Township: Range: Section: Meridian: S NORTH OF DIXON ST WAS AT THE 90% HEIG DY AND UNCULTIVATED. 2	THIS SITI THIS SITI D1, BUT NO T; SITE LII Dates La Element: Site: t Updated 01E 12 M SHT OF A S 2004 NEST	DEFINITE NESTIN KELY EXTIRPATED 2005-07-08 2005-07-08 : 2005-11-09 Qtr: NW SMALL ENGLISH

Owner/Manager: UNKNOWN

Swainson's hawk		NDDR Flomont Banka	Element Code: ABNKC190 Other Lis		
Federal: None		NDDB Element Ranks     Global: G5		Status:	
State: Threater	ned	State: S2	0010	olulus	
Habitat As	sociations				
		TERED TREES, JUNIPER-SAGE FLA	S, RIPARIAN AREAS, SAVANNAHS	S, & AGRICULT	URAL OR RANCH
Micro: REQUIR	RES ADJACENT SUITABLE FORAGING	G AREAS SUCH AS GRASSLANDS, OF	R ALFALFA OR GRAIN FIELDS SUP	PORTING ROD	ENT POPULATIONS.
Occurrence No.	. 834 Map Index: 4346	2 <b>EO Index</b> : 434	62	Dates La	st Seen
Occ Rank:	Good				2005-05-19
-	Natural/Native occurrence			Site:	2005-08-22
	Presumed Extant Unknown		Record	Last Updated	2005-09-15
	Allendale (3812148/498B)				
County Summary	Solano				
Lat/Long:	38.48947º / -121.89212º		Towns	ship: 07N	
	Zone-10 N4260707 E596619			nge: 01E	-
Area: Elevation:	7.1 acres	Mapping PrecisionS Symbol Type:F		tion: 05 lian: M	Qtr: XX
Location	SOUTH SIDE OF SIEVERS ROAD, 0.	15 MILE EAST OF GARNETT ROAD, V	EST OF DIXON		
Location Detail		VAS THE FIRST TREE, A BLACK WAL			
	NEST TREE WAS THE 2ND TREE E	AST OF GARNETT ROAD. BY 2004, TH	E 2ND AND 3RD TREES EAST OF	JAKNE I TAPP	EARED TO BE DEAD.
Ecological	NEST TREE WAS A BLACK WALNUT ROAD.	I; SURROUNDED BY ALFALFA TO TH	E SOUTH AND TOMATOES NORTH	OF VAUGHN (	CANAL, ACROSS THE
General:		1999; NO YOUNG OBSERVED. 1 FLE	DGED IN 2000, 2001, 2002, AND 200	04. NEST MON	ITORED 31 MAR-22 AU
Owner/Manager:		AY 2005, BUT NO CHICK DETECTED.			
Occurrence No.	•	7 EO Index: 434	67		ist Seen
Occ Rank:					2001-05-26
•	Natural/Native occurrence Presumed Extant			Site:	2005-07-07
	Unknown		Record	Last Updated	2007-06-14
Qued Summerv	Allendele (2912149/409P)				
County Summary	Allendale (3812148/498B)				
-	38.48987° / -121.90130°			ship: 08N	
	Zone-10 N4260741 E595819 80 meters	Mapping PrecisionS		nge: 01E tion: 99	Qtr: XX
Elevation:		Symbol Type:F		lian: M	Sett. AX
		.3 MILE WEST OF GARNETT ROAD, W			
Location Detail	NEST IS LOCATED AT 95% HEIGHT	OF THE EASTERN TREE, BUT WAS N	EARLY INVISIBLE EVEN THOUGH	THE TREE SE	EMED TRANSPARENT.
Ecological		STAL REDWOOD FOUND NORTH OF NORTH AND ALFALFA TO THE SOUT		). SURROUNDI	NG FORAGING HABIT
General	NEST MONITORED 20 MAY-13	2000; 2 FLEDGED. NEST MONITORED	9 APR-2 AUG: ADULT ON NEST 2	6 MAY. BUT A	BANDONED BY 14 JUN
e e e e e e e e e e e e e e e e e e e	2001. NEST SITE NACTIVE 2002, 20			., 20174	
Owner/Manager:	: PVT				
	. 839 Map Index: 4358	8 EO Index: 43	88	Dates La	ist Seen
Occurrence No.	Fair				2005-07-20
Occ Rank:				Site:	2005-07-20
Occ Rank: Origin:	Natural/Native occurrence				
Occ Rank: Origin: Presence:	Natural/Native occurrence Presumed Extant		Record	Last Updated	2007-10-03
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown		Record	Last Updated	2007-10-03
Occ Rank: Origin: Presence: Trend: Quad Summary:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)		Record	Last Updated	: 2007-10-03
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)		Record	Last Updated	: 2007-10-03
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881º / -121.90296º		Towns	ship: 07N	: 2007-10-03
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881º / -121.90296º Zone-10 N4252854 E595768		Towns Rai	ship: 07N nge: 01E	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881° / -121.90296° Zone-10 N4252854 E595768 80 meters	Mapping PrecisionS Symbol Type⊮	Towns Ra PECIFIC Sec	ship: 07N nge: 01E tion: 30	2007-10-03
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881° / -121.90296° Zone-10 N4252854 E595768 80 meters 80 ft	Symbol Type:F	Towns Rai PECIFIC Sec OINT Meric	ship: 07N nge: 01E tion: 30 lian: M	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881° / -121.90296° Zone-10 N4252854 E595768 80 meters 80 ft 0.1 MILE NORTH OF MIDWAY ROAD	Symbol Type:F	Towns Rai PECIFIC Sec OINT Meric NTILE LANE, 6 MILES NE OF VACA	ship: 07N nge: 01E tion: 30 dian: M	Qtr: SE
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881° / -121.90296° Zone-10 N4252854 E595768 80 meters 80 ft 0.1 MILE NORTH OF MIDWAY ROAD	Symbol Type:F	Towns Rai PECIFIC Sec OINT Meric NTILE LANE, 6 MILES NE OF VACA	ship: 07N nge: 01E tion: 30 dian: M	Qtr: SE
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.41881° / -121.90296° Zone-10 N4252854 E595768 80 meters 80 ft 0.1 MILE NORTH OF MIDWAY ROAD :NEST TREE IS LOCATED WITHIN AN TREE TO THE WEST).	Symbol Type:F D, BETWEEN DEMELLO LANE AND GE N EAST/WEST ROW OF EUCALYPTUS	Towns Rai PECIFIC Sec OINT Meric NTILE LANE, 6 MILES NE OF VACA ; 2000 & 2002 NEST WAS IN THE T	ship: 07N nge: 01E tion: 30 tian: M VILLE. ALLEST TREE	Qtr: SE
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) Solano 38.41881 <sup>0</sup> / -121.90296 <sup>o</sup> Zone-10 N4252854 E595768 80 meters 80 ft : 0.1 MILE NORTH OF MIDWAY ROAE :NEST TREE IS LOCATED WITHIN AI TREE TO THE WEST). :NEST TREE IS A BLUE GUM EUCAL	Symbol Type:F	Towns Ra PECIFIC Sec OINT Meric NTILE LANE, 6 MILES NE OF VACA ; 2000 & 2002 NEST WAS IN THE T. PASTURES, CORRALS, AND LOW-	ship: 07N nge: 01E tion: 30 tian: M VILLE. ALLEST TREE DENSITY SEM	<b>Qtr:</b> 3E IN THE ROW (FURTHE I-URBAN HOUSING.

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

Occurrence No. Occ Rank:		Map Index:	43589	EO Index: 43589		Dates Las lement:	2005-09-09
	Natural/Native occ	urrence				Site:	2005-09-09
	Presumed Extant Unknown				Record Last U	Jpdated:	2006-09-13
Quad Summary:	Allendale (381214	8/498B)					
County Summary	Solano						
Lat/Long:	38.40242º / -121.9	90579°			Township:	06N	
UTM:	Zone-10 N425103	2 E595542			Range:	01E	
Radius:	80 meters			Mapping PrecisionSPECIFIC	Section:	06	Qtr: XX
Elevation:	70 ft			Symbol Type:POINT	Meridian:	М	
Location	AT THE INTERSE	CTION OF W	EBER ROAD &	BYRNES ROAD, 4.5 MILES NE OF VACAVILLE.			
Location Detail				STS PRESENT IN BOTH A EUCALYPTUS & A CAL GHT OF THE TREE.	IFORNIA PEPPER. IN	I 2002, NE	ST TREE WAS A BLAC
Ecological	2002 & 2005 NES <sup>-</sup> TO THE NORTH 8	T TREE WAS & SOUTH.	A BLACK WAI	LNUT. SITE SURROUNDED BY CULTIVATED LAND	D TO THE WEST, PAS	TURE TO	THE EAST, & RUDERA
General:				JL 2000; NO YOUNG OBSERVED. UNOCCUPIED I /ITY OBSERVED IN 2004. NEST MONITORED 2 M/			APR-29 JUL 2002;
Owner/Manager:							
Owner/Manager: Occurrence No.	: PVT?	Map Index:	43590	<b>EO Index:</b> 43590	r	Dates Las	t Seen
-	: PVT? 841		43590	<b>EO Index:</b> 43590			t Seen 2005-06-02
Occurrence No. Occ Rank:	: PVT? 841	Map Index:	43590	EO Index: 43590		lement:	
Occurrence No. Occ Rank: Origin:	: PVT? . 841 Fair	Map Index:	43590	<b>EO Index</b> : 43590	E	lement: Site:	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence:	: PVT? 841 Fair Natural/Native occ	Map Index:	43590	EO Index: 43590		lement: Site:	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence: Trend:	: PVT? 841 Fair Natural/Native occ Presumed Extant	Map Index:	43590	<b>EO Index:</b> 43590	E	lement: Site:	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence: Trend:	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214	Map Index:	43590	EO Index: 43590	E	lement: Site:	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214) Solano 38.39556° / -121.8	Map Index: surrence 8/498B) 39709°	43590	<b>EO Index</b> : 43590	El Record Last U Township:	Jpdated:	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214) Solano 38.39556° / -121.8 Zone-10 N425028	Map Index: surrence 8/498B) 39709°	43590		El Record Last U Township: Range:	lement: Site: Jpdated: 06N 01E	2005-06-02 2005-08-22 2007-10-02
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius:	841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214: Solano 38.39556° / -121.8 Zone-10 N425028 80 meters	Map Index: surrence 8/498B) 39709°	43590	Mapping PrecisionSPECIFIC	El Record Last U Township: Range: Section:	lement: Site: Jpdated: 06N 01E 06	2005-06-02 2005-08-22
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214: Solano 38.39556° / -121.8 Zone-10 N425028 80 meters	Map Index: surrence 8/498B) 39709°	43590		El Record Last U Township: Range:	lement: Site: Jpdated: 06N 01E 06	2005-06-02 2005-08-22 2007-10-02
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214) Solano 38.39556° / -121.8 Zone-10 N425028 80 meters 70 ft	Map Index: aurrence 8/498B) 39709° 10 E596311		Mapping PrecisionSPECIFIC	El Record Last U Township: Range: Section: Meridian:	lement: Site: Jpdated: 06N 01E 06	2005-06-02 2005-08-22 2007-10-02
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214) : Solano 38.39556° / -121.8 Zone-10 N425028 80 meters 70 ft WEST SIDE OF LI	Map Index: aurrence 8/498B) 39709° 10 E596311 EWIS ROAD,	0.5 MILE SOU	Mapping PrecisionSPECIFIC Symbol Type:POINT	El Record Last U Township: Range: Section: Meridian: LE.	lement: Site: Jpdated: 06N 01E 06 M	2005-06-02 2005-08-22 2007-10-02 Qtr: XX
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	PVT? 841 Fair Natural/Native occ Presumed Extant Unknown Allendale (381214) : Solano 38.39556° / -121.8 Zone-10 N425028 80 meters 70 ft : WEST SIDE OF LI :NEST TREE WAS METERS.	Map Index: aurrence 8/498B) 39709° 10 E596311 EWIS ROAD, 1 LOCATED IN	0.5 MILE SOU	Mapping PrecisionSPECIFIC Symbol Type:POINT TH OF WEBER ROAD, 5.5 MILES NE OF VACAVILI	El Record Last U Township: Range: Section: Meridian: LE. 5% HEIGHT, TREE HE	lement: Site: Jpdated: 06N 01E 06 M	2005-06-02 2005-08-22 2007-10-02 Qtr: XX

					- · ·	C19070		
Federal: None	us ———		NDDB Eleme Global: G			er Lists		
State: Threate	ned		State: S2		L.	DFG Stat	us:	
Habitat As			oluic. of					
		S WITH WITH SC		INIPER-SAGE FLATS, RIPA	RIAN AREAS SAVANN	NAHS & A		
				GRASSLANDS, OR ALFALF				
		STABLE I ORAC		GRAGGEANDO, OR ALI ALI	A OK GRAINTIELDO			ENT FOI DEATIONS.
Owner/Manager	: PVT							
Occurrence No	. 842	Map Index: 43	3591	EO Index: 43591			Dates La	st Seen
Occ Rank:	Fair					1	Element:	
-	Natural/Native occ	currence					Site:	2005-08-14
	Presumed Extant				Re	cord Last	Undated:	2005-09-15
Trena:	Unknown						opulicu.	2000 00 10
-	: Allendale (381214	l8/498B)						
County Summary								
-	38.39736º / -121.9				Те	ownship:		
	Zone-10 N425047 80 meters	0 E595436	м	apping PrecisionSPECIFIC		Range: Section:		Qtr: NW
Elevation			141	Symbol Type:POINT		Meridian:		GU. 100
Location Detai Ecological	I:NEST TREE IS TH NEST TREE IS A THE EAST ACRO	HE EASTERNMO EUCALYPTUS V SS THE ROAD.	DST EUCALYPTUS, WIT	ILKENNY ROAD, 5 MILES N TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001, 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1	THE SOUT	TH AND EA	AST, AND WEEDS TO
Location Detai Ecological	I:NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED.	HE EASTERNMO EUCALYPTUS V SS THE ROAD.	DST EUCALYPTUS, WIT	TH NEST AT 90-95% HEIGH	T, LOCATED JUST SW ED BY PASTURE TO 1	THE SOUT	TH AND EA	AST, AND WEEDS TO
Location Detai Ecological General:	: NEST TREE IS TH NEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. : PVT	HE EASTERNMC EUCALYPTUS V ISS THE ROAD. DOO. ACTIVE, BU	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND	T, LOCATED JUST SW ED BY PASTURE TO 1	THE SOUT	TH AND EA	AST, AND WEEDS TO AR-14 AUG 2005;
Location Detai Ecological General: Owner/Manager	: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843	HE EASTERNMO EUCALYPTUS V SS THE ROAD.	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1	THE SOUT	TH AND EARED 12 M	AST, AND WEEDS TO AR-14 AUG 2005;
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank:	: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843	HE EASTERNMO EUCALYPTUS V SS THE ROAD. DOO. ACTIVE, BU Map Index: 43	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1	THE SOUT	TH AND EARED 12 M. Dates La: Element:	AST, AND WEEDS TO AR-14 AUG 2005; st Seen
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I:NEST TREE IS TH I:NEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. I:PVT 843 Good Natural/Native occ Presumed Extant	HE EASTERNMO EUCALYPTUS V SS THE ROAD. DOO. ACTIVE, BU Map Index: 43	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE	THE SOUT	TH AND EA RED 12 M. Dates La Element: Site:	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I:NEST TREE IS TH I:NEST TREE IS A THE EAST ACRO I FLEDGED IN 20 UNOCCUPIED. I PVT 843 Good Natural/Native occ	HE EASTERNMO EUCALYPTUS V SS THE ROAD. DOO. ACTIVE, BU Map Index: 43	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE	THE SOUT	TH AND EA RED 12 M. Dates La Element: Site:	AR-14 AUG 2005; st Seen 2002-07-24
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	INEST TREE IS TH NEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. PVT 843 Good Natural/Native occ Presumed Extant Unknown Allendale (381214	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE	THE SOUT	TH AND EA RED 12 M. Dates La Element: Site:	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	INEST TREE IS TH NEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. PVT 843 Good Natural/Native occ Presumed Extant Unknown Allendale (381214	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE	THE SOUT	TH AND EA RED 12 M. Dates La Element: Site:	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	ENEST TREE IS TH INEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. PVT 843 Good Natural/Native occ Presumed Extant Unknown 2 Allendale (381214 2 Solano 3 8.49887° / -121.8	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence 18/498B) 19230°	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE <b>Re</b>	THE SOUT	TH AND E/ RED 12 M Dates La Element: Site: Updated:	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843 Good Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.49887° / -121.8 Zone-10 N426174	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence 18/498B) 19230°	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592	T, LOCATED JUST SW ED BY PASTURE TO T AND 2004. NEST SITE Re	THE SOUT	TH AND E/ RED 12 M Dates La Element: Site: Updated: 08N 01E	AR-14 AUG 2005; ar-14 AUG 2005; st Seen 2002-07-24 2005-08-12 2005-09-15
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	I: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843 Good Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.49887° / -121.8 Zone-10 N426174 80 meters	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence 18/498B) 19230°	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592	T, LOCATED JUST SW ED BY PASTURE TO T AND 2004. NEST SITE Re	THE SOUT	TH AND E/ RED 12 M Dates La Element: Site: Updated: 08N 01E 32	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I:NEST TREE IS TH I:NEST TREE IS A THE EAST ACRO 1 FLEDGED IN 20 UNOCCUPIED. I:PVT 843 Good Natural/Native occ Presumed Extant Unknown I: Allendale (381214 I: Solano I: 38.49887° / -121.8 Zone-10 N426174 80 meters I: 100 ft	HE EASTERNMC EUCALYPTUS V SS THE ROAD. DOO. ACTIVE, BU Map Index: 43 currence 18/498B) 19230° 192596591	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592 Iapping PrecisionSPECIFIC Symbol Type:POINT	T, LOCATED JUST SW ED BY PASTURE TO 1 AND 2004. NEST SITE Re To	THE SOUT	TH AND E/ RED 12 M Dates La Element: Site: Updated: 08N 01E 32	AR-14 AUG 2005; ar-14 AUG 2005; st Seen 2002-07-24 2005-08-12 2005-09-15
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I: NEST TREE IS TH I: NEST TREE IS A THE EAST ACRO I FLEDGED IN 20 UNOCCUPIED. I: PVT 843 Good Natural/Native occ Presumed Extant Unknown I: Allendale (381214 I: Solano 38.49887° / -121.8 Zone-10 N426174 80 meters I: 100 ft I: NORTH OF THE E	HE EASTERNMC EUCALYPTUS V SS THE ROAD. DOO. ACTIVE, BU Map Index: 43 Surrence 18/498B) 19 E596591 EAST END OF G	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592 M ARNETT LANE, 0.6 MIL	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592 Iapping PrecisionSPECIFIC Symbol Type:POINT LE NORTH OF SIEVERS RC	T, LOCATED JUST SW ED BY PASTURE TO T AND 2004. NEST SITE Re Ta AD, 5 MILES NW OF D	THE SOUT	TH AND EAR AND	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12 2005-09-15 Qtr: XX
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843 Good Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.49887° / -121.8 Zone-10 N426174 80 meters : 100 ft : NORTH OF THE E I: 2000-2002 NEST	HE EASTERNMC EUCALYPTUS V ISS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence 18/498B) 19 E596591 EAST END OF G TREE WAS LOC	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592 M ARNETT LANE, 0.6 MIL	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592 Iapping PrecisionSPECIFIC Symbol Type:POINT	T, LOCATED JUST SW ED BY PASTURE TO T AND 2004. NEST SITE Re Ta AD, 5 MILES NW OF D	THE SOUT	TH AND EAR AND	AR-14 AUG 2005; AR-14 AUG 2005; st Seen 2002-07-24 2005-08-12 2005-09-15 Qtr: XX
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	I: NEST TREE IS TH : NEST TREE IS A THE EAST ACRO : 1 FLEDGED IN 20 UNOCCUPIED. : PVT : 843 Good Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.49887° / -121.8 Zone-10 N426174 80 meters : 100 ft : NORTH OF THE E : 2000-2002 NEST LOCATED AT THI : NEST TREE WAS	HE EASTERNMC EUCALYPTUS V SS THE ROAD. D00. ACTIVE, BU Map Index: 43 currence 18/498B) 19 E596591 EAST END OF G TREE WAS LOC E 80% HEIGHT ( S A SLENDER LC	DST EUCALYPTUS, WIT VITHIN A LARGE GROV T UNSUCCESSFUL, IN 3592 ARNETT LANE, 0.6 MIL ATED IN A FARMSTEA DF THE NEST TREE. DCUST (SOUTHWESTE	TH NEST AT 90-95% HEIGH VE OF TREES; SURROUND I 2001. 1 FLEDGED IN 2002 EO Index: 43592 Iapping PrecisionSPECIFIC Symbol Type:POINT LE NORTH OF SIEVERS RC	T, LOCATED JUST SW ED BY PASTURE TO T AND 2004. NEST SITE Re Re To AD, 5 MILES NW OF E THE ROAD, JUST WE	THE SOUT E MONITO Cord Last Range: Section: Meridian: DIXON EST OF TH Y CULTIVA	TH AND E/ RED 12 M Dates La Element: Site: Updated: Updated: 32 M HE DRIVEN	AR-14 AUG 2005; ar-14 AUG 2005; st Seen 2002-07-24 2005-08-12 2005-09-15 Qtr: XX WAY. NEST WAS D IN ALL DIRECTION

Swainson's hawk	us	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater	ned	Global: G5 State: S2	CDFG Stat	us:
Habitat As				
	S IN GRASSLANDS WITH WITH SCATTERI RES ADJACENT SUITABLE FORAGING AR			
Occurrence No.	. 844 Map Index: 43593	EO Index: 435	93 —	Dates Last Seen
Occ Rank: Origin:	Excellent Natural/Native occurrence		I	Element: 2004-04-23 Site: 2004-07-18
	Presumed Extant Unknown		Record Last	Updated: 2005-11-09
Quad Summary: County Summary	: Dixon (3812147/498A)			
	38.38395º/-121.82181º		Township:	06N
-	Zone-10 N4249073 E602901		Range:	
Area: Elevation:	7.2 acres	Mapping PrecisionSl Symbol Type:P0		
		, ,,		
	: EAST SIDE OF HIGHWAY 113, 0.5 MILE S I:2000 NEST TREE LOCATED ON EAST SH			NEST WAS AT THE 95% HEIGH
	OF EASTMOST TREE (NORTH ROW). 20			
-	I: NEST TREE WAS A LOCUST; SURROUN : NEST ACTIVE IN 2000; 3 FLEDGED. NES			
General:	INCUBATING IN MAR-APR (OUTCOME U			
Owner/Manager	: PVT			
Occurrence No.	. 845 Map Index: 43594	EO Index: 435	94	Dates Last Seen
Occ Rank:			1	Element: 2001-08-02
	Natural/Native occurrence			Site: 2005-08-05
	Unknown		Record Last	Updated: 2005-11-09
Quad Summary:	: Dixon (3812147/498A)			
County Summary	: Solano			
Lat/Long:	38.43251º/-121.87162º		Township:	07N
	Zone-10 N4254407 E598485 80 meters	Mapping PrecisionS	Range:	
Elevation:		Symbol Type:P		
Location	: MCCUNE CREEK, 0.2 MILE SOUTH OF I-	80. 2 MILES SW OF DIXON		
	I: THE BEST VIEW OF THIS SITE IS FROM WAS TO THE NORTH OF THE 2001 NEST	THE SOUTH SHOULDER OF I-80,	BUT THIS IS FORBIDDEN BY CHP WITH	HOUT A PERMIT. 2000 NEST TF
Ecological	: NEST TREE IS AN ISOLATED RIPARIAN THE NE, SE, AND SW.		ING HABITAT INCLUDES ALFALFA TO	THE NW AND ROW CROPS TO
General:	NEST ACTIVE IN 2000; 1 YOUNG FLEDG	ED. NEST ACTIVE IN 2001; 1 FLEE	GED. SITE POORLY OBSERVED IN 200	02 AND 2004. NEST SITE
Owner/Manager				
Occurrence No.	. 846 Map Index: 43595	EO Index: 435		Dates Last Seen
Occ Rank:	Good Natural/Native occurrence		I	Element: 2000-06-07 Site: 2005-08-04
Presence:	Presumed Extant		Record Last	Updated: 2005-11-09
	Unknown			
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano			
Lat/Long:	38.41405°/-121.79476°		Township:	
	Zone-10 N4252444 E605220	Manning Provident	Range:	
		Mapping PrecisionSi Symbol Type:P		
UTM: Radius: Elevation:	40 ft			
Radius: Elevation: Location	: 0.2 MILE SOUTH OF MIDWAY ROAD, 0.5	MILE EAST OF PEDRICK ROAD, 2		
Radius: Elevation: Location Location Detail		MILE EAST OF PEDRICK ROAD, 2 FOUND CLOSE TO THE HOUSE; 2	2000 NEST WAS AT THE 85% HEIGHT, N	

			ement Code: ABNKC19070
Federal: None	us —	NDDB Element Ranks Global: G5	CDEC Status
State: Threater	ned	State: S2	CDFG Status:
	ssociations —		
		ED TREES UNIVER-SAGE ELATS RIPARIA	N AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
			OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
Occurrence No.	. 847 Map Index: 43599	EO Index: 43599	Dates Last Seen
Occ Rank:			Element: 2004-06-18
-	Natural/Native occurrence		<b>Site:</b> 2005-04-18
	Extirpated Unknown		Record Last Updated: 2005-11-09
-	: Dixon (3812147/498A)		
County Summary	: Solano		
	38.46017°/-121.83891°		Township: 07N
	Zone-10 N4257512 E601301 80 meters	Mapping PrecisionSPECIFIC	Range: 01E Section: 14 Qtr: NW
Elevation:		Symbol Type:POINT	Meridian: M
Location	: NORTH OF NORTH LINCOLN STREET, J		
			NG FROM NEAR I-80 TOWARD NORTH LINCOLN.
		ROUNDED BY WEED FIELDS ON BOTH SIDES	
-	THREATENED BY DEVELOPMENT.		-
General.		NONE FLEDGED. ALL TREES FOUND AT TH	EST ACTIVE IN 2001; NONE FLEDGED. NEST ACTIVE IN 200 IIS SITE WERE GONE BY 18 APR 2005.
Owner/Manager	: PVT		
Occurrence No.	. 848 Map Index: 43600	EO Index: 43600	Dates Last Seen
Occ Rank:	•		Element: 2001-07-19
	Natural/Native occurrence		Site: 2005-07-07
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-11-09
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano		
Lat/Long:	38.46183º/-121.85852º		Township: 07N
UTM:	Zone-10 N4257675 E599588		Range: 01E
	80 meters	Mapping PrecisionSPECIFIC	Section: 10 Qtr: SW
Elevation:	: 80 ft	Symbol Type:POINT	Meridian: M
Location	: JUST NE OF THE INTERSECTION OF SC	HROEDER ROAD AND SILVEYVILLE ROAD,	1.5 MILES NW OF DIXON
Location Detail		THAT BIRDS NESTED AT THIS SITE IN 1998 A ARD SILVEYVILLE ROAD; THE FIRST LARGE	AND 1999. NEST TREE WAS LOCATED AT THE NORTH ED TREE EAST OF THE BOUNDARY FENCE
Ecological	: NEST TREE WAS A LARGE BLACK WAL	NUT; SURROUNDED BY CORN TO THE NOR	THE EAST OF THE BOONDART FENDE. TH AND ORCHARDS TO THE SOUTH, WEST, AND SW. THE
	APPEARS TO BE NO NEARBY FORAGIN		
	NECT ACTIVE IN 2000, 2 ELEDOED NEC	T ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE	E IN 2002; 1 FLEDGED. INACTIVE IN 2002, 2004, AND 2005.
General:	NEST ACTIVE IN 2000; 3 FLEDGED. NES		
General: Owner/Manager:			
	: PVT	EO Index: 43602	Dates Last Seen
Owner/Manager:	: PVT . 849 <b>Map Index:</b> 43602	EO Index: 43602	Dates Last Seen Element: 2005-09-08
Owner/Manager Occurrence No. Occ Rank:	: PVT . 849 <b>Map Index:</b> 43602	EO Index: 43602	
Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	: PVT . 849 Map Index: 43602 . Excellent : Natural/Native occurrence : Presumed Extant	EO Index: 43602	Element:         2005-09-08           Site:         2005-09-08
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	: PVT . 849 Map Index: 43602 Excellent Natural/Native occurrence Presumed Extant Unknown	EO Index: 43602	Element: 2005-09-08
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	: PVT . 849 Map Index: 43602 Excellent : Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A)	EO Index: 43602	Element:         2005-09-08           Site:         2005-09-08
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	: PVT . 849 Map Index: 43602 . Excellent . Natural/Native occurrence . Presumed Extant Unknown : Dixon (3812147/498A) : Solano	EO Index: 43602	Element:         2005-09-08           Site:         2005-09-08           Record Last Updated:         2005-11-09
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: PVT . 849 Map Index: 43602 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615°	EO Index: 43602	Element: 2005-09-08 Site: 2005-09-08 Record Last Updated: 2005-11-09 Township: 08N
Owner/Manager	: PVT . 849 Map Index: 43602 . Excellent . Natural/Native occurrence . Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883		Element: 2005-09-08 Site: 2005-09-08 Record Last Updated: 2005-11-09 Township: 08N Range: 01E
Owner/Manager	: PVT . 849 <b>Map Index:</b> 43602 . Excellent : Natural/Native occurrence : Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883 80 meters	EO Index: 43602 Mapping PrecisionSPECIFIC Symbol Type:POINT	Element: 2005-09-08 Site: 2005-09-08 Record Last Updated: 2005-11-09 Township: 08N
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: PVT . 849 Map Index: 43602 . Excellent : Natural/Native occurrence : Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883 : 80 meters : 88 ft	Mapping PrecisionSPECIFIC	Element:         2005-09-08           Site:         2005-09-08           Record Last Updated:         2005-11-09           Township:         08N           Range:         01E           Section:         33         Qtr: NE           Meridian:         M
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: PVT . 849 Map Index: 43602 . Excellent : Natural/Native occurrence : Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883 : 80 meters : 88 ft : ALONG SIEVERS ROAD, 0.6 MILE WEST	Mapping PrecisionSPECIFIC Symbol Type:POINT OF STEVENSON BRIDGE ROAD, 2.5 MILES I	Element:         2005-09-08           Site:         2005-09-08           Record Last Updated:         2005-11-09           Township:         08N           Range:         01E           Section:         33         Qtr: NE           Meridian:         M
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: PVT . 849 Map Index: 43602 . Excellent . Natural/Native occurrence . Presumed Extant Unknown : Dixon (3812147/498A) :: Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883 . 80 meters : 88 ft : ALONG SIEVERS ROAD, 0.6 MILE WEST I: 2000 NEST TREE WAS EASTERNMOST	Mapping PrecisionSPECIFIC Symbol Type:POINT OF STEVENSON BRIDGE ROAD, 2.5 MILES I TREE ON SOUTH SHOULDER; NEST LOCATE	Element:         2005-09-08           Site:         2005-09-08           Record Last Updated:         2005-11-09           Township:         08N           Range:         01E           Section:         33         Qtr: NE           Meridian:         M
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	: PVT . 849 Map Index: 43602 . Excellent : Natural/Native occurrence : Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.48985° / -121.86615° Zone-10 N4260776 E598883 : 80 meters : 88 ft : ALONG SIEVERS ROAD, 0.6 MILE WEST I: 2000 NEST TREE WAS EASTERNMOST OF SIEVERS RD. 2002 NEST WAS AGAIN SHOULDER.	Mapping PrecisionSPECIFIC Symbol Type:POINT OF STEVENSON BRIDGE ROAD, 2.5 MILES I TREE ON SOUTH SHOULDER; NEST LOCATE	Element: 2005-09-08 Site: 2005-09-08 Record Last Updated: 2005-11-09 Township: 08N Range: 01E Section: 33 Qtr: NE Meridian: M NW OF DIXON ED NEAR TREE TOP. 2001 NEST TREE ON NORTH SHOUL TH SHOULDER TREES WERE GONE, NEST ON NORTH

Swainson's hawk					lement Code: ABNKC19070		
Federal: None State: Threater			NDDB Elemen     Global: G5     State: S2	t Ranks	CDFG Sta	itus:	
General: BREED				IPER-SAGE FLATS, RIPARIA RASSLANDS, OR ALFALFA			
Owner/Manager	SOL COUNTY						
Presence:			603	EO Index: 43603	Record Las	Site:	st Seen 2005-07-24 2005-07-24 2005-11-09
Quad Summary: County Summary	Dixon (3812147/4 : Solano	98A)					
UTM:	38.40051° / -121. Zone-10 N42509 80 meters 45 ft		Мај	oping PrecisionSPECIFIC Symbol Type:POINT	Township Range: Section Meridian	01E 02	Qtr: \W
	2000-2002 NEST DURING THE 200 NEST TREE WAS	TREE WAS WITH	HN AN EAST-WEST RO / 2004-2005 NEST TREE	WAY ROAD, 3 MILES SOUT W OF PINES ON THE SOUTH :: 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA	S AT THE 9	5% HEIGHT.
Ecological General:	2000-2002 NEST DURING THE 20 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 2	TREE WAS WITH 00 SEASON. NEW 3 A LONE BLACK 2000; 1 FLEDGE	IIN AN EAST-WEST RO' / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER	W OF PINES ON THE SOUTH 2004 NEST AT 85% HEIGH	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA IY ALFALFA TO THE NW AN	S AT THE 9 D SW, AND	5% HEIGHT. TOMATOES TO THE
Ecological	2000-2002 NEST DURING THE 20 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 2	TREE WAS WITH 00 SEASON. NEW 3 A LONE BLACK 2000; 1 FLEDGE	IIN AN EAST-WEST RO' / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER	W OF PINES ON THE SOUTH 2: 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2: VED IN 2001; NONE FLEDG	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA IY ALFALFA TO THE NW AN	S AT THE 9 D SW, AND	5% HEIGHT. TOMATOES TO THE
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	2000-2002 NEST DURING THE 200 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 20 CALTRANS 851	TREE WAS WITH 00 SEASON. NEW S A LONE BLACK 2000; 1 FLEDGE 004; OUTCOME L Map Index: 43 currence	IIN AN EAST-WEST RO / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER INKNOWN. NEST ACTIV	W OF PINES ON THE SOUTH 2: 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2: VED IN 2001; NONE FLEDG	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA: Y ALFALFA TO THE NW AN ED. NEST ACTIVE IN 2002;	S AT THE 9 D SW, AND 1 FLEDGED - Dates La Element: Site:	5% HEIGHT. TOMATOES TO THE D. INCUBATION
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	2000-2002 NEST DURING THE 200 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 20 CALTRANS 851 Good Natural/Native oc Presumed Extant Unknown Dixon (3812147/4	TREE WAS WITH 00 SEASON. NEW S A LONE BLACK 2000; 1 FLEDGE 004; OUTCOME L Map Index: 43 currence	IIN AN EAST-WEST RO / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER INKNOWN. NEST ACTIV	W OF PINES ON THE SOUTH 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2005; NONE FLEDG /E IN 2005; 2 FLEDGED.	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA: Y ALFALFA TO THE NW AN ED. NEST ACTIVE IN 2002;	S AT THE 9 D SW, AND 1 FLEDGED - Dates La Element: Site:	5% HEIGHT. TOMATOES TO THE D. INCUBATION st Seen 2005-07-16 2005-07-16
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	2000-2002 NEST DURING THE 200 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 2 CALTRANS 851 Good Natural/Native oc Presumed Extant Unknown Dixon (3812147/4 : Solano 38.47119°/ -121. Zone-10 N42587 6.6 acres	TREE WAS WITH 00 SEASON. NEW S A LONE BLACK 2000; 1 FLEDGE 004; OUTCOME L Map Index: 43 currence 198A) 80329°	IIN AN EAST-WEST RO / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER INKNOWN. NEST ACTIV	W OF PINES ON THE SOUTH 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2005; NONE FLEDG /E IN 2005; 2 FLEDGED.	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WA: Y ALFALFA TO THE NW AN ED. NEST ACTIVE IN 2002;	S AT THE 9 D SW, AND 1 FLEDGED - Dates La Element: Site: st Updated: : 07N 02E : 07	5% HEIGHT. TOMATOES TO THE D. INCUBATION st Seen 2005-07-16 2005-07-16
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	2000-2002 NEST DURING THE 200 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 2 CALTRANS 851 Good Natural/Native oc Presumed Extant Unknown Dixon (3812147/4 : Solano 38.47119°/-121. Zone-10 N42587 6.6 acres 55 ft : EAST SIDE OF P :2001 NEST TREE	TREE WAS WITH 00 SEASON. NEW S A LONE BLACK 2000; 1 FLEDGE 004; OUTCOME L Map Index: 43 currence 198A) 80329° 75 E604393 EDRICK ROAD, 0 EI S A LOCUST TH	IIN AN EAST-WEST RO / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER INKNOWN. NEST ACTIV 606 006 01 MILE NORTH OF THE REE, AT FARMSTEAD B	W OF PINES ON THE SOUTH 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2005; 2 FLEDGED. EO Index: 43606	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WAS Y ALFALFA TO THE NW AN ED. NEST ACTIVE IN 2002; Record Las Township Range: Section Meridian H OF VAUGHN ROAD, 1.5 MI	S AT THE 9 D SW, AND 1 FLEDGED 1 FLEDGED - Dates La Element: Site: st Updated: : 07N 02E : 07 : M LES NE OF NEST TREE	5% HEIGHT. TOMATOES TO THE D. INCUBATION st Seen 2005-07-16 2005-07-16 2005-11-09 Qtr: SW DIXON WAS A LOCUST IN I
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	2000-2002 NEST DURING THE 200 NEST TREE WAS AND SE. NEST ACTIVE IN OBSERVED IN 20 CALTRANS 851 Good Natural/Native oc Presumed Extant Unknown Dixon (3812147/4 Solano 38.47119° / -121. Zone-10 N42587 6.6 acres 55 ft EAST SIDE OF P 2001 NEST TREE PART OF FARMS	TREE WAS WITH 00 SEASON. NEW S A LONE BLACK 2000; 1 FLEDGE 004; OUTCOME L Map Index: 43 currence 198A) 80329° 75 E604393 EDRICK ROAD, 0 EI S A LOCUST TI STEAD; 2000 NES BLACK WALNUT	IIN AN EAST-WEST RO' / 2004-2005 NEST TREE WALNUT SOUTH OF TH D. INCUBATION OBSER /NKNOWN. NEST ACTIV 606 606 0.1 MILE NORTH OF THE REE, AT FARMSTEAD B TWAS AT 85% HEIGHT ; SURROUNDED BY CU	W OF PINES ON THE SOUTH 2004 NEST AT 85% HEIGH HE PINES; SURROUNDED B 2005; 2 FLEDGED. EO Index: 43606 pping PrecisionSPECIFIC Symbol Type:POLYGON E RAILROAD TRACK NORTH ETWEEN PEDRICK ROAD &	H EDGE OF A DIRT FIELD R IT AND THE 2005 NEST WAS IY ALFALFA TO THE NW AN IED. NEST ACTIVE IN 2002; Record Las Record Las Section Meridian I OF VAUGHN ROAD, 1.5 MI INEST TREE WAS A BLACK DRTH, WEST, AND EAST, A	S AT THE 9 D SW, AND 1 FLEDGED 1 FLEDGED - Dates La Element: Site:	5% HEIGHT. TOMATOES TO THE D. INCUBATION st Seen 2005-07-16 2005-07-16 2005-11-09 Qtr: SW Qtr: SW DIXON WAS A LOCUST IN I SEHIND HOUSE. ISTEAD TO THE SOU

Swainson's hawk		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None	15	Global: G5	CDFG St	atus:	
State: Threater	ned	State: S2			
Habitat As	sociations —				
General: BREED	S IN GRASSLANDS WITH WITH	SCATTERED TREES, JUNIPER-SAGE F	LATS, RIPARIAN AREAS, SAVANNAHS, &	AGRICULT	URAL OR RANCH
Micro: REQUIF	ES ADJACENT SUITABLE FOR	GING AREAS SUCH AS GRASSLANDS,	OR ALFALFA OR GRAIN FIELDS SUPPO	RTING ROD	DENT POPULATIONS
Occurrence No.	. 852 Map Index:	43612 EO Index:	43612	<ul> <li>Dates La</li> </ul>	ast Seen
Occ Rank:	•		10012		2005-08-24
	Natural/Native occurrence			Site:	2005-08-24
	Presumed Extant		- ···		0005 44 00
Trend:	Unknown		Record La	st Updated:	: 2005-11-09
-	: Dixon (3812147/498A)				
County Summary					
-	38.40587°/-121.86064°		Townshi		
	Zone-10 N4251463 E599480 80 meters	Mapping Precisio	-	: 01E	Qtr: SE
Elevation:		Symbol Typ			QUI. DE
		ROAD TRACK CROSSING, 2.5 MILES SW			
Ecological			N A BLACK WALNUT ON THE OPPOSITE 5, RUDERAL, AND HOUSING TO NE; CUL		
General			1 FLEDGED. NEST ACTIVE IN 2001; 1 FLE		
Constan.			. NEST ACTIVE IN 2005 (HIDDEN AGAIN)		
Owner/Manager	: PVT				
0 N	050 Mars Indexe	42644 <b>50</b> Index	42044	- Dotoo Lo	ast Seen
Occurrence No.	•	43614 EO Index:	43014		2005-08-20
Occ Rank:	Natural/Native occurrence				2005-08-20
•	Presumed Extant			one.	2000 00 20
	Unknown		Record La	st Updated:	: 2005-11-09
Quad Summarv	: Dixon (3812147/498A)				
County Summary					
Lat/Long:	38.44970º / -121.80495º		Townshi	a: 07N	
-	Zone-10 N4256389 E604279		-	: 01E	
Area:	6.6 acres	Mapping Precisio	onSPECIFIC Section	<b>1:</b> 13	Qtr: SE
Elevation:	60 ft	Symbol Typ	e:POLYGON Meridiar	1: M	
Location	WEST SIDE OF PEDRICK ROA	D, 0.3 MILE NORTH OF DIXON AVENUE	EAST, JUST EAST OF DIXON		
Location Detail			WEST EDGE OF THE SOUTH GROUNDS		
Ecological			ERAL, AND CULTIVATED LAND TO THE E		
20010 3.044	ACROSS THE ROAD.				
General:			0. NEST ACTIVE IN 2002; 1 FLEDGED. NE		
		UNE UNKNOWN). ADULT SEEN FREQU	IENTLY IN 2005 (PRESUMED ACTIVE); OU	JICOME UN	NRINOWIN.
Owner/Manager	PVT				
Occurrence No.	. 854 Map Index:	43617 EO Index:	43617	<ul> <li>Dates La</li> </ul>	ast Seen
Occ Rank:	Excellent			Element:	2002-08-01
Origin:	Natural/Native occurrence			Site:	2005-09-08
-	Presumed Extant		Depart La	et I Indated	: 2005-11-09
	Unknown				. 2003-11-08
Trend:					
Trend:	: Dixon (3812147/498A)				
Trend:	,				
Trend: Quad Summary: County Summary	,		Townshi	): 07N	
Trend: Quad Summary: County Summary Lat/Long: UTM:	: Solano 38.48934º / -121.87137º Zone-10 N4260714 E598430		Range	: 01E	
Trend: Quad Summary: County Summary Lat/Long: UTM: Radius:	: Solano 38.48934º / -121.87137º Zone-10 N4260714 E598430 80 meters	Mapping Precisio	nSPECIFIC Section	: 01E n: 04	Qtr: NW
Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	: Solano 38.48934º / -121.87137º Zone-10 N4260714 E598430 80 meters 90 ft	Symbol Typ	Range onSPECIFIC Section e:POINT Meridian	: 01E n: 04	Qtr: NW
Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano 38.48934º / -121.87137º Zone-10 N4260714 E598430 80 meters 90 ft : SOUTH SIDE OF SIEVERS ROA	Symbol Typ AD, 0.9 MILE WEST OF STEVENSON BRI	Range onSPECIFIC Section re:POINT Meridian IDGE ROAD, 3 MILES NW OF DIXON	n: 01E n: 04 n: M	
Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano 38.48934°/-121.87137° Zone-10 N4260714 E598430 80 meters 90 ft : SOUTH SIDE OF SIEVERS RO/ :2000 NEST TREE WAS THE SE	Symbol Typ AD, 0.9 MILE WEST OF STEVENSON BRI COND TREE WEST OF THE MAILBOX F	Range onSPECIFIC Section e:POINT Meridian	: 01E n: 04 n: M D AT 85% H	IEIGHT OF THE TRE
Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	: Solano : Solano : 38.48934° / -121.87137° Zone-10 N4260714 E598430 80 meters : 90 ft : SOUTH SIDE OF SIEVERS ROA : 2000 NEST TREE WAS THE SE ON THE NE SIDE, DIRECTLY O	Symbol Typ AD, 0.9 MILE WEST OF STEVENSON BRI COND TREE WEST OF THE MAILBOX F IVER THE SOUTH ROAD SHOULDER. PO	Ange Anspecific Section Meridian IDGE ROAD, 3 MILES NW OF DIXON OR 5914 SIEVERS ROAD; NEST LOCATE	2: 01E 2: 04 2: M D AT 85% H DAD SHOUL	IEIGHT OF THE TRE DER IN 2002.

Owner/Manager: SOL COUNTY

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

Presence:		Map Index:	43623	EO Index: 43623		Site:	2000-08-20 2005-08-03
	: Allendale (3812148	3/498B)					
Lat/Long: UTM:	38.38022º / -121.90 Zone-10 N4248566 80 meters			Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: Range: Section: Meridian:	01E 07	Qtr: SW
	I:NEST TREE IS LO	CATED ABO	UT 0.1 MILE WEST	OF KILKENNY ROAD, 5 MILES SW OF DI> OF THE ROAD, AT THE REAR OF THE F IN FOLIAGE AT THE 80% HEIGHT OF THI	ARMSTEAD. ALTHOUGH	H NEST WA	AS NOT VISIBLE, ADULT
-	1 FLEDGED IN 200			IDED BY MIXED AGRICULTURE. VED IN 2001; UNOCCUPIED IN 2002, 200	4, AND 2005.		
Presence:		Map Index:	43628	EO Index: 43628	Record Last	Site:	2000-71-6 2001-04-03
Occ Rank: Origin: Presence: Trend:	None Natural/Native occu Extirpated Decreasing Elmira (3812138/49	urrence	43628	EO Index: 43628		Element: Site:	2000-71-6 2001-04-03
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	None Natural/Native occu Extirpated Decreasing : Elmira (3812138/49 : Solano : 38.31838° / -121.90 Zone-10 N4241711 80 meters	Jirrence 28C) 0173º	43628	EO Index: 43628 Mapping PrecisionSPECIFIC Symbol Type:POINT		Element: Site: Updated: 06N 01E 31	2000-71-6 2001-04-03
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	None Natural/Native occu Extirpated Decreasing Elmira (3812138/49 Solano 38.31838° / -121.90 Zone-10 N4241711 80 meters 60 ft : 0.2 MILE NORTH C	0173° E596007	D, 0.25 MILE WEST	Mapping PrecisionSPECIFIC	Record Last Township: Range: Section: Meridian: ELMIRA	Element: Site: Updated: 06N 01E 31 M	2000-71-6 2001-04-03 2002-03-07 Qtr: SE
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	None Natural/Native occu Extirpated Decreasing Elmira (3812138/49 Solano 38.31838° / -121.9 Zone-10 N4241711 80 meters 60 ft 0.2 MILE NORTH C INEST TREE IS TH NEST TREE IS TH NEST TREE.	DIT73° DIT73° I E596007 DF HAY ROAI E LARGEST EUCALYPTUS Y OBSERVE	D, 0.25 MILE WEST AND THE SOUTHE S; SURROUNDED F D FROM 10 MAY-1	Mapping PrecisionSPECIFIC Symbol Type:POINT T OF LEWIS ROAD, 2 MILES SOUTH OF E	Record Last Township: Range: Section: Section: Meridian: ELMIRA ALYPTUS TREES; NEST .FALFA TO THE WEST.	Element: Site: Updated: 06N 01E 31 M IS AT THE	2000-71-6 2001-04-03 2002-03-07 <b>Qtr:</b> SE 75% HEIGHT OF THE

Swainson's hawk			Element Code: ABNKC19070
Stat	us —	NDDB Element Ranks	Other Lists
Federal: None State: Threate	aad	Global: G5 State: S2	CDFG Status:
		State. 32	
			IPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANC FALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIO
MICIO: REQUI	LES ADJACENT SUITABLE FORAGING AF	LEAS SUCH AS GRASSLANDS, OR AL	ALFA OK GRAIN FIELDS SOFFOR TING RODENT FOFULATIO
Occurrence No	. 860 Map Index: 43629	EO Index: 43629	Dates Last Seen
Occ Rank:	•		Element: 2000-05-09
	Natural/Native occurrence		Site: 2005-07-24
Presence	Presumed Extant		
Trend:	Decreasing		Record Last Updated: 2007-06-26
Quad Summary	: Elmira (3812138/498C)		
County Summary	: Solano		
Lat/Long	38.34717º / -121.91056º		Township: 06N
	Zone-10 N4244897 E595198		Range: 01E
Radius:	80 meters	Mapping PrecisionSPEC	IFIC Section: 19 Qtr: SW
Elevation	70 ft	Symbol Type:POIN	Meridian: M
Location	ALONG WATER STREET, BETWEEN A S	TREET AND B STREET, ELMIRA.	
			OCATED ON THE NORTH SIDE, ABOUT 10 FEET FROM THE
-			D THE SOUTH AND THE TOWN OF ELMIRA TO THE NORTH.
General	NESTING ACTIVITY 28 APR-09 MAY 200 MAR-2 APR 2001; BIRDS SEEN, BUT NC		9 LATER VISITS, NO YOUNG FLEDGED. NEST SITE MONITO 4 (POORLY OBSERVED) AND 2005
o			
Owner/Manager	: PVI?		
Occurrence No	. 861 Map Index: 43630	EO Index: 43630	Dates Last Seen
Occurrence No Occ Rank:	•	EU maex: 43630	Element: 2004-07-24
	Natural/Native occurrence		Site: 2005-08-22
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2007-06-26
Quad Summary	: Elmira (3812138/498C)		
County Summary	, , ,		
-	38.37415° / -121.89884° Zone-10 N4247903 E596186		Township: 06N Range: 01E
	80 meters	Mapping PrecisionSPEC	-
Elevation	65 ft	Symbol Type:POIN	
Location			NORTH OF HAWKINS ROAD, 1.5 MILES NORTH OF ELMIRA
Location Detai	THE ROAD.	EUCALIPTUS, LOCATED WEST OF LE	WIS ROAD AND SW OF THE FARMSTEAD ON THE WEST SIE
Faclarias			RN) LIES BETWEEN THE NEST TREE AND THE ROAD. WHEA
Ecological	FIELDS LIE TO THE NW AND SW, AND A		NO LES DETAVELIN THE NEST IKEE AND THE ROAD. WHEA
Concret			AR-23 JUL 2001; 1 FLEDGED. NO NEST FOUND IN 2002. NES
General	MONITORED 21 MAR-24 JUL 2004; 1 FLI		
Owner/Manager			
Currentmandyer			
Occurrence No	. 863 Map Index: 43643	EO Index: 43643	Dates Last Seen
Occ Rank:	•		Element: 2000-07-23
-	Natural/Native occurrence		<b>Site:</b> 2004-06-18
Presence:	Presumed Extant		Record Last Updated: 2005-03-15
	Unknown		Necora Lasi opualea. 2003-03-15
Trend:	Divers (0040447(4004)		
Trend: Quad Summary	Dixon (3812147/498A)		
	· · · · ·		
Quad Summary County Summary	: Solano		Township: 07N
Quad Summary County Summary Lat/Long	· · · · ·		Township: 07N Range: 01E
Quad Summary County Summary Lat/Long UTM:	: Solano 38.43571º / -121.82296º	Mapping PrecisionSPEC	Range: 01E
Quad Summary County Summary Lat/Long UTM:	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters	Mapping PrecisionSPEC Symbol Type:POIN	Range:01EIFICSection:23Qtr: SE
Quad Summary County Summary Lat/Long UTM: Radius: Elevation	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft	Symbol Type:POIN	Range:     01E       IFIC     Section:     23     Qtr: SE       IF     Meridian:     M
Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft : WEST SIDE OF HIGHWAY 113, JUST SC	Symbol Type:POIN	Range:     01E       IFIC     Section:     23     Qtr: SE       F     Meridian:     M       DUTH EDGE OF DIXON
Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft : WEST SIDE OF HIGHWAY 113, JUST SC	Symbol Type:POIN UTH OF SILVEYVILLE CEMETERY, SO GE EUCALYPTUS, ON THE WEST SID	Range:     01E       IFIC     Section:     23     Qtr: SE       IF     Meridian:     M
Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft : WEST SIDE OF HIGHWAY 113, JUST SC I:NEST IS LOCATED HALFWAY UP A LAR OBSERVED IN THE AREA DURING 2000	Symbol Type:POIN UTH OF SILVEYVILLE CEMETERY, SO GE EUCALYPTUS, ON THE WEST SID	Range:       01E         IFIC       Section:       23       Qtr: SE         F       Meridian:       M         DUTH EDGE OF DIXON       E. 3-4 ADDITIONAL FLEDGLINGS FROM ADJACENT NESTS A
Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft : WEST SIDE OF HIGHWAY 113, JUST SC I:NEST IS LOCATED HALFWAY UP A LAR OBSERVED IN THE AREA DURING 2000	Symbol Type:POIN UTH OF SILVEYVILLE CEMETERY, SO GE EUCALYPTUS, ON THE WEST SIE UNDED BY A CEMETERY TO THE NW	Range:       01E         IFIC       Section:       23       Qtr: SE         F       Meridian:       M         DUTH EDGE OF DIXON       E. 3-4 ADDITIONAL FLEDGLINGS FROM ADJACENT NESTS A         , FUTURE CEMETERY TO THE WEST, A FARMSTEAD TO THI
Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Location Detai Ecological	: Solano 38.43571º / -121.82296º Zone-10 N4254816 E602728 80 meters 55 ft : WEST SIDE OF HIGHWAY 113, JUST SC : NEST IS LOCATED HALFWAY UP A LAR OBSERVED IN THE AREA DURING 2000 : NEST TREE IS A EUCALYPTUS; SURRC	Symbol Type:POIN UTH OF SILVEYVILLE CEMETERY, SO GE EUCALYPTUS, ON THE WEST SIE UNDED BY A CEMETERY TO THE NW IAL TO THE EAST, ACROSS THE ROA	Range: 01E         IFIC       Section: 23       Qtr: 3E         F       Meridian: M       M         DUTH EDGE OF DIXON       E. 3-4 ADDITIONAL FLEDGLINGS FROM ADJACENT NESTS A         , FUTURE CEMETERY TO THE WEST, A FARMSTEAD TO THI         D.

					Element	Code: ABNKC19070		
Star	tus ———		ND	DB Element Ranks —		Other Lists		
Federal: None				Global: G5		CDFG Stat	us:	
State: Threate	ened			State: S2				
Habitat A	ssociations —							
General: BREED	S IN GRASSLAN	IDS WITH WITH	I SCATTERED TI	REES, JUNIPER-SAGE F	LATS, RIPARIAN ARI	EAS, SAVANNAHS, & A	GRICULTI	JRAL OR RANCH
Micro: REQUI	RES ADJACENT	SUITABLE FOR	AGING AREAS	SUCH AS GRASSLANDS	, OR ALFALFA OR GF	RAIN FIELDS SUPPORT	FING ROD	ENT POPULATIO
Occurrence No	<b>b.</b> 865	Map Index:	43646	EO Index:	43646		Dates La	st Seen
Occ Rank	: Good	•					Element:	2000-08-02
Origin	: Natural/Native of	occurrence					Site:	2005-08-16
Presence	: Presumed Exta	nt						
Trend	: Unknown					Record Last	Updated:	2007-06-27
Quad Summary	: Dozier (381213	7/498D)						
County Summary	y: Solano							
Lat/Long	<b>:</b> 38.35331º/-12	1.82297º				Township:	06N	
	Zone-10 N4245	5672 E602844				Range:		
	: 80 meters			Mapping Precisi		Section:		Qtr: NW
Elevation	: 35 ft			Symbol Typ	DE:POINT	Meridian:	M	
Ecologica	AWAY FROM T I: NEST TREE W. SW.	RAFFIC. AS AN OSAGE IRED 4 MAR-2 A	ORANGE; SURF	DF ADULTS INDICATED I COUNDED BY ROW CRO DGED. INACTIVE IN 200	PS TO THE NE AND S	SE, AND ALFALFA ACR	OSS THE	ROADS TO THE
Ecologica General	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT (	RAFFIC. AS AN OSAGE IRED 4 MAR-2 A	ORANGE; SURF	OUNDED BY ROW CRO	PS TO THE NE AND S	SE, AND ALFALFA ACR	OSS THE	ROADS TO THE
Ecologica	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT (	RAFFIC. AS AN OSAGE IRED 4 MAR-2 A	ORANGE; SURF	OUNDED BY ROW CRO	PS TO THE NE AND S	SE, AND ALFALFA ACR	OSS THE : IN 2005; -	ROADS TO THE I
Ecologica General	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT	RAFFIC. AS AN OSAGE IRED 4 MAR-2 A	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	BE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La	ROADS TO THE I
Ecologica General Owner/Manage Occurrence No Occ Rank	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 : Fair	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index:	ORANGE; SURF AUG 2000; 1 FLE 5.	COUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	BE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La: Element:	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT ). 866 : Fair : Natural/Native of	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Doccurrence	ORANGE; SURF AUG 2000; 1 FLE 5.	COUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	BE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La: Element:	ROADS TO THE I
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT ). 866 I: Fair I: Natural/Native c I: Presumed Extal	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Doccurrence	ORANGE; SURF AUG 2000; 1 FLE 5.	COUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	SE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La Element: Site:	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT ). 866 : Fair : Natural/Native of	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Doccurrence	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	BE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La Element: Site:	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 I: Fair I: Natural/Native of I: Presumed Extant Unknown I: Dozier (381213)	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Decurrence nt	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	SE, AND ALFALFA ACR RESUMABLY INACTIVE	OSS THE IN 2005; Dates La Element: Site:	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 I: Fair I: Natural/Native of Presumed Extai Unknown T: Dozier (381213 y: Solano	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Deccurrence nt 7/498D)	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	SE, AND ALFALFA ACR RESUMABLY INACTIVE 	OSS THE IN 2005; Dates La Element: Site: Updated:	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 : Fair : Natural/Native of : Presumed Extail : Unknown I: Dozier (381213 y: Solano I: 38.29220° / -12	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Deccurrence nt 7/498D)	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO	PS TO THE NE AND \$ 1, 2002, AND 2004. PF	SE, AND ALFALFA ACR RESUMABLY INACTIVE  Record Last	OSS THE IN 2005; · Dates La Element: Site: Updated: 05N	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT 0. 866 I: Fair I: Natural/Native of Presumed Extail Unknown 7: Dozier (381213 y: Solano I: 38.29220 <sup>o</sup> / -12 Zone-10 N4238	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Deccurrence nt 7/498D)	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index:	PS TO THE NE AND \$ 1, 2002, AND 2004. Pf 43647	SE, AND ALFALFA ACR RESUMABLY INACTIVE  Record Last Township: Range:	OSS THE IN 2005; · Dates La Element: Site: Updated: 05N 01E	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2007-06-27
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT 0. 866 I: Fair I: Natural/Native ( I: Presumed Extail I: Unknown 1: Dozier (381213) 1: Solano 1: 38.29220° / -12 I: Zone-10 N4238 I: 80 meters	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Deccurrence nt 7/498D)	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index: Mapping Precisi	PS TO THE NE AND \$ 1, 2002, AND 2004. Pf 43647 onSPECIFIC	SE, AND ALFALFA ACR RESUMABLY INACTIVE —— Record Last Township: Range: Section:	OSS THE IN 2005; · Dates La Element: Site: Updated: 05N 01E 12	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2005-08-14
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT 0. 866 I: Fair I: Natural/Native ( I: Presumed Extail I: Unknown 1: Dozier (381213) 1: Solano 1: 38.29220° / -12 I: Zone-10 N4238 I: 80 meters	RAFFIC. AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: Deccurrence nt 7/498D)	ORANGE; SURF AUG 2000; 1 FLE 5.	OUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index:	PS TO THE NE AND \$ 1, 2002, AND 2004. Pf 43647 onSPECIFIC	SE, AND ALFALFA ACR RESUMABLY INACTIVE  Record Last Township: Range:	OSS THE IN 2005; · Dates La Element: Site: Updated: 05N 01E 12	ROADS TO THE I 1 ADULT SIGHTE st Seen 2005-08-14 2007-06-27
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 I: Fair I: Natural/Native of Presumed Extail Unknown I: Dozier (381213) J: Solano I: 38.29220° / -12 Zone-10 N4238 I: 80 meters I: 20 ft T: 0.2 MILE EAST	RAFFIC.           AS AN OSAGE           RED 4 MAR-2 A           ON 16 AUG 200           Map Index:           Doccurrence           nt           7/498D)           11.82086°           3893 E603114           OF HIGHWAY	ORANGE; SURF AUG 2000; 1 FLE 5. 43647 113, 0.3 MILE NO	COUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index: Mapping Precisi Symbol Tyj	PS TO THE NE AND S 1, 2002, AND 2004. PF 43647 onSPECIFIC be:POINT ST STRETCH OF HIG	SE, AND ALFALFA ACR RESUMABLY INACTIVE Record Last Township: Range: Section: Meridian: HWAY 113, 14.5 MILES	OSS THE IN 2005; Dates La Element: Site: Updated: 05N 01E 12 M SOUTH C	ROADS TO THE I 1 ADULT SIGHTE 2005-08-14 2007-06-27 Qtr: SW OF DIXON.
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 I: Fair I: Natural/Native of Presumed Extail Unknown I: Dozier (381213) J: Solano I: 38.29220° / -12 Zone-10 N4238 I: 80 meters I: 20 ft T: 0.2 MILE EAST	RAFFIC.           AS AN OSAGE           RED 4 MAR-2 A           ON 16 AUG 200           Map Index:           Doccurrence           nt           7/498D)           11.82086°           3893 E603114           OF HIGHWAY	ORANGE; SURF AUG 2000; 1 FLE 5. 43647 113, 0.3 MILE NO	OUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index: Mapping Precisi Symbol Typ	PS TO THE NE AND S 1, 2002, AND 2004. PF 43647 onSPECIFIC be:POINT ST STRETCH OF HIG	SE, AND ALFALFA ACR RESUMABLY INACTIVE Record Last Township: Range: Section: Meridian: HWAY 113, 14.5 MILES	OSS THE IN 2005; Dates La Element: Site: Updated: 05N 01E 12 M SOUTH C	ROADS TO THE I 1 ADULT SIGHTE 2005-08-14 2007-06-27 Qtr: SW OF DIXON.
Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	AWAY FROM T I: NEST TREE W. SW. I: NEST MONITO SINGLE VISIT ( r: PVT D. 866 I: Fair I: Natural/Native of Presumed Extail Unknown I: Dozier (381213 y: Solano I: 38.29220° / -12 Zone-10 N4238 I: 80 meters I: 20 ft D.2 MILE EAST II: NEST TREE (IN THE ROAD.	AS AN OSAGE AS AN OSAGE RED 4 MAR-2 A ON 16 AUG 200 Map Index: OCCURRENCE nt 7/498D) 1.82086° 3893 E603114 OF HIGHWAY NFERRED BY A A BLUE GUM E	ORANGE; SURF AUG 2000; 1 FLE 5. 43647 113, 0.3 MILE NO DULT BEHAVIOI	COUNDED BY ROW CRO DGED. INACTIVE IN 200 EO Index: Mapping Precisi Symbol Tyj	PS TO THE NE AND S 1, 2002, AND 2004. PF 43647 onSPECIFIC be:POINT ST STRETCH OF HIG ALYPTUS NORTH OF	RESUMABLY INACTIVE RESUMABLY INACTIVE Record Last Township: Range: Section: Meridian: HWAY 113, 14.5 MILES THE HOUSE OF THE I	OSS THE IN 2005; Dates La Element: Site: Updated: 05N 01E 12 M SOUTH C FARMSTE	ROADS TO THE I 1 ADULT SIGHTE 2005-08-14 2007-06-27 Qtr: SW OF DIXON. AD LOCATED EA

Swainson's hawk					nent Code: ABNKC19070		
Federal: None State: Threate			NDDB Elen Global: State:	G5	Other Lists CDFG Sta	tus:	
	ssociations ——		State.	52			
General: BREED	S IN GRASSLAND			JUNIPER-SAGE FLATS, RIPARIAN S GRASSLANDS, OR ALFALFA OF			
Occurrence No Occ Rank		Map Index:	43650	<b>EO Index:</b> 43650			2005-07-16
Presence	: Natural/Native occ : Presumed Extant : Unknown	currence			Record Las		2005-07-16 : 2007-06-28
Quad Summary County Summary	: Dozier (3812137/4 /: Solano	498D)					
UTM:	: 38.34234º / -121. Zone-10 N424447 : 80 meters			Mapping PrecisionSPECIFIC	Township: Range: Section:	02E	Qtr: NW
Elevation				Symbol Type:POINT	Meridian:		GU. WV
Ecologica	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07	TH PART OF THE FAR ; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED	ORN TO THE NORTH, PASTURE 1 . NEST MONITORED 5 APR-16 AU	O THE SOUTH AND ACR	DSS THE	ROAD TO THE SW, A
Ecologica	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI 0 FLEDGED. NES	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07	TH PART OF THE FAR ; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED	MSTEAD. ORN TO THE NORTH, PASTURE T	O THE SOUTH AND ACR	DSS THE	ROAD TO THE SW, A
Ecologica General Owner/Manage Occurrence No	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI 0 FLEDGED. NES : PVT . 900	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE 1 . NEST MONITORED 5 APR-16 AU	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL	DSS THE I T MONITC EDGED. Dates La	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen
Ecologica General Owner/Manager Occurrence No Occ Rank Origin	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI 0 FLEDGED. NES : PVT . 900	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITOREI Map Index:	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL	DSS THE I T MONITC EDGED. Dates La	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI 0 FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITOREI Map Index:	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL	DSS THE I T MONITC EDGED. Dates La Element: Site:	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI 0 FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITORE Map Index: currence	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL	DSS THE I T MONITC EDGED. Dates La Element: Site:	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11 2005-08-21
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI o FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 r: Solano	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITOREI Map Index: currence 498D)	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL 	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11 2005-08-21
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI 0 FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITORE Map Index: currence 498D) 80484°	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11 2005-08-21
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI 0 FLEDGED. NES : PVT 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/- r: Solano : 38.35297°/-121.; Zone-10 N424565 : 80 meters	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITORE Map Index: currence 498D) 80484°	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004 43749	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL  Record Las 	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated 06N 01E 24	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11 2005-08-21
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THI : NEST MONITORI 0 FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/ : Solano : 38.35297° / -121. Zone-10 N424568 : 80 meters : 30 ft	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 ST MONITOREI Map Index: currence 498D) 80484° 55 E604428	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004 43749	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED EO Index: 43749 Mapping PrecisionSPECIFIC	G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL Record Las Township: Range: Section: Meridian:	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated 06N 01E 24	ROAD TO THE SW, A DRED 12 MAY-5 AUG ast Seen 2005-08-11 2005-08-21 : 2007-06-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI 0 FLEDGED. NES : PVT 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/- /: Solano : 38.35297°/-121.: Zone-10 N42456 : 80 meters : 30 ft h: WEST SIDE OF F II: NEST TREE IS LO	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 . ST MONITOREI Map Index: currence 498D) 80484° 55 E604428 PEDRICK ROAI DCATED SOUT	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004 43749 D, 0.1 MILE NORTH OF TH OF THE FARMSTEA	MSTEAD. ORN TO THE NORTH, PASTURE 1 . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED EO Index: 43749 Mapping PrecisionSPECIFIC Symbol Type:POINT	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL  Record Las  Township: Range: Section: Meridian: ELMIRA.	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated 06N 01E 24 M	ROAD TO THE SW, A DRED 12 MAY-5 AUG 2005-08-11 2005-08-21 1: 2007-06-28 Qtr: NE
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	TREES, LOCATE I: NEST TREE IS A ALFALFA TO THE : NEST MONITORI 0 FLEDGED. NES : PVT . 900 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/- /: Solano : 38.35297°/-121.1 Zone-10 N424568 : 80 meters : 30 ft : WEST SIDE OF F I: NEST TREE IS LI WEST SIDE OF F I: NEST TREE IS LI	D IN THE SOU EUCALYPTUS E WEST ACRO ED 21 APR-07 . ST MONITOREI Map Index: currence 498D) 80484° 55 E604428 PEDRICK ROAI OCATED SOUT ROAD. NEST IS	TH PART OF THE FAR S; SURROUNDED BY C SS THE ROAD. JUN 2000; 0 FLEDGED D 19 MAR-28 JUL 2004 43749 D, 0.1 MILE NORTH OF TH OF THE FARMSTEA S NEAR THE TOP OF TH DSAGE ORANGE WITH	MSTEAD. ORN TO THE NORTH, PASTURE T . NEST MONITORED 5 APR-16 AU ; 1 FLEDGED. NEST MONITORED EO Index: 43749 Mapping PrecisionSPECIFIC Symbol Type:POINT BINGHAMPTON ROAD, EAST OF .D AT 6188 PEDRICK ROAD; FARM	TO THE SOUTH AND ACRO G 2001; 0 FLEDGED. NES 24 APR-16 JUL 2005; 3 FL Record Las Township: Range: Section: Meridian: ELMIRA. ISTEAD IS ON THE EAST	DSS THE I T MONITC EDGED. Dates La Element: Site: t Updated 06N 01E 24 M SIDE AND	ROAD TO THE SW, A DRED 12 MAY-5 AUG 2005-08-11 2005-08-21 1: 2007-06-28 Qtr: NE 0 NEST TREE IS ON 1

Swainson's hawk State			ement Ranks —	Element Code: Al	Other Lists		
Federal: None	15	Globa			CDFG Stat	tus.	
State: Threate	ned	State					
Habitat As	ssociations						
		TH SCATTERED TREES.	JUNIPER-SAGE F	LATS, RIPARIAN AREAS, SAV	ANNAHS. & /	GRICULTU	JRAL OR RANCH
				OR ALFALFA OR GRAIN FIEL			
Occurrence No	. 901 Map Inde	<b>x:</b> 43755	EO Index:	43755		Dates Las	st Seen
Occ Rank:	Fair					Element:	2000-08-02
-	Natural/Native occurrence					Site:	2005-07-11
	Presumed Extant Unknown				Record Las	t Updated:	2007-06-28
Quad Summary	: Dozier (3812137/498D)						
County Summary	: Solano						
Lat/Long:	: 38.35033º/-121.81510º				Township:	06N	
UTM:	Zone-10 N4245350 E603535	i			Range:	01E	
	80 meters		Mapping Precision		Section:		Qtr: SW
Elevation	30 ft		Symbol Typ	e:POINT	Meridian:	М	
Location	: SOUTH SIDE OF BINGHAMF	PTON ROAD, 0.4 MILE W	EST OF PEDRICK	ROAD, EAST OF ELMIRA.			
Location Detai	I:NEST TREE IS A LARGE, VE HEIGHT OF THE NEST TRE			THE SOUTH EDGE OF THE F	ARMSTEAD; I	NEST IS LC	CATED AT THE 70%
Ecological	I: NEST TREE IS A BLUE GUM	I EUCALUPTUS; SURRO	UNDED BY PASTU	RE TO THE NW, SUDAN GRA	SS, THEN AL	FALFA, TO	THE SE, SUDAN GRA
_	TO THE SW, AND RUDERAL						
		AUG 2000; 1 FLEDGED	. OCCUPIED BY A I	RED-TAILED HAWK PAIR IN 20	JU1. INACTIVI	E IN 2002, 2	2004, AND 2005.
Owner/Manager	: PVT						
Occurrence No	. 902 Map Inde	<b>x:</b> 43757	EO Index:	43757		Dates Las	st Seen ———
Occ Rank:	•					Element:	2002-07-07
Origin:	Natural/Native occurrence					Site:	2005-07-30
	Presumed Extant				Description		2007 00 20
Trend:	Unknown				Record Las	t Updated:	2007-06-28
-	: Dozier (3812137/498D)						
County Summary							
-	: 38.37315° / -121.84397° Zone-10 N4247850 E600981				Township:		
	80 meters		Mapping Precision	nSPECIFIC	Range: Section:		Qtr: SE
Elevation			Symbol Typ		Meridian:		
Location	: WEST SIDE OF PITT SCHOO	OL ROAD, 1 MILE NORT	H OF HAWKINS RC	AD, EAST OF ELMIRA.			
Location Detai				WAS ON THE SOUTH SIDE C	F THE TREE	2001 NES	T WAS 135 METERS
	WEST, IN THE WESTERNMO						
Ecological	GRASS TO THE SOUTH, AN			UTS; SURROUNDED BY ALFA EMUS AND CATTLE.	LFA TO THE	EASTACR	USS THE ROAD, SUD
General	NEST MONITORED 3 APR-2 INCUBATING ON 8 JUN 2003			D 4 APR-3 AUG 2001; 0 FLED AND 2005	GED. NEST M	IONITORE	D 13 MAY-7 JUL 2002;
Owner/Manager		_,					
0	002	40750	FO In day	40750		Dates Las	t Soon
Occurrence No Occ Rank:		A. 43/30	EO Index:	40100			2005-08-11
	: Natural/Native occurrence						2005-08-11
-	Presumed Extant					0.10.	
	Unknown				Record Las	t Updated:	2007-06-28
Quad Summary	: Dozier (3812137/498D)						
County Summary	: Solano						
Lat/Long	38.35141º/-121.81717º				Township:	06N	
-	Zone-10 N4245468 E603353	i i			Range:		
	80 meters		Mapping Precisi	onSPECIFIC	Section:		Qtr: NW
Elevation	35 ft		Symbol Typ		Meridian:	М	
		PTON ROAD, 0.3 MILE E	AST OF HIGHWAY	113, EAST OF ELMIRA.			
Location	I:NEST TREE IS LOCATED IN	A ROW OF OSAGE OR	ANGE TREES, THE	TALLEST IN THE ROW.			
Location Location Detai	I:NEST TREE IS LOCATED IN			TALLEST IN THE ROW. THE NW, NE, AND SE, AND A	LFALFA TO T	HE SW.	

Swainson's hawk		NDDB Element Ranks	Element Code: Al	Other Lists		
Federal: None	5	Global: G5		CDFG Stat		
State: Threaten	ed	State: S2		001 0 0101		
Habitat Ass	sociations					
	S IN GRASSLANDS WITH WITH SCATTER	ED TREES, JUNIPER-SAGE FLA	TS, RIPARIAN AREAS, SAV	'ANNAHS, & A	GRICULTU	JRAL OR RANCH
Micro: REQUIRI	ES ADJACENT SUITABLE FORAGING AR	EAS SUCH AS GRASSLANDS, OI	R ALFALFA OR GRAIN FIEL	DS SUPPOR	FING RODE	ENT POPULATIONS
Occurrence No.	904 Map Index: 43759	EO Index: 43	759		Dates Las	st Seen
Occ Rank:	•			1	Element:	2005-08-21
-	Natural/Native occurrence				Site:	2005-08-21
	Presumed Extant			Record Last	Undated	2007-06-28
Trena:	Unknown				opuatea.	2007 00 20
-	Dozier (3812137/498D)					
County Summary:	Solano					
-	38.35770° / -121.83248°			Township:		
	Zone-10 N4246148 E602006 6.0 acres	Mapping Precision	PECIFIC	Range: Section:		Qtr: NW
Elevation:		Symbol Type:F		Meridian:		QU. 100
	SOUTH SIDE OF HAWKINS ROAD, 0.5 MI					
	NEST TREE IS LOCATED AT THE FARMS NEAR THE TOP OF THE FIRST LEAFY BI					
					. ,	
-	NEST TREE WAS A PINE; SURROUNDED					
	NEST MONITORED 18 MAY-3 AUG 2000; 1 ADULT OBSERVED (NO NEST). INACTI					ED 5 APR-24 AUG 2
				, 11 EE DOI		
Owner/Manager:	PVI					
0 N	005 Mars In Jac. 12700	EO Index: 43	700		Dates Las	at Soon
Occurrence No. Occ Rank:	•	EU Index: 43	00			2005-07-20
	Natural/Native occurrence					2005-07-20
•	Presumed Extant					
Trend:	Unknown			Record Last	Updated:	2007-06-28
Quad Summary:	Dozier (3812137/498D)					
County Summary:	· ,					
Lat/Long:	38.36968º / -121.84156º			Township:	06N	
UTM:	Zone-10 N4247468 E601196			Range:		
	80 meters	Mapping Precision		Section:		Qtr: NE
Elevation:	45 ft	Symbol Type:	'OINT	Meridian:	М	
Location:	EAST SIDE OF PITT SCHOOL ROAD, 0.7	MILE NORTH OF HAWKINS ROA	D, EAST OF ELMIRA.			
	2000-2002 NEST TREE WAS LOCATED A					
	ROAD SHOULDER. 2004 NEST WAS AT 1	THE 85% HEIGHT OF THE REMA	NING NORTH BLUE GUM C	ON THE WEST	ROAD SH	IOULDER.
Ecological:	NEST TREE IS A BLUE GUM EUCALYPTU	US; SURROUNDED BY SUDAN G	RASS TO THE WEST AND	ALFALFA TO	THE NORT	H, EAST, AND SOU
General:	NEST MONITORED 5 JUL-2 AUG 2000; 1	FLEDGED. NEST MONITORED 4	APR-23 AUG 2001; 2 FLED	GED. NEST N	IONITORE	D 13 MAY-29 JUL 20
	FLEDGED. NEST MONITORED 20 MAR-1					
Owner/Manager:	PVT					
Occurrence No.	•	EO Index: 43	763		Dates Las	
Occ Rank:				I		2004-05-24 2005-08-03
-	Natural/Native occurrence Presumed Extant				one.	2005-06-05
	Unknown			Record Last	Updated:	2005-11-09
Quad Summary	Dixon (3812147/498A)					
Quad Summary: County Summary:	, ,					
-	38.41821º / -121.85047º			Township:		
	Zone-10 N4252843 E600351 80 meters	Mapping Precision	PECIFIC	Range: Section:		Qtr: SE
Elevation:		Symbol Type:F		Meridian:		<b>4</b> 52
1						
	NORTH SIDE OF PORTER STREET, 0.1 M					
	NEST IS LOCATED WITHIN A SMALL GRURE RELATIVELY SMALL BLACK WALNUT.	UVE OF DECIDUOUS TREES. NE	ST-BUILDING OBSERVED	IN THE LARG	ESITREE	IN THE GROVE, A
Exclusion 1			JIVE FO INVV. CORIN/ RUDER	AL TO NE, HC	າບວ⊏ວ/ KU	UERAL IU SW, ANI
	NEST TREE WAS A BLACK WALNUT; SIT RUDERAL AND ROW CROPS TO SE .	E IS SURROUNDED BY SORGIN				

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

Occurrence No.	907 Map Index:	43765	EO Index: 43765	—	Dates La	st Seen ———
Occ Rank:	Fair			E	Element:	2002-07-07
Origin:	Natural/Native occurrence				Site:	2005-08-12
	Presumed Extant Unknown			Record Last	Updated:	2007-11-20
Quad Summary:	Dixon (3812147/498A)					
County Summary:	Solano					
Lat/Long:	38.42470º / -121.84386º			Township:	07N	
UTM:	Zone-10 N4253571 E600919			Range:	01E	
Radius:	80 meters	Марр	ing PrecisionSPECIFIC	Section:	27	Qtr: NE
Elevation:	65 ft	5	Symbol Type:POINT	Meridian:	М	
Location:	SOUTH SIDE OF PORTER ST	REET, 0.25 MILE SW OF PITT	SCHOOL ROAD, 1.5 MILES SSW OF	F DIXON.		
	NEST TREE WAS A SOLITAR AT THE 80% HEIGHT OF THE		WING ON THE ROAD SHOULDER, A	ACROSS FROM 746	1 PORTE	R ROAD. 2000 NEST WAS
Ecological:			, SHRUBS, AND TREES ADJACENT D WALNUT ORCHARD TO THE SO		D TRACKS	, A FIRST-YEAR
Threat:	THREATENED BY NEST PRO	XIMITY TO THE RAILROAD TR	ACKS.			
	NEST ACTIVE IN 2000; 2 FLEI OBSERVATION IN 2004. INAC		CHICKS VOCALIZING, 12 JUN 2001	I. NEST ACTIVE IN 2	002; 2 FLI	EDGED. INADEQUATE
Owner/Manager:	UNKNOWN					

					Element Code: ABNKC19070		
Stat	us ———			nent Ranks	Other Lists		
Federal: None			Global:		CDFG S	atus:	
State: Threate			State:	52			
	ssociations —	0 10/1711 10/1711					
				JUNIPER-SAGE FLATS, RIPAR S GRASSLANDS, OR ALFALFA			
MICIO. REQUI	RES ADJACENT SU	UITABLE FURF	GING AREAS SUCH A	S GRASSLANDS, OR ALFALF	OR GRAIN FIELDS SUPPO	R HING RUL	DENT POPULATIO
Occurrence No	908	Map Index:	43769	EO Index: 43769	_	<ul> <li>Dates La</li> </ul>	ast Seen
Occ Rank						Element:	2005-07-17
	Natural/Native occ	currence				Site:	2005-07-17
-	Presumed Extant						
Trend	Unknown				Record La	st Updated	: 2005-11-09
Quad Summary	: Dixon (3812147/4	198A)					
County Summary							
-	: 38.38379º/-121.				Townshi		
	Zone-10 N424903	30 E600825				e: 01E	<b>0</b>
	9.2 acres			Mapping PrecisionSPECIFIC	Sectio		Qtr: NE
Elevation	π σς :			Symbol Type:POLYGON	Meridia	1: IVI	
Location	: 0.25 MILE WEST	OF PITT SCHO	OOL ROAD, 1.7 MILES	NORTH OF HAWKINS ROAD, 4	.3 MILES SSW OF DIXON		
Location Detai	1.2000 NEST TREE		LYPTUS THE TALLES	T AND SOUTHERNMOST EAS			MSTEAD AT 6713
		CONTAINING	A VARIETY OF TREES	AT AN OLD, WOODEN TWO-S	TORY HOUSE. 2002 NEST	AT THE 90%	HEIGHT OF THE
Ecologica	MASS.			AT AN OLD, WOODEN TWO-S			
-	MASS. I: NEST TREE WAS : NEST ACTIVE IN	S A BLUE GUM I 2000; ADULTS	EUCALYPTUS ON A F NEST-BUILDING. NE		N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA	ND.
-	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN	S A BLUE GUM I 2000; ADULTS	EUCALYPTUS ON A F NEST-BUILDING. NE	ARMSTEAD; SURROUNDED I	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA	ND.
General	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT	S A BLUE GUM I 2000; ADULTS	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED I	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA	ND.
General Owner/Manager Occurrence No	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909	S A BLUE GUM I 2000; ADULTS I 2004; INCUBA	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA EST ACTIVE — Dates La	ND. E IN 2002; 1 FLED(
General Owner/Manager Occurrence No Occ Rank	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909 : Fair	S A BLUE GUM I 2000; ADULTS I 2004; INCUBA Map Index:	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA EST ACTIVE — Dates La	ND. E IN 2002; 1 FLED( ast Seen
General Owner/Manager Occurrence No Occ Rank Origin	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909	S A BLUE GUM I 2000; ADULTS I 2004; INCUBA Map Index: currence	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N	TIVATED LA EST ACTIVE — Dates La Element:	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909 : Fair : Natural/Native occ	S A BLUE GUM I 2000; ADULTS I 2004; INCUBA Map Index: currence	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED.	TIVATED LA EST ACTIVE Dates La Element: Site:	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909 : Fair : Natural/Native occ : Presumed Extant	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED.	TIVATED LA EST ACTIVE Dates La Element: Site:	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT : 909 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dixon (3812147/4	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED.	TIVATED LA EST ACTIVE Dates La Element: Site:	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT . 909 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dixon (3812147/4 : Solano	S A BLUE GUM 1 2000; ADULTS 2004; INCUBA Map Index: currence 198A)	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. 	TIVATED LA EST ACTIVE — Dates La Element: Site: sist Updated	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	MASS. I: NEST TREE WAS I: NEST ACTIVE IN NEST ACTIVE IN I: PVT I: 909 I: Fair I: Natural/Native occ I: Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.45061°/-121.1	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178°	EUCALYPTUS ON A F NEST-BUILDING. NES TING ON 28 MAY (OUT	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi	TIVATED LA EST ACTIVE – Dates La Element: Site: st Updated –	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT : 909 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dixon (3812147/4 : Solano : 38.45061°/-121.1 Zone-10 N425643	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178°	EUCALYPTUS ON A F 5 NEST-BUILDING. NES TING ON 28 MAY (OUT 43772	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS / ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi Rangu	TIVATED LA EST ACTIVE – Dates La Element: Site: st Updated p: 07N :: 01E	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT · 909 : Fair : Natural/Native occ : Presumed Extant · Unknown : Dixon (3812147/4 : Solano : 38.45061°/ -121.; Zone-10 N42564; : 80 meters	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178°	EUCALYPTUS ON A F 5 NEST-BUILDING. NES TING ON 28 MAY (OUT 43772	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi	TIVATED LA EST ACTIVE — Dates La Element: Site: st Updated p: 07N :: 01E 1: 15	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	MASS. I: NEST TREE WAS I: NEST ACTIVE IN NEST ACTIVE IN I: PVT I: 909 I: Fair I: Natural/Native occ I: Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.45061°/ -121.1 Zone-10 N425643 I: 80 meters I: 40 ft	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178° 37 E600191	EUCALYPTUS ON A F 3 NEST-BUILDING, NES TING ON 28 MAY (OU 43772	ARMSTEAD; SURROUNDED IN ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC EO Index: 43772 Mapping PrecisionSPECIFIC Symbol Type:POINT	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi Rango Sectio Meridia	TIVATED LA EST ACTIVE — Dates La Element: Site: st Updated p: 07N :: 01E 1: 15	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	MASS. I: NEST TREE WAS I: NEST ACTIVE IN NEST ACTIVE IN I: PVT I: 909 I: Fair I: Natural/Native occ Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.45061°/ -121.1 Zone-10 N425643 I: 80 meters I: 40 ft I: EVANS ROAD, 0.	S A BLUE GUM 2000; ADULTS 2004; INCUBA Map Index: currence 198A) 85178° 37 E600191 .3 MILE NORTH	EUCALYPTUS ON A F 3 NEST-BUILDING, NES TING ON 28 MAY (OU 43772 43772	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC EO Index: 43772 Mapping PrecisionSPECIFIC Symbol Type:POINT AD, IN THE SW CORNER OF T	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi Rang Sectio Meridia HE CITY OF DIXON	TIVATED LA EST ACTIVE - Dates La Element: Site: st Updated 	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09 Qtr: SW
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	MASS. I: NEST TREE WAS : NEST ACTIVE IN NEST ACTIVE IN : PVT : 909 : Fair : Natural/Native occ : Presumed Extant : Unknown : Dixon (3812147/4 : Solano : 38.45061°/ -121.: Zone-10 N425643 : 80 meters : 40 ft : EVANS ROAD, 0. I: SITE CONSISTS	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178° 37 E600191 .3 MILE NORTH OF A U-SHAPI	EUCALYPTUS ON A F 5 NEST-BUILDING. NES TING ON 28 MAY (OUT 43772 40 OF WEST DIXON RO ED ROW OF EUCALYP	ARMSTEAD; SURROUNDED IN ST ACTIVE IN 2001; 2 CHICKS ICOME UNKNOWN). NEST AC EO Index: 43772 Mapping PrecisionSPECIFIC Symbol Type:POINT	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Townshi Rangu Sectio Meridia HE CITY OF DIXON 5 ROAD. 2000 NEST TREE V	TIVATED LA EST ACTIVE - Dates La Element: Site: st Updated p: 07N :: 01E 1: 15 1: M	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09 Qtr: SW
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	MASS. I: NEST TREE WAS I: NEST ACTIVE IN NEST ACTIVE IN I: PVT I: 909 I: Fair I: Natural/Native occ I: Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.45061°/ -121.1 Zone-10 N425643 I: 80 meters I: 40 ft I: EVANS ROAD, 0. I: SITE CONSISTS 80% HEIGHT. 200	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178° 37 E600191 .3 MILE NORTH OF A U-SHAPI 01 NEST WAS EUCALYPTUS	EUCALYPTUS ON A F S NEST-BUILDING, NES TING ON 28 MAY (OUT 43772 40F WEST DIXON RO ED ROW OF EUCALYP AT THE 85% HEIGHT (	ARMSTEAD; SURROUNDED II ST ACTIVE IN 2001; 2 CHICKS / ICOME UNKNOWN). NEST AC EO Index: 43772 Mapping PrecisionSPECIFIC Symbol Type:POINT AD, IN THE SW CORNER OF T TUS, LOCATED AT 595 EVANS	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Record La Sectio Meridia HE CITY OF DIXON 5 ROAD. 2000 NEST TREE W S ON THE SOUTH BORDEF	TIVATED LA EST ACTIVE - Dates La Element: Site: st Updated - OTN - 01E - 15 - 15 - 15 - 16 - 16 - 16 - 17 - 16 - 16 - 16 - 16 - 16 - 16 - 16 - 16	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09 Qtr: SW Qtr: SW
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Location Detai	MASS. I: NEST TREE WAS I: NEST ACTIVE IN NEST ACTIVE IN I: PVT I: 909 I: Fair I: Natural/Native occ I: Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.45061°/ -121.1 Zone-10 N425643 I: 80 meters I: 40 ft I: EVANS ROAD, 0. I: SITE CONSISTS 80% HEIGHT. 200 I: NEST TREE IS A HIGH-DENSITY F	S A BLUE GUM 1 2000; ADULTS 1 2004; INCUBA Map Index: currence 198A) 85178° 37 E600191 .3 MILE NORTH OF A U-SHAPI 01 NEST WAS .EUCALYPTUS RESIDENTIAL.	EUCALYPTUS ON A F S NEST-BUILDING. NES TING ON 28 MAY (OUT 43772 4 OF WEST DIXON RO ED ROW OF EUCALYP AT THE 85% HEIGHT ( S; FIELD TO THE SOUT	ARMSTEAD; SURROUNDED IN ST ACTIVE IN 2001; 2 CHICKS FCOME UNKNOWN). NEST AC EO Index: 43772 Mapping PrecisionSPECIFIC Symbol Type:POINT AD, IN THE SW CORNER OF T TUS, LOCATED AT 595 EVANS DF THE TALLEST EUCALYPTU	N ALL DIRECTIONS BY CUL OBSERVED, 1 FLEDGED. N TIVE IN 2005; 2 FLEDGED. Record La Record La Sectio Meridia HE CITY OF DIXON S ROAD. 2000 NEST TREE W S ON THE SOUTH BORDEF ANS, IS UNDEVELOPED. AL	TIVATED LA EST ACTIVE - Dates La Element: Site: st Updated - Dates La Element: Site: -	ND. E IN 2002; 1 FLEDO ast Seen 2005-09-08 2005-09-08 : 2005-11-09 Qtr: SW LYPTUS; NEST A' REA EAST OF EV

Swainson's hawk					t Code: ABNKC19070		
Federal: None	us —		NDDB Element     Global: G5	Ranks	Other Lists     OPEC State		
State: Threater	ned		State: S2		CDFG Stat	us:	
	sociations —						
		s with with s	CATTERED TREES, JUNI	PER-SAGE FLATS, RIPARIAN AR	EAS, SAVANNAHS, & A	GRICULTI	JRAL OR RANCH
Micro: REQUIF	RES ADJACENT SU	UITABLE FORA	GING AREAS SUCH AS GR	RASSLANDS, OR ALFALFA OR GI	RAIN FIELDS SUPPOR	FING ROD	ENT POPULATION
Occurrence No.	. 910	Map Index:	43777	EO Index: 43777		Dates La	st Seen
Occ Rank:	Excellent					Element:	2005-08-11
Origin:	Natural/Native occ	currence				Site:	2005-08-11
	Presumed Extant				Record Last	Undated	2005-11-00
Trend:	Unknown				Record Lasi	opuateu.	2005-11-09
Quad Summary	: Dixon (3812147/4	98A)					
County Summary	: Solano						
l at/l ong	38.48944º / -121.	822/150			Township:	08N	
	Zone-10 N426077				Range:		
	80 meters		Мар	ping PrecisionSPECIFIC	Section:		Qtr: SE
Elevation	70 ft			Symbol Type:POINT	Meridian:	М	
General:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001	RUNK WAS OFF-WHITE; NEST W VEST TREE DISEASED) NORTH ( .FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	OF SIEVERS ROAD, ON D LAND ELSEWHERE.	THE WES	ST SHOULDER.
e e	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001	NEST TREE DISEASED) NORTH ( .FA TO THE SW AND CULTIVATE	OF SIEVERS ROAD, ON D LAND ELSEWHERE.	THE WES	ST SHOULDER.
General:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT?	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( .FA TO THE SW AND CULTIVATE	OF SIEVERS ROAD, ON D LAND ELSEWHERE.	RVED. NE	ST SHOULDER.
General: Owner/Manager	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT?	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	Dates La:	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	Dates La:	ST SHOULDER.
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	THE WES RVED. NE Dates La Element: Site:	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	THE WES RVED. NE Dates La Element: Site:	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	THE WES RVED. NE Dates La Element: Site:	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE	THE WES RVED. NE Dates La Element: Site:	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318°	LUE GUM EUCALYPTUS († ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED.	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE  Record Last	THE WES RVED. NE Dates La Element: Site: Updated: 07N	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown : Dixon (3812147/4 : Solano 38.41687° / -121.1 Zone-10 N425268	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318°	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 )5; 1 FLEDGED. 43778	NEST TREE DISEASED) NORTH ( LFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range:	THE WES RVED. NE Dates La Element: Site: Updated: 07N 01E	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano 38.41687°/-121. Zone-10 N425266 10.2 acres	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318°	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 )5; 1 FLEDGED. 43778	NEST TREE DISEASED) NORTH ( .FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section:	THE WES RVED. NE Dates La Element: Site: Updated: 07N 01E 33	ST SHOULDER. ST ACTIVE IN 200 St Seen 2005-08-14 2005-08-14
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 Solano 38.41687° / -121.1 Zone-10 N425266 10.2 acres 65 ft	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318° 81 E599243	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001 05; 1 FLEDGED. 43778 Map	NEST TREE DISEASED) NORTH ( LFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 ping PrecisionSPECIFIC Symbol Type:POLYGON	DF SIEVERS ROAD, ON 2D LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian:	THE WES RVED. NE Dates La Element: Site: Updated: 07N 01E 33	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano 38.41687°/-121. Zone-10 N425268 10.2 acres 65 ft : SOUTH SIDE OF	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318° 81 E599243 MIDWAY ROAL	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 55; 1 FLEDGED. 43778 Map D, 0.25 MILE WEST OF BA	NEST TREE DISEASED) NORTH ( FA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 ping PrecisionSPECIFIC Symbol Type:POLYGON TAVIA ROAD, 2 MILES SW OF DIX	DF SIEVERS ROAD, ON D LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian: KON	Dates La Element: Site: Updated: 07N 01E 33 M	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09 Qtr: NE
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano 38.41687°/ -121.1 Zone-10 N425268 10.2 acres : 65 ft : SOUTH SIDE OF : 2000 NEST TREE	S THE THIRD B EUCALYPTUS 2000; 1 FLEDG ACTIVE IN 200 Map Index: 4 currence 198A) 86318° 81 E599243 MIDWAY ROAI E WITHIN A RO	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI SED. NEST ACTIVE IN 2001 05; 1 FLEDGED. 43778 D, 0.25 MILE WEST OF BA W OF OSAGE ORANGE TF	NEST TREE DISEASED) NORTH ( LFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 ping PrecisionSPECIFIC Symbol Type:POLYGON	DF SIEVERS ROAD, ON ED LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian: KON PLDER OF MIDWAY RD;	THE WES RVED. NE Dates La Element: Site: Updated: 07N 01E 33 M NEST LO	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09 Qtr: NE Qtr: NE
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 Solano 38.41687° / -121.4 Zone-10 N425266 10.2 acres 65 ft SOUTH SIDE OF 2000 NEST TREE OF TALLEST TREE	Map Index: 4 Currence B86318 B6318 B6318 B6318 B1 E599243 MIDWAY ROAI E WITHIN A ROI EE. 2001 NEST	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001 05; 1 FLEDGED. 43778 D, 0.25 MILE WEST OF BAT W OF OSAGE ORANGE TH TREE LOCATED WEST OF	NEST TREE DISEASED) NORTH ( IFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 Ping PrecisionSPECIFIC Symbol Type:POLYGON TAVIA ROAD, 2 MILES SW OF DIX REES, ALONG THE SOUTH SHOU	DF SIEVERS ROAD, ON DI LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian: (ON ILDER OF MIDWAY RD; ST WAS AT 95% HEIGH	Dates La Element: Site: Updated: 07N 01E 33 M NEST LOUTH	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09 Qtr: VE Qtr: VE CATED AT 90% H SIDE, NEAR CEN
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano 38.41687° / -121.4 Zone-10 N425268 10.2 acres : 65 ft : SOUTH SIDE OF : 2000 NEST TREE OF TALLEST TREE NEST TREE WAS	Map Index: 4 Currence Map Salas MiDWAY ROAL WITHIN A ROI S AN OSAGE O	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001 05; 1 FLEDGED. 43778 D, 0.25 MILE WEST OF BAT W OF OSAGE ORANGE TH TREE LOCATED WEST OF RANGE; SURROUNDED B	EST TREE DISEASED) NORTH ( IFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 EO Index: 43778 FOUNDER STATE Symbol Type:POLYGON TAVIA ROAD, 2 MILES SW OF DIX IEES, ALONG THE SOUTH SHOU 2000-02 NEST TREES. 2004 NES Y CULTIVATED LAND TO THE SC	DF SIEVERS ROAD, ON DI LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian: (ON ILDER OF MIDWAY RD; ST WAS AT 95% HEIGH DUTH AND ACROSS TH	Dates La Element: Site: Updated: 07N 01E 33 M NEST LO IT, SOUTH E ROAD T	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09 Qtr: VE Qtr: VE CATED AT 90% HI I SIDE, NEAR CEN O THE NORTH.
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	NEST TREE WAS NEST TREE IS A NEST ACTIVE IN FLEDGED. NEST PVT? 911 Good Natural/Native occ Presumed Extant Unknown Dixon (3812147/4 : Solano 38.41687° / -121.4 Zone-10 N425268 10.2 acres : 65 ft : SOUTH SIDE OF : 2000 NEST TREE OF TALLEST TREE NEST TREE WAS	Map Index: 4 Currence Map Salas MiDWAY ROAL WITHIN A ROI S AN OSAGE O	LUE GUM EUCALYPTUS (I ; SURROUNDED BY ALFAI GED. NEST ACTIVE IN 2001 05; 1 FLEDGED. 43778 D, 0.25 MILE WEST OF BAT W OF OSAGE ORANGE TH TREE LOCATED WEST OF RANGE; SURROUNDED B	EST TREE DISEASED) NORTH ( LFA TO THE SW AND CULTIVATE ; 1 FLEDGED. NEST ACTIVE IN 2 EO Index: 43778 Ping PrecisionSPECIFIC Symbol Type:POLYGON TAVIA ROAD, 2 MILES SW OF DIX IEES, ALONG THE SOUTH SHOU 2000-02 NEST TREES. 2004 NES	DF SIEVERS ROAD, ON DI LAND ELSEWHERE. 2002; NO CHICKS OBSE Record Last Township: Range: Section: Meridian: (ON ILDER OF MIDWAY RD; ST WAS AT 95% HEIGH DUTH AND ACROSS TH	Dates La Element: Site: Updated: 07N 01E 33 M NEST LO IT, SOUTH E ROAD T	ST SHOULDER. ST ACTIVE IN 200 st Seen 2005-08-14 2005-08-14 2005-11-09 Qtr: VE Qtr: VE CATED AT 90% HI I SIDE, NEAR CEN O THE NORTH.

Swainson's hawk	IG	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists
Federal: None		Global: G5	CDFG Status:
State: Threater	ned	State: S2	obro otatus.
Habitat As	sociations		
		RED TREES, JUNIPER-SAGE FLATS, RIPAF	IAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIR	ES ADJACENT SUITABLE FORAGING A	REAS SUCH AS GRASSLANDS, OR ALFALF	A OR GRAIN FIELDS SUPPORTING RODENT POPULATION
Occurrence No.	. 912 Map Index: 43779	EO Index: 43779	Dates Last Seen
Occ Rank:	Good		Element: 2000-06-05
•	Natural/Native occurrence		Site: 2004-06-18
	Presumed Extant Unknown		Record Last Updated: 2005-03-17
Quad Summarv:	Dixon (3812147/498A)		
County Summary	, ,		
Lat/Long:	38.44517º / -121.84577º		Township: 07N
	Zone-10 N4255840 E600724		Range: 01E
Elevation:	80 meters 70 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 22 Qtr: NE Meridian: M
	SOUTH SIDE OF WEST A STREET, ON		
			RNER OF THE FARMSTEAD NEAR A SMALL MOBILE HOMI
Ecological			EHAVIOR OF THE ADULTS IMPLIED NEST-BUILDING. ENTIAL LAND TO THE NORTH OF A STREET.
General	NEST MONITORED 28 APR-5 JUN 2000	NO RAPTORS OBSERVED DURING 11 LAT	ER VISITS THROUGH 3 AUG 2000, AND NO YOUNG FLED
/		ERVED 12 MAY-18 JUN 2004, ALTHOUGH SI	
Owner/Manager:	PVT		
Occurrence No.	. 913 Map Index: 43781	EO Index: 43781	Dates Last Seen
Occurrence No. Occ Rank:		EO Index. 45761	Element: 2000-05-21
	Natural/Native occurrence		Site: 2001-XX-XX
v	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2002-03-07
Quad Summary:	Dixon (3812147/498A)		
County Summary	; Solano		
-	38.42596º / -121.86377º		Township: 07N
	Zone-10 N4253689 E599179		Range: 01E
Elevation:	80 meters 65 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 28 Qtr: NE Meridian: M
		.2 MILES SOUTH OF I-80, 2 MILES SW OF DI	
Location Detail	:NEST TREE IS LOCATED ON ALONZO 3 FOUND ON THE PROPERTY.	FARMS, 4781 BATAVIA ROAD. NEST TREE I	S NEAR THE SE CORNER OF THE SOUTHERNMOST HOU
-	SITE IS SURROUNDED BY CULTIVATE		
General:		BETWEEN 8 MAY-21 MAY 2000 (4 VISITS); U IEWING IS FROM A PUBLIC ROAD! UNOCC	JNKNOWN IF ANY YOUNG FLEDGED. LANDOWNER IS HO
0			
Owner/Manager:	PVI		
Occurrence No.	. 914 Map Index: 43782	EO Index: 43782	Dates Last Seen
Occ Rank:	Excellent		Element: 2005-09-07
-	Natural/Native occurrence		Site: 2005-09-07
	Presumed Extant Unknown		Record Last Updated: 2005-09-15
			• • • • •
Quad Summary: County Summary	Allendale (3812148/498B)		
			Township (77)
	38.43448º / -121.89225º Zone-10 N4254604 E596682		Township: 07N Range: 01E
-	80 meters	Mapping PrecisionSPECIFIC	Section: 20 Qtr: SW
UTM:		Symbol Type:POINT	Meridian: M
UTM:	80 ft		
UTM: Radius: Elevation:		SOUTH OF DIXON AVENUE WEST, 4 MILE	S WEST OF DIXON
UTM: Radius: Elevation: Location:	WEST SIDE OF NUNES ROAD, 0.8 MILE	K OAK, ON THE SOUTH SHOULDER; NEST \	VAS LOCATED 10 FEET BELOW THE TOP. 2001-2002 NES
UTM: Radius: Elevation: Location:	WEST SIDE OF NUNES ROAD, 0.8 MILE	K OAK, ON THE SOUTH SHOULDER; NEST \	
UTM: Radius: Elevation: Location Location Detail	WEST SIDE OF NUNES ROAD, 0.8 MILE 2000 NEST TREE WAS A LARGE BLACI WAS A BLUE GUM EUCALYPTUS; NES NEST TREE IS LOCATED WITHIN A GR	K OAK, ON THE SOUTH SHOULDER; NEST \ T LOCATED AT 2/3 HT. 2005 NEST WAS AT OVE OF EUCALYPTUS AND SMALL DECIDL	VAS LOCATED 10 FEET BELOW THE TOP. 2001-2002 NES THE 80% HEIGHT OF THE SOUTH TREE ON THE WEST SII OUS TREES. IN 2001, SURROUNDED BY CORN TO THE N
UTM: Radius: Elevation: Location Location Detail	WEST SIDE OF NUNES ROAD, 0.8 MILE 2000 NEST TREE WAS A LARGE BLACI WAS A BLUE GUM EUCALYPTUS; NES NEST TREE IS LOCATED WITHIN A GR	K OAK, ON THE SOUTH SHOULDER; NEST \ T LOCATED AT 2/3 HT. 2005 NEST WAS AT OVE OF EUCALYPTUS AND SMALL DECIDL	VAS LOCATED 10 FEET BELOW THE TOP. 2001-2002 NES THE 80% HEIGHT OF THE SOUTH TREE ON THE WEST SII

					Element Co	de: ABNKC19070		
Stat	us —		NDDB Ele	ement Ranks		— Other Lists		
Federal: None			Global	: G5		CDFG Stat	us:	
State: Threate	ened		State	: S2				
Habitat A	ssociations ———							
General: BREED	S IN GRASSLANDS \	WITH WITH S	CATTERED TREES,	JUNIPER-SAGE FLA	TS, RIPARIAN AREAS	, SAVANNAHS, & A	GRICULTI	JRAL OR RANG
Micro: REQUI	RES ADJACENT SUIT	TABLE FORA	GING AREAS SUCH	AS GRASSLANDS, O	R ALFALFA OR GRAI	N FIELDS SUPPORT	FING ROD	ENT POPULAT
	MONITORED 31 MA	AR-7 SEP 200	05; 1 FLEDGED.					
Owner/Manage	r: PVT							
Occurrence No	o. 915 M	Map Index:	43786	EO Index: 43	786		Dates La	
Occ Rank						I		2005-07-08
-	: Natural/Native occur	rrence					Site:	2005-07-08
	: Presumed Extant : Unknown					Record Last	Undated	2007-06-14
Trena	Unknown						opulicu.	2007 00 14
Quad Summary	: Allendale (3812148/	498B)						
County Summary	: Solano							
Lat/Long	: 38.41681º/-121.88	289º				Township:	07N	
UTM:	Zone-10 N4252653	E597522				Range:	01E	
Radius	: 80 meters			Mapping Precision		Section:	32	Qtr: NE
Elevation	: 70 ft			Symbol Type:	POINT	Meridian:	М	
Location Deta	II:NEST TREE BASE	IS ON THE S	OUTH SHOULDER C	F THE ROAD; NEST I	URVES SOUTH TOW IES DIRECTLY OVER THE SE AND SW, A	THE EASTBOUND	LANE.	
Location Deta Ecologica	II:NEST TREE BASE I: NEST TREE IS A BI : NEST MONITORED	IS ON THE S LUE GUM EL 0 10 MAY-10 .	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE	IES DIRECTLY OVER	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST	LANE. RCHARD <sup>-</sup> MONITOF	TO THE NE AN
Location Deta Ecologica	II: NEST TREE BASE I: NEST TREE IS A BI : NEST MONITORED 2 FLEDGED. NEST	IS ON THE S LUE GUM EL 0 10 MAY-10 .	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE	LIES DIRECTLY OVER THE SE AND SW, A A APR-15 AUG 2001;	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST	LANE. RCHARD <sup>-</sup> MONITOF	TO THE NE AN
Location Deta Ecologica General	II:NEST TREE BASE I: NEST TREE IS A BI : NEST MONITORED 2 FLEDGED.NEST r: PVT?	IS ON THE S LUE GUM EL 0 10 MAY-10 .	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOF	TO THE NE AN
Location Deta Ecologica General Owner/Manager Occurrence No	II:NEST TREE BASE I: NEST TREE IS A BI : NEST MONITORED 2 FLEDGED.NEST r: PVT?	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITOREI	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOF GED. Dates Las Element:	TO THE NE AN RED 13 APR-18 st Seen 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin	II: NEST TREE BASE I: NEST TREE IS A BI 2 FLEDGED.NEST r: PVT? 9 927 I: Excellent : Natural/Native occur	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITOREI Map Index:	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOF GED. Dates Lat	TO THE NE AN RED 13 APR-18
Location Detai Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence	II: NEST TREE BASE I: NEST TREE IS A BI : NEST MONITORED 2 FLEDGED. NEST r: PVT? 	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITOREI Map Index:	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOR GED. Dates Las Element: Site:	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence	II: NEST TREE BASE I: NEST TREE IS A BI 2 FLEDGED.NEST r: PVT? 9 927 I: Excellent : Natural/Native occur	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITOREI Map Index:	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOR GED. Dates Las Element: Site:	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 2 FLEDGED. NEST 7: PVT? 927 1 Excellent 2 Natural/Native occur 2 Presumed Extant 2 Unknown 2 Saxon (3812146/49)	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITORED Map Index:	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOR GED. Dates Las Element: Site:	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 2 FLEDGED. NEST 7: PVT? 927 1 Excellent 2 Natural/Native occur 2 Presumed Extant 2 Unknown 2 Saxon (3812146/49)	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITORED Map Index:	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOR GED. Dates Las Element: Site:	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 2 FLEDGED. NEST 7: PVT? 927 1 Excellent 2 Natural/Native occur 2 Presumed Extant 2 Unknown 2 Saxon (3812146/49)	IS ON THE S LUE GUM EU 0 10 MAY-10 . MONITORED Map Index: 4 rrence 7B)	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREL ; 1 FLEDGED. NEST I	LIES DIRECTLY OVER THE SE AND SW, A 04 APR-15 AUG 2001: MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO	LANE. RCHARD <sup>-</sup> MONITOF SED. Dates La: Element: Site: Updated:	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 7: PVT? 9. 927 1: Excellent 2: Natural/Native occur 2: Presumed Extant 2: Unknown 1: Saxon (3812146/49) 7: Solano	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITORED Map Index: rrence 7B)	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE ; 1 FLEDGED. NEST I EO Index: 44	LIES DIRECTLY OVER THE SE AND SW, A 1 0 4 APR-15 AUG 2001; MONITORED 3 MAY-8	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO 	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N	TO THE NE AN RED 13 APR-18 st Seen
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius	II: NEST TREE BASE I: NEST TREE IS A BI 2 FLEDGED. NEST 7: PVT? 9 927 1: Excellent 2 Natural/Native occur 2 Presumed Extant 2 Unknown 1: Saxon (3812146/49) 7: Solano 1: 38.41587° / -121.72 2 cone-10 N4252731 2 80 meters	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITORED Map Index: rrence 7B)	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE ; 1 FLEDGED. NEST I EO Index: 44	JES DIRECTLY OVER THE SE AND SW, A 1 0 4 APR-15 AUG 2001; MONITORED 3 MAY-8 021	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDG Record Last Township: Range: Section:	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N 02E 35	TO THE NE ANI RED 13 APR-18 st Seen 2005-08-26 2005-08-26
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	II: NEST TREE BASE I: NEST TREE IS A BI 2 FLEDGED. NEST 7: PVT? 9 927 1: Excellent 2 Natural/Native occur 2 Presumed Extant 2 Unknown 1: Saxon (3812146/49) 7: Solano 1: 38.41587° / -121.72 2 cone-10 N4252731 2 80 meters	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITORED Map Index: rrence 7B)	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITOREE ; 1 FLEDGED. NEST I EO Index: 44	JES DIRECTLY OVER THE SE AND SW, A 1 0 4 APR-15 AUG 2001; MONITORED 3 MAY-8 021	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO Record Last Township: Range:	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N 02E 35	TO THE NE AN RED 13 APR-18 st Seen
Location Detai Ecologica General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 2 FLEDGED. NEST 7: PVT? 9. 927 1: Excellent 2: Natural/Native occur 2: Natural/Native occur 2: Natural/Native occur 2: Natural/Native occur 2: Natural/Native occur 2: Saxon (3812146/49) 7: Solano 1: 38.41587° / -121.72 Zone-10 N4252731 2: 80 meters 2: 30 ft	IS ON THE S LUE GUM EU 0 10 MAY-10 . MONITOREE Map Index: 4 rrence 7B) 237° E611538	OUTH SHOULDER C JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004 44021	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITORED ; 1 FLEDGED. NEST I EO Index: 44 Mapping PrecisionS Symbol Type:F	JES DIRECTLY OVER THE SE AND SW, A 1 0 4 APR-15 AUG 2001; MONITORED 3 MAY-8 021	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO Record Last Township: Range: Section: Meridian:	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N 02E 35	TO THE NE AN RED 13 APR-18 st Seen
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 7: PVT? 9. 927 10. 927 11. Excellent 2 Natural/Native occut 2 Presumed Extant 2 Unknown 12. Solano 13. 8.41587° / -121.72 2 Jone-10 N4252731 2 80 meters 2 30 ft 11. SOUTH SIDE OF M	IS ON THE S LUE GUM EL 0 10 MAY-10 . MONITOREE Map Index: 4 rrence 7B) 237° E611538	OUTH SHOULDER G JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004 44021	F THE ROAD; NEST I UNDED BY CORN TO D. NEST MONITORED ; 1 FLEDGED. NEST I EO Index: 44 Mapping PrecisionS Symbol Type:F BULKLEY ROAD, 10	UES DIRECTLY OVER THE SE AND SW, A 0.4 APR-15 AUG 2001; MONITORED 3 MAY-8 021	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO Record Last Record Last Township: Range: Section: Meridian: N.	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N 02E 35 M	TO THE NE ANI RED 13 APR-18 2005-08-26 2005-08-26 2007-07-17 Qtr: NW
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	II: NEST TREE BASE II: NEST TREE IS A BI 2 FLEDGED. NEST 2 FLEDGED. NEST 7: PVT? 9. 927 12 Excellent 2 Natural/Native occut 2 Presumed Extant 2 Unknown 12 Saxon (3812146/49) 13 Solano 13 SA1587° / -121.72 2 Jone-10 N4252731 2 Solano 13 SA1587° / -121.72 2 Jone-10 N4252731 2 Solano 13 SA1587° / -121.72 2 Jone-10 N4252731 2 Solano 13 SA1587° / -121.72 2 Jone-10 N4252731 2 Solano 13 SA1587° / -121.72 2 Jone-10 N4252731 2 Solano 13 SOUTH SIDE OF M 11 RESSEGUIE'S SAX A POWER POLE.	IS ON THE S LUE GUM EL O 10 MAY-10 . MONITORED Map Index: 4 rrence 7B) 237° E611538 IDWAY ROAI CON 3. NEST	OUTH SHOULDER G JCALYPTUS; SURRO JUL 2000; 1 FLEDGE D 7 MAR-22 JUL 2004 44021 D, 0.1 MILE WEST OF TREE IS THE LARGE	F THE ROAD; NEST L UNDED BY CORN TO D. NEST MONITORED ; 1 FLEDGED. NEST I EO Index: 44 Mapping PrecisionS Symbol Type:F BULKLEY ROAD, 10 ST WALNUT IN A RO	UES DIRECTLY OVER THE SE AND SW, A 10 04 APR-15 AUG 2001; MONITORED 3 MAY-8 021 021 SPECIFIC POINT MILES ESE OF DIXO	THE EASTBOUND YOUNG WALNUT O 1 FLEDGED. NEST JUL 2005; 2 FLEDO Record Last Record Last Range: Section: Meridian: N. THE SOUTH SIDE O	LANE. RCHARD T MONITOF SED. Dates La: Element: Site: Updated: 07N 02E 35 M OF MIDWA	TO THE NE AN RED 13 APR-18 2005-08-26 2005-08-26 2007-07-17 Qtr: NW

Swainson's hawk Stat			- NDDB Element Ranks -	Element C	ode: ABNKC19070		
Federal: None	45		Global: G5		CDFG Stat	us:	
State: Threate	ned		State: S2				
			RED TREES, JUNIPER-SAGE				
			REAS SUCH AS GRASSLAND				
Occurrence No	. 945 <b>Ma</b>	ap Index: 45955	EO Index:	45955		Dates Las	st Seen ———
Occ Rank:					I	Element:	
-	: Natural/Native occurre : Presumed Extant	nce				Site:	2005-08-14
	Unknown				Record Last	Updated:	2007-11-20
	: Allendale (3812148/49	48B)					
County Summary						0.011	
-	38.37966º / -121.8807 Zone-10 N4248533 E5				Township: Range:		
	80 meters		Mapping Precis	ionSPECIFIC	Section:		Qtr: SE
Elevation	: 60 ft		Symbol Ty	pe:POINT	Meridian:	М	
Location	: 0.15 MILE WEST OF F	FOX ROAD, 0.4 MII	LE SOUTH OF SPRR TRACK,	5 MILES SW OF DIXON.			
Location Detai	I:NEST TREE IS A SING	GLE, LARGE (85') I	EUCALYPTUS IN THE YARD C	F A FARMSTEAD AT 66	45 FOX ROAD; NEST	IS LOCAT	ED AT THE 85% HEIG
Ecological	I: NEST TREE IS A BLU ALFALFA TO THE SW		TUS; SURROUNDED BY PAST	URE TO THE NE, CORN	TO THE SE, ALFALF	A TO THE	NW, AND CORN AND
General			BRINGING PREY ITEMS TO NE TIVE. NEST SITE MONITOREE				
Owner/Manager	: PVT						
Occurrence No	. 946 Ma	ap Index: 45956	EO Index:	45956		Dates Las	st Seen
Occ Rank:					I		2005-07-22
•	Natural/Native occurre	nce				Site:	2005-07-22
	Presumed Extant				Record Last	Updated:	2007-06-14
Quad Summary County Summary	: Allendale (3812148/49	18B)					
	: 38.37716º / -121.8921				Toumahin	06N	
-	Zone-10 N4248244 E5				Township: Range:		
	80 meters		Mapping Precis	sionSPECIFIC	Section:		Qtr: SW
Elevation	: 65 ft		Symbol Ty	vpe:POINT	Meridian:	М	
	: 0.25 MILE EAST OF L						
Location Detai			IE CENTRAL PART OF A ROW RTY. 2005 NEST TREE WAS T			1 THE FAR	M BUILDINGS NEARL
Ecological			THOUGH WHICH OF SEVER		-	DT BE DET	ERMINED.
General	: NEST MONITORED 3	APR-22 AUG 2001	; 1 FLEDGED. NEST MONITO 22 JUL 2005; 1 FLEDGED.			MONITOF	RED 3 MAY-5 AUG 200
Owner/Manager							
Occurrence No	. 947 <b>Ma</b>	ap Index: 45958	EO Index:	45958		Dates Las	st Seen
Occ Rank:					I		2005-08-28
-	: Natural/Native occurre : Presumed Extant	nce				Site:	2005-08-28
					Record Last	Updated:	2007-06-18
	: Allendale (3812148/49	18B)					
	: Solano						
Quad Summary County Summary		<sup>10</sup>			Township:		
County Summary Lat/Long	: 38.39844º / -121.8793				Range: Section:		Qtr: NE
County Summary Lat/Long UTM:	Zone-10 N4250619 E5		Manning Prosis		aecuon:	00	GUL NL
County Summary Lat/Long UTM:	Zone-10 N4250619 E5 80 meters		Mapping Precis Symbol Ty		Meridian:	М	
County Summary Lat/Long UTM: Radius: Elevation	Zone-10 N4250619 E5 80 meters 65 ft	597860		pe:POINT		М	
County Summary Lat/Long UTM: Radius: Elevation Location	Zone-10 N4250619 E5 80 meters 65 ft WEST SIDE OF FOX F	597860 ROAD, 0.2 MILE SO LOCATED ALONG	Symbol Ty	/ILES SW OF DIXON.	Meridian:		

01-1					ment Code: ABNKC19070 Other Lists		
Federal: None	us —		NDDB Element     Global: G5	Ranks	CDFG Stat		
State: Threate	ned		State: S2		CDFG Sta	lus.	
			Olulo: 02				
General: BREED				PER-SAGE FLATS, RIPARIA			
				ASSLANDS, OR ALFALFA C			
							ENT FOI DEATIONS.
Owner/Manager	: PVI						
Occurrence No	. 948	Map Index:	45959	EO Index: 45959		Dates La	
Occ Rank:							2001-08-15
-	Natural/Native occ	currence				Site:	2005-07-22
	Presumed Extant						
Trend:	Unknown				Record Las	t Updated:	2007-06-19
Quad Summary	: Allendale (381214	18/498B)					
County Summary	: Solano						
Lat/Long	38.38685º / -121.9	90035°			Township:	06N	
UTM:	Zone-10 N424931	10 E596038			Range:	01E	
Radius:	80 meters		Мар	ping PrecisionSPECIFIC	Section:	07	Qtr: NE
Elevation	: 70 ft			Symbol Type:POINT	Meridian:	М	
Location				EWIS ROAD, 6 MILES SW O			
Location	. 0.1 WILL 300111	OI SID CANA					
	ROAD.			EST TREE (A 14-METER BL BY MANY SMALLER TREES			
Ecological	ROAD. : NEST TREE IS A SOUTH OF THE I	LARGE BLACH FARMSTEAD A	K WALNUT SURROUNDED I AND NORTH TO THE CANAL	·	; SURROUNDED BY ALFALI HE CANAL.		
Ecological	ROAD. : NEST TREE IS A SOUTH OF THE I NEST MONITOR	LARGE BLACH FARMSTEAD A	K WALNUT SURROUNDED I AND NORTH TO THE CANAL	BY MANY SMALLER TREES L, WITH CORN NORTH OF T	; SURROUNDED BY ALFALI HE CANAL.		
Ecological General	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORE : PVT	LARGE BLACH FARMSTEAD A	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T	; SURROUNDED BY ALFALI HE CANAL. 2005.		WEST, EAST, AND
Ecological General Owner/Manager	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT : 949	LARGE BLACI FARMSTEAD A ED 25 APR-15	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE	WEST, EAST, AND
Ecological General Owner/Manager Occurrence No Occ Rank:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT : 949	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index:	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE Dates La Element:	WEST, EAST, AND
Ecological General Owner/Manager Occurrence No Occ Rank: Origin:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT . 949 Poor	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index:	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE Dates La Element:	st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT - 949 Poor Natural/Native occ	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index:	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	; SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE Dates La Element: Site:	st Seen
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT : 949 Poor Natural/Native occ Presumed Extant	LARGE BLACH FARMSTEAD A ED 25 APR-15 Map Index: currence	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	; SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE Dates La Element: Site:	St Seen 2001-06-19 2005-06-25
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORIE : PVT . 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214	LARGE BLACH FARMSTEAD A ED 25 APR-15 Map Index: currence	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	; SURROUNDED BY ALFALI HE CANAL. 2005.	FA TO THE Dates La Element: Site:	St Seen 2001-06-19 2005-06-25
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORIE : PVT . 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214	LARGE BLACI FARMSTEAD A ED 25 APR-15 Map Index: currence I8/498B)	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	; SURROUNDED BY ALFALI HE CANAL. 2005.	Dates La Element: Site: t Updated:	St Seen 2001-06-19 2005-06-25
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index: currence 18/498B) 90580°	K WALNUT SURROUNDED   AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	; SURROUNDED BY ALFALI HE CANAL. 2005.  Record Las	Dates La Element: Site: t Updated: 07N	St Seen 2001-06-19 2005-06-25
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORIE : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.41695° / -121.5	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index: currence 18/498B) 90580°	K WALNUT SURROUNDED I IND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA 45961	BY MANY SMALLER TREES L, WITH CORN NORTH OF T IN 2002, 2004, AND 2	SURROUNDED BY ALFALI HE CANAL. 2005. Record Las	Dates La Element: Site: t Updated: 07N 01E	St Seen 2001-06-19 2005-06-25
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORI : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.41695° / -121.3 Zone-10 N425264 80 meters	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index: currence 18/498B) 90580°	K WALNUT SURROUNDED I IND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA 45961	BY MANY SMALLER TREES L, WITH CORN NORTH OF T ACTIVE IN 2002, 2004, AND 2 EO Index: 45961	SURROUNDED BY ALFALI HE CANAL. 2005. Record Las Township: Range:	Dates La Element: Site: t Updated: 07N 01E 31	st Seen 2001-06-19 2005-06-25 2007-06-20
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	ROAD. : NEST TREE IS A SOUTH OF THE I : NEST MONITORIE : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.41695° / -121.3 Zone-10 N425264 80 meters : 80 ft	LARGE BLACK FARMSTEAD A ED 25 APR-15 Map Index: currence 18/498B) 90580° 45 E595522	K WALNUT SURROUNDED I IND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA 45961 Map	BY MANY SMALLER TREES L, WITH CORN NORTH OF T ACTIVE IN 2002, 2004, AND 2 EO Index: 45961	SURROUNDED BY ALFALI HE CANAL. 2005. Record Las Township: Range: Section: Meridian:	Dates La Element: Site: t Updated: 07N 01E 31	st Seen 2001-06-19 2005-06-25 2007-06-20
Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	ROAD. : NEST TREE IS A SOUTH OF THE I NEST MONITORIE : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.41695° / -121.1 Zone-10 N425264 80 meters : 80 ft : SOUTH SIDE OF	LARGE BLACI FARMSTEAD A ED 25 APR-15. Map Index: currence I8/498B) 90580° 45 E595522 MIDWAY ROA	K WALNUT SURROUNDED I AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA 45961 Mapj D, OPPOSITE THE END OF	BY MANY SMALLER TREES L, WITH CORN NORTH OF T ACTIVE IN 2002, 2004, AND 2 EO Index: 45961 ping PrecisionSPECIFIC Symbol Type:POINT	SURROUNDED BY ALFALI HE CANAL. 2005. Record Lass Township: Range: Section: Meridian: E DIXON.	Dates La Element: Site: t Updated: 07N 01E 31 M	St Seen 2001-06-19 2005-06-25 2007-06-20 Qtr: NE
Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	ROAD. : NEST TREE IS A SOUTH OF THE I NEST MONITORI : PVT : 949 Poor Natural/Native occ Presumed Extant Unknown : Allendale (381214 : Solano : 38.41695° / -121.5 Zone-10 N425264 80 meters : 80 ft : SOUTH SIDE OF : NEST TREE WAS	LARGE BLACK FARMSTEAD A ED 25 APR-15. Map Index: currence 18/498B) 90580° 15 E595522 MIDWAY ROA S A BLUE GUM S A SOLITARY,	K WALNUT SURROUNDED I AND NORTH TO THE CANAL AUG 2001; 1 FLEDGED. INA 45961 	BY MANY SMALLER TREES L, WITH CORN NORTH OF T ACTIVE IN 2002, 2004, AND 2 EO Index: 45961 ping PrecisionSPECIFIC Symbol Type:POINT DE MELLO, 5 MILES SW OF	SURROUNDED BY ALFALI HE CANAL. 2005. Record Las Township: Range: Section: Meridian: F DIXON. .DER, ADJACENT TO AN IR	Dates La Element: Site: t Updated: 07N 01E 31 M	EWEST, EAST, AND st Seen 2001-06-19 2005-06-25 2007-06-20 Qtr: NE CANAL.

					ement Code: ABNKC19070		
Stat	us			ment Ranks	Other Lists		
Federal: None State: Threate	ned		Global: State:		CDFG Sta	tus:	
	ssociations ——		otate.	02			
		S WITH WITH S	CATTERED TREES.	JUNIPER-SAGE FLATS, RIPARIA	N AREAS, SAVANNAHS, &	AGRICULT	URAL OR RANCH
				AS GRASSLANDS, OR ALFALFA			
Occurrence No	. 950	Map Index: 4	45973	EO Index: 45973		Dates La	st Seen
Occ Rank	Good					Element:	2002-06-XX
Origin	Natural/Native occ	currence				Site:	2005-08-11
	Presumed Extant				Pocord Las	t Undatod.	2007-06-28
Irend	Unknown				Record Las	i opuaieu.	2007-00-20
Quad Summary	: Dozier (3812137/4	498D)					
County Summary	: Solano						
Lat/Long	: 38.36424º/-121.8	80680°			Township	: 06N	
-	Zone-10 N424690				Range:		
Radius	80 meters			Mapping PrecisionSPECIFIC	Section:	13	Qtr: SE
Elevation	: 30 ft			Symbol Type:POINT	Meridian:	Μ	
Ecologica	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE	S THE LARGES ST TREE WAS ED 27 APR-18 A	T COTTONWOOD NE/ IN A CLUSTER OF CC AUG 2001; NEST NOT	2000. 2001 NEST TREE WAS LC AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2	ST END OF	THE FIELD NORTH
Ecologica General Owner/Manager	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT	5 THE LARGES ST TREE WAS ED 27 APR-18 <i>F</i> MAY, BUT NO C	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2	6T END OF 14 JUL 2002	THE FIELD NORTH
Ecologica General Owner/Manager Occurrence No	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951	S THE LARGES ST TREE WAS ED 27 APR-18 A	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2	ST END OF 4 JUL 2002	THE FIELD NORTH 2; NEST-BUILDING st Seen
Ecologica General Owner/Manager Occurrence No Occ Rank	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent	S THE LARGES ST TREE WAS ED 27 APR-18 / MAY, BUT NO C MAP Index: 4	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2	T END OF 4 JUL 2002 Dates La Element:	THE FIELD NORTH ?; NEST-BUILDING st Seen 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951	S THE LARGES ST TREE WAS ED 27 APR-18 / MAY, BUT NO C MAP Index: 4	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2	ST END OF 4 JUL 2002	THE FIELD NORTH 2; NEST-BUILDING st Seen
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ	S THE LARGES ST TREE WAS ED 27 APR-18 / MAY, BUT NO C MAP Index: 4	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.	T END OF 4 JUL 2002 Dates La Element: Site:	THE FIELD NORTH ?; NEST-BUILDING st Seen 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: A currence	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.	T END OF 4 JUL 2002 Dates La Element: Site:	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: A currence	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.	T END OF 4 JUL 2002 Dates La Element: Site:	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4	S THE LARGES ST TREE WAS ED 27 APR-18 <i>A</i> MAY, BUT NO C Map Index: 4 currence	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND :	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.	3T END OF 4 JUL 2002 • Dates La Element: Site: t Updated:	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 r: Solano : 38.33705º / -121.6 Zone-10 N424383	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 currence 498D) 55668°	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.  Record Las Township: Range:	T END OF JUL 2002 Dates La Element: Site: t Updated: ON 01E	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16 2007-06-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 : Solano : 38.33705º / -121.8 Zone-10 N424383 : 80 meters	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 currence 498D) 55668°	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979 Mapping PrecisionSPECIFIC	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND. Record Las Township: Range: Section:	Contemporation     Contempo	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 : Solano : 38.33705º / -121.8 Zone-10 N424383 : 80 meters	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 currence 498D) 55668°	T COTTONWOOD NE, IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA :	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND.  Record Las Township: Range:	Contemporation     Contempo	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16 2007-06-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 : Solano : 38.33705º / -121.8 Zone-10 N424383 : 80 meters : 45 ft	A THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 currence 498D) 85668° 31 E599920	T COTTONWOOD NE/ IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA : 15979	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979 Mapping PrecisionSPECIFIC	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND. Record Las Township: Range: Section: Meridian:	Contemporation     Contempo	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2005-08-16 2007-06-28
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES : NEST MONITORE OBSERVED, 12 M : PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 : Solano : 38.33705° / -121.8 Zone-10 N424383 : 80 meters : 45 ft : NORTH SIDE OF	A THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 Currence 498D) 85668° 31 E599920 FRY ROAD, 0.2	T COTTONWOOD NE/ IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA : 15979	AR THE SOUTH END OF THE RO DITTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979 Mapping PrecisionSPECIFIC Symbol Type:POINT	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND. Record Las Township: Range: Section: Meridian: IS AIR FORCE BASE.	Constant of the second se	THE FIELD NORTH 2; NEST-BUILDING st Seen 2005-08-16 2007-06-28 Qtr: NW
Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	PEDRICK ROAD. I: NEST TREE WAS THE HOUSE. NES NEST MONITORE OBSERVED, 12 M PVT . 951 : Excellent : Natural/Native occ : Presumed Extant : Unknown : Dozier (3812137/4 :: Solano : 38.33705º / -121.8 Zone-10 N424383 : 80 meters : 45 ft :: NORTH SIDE OF I: NEST TREE IS TH NEST TREE.	S THE LARGES ST TREE WAS ED 27 APR-18 A MAY, BUT NO C Map Index: 4 Surrence 498D) 85668° 31 E599920 FRY ROAD, 0.2 HE EASTERNM BLUE GUM EU	T COTTONWOOD NE/ IN A CLUSTER OF CC AUG 2001; NEST NOT HICKS SEEN. SWHA : 45979 2 MILE EAST OF CLAF OST OF TWO BLUE G CALYPTUS (18 METE	AR THE SOUTH END OF THE RO DTTONWOODS WHOSE TRUNKS VISIBLE AFTER 19 MAY 2001. N SIGHTINGS ONLY IN 2004 AND : EO Index: 45979 Mapping PrecisionSPECIFIC Symbol Type:POINT RK ROAD, 6 MILES NE OF TRAV	DW OF TREES, AT THE WES S ARE VERY CLOSE. IEST MONITORED 12 MAY-2 2005; NO NEST FOUND. Record Las Record Las Range: Section: Meridian: IS AIR FORCE BASE. HE NORTH SHOULDER; NE	Context La Element: Oates La Element: Site: t Updated: 06N 01E 27 M ST IS AT 8	THE FIELD NORTH 2; NEST-BUILDING st Seen

Swainson's hawk					Element (	Code: ABNKC19070		
Federal: None	us ———			SElement Ranks - bbal: G5		Other Lists		
State: Threater	ned			tate: S2		CDFG Stat	us:	
	ssociations —		-					
		DS WITH WITH	SCATTERED TRE	ES. JUNIPER-SAGE	FLATS, RIPARIAN ARE	AS. SAVANNAHS. & A	GRICULT	JRAL OR RANCH
					S, OR ALFALFA OR GRA			
Occurrence No.	. 955	Map Index:	46157	EO Index:	46157	_	Dates La	st Seen
Occ Rank:	Good							2005-08-21
•	Natural/Native c						Site:	2005-08-21
	Presumed Extai Unknown	.nt				Record Last	t Updated:	2005-11-09
Quad Summary:		7/498A)						
County Summary	: Solano							
	38.39487º / -12					Township:		
	Zone-10 N4250 80 meters	)265 E601330		Monning Brook		Range: Section:		Qtr: SW
Elevation:				Mapping Precis Symbol T	/pe:POINT	Meridian:		<b>Q</b> (1. 5W
					S ROAD, 3.4 MILES SSW			
Location Detail					A SMALL, BROKEN WIN LEANING TRUNK OF TH			
Ecological	: NEST TREE IS	A BLUE GUM E	UCALYPTUS; SUF	ROUNDED BY ALFA	LFA TO THE SW AND S	E, AND CULTIVATED	ELSEWHE	RE.
General:					2001; 2 FLEDGED. INAC			2004; INCUBATION
	OBSERVED, BI		JNKNOWN. NEST	ACTIVE IN 2005; INC	UBATION OBSERVED, E	SUT NO CHICK DETE	CIED.	
Owner/Manager	: PVT							
Occurrence No.	956	Map Index:	46160	EO Index:	46160		Dates La	st Seen
Occ Rank:		map maex.	10100	Lo matx	10100			2005-08-17
	Natural/Native c	occurrence					Site:	
•	Presumed Exta							
Trend:	Unknown					Record Last	t Updated:	2005-12-06
Quad Summary:	• Dixon (3812147	7/498A)						
County Summary		, 100.1)						
Lat/Long	: 38.43683º/-12	21 82384º				Township:	07N	
-	Zone-10 N4254					Range:		
Radius:	80 meters			Mapping Preci	sionSPECIFIC	Section:	23	Qtr: SE
Elevation:	: 60 ft			Symbol T	/pe:POINT	Meridian:	М	
Location	: SILVEYVILLE C	CEMETERY, ON	THE WEST SIDE	OF HIGHWAY 113, O	N THE SOUTH EDGE OF	DIXON		
Location Detail					ND-TOPPED PINE IN TH	HE IMMEDIATE AREA	; NEST FA	CES SOUTH.
	RELATIONSHI	P OF THIS NEST	SITE AND CNDD	B #863 UNCLEAR.				
Ecological				ROUNDED BY URBA Y/ROW CROP TO TH	N/CEMETERY TO THE	SE, CEMETERY/ROW	/ CROP TC	THE SW,
			). BUT NO NEST F	OUND. NEST MONIT	ORED 5 APR-2 AUG 200			
General				04.1 FLEDGED NE	ST MONITORED 1 MAY	17 AUG 2005 OCCU	.20, 001	
	FLEDGED. NES			004; 1 FLEDGED. NE	ST MONITORED 1 MAY-	17 AUG 2005; OCCUF		
General: Owner/Manager	FLEDGED. NES			004; 1 FLEDGED. NE	ST MONITORED 1 MAY-	17 AUG 2005; OCCUI		4 C
	FLEDGED. NES		23 APR-18 JUL 20	004; 1 FLEDGED. NE EO Index:			Dates La	st Seen
Owner/Manager Occurrence No. Occ Rank:	FLEDGED. NES : UNKNOWN . 957 : Good	ST MONITORED Map Index:	23 APR-18 JUL 20				Element:	2004-08-10
Owner/Manager Occurrence No Occ Rank: Origin:	FLEDGED. NES : UNKNOWN . 957 : Good : Natural/Native c	ST MONITORED Map Index: occurrence	23 APR-18 JUL 20				Element:	
Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	FLEDGED. NES : UNKNOWN . 957 : Good	ST MONITORED Map Index: occurrence	23 APR-18 JUL 20				Element: Site:	2004-08-10
Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	FLEDGED. NES : UNKNOWN . 957 : Good : Natural/Native c : Presumed Extai Unknown	ST MONITORED Map Index: occurrence ant	23 APR-18 JUL 20				Element: Site:	2004-08-10 2005-08-04
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	FLEDGED. NES : UNKNOWN . 957 : Good : Natural/Native of Presumed Extain Unknown : Dixon (3812147	ST MONITORED Map Index: occurrence ant	23 APR-18 JUL 20				Element: Site:	2004-08-10 2005-08-04
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	FLEDGED. NES : UNKNOWN . 957 : Good : Natural/Native of Presumed Extain Unknown : Dixon (3812147	ST MONITORED Map Index: occurrence ant 7/498A)	23 APR-18 JUL 20				Element: Site: t Updated:	2004-08-10 2005-08-04
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	FLEDGED. NES : UNKNOWN 957 Good Natural/Native of Presumed Extain Unknown : Dixon (3812147 : Solano 38.41730° / -12 Zone-10 N4252	ST MONITORED Map Index: occurrence ant 7/498A) 21.81964°	23 APR-18 JUL 20	EO Index:	46162	Record Last Township: Range:	Element: Site: t Updated: 07N 01E	2004-08-10 2005-08-04 2005-12-06
Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	FLEDGED. NES : UNKNOWN 957 Good Natural/Native of Presumed Extan Unknown : Dixon (3812147 : Solano : 38.41730° / -12 Zone-10 N4252 7.6 acres	ST MONITORED Map Index: occurrence ant 7/498A) 21.81964°	23 APR-18 JUL 20	EO Index: Mapping Precis	46162	Record Lasi Township: Range: Section:	Element: Site: t Updated: 07N 01E 25	2004-08-10 2005-08-04
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	FLEDGED. NES : UNKNOWN 957 Good Natural/Native of Presumed Extan Unknown : Dixon (3812147 : Solano : 38.41730° / -12 Zone-10 N4252 7.6 acres	ST MONITORED Map Index: occurrence ant 7/498A) 21.81964°	23 APR-18 JUL 20	EO Index: Mapping Precis	46162	Record Last Township: Range:	Element: Site: t Updated: 07N 01E 25	2004-08-10 2005-08-04 2005-12-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	FLEDGED. NES : UNKNOWN 957 Good Presumed Extai Unknown : Dixon (3812147 : Solano : 38.41730° / -12 Zone-10 N4252 7.6 acres : 50 ft	ST MONITORED Map Index: occurrence ant 7/498A) 21.81964° 2776 E603043	23 APR-18 JUL 20	EO Index: Mapping Precia Symbol T	46162	Record Last Township: Range: Section: Meridian:	Element: Site: t Updated: 07N 01E 25	2004-08-10 2005-08-04 2005-12-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	FLEDGED. NES : UNKNOWN 957 Good Natural/Native of Presumed Extant Unknown : Dixon (3812147 : Solano : 38.41730° / -12 Zone-10 N4252 7.6 acres : 50 ft : NORTH SIDE C I: FIRST 2001 NE	Map Index: occurrence ant 7/498A) 21.81964° 2776 E603043 OF MIDWAY RO/ EST DISAPPEAR	23 APR-18 JUL 20 46162 AD, 0.15 MILE EAS ED; FINAL 2001 N	EO Index Mapping Preci- Symbol T T OF HIGHWAY 113 EST WAS LOCATED	46162 sionSPECIFIC ype:POLYGON 1.5 MILES SOUTH OF E AT THE 80% HEIGHT O	Record Last Township: Range: Section: Meridian: DIXON F THE SECOND TRE!	Element: Site: t Updated: 07N 01E 25 M E NORTH (	2004-08-10 2005-08-04 2005-12-06 Qtr: SW
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Detail	FLEDGED. NES : UNKNOWN 957 Good Presumed Extai Unknown : Dixon (3812147 : Solano : 38.41730° / -12 Zone-10 N4252 7.6 acres : 50 ft : NORTH SIDE C I: FIRST 2001 NE MIDWAYROAD	Map Index: occurrence ant 7/498A) 21.81964° 2776 E603043 DF MIDWAY RO/ EST DISAPPEAR D). 2002 NESTS E	23 APR-18 JUL 20 46162 AD, 0.15 MILE EAS ED; FINAL 2001 N BUILT IN TREES N	EO Index: Mapping Precia Symbol T T OF HIGHWAY 113 EST WAS LOCATED EAR SOUTHERN EN	46162 sionSPECIFIC ype:POLYGON 1.5 MILES SOUTH OF D	Record Last Township: Range: Section: Meridian: DIXON F THE SECOND TREI NEAR MIDDLE OF RO	Element: Site: t Updated: 07N 01E 25 M E NORTH 0 DW.	2004-08-10 2005-08-04 2005-12-06 <b>Qtr:</b> SW DF FIRST NEST (AT 6

Swainson's hawk			Element Code: ABNKC19070		
Enderally Marca	us ————	ODDB Element Ranks     Global: G5	Other Lists		
Federal: None State: Threate	ned	State: S2	CDFG Stat	us:	
Habitat A		<b>O M O Z</b>			
		CATTERED TREES, JUNIPER-SAGE FLAT	[S. RIPARIAN AREAS, SAVANNAHS, & A	GRICULTURAL OR RANCH	
		GING AREAS SUCH AS GRASSLANDS, OF			
Owner/Manager	: PVI				
Occurrence No	. 958 Map Index: 4	46163 EO Index: 461	.63 —	Dates Last Seen	
Occ Rank	Good		1	Element: 2001-07-21	
-	Natural/Native occurrence			Site: 2001-07-21	
	Presumed Extant		Record Last	Updated: 2001-10-16	
				·	
-	: Dixon (3812147/498A)				
County Summary	: Solano				
-	38.39554° / -121.86824°		Township:		
	Zone-10 N4250308 E598830 1/10 mile	Mapping PrecisionN	ION-SPECIFIC Section:		
Elevation		Symbol Type:P			
!					
		ROVE, BETWEEN WEBER AND FOX ROAD			TO T:
Ecologica	NEST TREE IS A BLUE GUM EU NW, PASTURE TO THE SW, AND	CALYPTUS (~32 METERS TALL); SURROU D UNKNOWN TO THE SE.	INDED BY ALFALFA/RUDERAL TO THE I	NE, ROW CROP/RUDERAL	. 10 TH
Conser		RED FROM 3 MAY-21 JUL 2001; 1 CHICK O		1	
		LED FROM 5 MAT-2 FJUE 2001; FCHICK U	DOLIVED ON TO JUN 2001, I FLEDGED	•	
Owner/Manager	: PVI				
Occurrence No	. 959 Map Index: 4	16164 EO Index: 461	64	Dates Last Seen	
Occ Rank	•			Element: 2001-08-02	
Origin	Natural/Native occurrence			Site: 2005-06-24	
	Presumed Extant		Peperd Last	t Updated: 2005-12-06	
Trend:	Unknown			Opualeu. 2003-12-00	
Quad Summary	: Dixon (3812147/498A)				
County Summary	: Solano				
Lat/Long	: 38.44565°/-121.85986°		Township:	07N	
	Zone-10 N4255878 E599493	·· · · · · ·	Range:		
Elevation	80 meters	Mapping PrecisionS Symbol Type:P			
		AVENUE, JUST WEST OF I-80, WEST OF D			
Location Detai	I:NEST TREE WAS LOCATED BE HEIGHT OF THE LARGEST BLA	TWEEN THE STOP SIGN FOR SCHROEDE	R ROAD AND THE I-80 FREEWAY. NEST	F WAS SMALL; AT THE 85%	6
Ecologian		.NUT (~15 METERS IN HEIGHT); SURROUI			
Ecologica		THE NE, AND BEANS/FRUIT STAND/REST/		NOT ORCHARD TO THE SV	V, INC
General		UG 2001; NEST PRESENT, BUT NO CHICK	S SEEN NEST MONITORED 13 APR-9 1		
Concra		IONITORED 13 APR-16 JUL 2004; ONLY CF			
Owner/Manager	: PVT				
Occurrence No		46165 <b>EO Index:</b> 461		Dates Last Seen	
Occ Rank:	Excellent Natural/Native occurrence			Element: 2005-09-08 Site: 2005-09-08	
•	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> </ul>			Une. 2000-09-00	
	Unknown		Record Last	Updated: 2005-12-07	
Quad Summary	: Dixon (3812147/498A)				
County Summary	. ,				
Lat/Long	38.43616º / -121.87322º		Township:	07N	
-	Zone-10 N4254811 E598340		Range:		
01111.	80 meters	Mapping PrecisionS	PECIFIC Section:	21 Qtr: SW	
Radius	: 70 ft	Symbol Type:P	OINT Meridian:	Μ	
			, 2 MILES SW OF DIXON		
Radius: Elevation	: EAST BANK OF MCCLURE CRE	ER, JUST NORTH OF THE I-60 CROSSING			
Radius: Elevation Location	I:2001 NEST WAS LOCATED AT T	THE 85% HEIGHT, ON THE EAST SIDE, OF		AS NOT VISIBLE, BUT IT W	AS
Radius: Elevation Location	I:2001 NEST WAS LOCATED AT T			AS NOT VISIBLE, BUT IT W.	AS
Radius: Elevation Location Location Detai	I:2001 NEST WAS LOCATED AT T PRESUMED TO BE LOCATED IN	THE 85% HEIGHT, ON THE EAST SIDE, OF			

	us ————	NDDB Element Ranks	Oth	er Lists ——	
Federal: None	u3	Global: G5		CDFG Status:	
State: Threate	ned	State: S2		021001440	
Habitat As	ssociations —				
		H SCATTERED TREES, JUNIPER-SAG	E FLATS, RIPARIAN AREAS, SAVAN	NAHS, & AGRICL	LTURAL OR RANCH
Micro: REQUI	RES ADJACENT SUITABLE FO	RAGING AREAS SUCH AS GRASSLAN	DS, OR ALFALFA OR GRAIN FIELDS	SUPPORTING R	ODENT POPULATIONS.
Owner/Manager	: PVT				
Occurrence No	. 961 Map Index	• 46171 <b>FO Inde</b>	<b>x:</b> 46171	Dates	Last Seen
Occ Rank:					nt: 2004-07-18
	Natural/Native occurrence			Sit	e: 2005-07-17
Presence	Presumed Extant				
Trend:	Unknown		R	ecord Last Updat	ed: 2005-12-07
Quad Summary	: Dixon (3812147/498A)				
County Summary	: Solano				
Lat/Long	38.40920º / -121.85893º		1	Township: 07N	
UTM:	Zone-10 N4251834 E599624			Range: 01E	
Radius:	80 meters	Mapping Prec	sisionSPECIFIC	Section: 34	Qtr: SW
Elevation	: 65 ft	Symbol	Type:POINT	Meridian: M	
Location	: EAST SIDE OF BATAVIA RO	AD, IN BATAVIA, SW OF DIXON			
	THE NEST TREE.				
Ecological	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2	NALNUT (~19 METERS IN HEIGHT); SU	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO	CORN TO THE N	W, AND MIXED -25 AUG 2002; 1 FLEDG
Ecological	THE NEST TREE. NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 1	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO	CORN TO THE N	W, AND MIXED -25 AUG 2002; 1 FLEDG
Ecological General	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO	CORN TO THE N NITORED 13 APR WN. UNOCCUPII	W, AND MIXED -25 AUG 2002; 1 FLEDG
Ecological General Owner/Manager	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNC	CORN TO THE N NITORED 13 APR WN. UNOCCUPII	W, AND MIXED 25 AUG 2002; 1 FLEDG ED IN 2005.
Ecological General Owner/Manager Occurrence No Occ Rank:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNC	CORN TO THE N NITORED 13 APF WN. UNOCCUPII — Dates Elemer	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen
Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT 962 Map Index Excellent Natural/Native occurrence Presumed Extant	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172	CORN TO THE N NITORED 13 APR WN. UNOCCUPII — Dates Elemer Sit	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT : 962 Map Index Excellent Natural/Native occurrence	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172	CORN TO THE N NITORED 13 APF WN. UNOCCUPII — Dates Elemer	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT 962 Map Index Excellent Natural/Native occurrence Presumed Extant	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172	CORN TO THE N NITORED 13 APR WN. UNOCCUPII — Dates Elemer Sit	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A)	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172	CORN TO THE N NITORED 13 APR WN. UNOCCUPII — Dates Elemer Sit	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A)	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNC x: 46172 R	CORN TO THE N NITORED 13 APR WN. UNOCCUPII — Dates Elemer Sit	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNC x: 46172 R	CORN TO THE N NITORED 13 APR WN. UNOCCUPIO — Dates Elemer Sit ecord Last Updat	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.40480° / -121.80463° Zone-10 N4251406 E604372 80 meters	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 8 JUL 2004; INCUBATING ON 19 APR A c: 46172 EO Index Mapping Prec	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172 R cisionSPECIFIC	CORN TO THE N NITORED 13 APF WN. UNOCCUPII — Dates Elemer Sit ecord Last Updat Fownship: 07N Range: 01E Section: 36	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen ht: 2005-08-19 e: 2005-08-19
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT . 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.40480° / -121.80463° Zone-10 N4251406 E604372 80 meters	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 8 JUL 2004; INCUBATING ON 19 APR A c: 46172 EO Index Mapping Prec	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172 R	CORN TO THE N NITORED 13 APR WN. UNOCCUPII — Dates Elemer Sit ecord Last Updat Fownship: 07N Range: 01E	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen tt: 2005-08-19 e: 2005-08-19 ed: 2005-12-07
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	THE NEST TREE. : NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT : 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.40480° / -121.80463° Zone-10 N4251406 E604372 80 meters : 40 ft	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON ' 8 JUL 2004; INCUBATING ON 19 APR A c: 46172 EO Index	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172 R cisionSPECIFIC Type:POINT	CORN TO THE N NITORED 13 APF WN. UNOCCUPII — Dates Elemer Sit ecord Last Updat Fownship: 07N Range: 01E Section: 36	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen tt: 2005-08-19 e: 2005-08-19 ed: 2005-12-07
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Loccation	THE NEST TREE.  NEST TREE WAS A BLACK V TREES/RUDERAL/HOUSES  NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1  PVT  962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown  Dixon (3812147/498A)  Solano  38.40480° / -121.80463° Zone-10 N4251406 E604372 80 meters 40 ft  WEST SIDE OF PEDRICK RC  NEST TREE IS LOCATED ON	NALNUT (-19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON 7 8 JUL 2004; INCUBATING ON 19 APR A c: 46172 EO Index Mapping Prec Symbol	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172 R cisionSPECIFIC Type:POINT AD, SOUTH OF DIXON NG THE WEST SIDE OF THE ROAD	CORN TO THE N NITORED 13 APR WN. UNOCCUPIO — Dates Elemer Sit ecord Last Updat Fownship: 07N Range: 01E Section: 36 Meridian: M	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen tt: 2005-08-19 et: 2005-08-19 ed: 2005-12-07 Qtr: 3E
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	THE NEST TREE. : NEST TREE WAS A BLACK W TREES/RUDERAL/HOUSES : NEST MONITORED 18 JUN-2 NEST MONITORED 8 MAR-1 : PVT : 962 Map Index Excellent Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.40480° / -121.80463° Zone-10 N4251406 E604372 80 meters : 40 ft : WEST SIDE OF PEDRICK RC : NEST TREE IS LOCATED ON THE NW SIDE OF THE TREE	NALNUT (~19 METERS IN HEIGHT); SU TO THE SE AND SW. 2 SEP 2001; 2 CHICKS OBSERVED ON ' 8 JUL 2004; INCUBATING ON 19 APR A (: 46172 EO Index Mapping Prec Symbol ' DAD, 0.8 MILE SOUTH OF MIDWAY ROA	RROUNDED BY BEANS TO THE NE, 18 JUN 2001, 1 FLEDGED. NEST MO ND 24 MAY, BUT OUTCOME UNKNO x: 46172 x: 46172 R cisionSPECIFIC Type:POINT AD, SOUTH OF DIXON NG THE WEST SIDE OF THE ROAD RTAIN.	CORN TO THE N NITORED 13 APR WN. UNOCCUPIO — Dates Elemer Sit ecord Last Updat Fownship: 07N Range: 01E Section: 36 Meridian: M	W, AND MIXED -25 AUG 2002; 1 FLEDG ED IN 2005. Last Seen tt: 2005-08-19 e: 2005-08-19 ed: 2005-12-07 Qtr: 3E ED AT 85% HEIGHT, ON

	us	Element Code: ABNKC19070  NDDB Element Ranks  Other Lists	
Federal: None State: Threater		Global: G5 State: S2	CDFG Status:
Habitat As	sociations —		
			PARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH ALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS
Occurrence No.	. 963 Map Index: 46176	EO Index: 46176	Dates Last Seen
Occ Rank:	Good Natural/Native occurrence		Element: 2001-07-22 Site: 2005-08-01
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-09-15
Quad Summary: County Summary	: Allendale (3812148/498B)		
	38.48942º / -121.88595º Zone-10 N4260707 E597158		Township: 07N Range: 01E
	80 meters	Mapping PrecisionSPECIF	
Elevation:	95 ft	Symbol Type:POINT	Meridian: M
		MILES WEST OF STEVENSON BRIDGE R	
Location Detail	2001 NEST TREE WAS THE SECOND	BLACK WALNUT EAST OF 5688 SIEVERS	ROAD; NEST WAS AT THE 85% HEIGHT OF THE NEST TREE.
Ecological	: NEST TREE IS A BLACK WALNUT; SU	RROUNDED BY ALFALFA TO THE SOUTH	AND CULTIVATED LAND NORTH OF THE CANAL.
General:			RED 13 MAR-22 JUL 2001; 1 FLEDGED. NEST SITE UNOCCUPIE DULT SIGHTING ON 31 MAR, BUT NO YOUNG DETECTED.
Owner/Manager:	: UNKNOWN		
Occurrence No.	. 964 Map Index: 46177	EO Index: 46177	Dates Last Seen
Occ Rank:	•		Element: 2005-09-09
-	Natural/Native occurrence		Site: 2005-09-09
	Presumed Extant Unknown		Record Last Updated: 2007-06-14
Quad Summary:	: Allendale (3812148/498B)		
County Summary	: Solano		
-	38.49617º/-121.89658º		Township: 08N
	Zone-10 N4261445 E596222 80 meters	Mapping PrecisionSPECIF	Range: 01E IC Section: 31 Qtr: SE
Elevation:		Symbol Type:POINT	Meridian: M
Location	: WEST SIDE OF GARNETT LANE, 0.4 M	/ILE NORTH OF SIEVERS ROAD, 5 MILES	NW OF DIXON.
Location Detail		WEST SHOULDER, WITH A LARGE FARM NEST FOUND IN 2005 (LIKELY USED IN 20	ISTEAD TO THE NORTH AND SOUTH; NEST WAS AT THE 90% 004).
Ecological	: NEST TREE IS A LARGE BLACK WAL	NUT, LOCATED WITHIN A FARMSTEAD; SI	JRROUNDED BY CULTIVATED LAND.
General:			30 MAR. INACTIVE IN 2002. 1 SWHA OBSERVED ON 24 APR 20
		ND IN 2005, AND NEST WAS MONITORED	28 APR-9 SEP 2005; 2 FLEDGED.
Owner/Manager:	: PV1		
Occurrence No.		<b>EO Index:</b> 46179	Dates Last Seen
Occ Rank:	Fair	<b>EO Index:</b> 46179	Dates Last Seen
Occ Rank: Origin:		EO Index: 46179	Element:         2005-08-12           Site:         2005-08-12
Occ Rank: Origin: Presence:	Fair Natural/Native occurrence	EO Index: 46179	Element: 2005-08-12
Occ Rank: Origin: Presence: Trend: Quad Summary:	Fair Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)	<b>EO Index:</b> 46179	Element:         2005-08-12           Site:         2005-08-12
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano	EO Index: 46179	Element:         2005-08-12           Site:         2005-08-12           Record Last Updated:         2007-06-14
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070°	EO Index: 46179	Element:         2005-08-12           Site:         2005-08-12           Record Last Updated:         2007-06-14           Township:         07N
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070° Zone-10 N4255911 E592437		Element: 2005-08-12 Site: 2005-08-12 Record Last Updated: 2007-06-14 Township: 07N Range: 01W
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070° Zone-10 N4255911 E592437 80 meters	EO Index: 46179 Mapping PrecisionSPECIF Symbol Type:POINT	Element: 2005-08-12 Site: 2005-08-12 Record Last Updated: 2007-06-14 Township: 07N Range: 01W
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070° Zone-10 N4255911 E592437 80 meters : 110 ft	Mapping PrecisionSPECIF Symbol Type:POINT	Element:         2005-08-12           Site:         2005-08-12           Record Last Updated:         2007-06-14           Township:         07N           Range:         01W           FIC         Section:         14
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070° Zone-10 N4255911 E592437 80 meters : 110 ft : WEST SIDE OF SWEANY CREEK, JUS : 2001 NEST TREE WAS THE TALLEST	Mapping PrecisionSPECIF Symbol Type:POINT ST EAST OF I-505 AND 0.5 MILE SOUTH OI	Element: 2005-08-12 Site: 2005-08-12 Record Last Updated: 2007-06-14 Township: 07N Range: 01W FIC Section: 14 Qtr: SE Meridian: M F ALLENDALE ROAD, 6 MILES WEST OF DIXON. ANY CREEK, ADJACENT TO A PRIVATE WILDLIFE SANCTUAR
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	Fair Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.44670° / -121.94070° Zone-10 N4255911 E592437 &0 meters : 110 ft : WEST SIDE OF SWEANY CREEK, JUS : 2001 NEST TREE WAS THE TALLEST NEST WAS AT THE 90% HEIGHT; THIS : NEST TREE IS A COTTONWOOD. THE	Mapping PrecisionSPECIF Symbol Type:POINT ST EAST OF I-505 AND 0.5 MILE SOUTH OI TREE WEST OF THE ROAD, ALONG SWE S TREE WAS DAMAGED BY THE 2001 FIR	Element: 2005-08-12 Site: 2005-08-12 Record Last Updated: 2007-06-14 Township: 07N Range: 01W FIC Section: 14 Qtr: SE Meridian: M F ALLENDALE ROAD, 6 MILES WEST OF DIXON. ANY CREEK, ADJACENT TO A PRIVATE WILDLIFE SANCTUAR

Swainson's hawk State		NDDB Element Ranks	Element Code: ABNKC19070  Other Lists
Federal: None		Global: G5	CDFG Status:
State: Threater	ned	State: S2	
Habitat As	ssociations —		
		RED TREES, JUNIPER-SAGE FLATS, R	IPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANG
Micro: REQUIF		AREAS SUCH AS GRASSLANDS, OR ALF	FALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATI
Occurrence No.	. 966 Map Index: 46190	<b>EO Index:</b> 46190	Dates Last Seen
Occ Rank:	None		Element: 2001-03-31
-	Natural/Native occurrence		Site: 2005-07-26
	Possibly Extirpated Decreasing		Record Last Updated: 2007-06-14
Quad Summary:	: Allendale (3812148/498B)		
County Summary	: Solano		
Lat/Long:	38.39649º / -121.92959º		Township: 06N
	Zone-10 N4250350 E593472		Range: 01W
	80 meters		
Elevation:		Symbol Type:POINT	
		NORTH OF ELLSWORTH ROAD, NE OF	
Location Detail	I:NEST TREE IS LOCATED WITHIN A EU TALLEST EUCALYPTUS FROM THE SC		OF MILLS LANE; NEST IS FOUND NEAR THE TOP OF THE
Ecological	NEST TREE IS A BLUE GUM EUCALYP A RESIDENCE TO THE SOUTH.	TUS; SURROUNDED BY THE EUCALYP	TUS GROVE TO THE WEST, PASTURE/RUDERAL TO THE E
General:	NEST SITE WAS MONITORED FROM 3 DISAPPEARED. INACTIVE IN 2002, 200		AT THE NEST ON 31 MAR 2001, BUT THE NEST SUBSEQUE
Owner/Manager:	: PVT		
Occurrence No.	. 967 <b>Map Index:</b> 46195	EO Index: 46195	Dates Last Seen
Occ Rank:	•		Element: 2002-05-16
	Natural/Native occurrence		Site: 2005-07-20
	Presumed Extant		Becault and the data de 0007.00.40
Trend:	Unknown		Record Last Updated: 2007-06-19
Quad Summary:	: Allendale (3812148/498B)		
County Summary	: Solano		
Lat/Long:	38.45014º / -121.89758º		Township: 07N
	Zone-10 N4256336 E596196		Range: 01E
Radius: Elevation:	80 meters	Mapping PrecisionSPEC Symbol Type:POIN	
Location	WEST SIDE OF JAHN ROAD, 0.3 MILE	NORTH OF DIXON AVENUE WEST, 3.5 I	MILES WEST OF DIXON.
Location Detail		JS AT THE SW CORNER OF THE FARMS NEW HOUSE AND DRIVEWAY ON SE SIE	STEAD AT 7933 JAHN ROAD; NEST IS LOCATED AT THE 85%
Faclarias			
-			THE SE, A HOUSE TO THE NORTH, AND ALFALFA TO THE W
General:			PR-24 JUL 2002; SWHA SITTING ON NEST 16 MAY 2002, BUT 10 JUL; ADULTS OBSERVED 17 & 30 APR 2005.
Owner/Manager	PVT		
Occurrence No.	. 968 Map Index: 46197	EO Index: 46197	Dates Last Seen
Occ Rank:			Element: 2001-08-01
Origin:	Natural/Native occurrence		<b>Site:</b> 2005-08-22
-	Presumed Extant Unknown		Record Last Updated: 2007-06-19
Trend:	: Allendale (3812148/498B)		
Trend:	, ,		
Trend: Quad Summary: County Summary	: Solano		
Trend: Quad Summary: County Summary Lat/Long:	: Solano 38.39195º / -121.92734º		Township: 06N
Trend: Quad Summary: County Summary Lat/Long: UTM:	: Solano 38.39195° / -121.92734° Zone-10 N4249848 E593674	Manning PrecisionSPEC	Range: 01W
Trend: Quad Summary: County Summary Lat/Long: UTM:	: Solano 38.39195° / -121.92734° Zone-10 N4249848 E593674 80 meters	Mapping PrecisionSPEC Symbol Type:POINT	IFIC Range: 01W Section: 01 Qtr: SW
Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	: Solano 38.39195° / -121.92734° Zone-10 N4249848 E593674 80 meters 85 ft	Symbol Type:POIN	Range:     01W       IFIC     Section:     01     Qtr: SW       Meridian:     M
Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano 38.39195° / -121.92734° Zone-10 N4249848 E593674 80 meters 85 ft : SE OF I-80, 0.3 MILE EAST OF LEISUR	Symbol Type:POINT E TOWN ROAD, 6.5 MILES SW OF DIXO	Range:     01W       IFIC     Section:     01     Qtr: SW       Meridian:     M
Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano 38.39195° / -121.92734° Zone-10 N4249848 E593674 80 meters 85 ft : SE OF I-80, 0.3 MILE EAST OF LEISUR	Symbol Type:POINT E TOWN ROAD, 6.5 MILES SW OF DIXO	Range:     01W       IFIC     Section:     01     Qtr: SW       Meridian:     M

Swainson's hawk State		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None	15	Global: G5	CDFG Status:		
State: Threater	ned	State: S2		103.	
Habitat As	ssociations —				
	S IN GRASSLANDS WITH WITH SCATTERE	D TREES, JUNIPER-SAGE FLAT	S, RIPARIAN AREAS, SAVANNAHS, & A	AGRICULTI	JRAL OR RANCH
Micro: REQUIF	RES ADJACENT SUITABLE FORAGING ARE	AS SUCH AS GRASSLANDS, OR	ALFALFA OR GRAIN FIELDS SUPPOR	TING RODE	ENT POPULATIONS
Occurrence No.	. 969 Map Index: 46198	EO Index: 461		Dates Las	st Seen
Occ Rank:	Good			Element:	2005-08-06
•	Natural/Native occurrence			Site:	2005-08-06
	Presumed Extant Unknown		Record Las	t Updated:	2007-06-18
Quad Summary	: Allendale (3812148/498B)				
County Summary	· ,				
Lat/Long:	38.47507º / -121.91046º		Township	: 07N	
	Zone-10 N4259090 E595039		Range:		
Area: Elevation:	28.0 acres	Mapping PrecisionSF Symbol Type:PO			Qtr: NW
	ALONG THE SOUTH EDGE OF THISSELL				
Location Detail	1:2001-2002 NEST WAS LOCATED AT THE BEEN FOUND IN OTHER TREES ALONG			A. THEREAF	- I ER, NESTS HAVE
Feological	: NEST TREE IS A BLUE GUM EUCALYPTU				NORTH
-	NEST MONITORED 9 APR-18 AUG 2001; N				
General:	BEGGING CALLS HEARD ON 16 JUL 2004				
Owner/Manager	SOL COUNTY, PVT				
Occurrence No.	. 970 <b>Map Index:</b> 46200	EO Index: 462		· Dates Las	st Seen
Occ Rank:	•				2005-08-14
	Natural/Native occurrence			Site:	2005-08-14
	Presumed Extant		Peperd Los	t Undeted.	2007-06-19
	Unknown				2007-00-13
Quad Summary: County Summary	: Allendale (3812148/498B) : Solano				
Lat/Long:	38.40806º / -121.91521º		Township	07N	
	Zone-10 N4251648 E594712		Range:		
Area: Elevation:	10.7 acres	Mapping PrecisionSF Symbol Type:PC			Qtr: SW
	EAST AND WEST SIDES OF MERIDIAN RO				
	RESSEGUIE'S ALLENDALE 49 & 56. 2002				US WEST OF
Eocation Detail	MERIDIAN ROAD. 2004-2005 NEST LOCA				
Ecological	NEST TREE IS A BLUE GUM EUCALYPTU	S; SURROUNDED BY ALFALFA T	O THE NORTH AND RUDERAL TO THE	E SOUTH A	ND WEST.
General:	NEST MONITORED 14 JUN-20 JUL 2001; 1	1 CHICK OBSERVED ON 18 JUN (	2001. NEST MONITORED 28 APR-24 JL	JL 2002: 1 F	LEDGED. NEST
	MONITORED 22 MAR-29 JUL 2004; 3 YOU				
Owner/Manager	: PVT				
Occurrence No.	. 971 Map Index: 46204	EO Index: 462	)4	· Dates Las	st Seen
Occ Rank:					2005-08-02
•	Natural/Native occurrence			Site:	2005-08-02
	Presumed Extant Unknown		Record Las	t Updated:	2007-06-20
Quad Summary: County Summary	: Allendale (3812148/498B) : Solano				
				071	
-	38.41525º / -121.91578º Zone-10 N4252446 E594653		Township: Range:		
	80 meters	Mapping PrecisionSF	÷		Qtr: NE
rtaarao.	85 ft	Symbol Type:PO	DINT Meridian:	М	
Elevation	WEST SIDE OF HIGHWAY 113. IN THE OL	D CEMETERY OPPOSITE BINGH	AMPTOM ROAD, 5 MILES NE OF VACA	VILLE.	
Elevation				) NEST IS	AT THE 90% HEIGH
Elevation: Location	NEST TREE IS THE FIRST LARGE EUCAL	YPTUS SOUTH OF THE DRIVEW	AY LEADING TO 7281 MERIDIAN ROAL	5, NEOT 10	
Elevation: Location Location Detail	NEST TREE IS THE FIRST LARGE EUCAL THE NEST TREE.				NTSIAL TO THE WE
Elevation: Location Location Detail Ecological	NEST TREE IS THE FIRST LARGE EUCAL	IS; SURROUNDED BY CULTIVATE	ED LAND TO THE EAST AND LARGE-LO	OT RESIDE	

Stat	us ———		⊏iement (	Code: ABNKC19070 — Other Lists		
Federal: None State: Threate		Global: G5 State: S2		CDFG Statu	s:	
General: BREED	SSOCIATIONS					
Occurrence No Occ Rank: Origin:	•	86 EO Index:	46286			st Seen 2001-06-XX 2001-06-XX
	: Presumed Extant : Unknown			Record Last U	Jpdated:	2001-10-25
Quad Summary County Summary	: Elmira (3812138/498C) /: Solano					
UTM:	<ul> <li>38.37311° / -121.96210°</li> <li>Zone-10 N4247723 E590662</li> <li>1/10 mile</li> <li>105 ft</li> </ul>	Mapping Precis Symbol Ty	ionNON-SPECIFIC rpe:POINT	Township: Range: Section: Meridian:	01W 15	Qtr: SE
Location	: PINE TREE CREEK, ADJACENT TO	THE NUT TREE/SOLANO COUNT	Y AIRPORT, VACAVILLI	E		
Ecological	II:NEST TREE IS LOCATED WITHIN A II: NEST TREE IS A EUCALYPTUS; SL : THREATENED BY PROPOSED DEV	JRROUNDED BY OPEN GRASSLAN			REEK.	
General: Owner/Manager	: THIS PAIR HAS REPORTEDLY NES SUCCESSFULLY FLEDGED IN AUG : PVT					- ,
Occurrence No	. 982 Map Index: 463	27 EO Index:	46327	—	Dates Las	st Seen
Occ Rank: Origin:	Excellent Natural/Native occurrence			E		2002-07-24 2005-08-05
	: Presumed Extant : Unknown			Record Last U	Jpdated:	2007-06-28
Quad Summary County Summary	: Dozier (3812137/498D) <b>:</b> Solano					
				Taxa a bita a	06N	
UTM:	<ul> <li>38.35088° / -121.82399°</li> <li>Zone-10 N4245401 E602758</li> <li>80 meters</li> <li>35 ft</li> </ul>	Mapping Precis Symbol Ty		Township: Range: Section: Meridian:	01E 23	Qtr: SE
UTM: Radius: Elevation	Zone-10 N4245401 E602758 80 meters	Symbol Ty	pe:POINT	Range: Section: Meridian:	01E 23	Qtr: 3E
UTM: Radius: Elevation Location Ecological	Zone-10 N4245401 E602758 : 80 meters : 35 ft :: OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS	Symbol Ty IAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED	PPE:POINT VAY 113, 6 MILES SOU <sup>*</sup> IE SE, SW, AND NW, AN 0 5 APR-24 AUG 2001; 1	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C	01E 23 M DSAGE O	RANGES TO THE N
UTM: Radius: Elevation Location Ecological	Zone-10 N4245401 E602758 80 meters 35 ft COLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITORED	Symbol Ty IAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED	PPE:POINT VAY 113, 6 MILES SOU <sup>*</sup> IE SE, SW, AND NW, AN 0 5 APR-24 AUG 2001; 1	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C	01E 23 M DSAGE O	RANGES TO THE N
UTM: Radius: Elevation Ecological General: Owner/Manager	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITORED :: UNKNOWN . 984 Map Index: 463	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC	YPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN D 5 APR-24 AUG 2001; 1 DSSIBLE NEST. INACTIV	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005.	01E 23 M DSAGE O NITORED	RANGES TO THE N 13 MAY-24 JUL 200 st Seen
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITORED : UNKNOWN 984 Map Index: 4633 : Good : Natural/Native occurrence : Presumed Extant	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC	YPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN D 5 APR-24 AUG 2001; 1 DSSIBLE NEST. INACTIV	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005.	01E 23 M DSAGE O NITORED Dates Las lement: Site:	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2005-07-16
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THI FLEDGED. NEST SITE MONITORED : UNKNOWN 984 Map Index: 463 : Good : Natural/Native occurrence : Presumed Extant : Unknown	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC	YPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN D 5 APR-24 AUG 2001; 1 DSSIBLE NEST. INACTIV	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005.	01E 23 M DSAGE O NITORED Dates Las lement: Site:	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2005-07-16
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	Zone-10 N4245401 E602758 80 meters 35 ft COLD CEMETERY OPPOSITE BINGH INEST TREE IS AN ALEPPO PINE; S SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITORED UNKNOWN 984 Map Index: 463 Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC	YPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN D 5 APR-24 AUG 2001; 1 DSSIBLE NEST. INACTIV	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005.	01E 23 M DSAGE O NITORED Dates Las lement: Site:	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2005-07-16
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius:	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITOREL : UNKNOWN 984 Map Index: 463 : Good : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) r: Solano : 38.32965° / -121.80244° Zone-10 N4243070 E604672 : 80 meters	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC 85 EO Index: Mapping Precis	IPPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN 0 5 APR-24 AUG 2001; 1 SSIBLE NEST. INACTIV 46385	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005. Record Last U Township: Range: Section:	01E 23 M DSAGE O IITORED Dates Lat lement: Site: Jpdated: 06N 02E 30	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2005-07-16
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Ranks Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITORED : UNKNOWN 984 Map Index: 463 : Good : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) r: Solano : 38.32965°/ -121.80244° Zone-10 N4243070 E604672 : 80 meters : 25 ft	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC 85 EO Index: Mapping Precis Symbol Ty	IPPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN 0 5 APR-24 AUG 2001; 1 OSSIBLE NEST. INACTIV 46385 46385	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C I FLEDGED. NEST MON /E IN 2005. Record Last I Record Last I Township: Range: Section: Meridian:	01E 23 M DSAGE O IITORED Dates Lat lement: Site: Jpdated: 06N 02E 30	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2005-07-16 2007-07-03
UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	Zone-10 N4245401 E602758 : 80 meters : 35 ft : OLD CEMETERY OPPOSITE BINGH I: NEST TREE IS AN ALEPPO PINE; S : SWHA MAY HAVE NESTED AT THIS FLEDGED. NEST SITE MONITOREL : UNKNOWN 984 Map Index: 463 : Good : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) r: Solano : 38.32965° / -121.80244° Zone-10 N4243070 E604672 : 80 meters	Symbol Ty HAMPTON ROAD, WEST OF HIGHV SURROUNDED BY ALFALFA TO TH S SITE IN 2000. NEST MONITORED D 23 APR-28 JUL; ADULTS AND PC 85 EO Index: Mapping Precis Symbol Ty COAD, 0.1 MILE EAST OF PEDRICK IM EUCALYPTUS, ON THE NORTH	IPPE:POINT VAY 113, 6 MILES SOUT IE SE, SW, AND NW, AN 0 5 APR-24 AUG 2001; 1 SSIBLE NEST. INACTIV 46385 46385 46385 5 FOINT ROAD, 8 MILES NE OF SIDE OF THE ROAD, F	Range: Section: Meridian: TH OF DIXON. ND ROW CROPS AND C FLEDGED. NEST MON FILEDGED. NEST MON FILEDGED. NEST MON FILED. Record Last U Record Last U Township: Range: Section: Meridian:	01E 23 M DSAGE O NITORED Dates Las lement: Site: Jpdated: 06N 02E 30 M	RANGES TO THE N 13 MAY-24 JUL 200 st Seen 2005-07-16 2007-07-03 Qutr: SW

Stat		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None	uə	Global: G5	CDFG Sta	tus:
State: Threate	ned	State: S2		
	ssociations —			
		ATTERED TREES JUNIPER-SAGE FLA	TS, RIPARIAN AREAS, SAVANNAHS, & A	
			R ALFALFA OR GRAIN FIELDS SUPPOR	
Occurrence No	•	386 EO Index: 46	386 —	Dates Last Seen
Occ Rank:				Element: 2005-08-16
-	: Natural/Native occurrence : Presumed Extant			Site: 2005-08-16
			Record Las	t Updated: 2007-07-03
Quad Summary	: Dozier (3812137/498D)			
County Summary				
	: 38.34738º / -121.85984º		Township:	06N
-	Zone-10 N4244974 E599630		Range:	
	80 meters	Mapping Precision		
Elevation	: 35 ft	Symbol Type:	POINT Meridian:	М
Location		5 MILE SOUTH OF HAWKING ROAD AND	0.7 MILE NORTH OF FRY ROAD, 6 MIL	ES NE OF TRAVIS FIELD
Location Detai	LOCATED WITHIN A DEFUNCT FA		RK ROAD; NEST TREE IS THE TALLEST	, RAGGED EUCALYPIUS WITH
Foologian			RASS TO THE NE AND SE, PASTURE TO	
Ecological	PASTURE TO THE NW.	ALTE 100, SURROUNDED BE SUDAN G	INAGO TO THE NE AND SE, PASTURE I	UTTE SW, AND HOUSE AND
General	NEST MONITORED 4 APR-23	2001: NEST-BUILDING ON 4 APR 2001	BUT ABANDONED SOON AFTER. INAC	TIVE IN 2002. NEST MONITORE
General			2004. NEST MONITORED 4 MAY-16 AU	
Owner/Manager	: PVT			
Occurrence No	. 986 Map Index: 463	387 EO Index: 46	387 —	Dates Last Seen
Occ Rank:				Element: 2001-04-25
-	Natural/Native occurrence			Site: 2005-08-05
	Presumed Extant		Record Las	t Updated: 2007-07-03
frend.	Onknown			
Quad Summary	: Dozier (3812137/498D)			
County Summary	r: Solano			
	r: Solano : 38.33113º / -121.86921º		Township:	
Lat/Long: UTM:	38.33113º / -121.86921º Zone-10 N4243160 E598833		Range:	01E
Lat/Long UTM: Radius:	38.33113º / -121.86921º Zone-10 N4243160 E598833 80 meters	Mapping Precision	Range: SPECIFIC Section:	01E 28 <b>Qtr:</b> SW
Lat/Long: UTM:	38.33113º / -121.86921º Zone-10 N4243160 E598833 80 meters	Mapping Precisions Symbol Type:F	Range: SPECIFIC Section:	01E 28 <b>Qtr:</b> SW
Lat/Long: UTM: Radius: Elevation:	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft		Range: SPECIFIC Section: 20INT Meridian:	01E 28 <b>Qtr:</b> SW
Lat/Long: UTM: Radius: Elevation Location	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft :: WEST SIDE OF DALLY ROAD, 0.4	Symbol Type:	Range: SPECIFIC Section: 20INT Meridian:	01E 28 <b>Qtr:</b> SW M
Lat/Long UTM: Radius: Elevation Location Location Detai	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft :: WEST SIDE OF DALLY ROAD, 0.4 I: NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUCA	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU	Range: SPECIFIC Section: POINT Meridian: IE OF TRAVIS FIELD.	01E 28 Qtr: SW M
Lat/Long UTM: Radius: Elevation Location Location Detai	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft : WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU	Range: SPECIFIC Section: POINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER	01E 28 Qtr: SW M
Lat/Long UTM: Radius: Elevation Location Location Detai Ecological	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft : WEST SIDE OF DALLY ROAD, 0.4 I: NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU	Range: SPECIFIC Section: 'OINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR	01E 28 Qtr: SW M
Lat/Long UTM: Radius: Elevation Location Location Detai Ecological	38.33113° / -121.86921° Zone-10 N4243160 E598833 80 meters 45 ft WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S NEST MONITORED 25 APR-3 AUG	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W.	Range: SPECIFIC Section: 'OINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR	01E 28 Qtr: SW M
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager	: 38.33113° / -121.86921° Zone-10 N4243160 E598833 : 80 meters : 45 ft : WEST SIDE OF DALLY ROAD, 0.4 I: NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S : NEST MONITORED 25 APR-3 AUG : PVT	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: YOINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 <b>Qtr:</b> SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No	38.33113° / -121.86921° Zone-10 N4243160 E598833 80 meters 45 ft WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I:NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S NEST MONITORED 25 APR-3 AUG PVT 987 Map Index: 463	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: YOINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank:	38.33113° / -121.86921° Zone-10 N4243160 E598833 80 meters 45 ft WEST SIDE OF DALLY ROAD, 0.4 I: NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S INEST MONITORED 25 APR-3 AUG PVT 987 Map Index: 463 Good	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: YOINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 <b>Qtr:</b> SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	38.33113° / -121.86921° Zone-10 N4243160 E598833 80 meters 45 ft WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I:NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S NEST MONITORED 25 APR-3 AUG PVT 987 Map Index: 463	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: YOINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft     WEST SIDE OF DALLY ROAD, 0.4 I: NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S     NEST MONITORED 25 APR-3 AUG     PVT     987 Map Index: 463     Good     Natural/Native occurrence	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHERN NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	<ul> <li>38.33113° / -121.86921° Zone-10 N4243160 E598833</li> <li>80 meters</li> <li>45 ft</li> <li>WEST SIDE OF DALLY ROAD, 0.4</li> <li>INEST TREE LOCATED AT A FARM</li> <li>INEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S</li> <li>NEST MONITORED 25 APR-3 AUG</li> <li>PVT</li> <li>987 Map Index: 463</li> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> </ul>	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHERN NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft     WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I: NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S     NEST MONITORED 25 APR-3 AUG     PVT     987 Map Index: 463     Good     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHERN NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft     WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I:NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S     NEST MONITORED 25 APR-3 AUG     PVT     987 Map Index: 463     Good     Natural/Native occurrence     Presumed Extant     Unknown     Dozier (3812137/498D)     Solano	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: POINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005.	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	<ul> <li>38.33113° / -121.86921° Zone-10 N4243160 E598833</li> <li>80 meters</li> <li>45 ft</li> <li>WEST SIDE OF DALLY ROAD, 0.4</li> <li>INEST TREE LOCATED AT A FARM</li> <li>INEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S</li> <li>NEST MONITORED 25 APR-3 AUG</li> <li>PVT</li> <li>987 Map Index: 463</li> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.33510° / -121.81388°</li> </ul>	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: YOINT Meridian: HE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUI NACTIVE IN 2002, 2004, AND 2005. 388 — Record Las	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen — Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03 
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	<ul> <li>38.33113° / -121.86921° Zone-10 N4243160 E598833</li> <li>80 meters</li> <li>45 ft</li> <li>WEST SIDE OF DALLY ROAD, 0.4</li> <li>INEST TREE LOCATED AT A FARM</li> <li>INEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S</li> <li>NEST MONITORED 25 APR-3 AUG</li> <li>PVT</li> <li>987 Map Index: 463</li> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.33510° / -121.81388° Zone-10 N4243661 E603664</li> </ul>	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 5 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46	Range: SPECIFIC Section: POINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUI NACTIVE IN 2002, 2004, AND 2005. 388 — Record Las Record Las Township: Range:	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen — Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03 06N 01E
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft      WEST SIDE OF DALLY ROAD, 0.4      I:NEST TREE LOCATED AT A FARM     I:NEST TREE IS A BLUE GUM EUC/     PASTURE/FARMSTEAD TO THE S      NEST MONITORED 25 APR-3 AUG     PVT      987 Map Index: 463     Good     Natural/Native occurrence     Presumed Extant     Unknown      Dozier (3812137/498D)      Solano      38.33510° / -121.81388°     Zone-10 N4243661 E603664     80 meters	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I	Range: SPECIFIC Section: SPOINT Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005. 388 Record Las SPECIFIC Section:	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen — Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03 06N 01E 25 Qtr: KX
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	<ul> <li>38.33113° / -121.86921° Zone-10 N4243160 E598833</li> <li>80 meters</li> <li>45 ft</li> <li>WEST SIDE OF DALLY ROAD, 0.4</li> <li>INEST TREE LOCATED AT A FARM</li> <li>INEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S</li> <li>NEST MONITORED 25 APR-3 AUG</li> <li>PVT</li> <li>987 Map Index: 463</li> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Dozier (3812137/498D)</li> <li>Solano</li> <li>38.33510° / -121.81388° Zone-10 N4243661 E603664</li> <li>80 meters</li> <li>30 ft</li> </ul>	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46 Mapping Precisions Symbol Type:	Range: SPECIFIC Section: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005. 388 Record Las Record Las SPECIFIC Section: SPECIFIC Section: COINT Meridian:	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft      WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I:NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S      NEST MONITORED 25 APR-3 AUG      PVT      987 Map Index: 463     Good     Natural/Native occurrence     Presumed Extant     Unknown      Dozier (3812137/498D)     Solano      38.33510° / -121.81388°     Zone-10 N4243661 E603664     80 meters     30 ft      c. 6 MILE NW OF THE INTERSECTI	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46 Mapping Precision Symbol Type: ION OF MAINE PRAIRIE ROAD AND PEI	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR VACTIVE IN 2002, 2004, AND 2005. 388	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03 C 06N 01E 25 Qtr: XX M
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft      WEST SIDE OF DALLY ROAD, 0.4 I:NEST TREE LOCATED AT A FARM I:NEST TREE IS A BLUE GUM EUC/ PASTURE/FARMSTEAD TO THE S      NEST MONITORED 25 APR-3 AUG      PVT      987 Map Index: 463     Good     Natural/Native occurrence     Presumed Extant     Unknown      Dozier (3812137/498D)     Solano      38.33510° / -121.81388°     Zone-10 N4243661 E603664     80 meters     30 ft      c. 6 MILE NW OF THE INTERSECTI	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N MSTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 5 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46 Mapping Precision Symbol Type: ION OF MAINE PRAIRIE ROAD AND PEI JACKSON BROWN FARMSTEAD, BETW	Range: SPECIFIC Section: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005. 388 Record Las Record Las SPECIFIC Section: SPECIFIC Section: COINT Meridian:	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03 C 06N 01E 25 Qtr: XX M
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft      WEST SIDE OF DALLY ROAD, 0.4      INEST TREE LOCATED AT A FARM      NEST TREE LOCATED AT A FARM      NEST TREE IS A BLUE GUM EUC/     PASTURE/FARMSTEAD TO THE S      NEST MONITORED 25 APR-3 AUG      PVT      987 Map Index: 463     Good      Natural/Native occurrence     Presumed Extant     Unknown      Dozier (3812137/498D)      Solano      38.33510° / -121.81388°     Zone-10 N4243661 E603664     80 meters     30 ft      Co.6 MILE NW OF THE INTERSECTION      INEST SITE IS LOCATED ON THE ARGE, NORTH 1	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46 Mapping Precision Symbol Type: ION OF MAINE PRAIRIE ROAD AND PEI JACKSON BROWN FARMSTEAD, BETW EUCALYPTUS.	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR NACTIVE IN 2002, 2004, AND 2005. 388	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03
Lat/Long: UTM: Radius: Elevation Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	38.33113° / -121.86921°     Zone-10 N4243160 E598833     80 meters     45 ft      WEST SIDE OF DALLY ROAD, 0.4      INEST TREE LOCATED AT A FARM      NEST TREE LOCATED AT A FARM      NEST TREE IS A BLUE GUM EUC/     PASTURE/FARMSTEAD TO THE S      NEST MONITORED 25 APR-3 AUG      PVT      987 Map Index: 463     Good      Natural/Native occurrence     Presumed Extant     Unknown      Dozier (3812137/498D)      Solano      38.33510° / -121.81388°     Zone-10 N4243661 E603664     80 meters     30 ft      Co.6 MILE NW OF THE INTERSECTION      INEST SITE IS LOCATED ON THE ARGE, NORTH 1	Symbol Type: MILE SOUTH OF FRY ROAD, 5 MILES N ISTEAD AT 5663 FRY ROAD; NEST IS A ALYPTUS (20 METERS TALL); SURROU W. 3 2001; NEST-BUILDING, 25 APR 2001. I 388 EO Index: 46 Mapping Precision Symbol Type: ION OF MAINE PRAIRIE ROAD AND PEI JACKSON BROWN FARMSTEAD, BETW EUCALYPTUS.	Range: SPECIFIC Section: Meridian: IE OF TRAVIS FIELD. T THE 80% HEIGHT OF THE NORTHER! NDED BY ALFALFA TO THE NE, PASTUR VACTIVE IN 2002, 2004, AND 2005. 388	01E 28 Qtr: SW M NMOST EUCALYPTUS. RE TO THE NW AND SW, AND Dates Last Seen Element: 2001-08-03 Site: 2005-08-05 t Updated: 2007-07-03

Buteo swainsoni		
Swainson's hawk		Element Code: ABNKC19070
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CDFG Status:
State: Threatened	State: S2	
Habitat Associations		
General: BREEDS IN GRASSLANDS WITH	I WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPA	RIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABI	E FORAGING AREAS SUCH AS GRASSLANDS, OR ALFAL	FA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Presence:	None Natural/Native occurrence	<b>dex:</b> 46389	EO Index: 46389		Site:	2001-05-07 2005-07-22
Quad Summary:	Elmira (3812138/498C)					
County Summary	: Solano					
UTM:	38.36949º / -121.87845º Zone-10 N4247407 E5979 80 meters 55 ft	)74	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: Range: Section: Meridian:	01E 17	Qtr: NE
Location	WEST SIDE OF FOX ROA	D, 0.75 MILE NO	RTH OF HAWKINS ROAD, 2.2 MILES NE OF ELMIRA.			
Location Detail			S ON THE WEST SIDE OF FOX ROAD, ON THE SOUTH RAVENS HAVE CLAIMED THIS NEST SINCE 2002.	SIDE OF THE CA	ANAL. SITE	MOST LIKELY
Ecological	NEST TREE WAS A BLUE	GUM EUCALYP	TUS; SURROUNDED BY CORN TO THE NW AND SW, A	ND SUDAN GRAS	SS TO THE	NE AND SE.
General:	NEST MONITORED 29 MA NESTED AT THIS SITE IN		IMMATURE SWHA OBSERVED PERCHED NEAR THE 2005.	TOP OF THE NES	ST TREE, 7	MAY 2001. RAVENS
Owner/Manager:	PVT					
Occurrence No.	989 Map In	dex: 46390	EO Index: 46390		Dates Las	st Seen
Occ Rank:	Good	<b>dex:</b> 46390	EO Index: 46390		Element:	2001-08-20
Occ Rank: Origin:	Good Natural/Native occurrence	<b>dex:</b> 46390	EO Index: 46390		Element:	
Occ Rank: Origin: Presence:	Good	<b>dex:</b> 46390	EO Index: 46390	Record Last	Element: Site:	2001-08-20 2005-08-12
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant	<b>dex:</b> 46390	EO Index: 46390		Element: Site:	2001-08-20 2005-08-12
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C)	<b>dex:</b> 46390	EO Index: 46390		Element: Site:	2001-08-20 2005-08-12
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C)		EO Index: 46390		Updated: 06N 01E	2001-08-20 2005-08-12
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.35065° / -121.89355° Zone-10 N4245301 E5966 80 meters			Record Last Township: Range:	Element: Site: Updated: 06N 01E 20	2001-08-20 2005-08-12 2007-06-26
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) : Solano 38.35065° / -121.89355° Zone-10 N4245301 E5966 80 meters 60 ft	580	Mapping PrecisionSPECIFIC	Record Last Township: Range: Section: Meridian:	Element: Site: Updated: 06N 01E 20	2001-08-20 2005-08-12 2007-06-26
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location:	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.35065° / -121.89355° Zone-10 N4245301 E5966 80 meters 60 ft SOUTH SIDE OF HOLDEN	580 NER ROAD, 0.2 M	Mapping PrecisionSPECIFIC Symbol Type:POINT	Record Last Township: Range: Section: Meridian:	Element: Site: Updated: 06N 01E 20	2001-08-20 2005-08-12 2007-06-26
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail	Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.35065° / -121.89355° Zone-10 N4245301 E5966 80 meters 60 ft SOUTH SIDE OF HOLDEN NEST TREE WAS LOCAT NEST TREE WAS A EUCA	580 NER ROAD, 0.2 M ED ON A SPRAW ALYPTUS (BLUE (	Mapping PrecisionSPECIFIC Symbol Type:POINT ILE EAST OF LEWIS ROAD, 0.7 MILE EAST OF ELMIRA	Record Last Township: Range: Section: Meridian:	Element: Site: Updated: 06N 01E 20 M	2001-08-20 2005-08-12 2007-06-26 Qtr: SW

Swainson's hawk		Element Code: ABNKC19070
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CDFG Status:
State: Threatened	State: S2	
Habitat Associations		

Occurrence No.	990	Map Index:	46391	EO Index: 46391	Dates La	st Seen
Presence:	Fair Natural/Native occ Presumed Extant Unknown	urrence			Element: Site: Record Last Updated:	
Quad Summary: County Summary:	Elmira (3812138/4 : Solano	98C)				
UTM:	38.34853º / -121.9 Zone-10 N424504 80 meters 70 ft			Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 06N Range: 01E Section: 19 Meridian: M	Qtr: SW
		LOCATED IN		ICALYPTUS; 2001 NEST WAS AT THE 90% DE.	HEIGHT OF THE TREE, ON THE	ESE SIDE, AND THE 2002
Ecological	NEST TREE WAS	A BLUE GUN	I EUCALYPTUS; LC	CATED WITHIN THE TOWN OF ELMIRA.		
General:				TION, BUT NO CHICK. NEST MONITORED 4 (OUTCOME UNKNOWN). NEST MONITO		
Owner/Manager:	UNKNOWN					
Occurrence No.	994	Map Index:	47401	EO Index: 47401	Dates La	st Seen
Presence:	None Natural/Native occ Possibly Extirpated Decreasing					2002-07-18 2005-07-22 2007-06-26
Quad Summary: County Summary	Elmira (3812138/4 : Solano	98C)				
UTM:	38.36875° / -121.8 Zone-10 N424731 80 meters 60 ft			Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 06N Range: 01E Section: 17 Meridian: M	Qtr: NW
Location	ALONG THE RAIL	ROAD TRACK	KS, NE OF LEWIS F	ROAD, NNE OF ELMIRA.		
Location Detail	SWHA PAIR IS US	SING TWO EU	ICALYPTUS TREES	S, BETWEEN THE RAILROAD TRACK AND	A DIRT ROAD EAST ALONG A F	IELD EDGE.
Ecological			TUS; SURROUNDE TO 18 APR 2004.	D BY FIELDS PLANTED IN CORN. NEST N	OT VISIBLE. 2 BLUE GUMS (CEN	ITER OF SWHA
Threat:	THREATENED BY	TREE REMC	VAL (TREES ARE	MARKED), PROBABLY DUE TO POWER LI	NE INTERFERENCE.	
General:				EST WAS NOT VISIBLE, NO FLEDGLINGS ECTED. INACTIVE IN 2004 AND 2005.	DETECTED. NEST SITE MONITO	ORED 11 MAY-18 JUL
Owner/Manager:						

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

uteo swainsoni Swainson's hawk				Element Code: ABNK	C19070		
Stati	us ———	NDDB Ele	ement Ranks		er Lists		
Federal: None State: Threate		Global State		c	DFG Stat	us:	
				, RIPARIAN AREAS, SAVANI ILFALFA OR GRAIN FIELDS			
	UNKNOWN						
Occurrence No	•	<b>ex:</b> 47402	EO Index: 47402	2		Dates Las	
Occ Rank: Origin:	Good Natural/Native occurrence				l		2001-07-23 2005-08-03
Presence:	Presumed Extant			-	00rd I		
Trend:	Decreasing			Re	cora Last	updated:	2007-06-26
	: Elmira (3812138/498C)						
County Summary	: Solano						
-	38.36993º / -121.90528º Zone-10 N4247428 E59562	20		т	ownship:		
	20ne-10 N4247428 E59562 80 meters	.9	Mapping PrecisionSPI	ECIFIC	Range: Section:		Qtr: NE
Elevation	: 70 ft		Symbol Type:PO		Meridian:		
Location	: EAST SIDE OF BYRNES R	OAD, BETWEEN THE TWO	FORKS OF ULATIS CR	EEK, 1.3 MILES NORTH OF	ELMIRA		
Location Detai	I:NEST WAS LOCATED AT	THE 80% HEIGHT OF A SM	IALL ENGLISH WALNUT	TREE, IN THE 4TH ROW FR	OM THE I	EDGE OF T	HE ORCHARD.
Ecological	NEST TREE WAS AN ENG ORCHARD TO THE SE AN		IDED BY ROW CROPS T	O THE NE AND NW AND A F	ARMSTE.	AD AND RA	GGED WALNUT
General	NEST MONITORED 4 MAY	-23 JUL 2001; 2 FLEDGED	. INACTIVE IN 2002, 200	4, AND 2005.			
Owner/Manager	: PVT						
Occurrence No	. 996 Man Ind	<b>ex:</b> 47403	EO Index: 47403	3		Dates Las	t Seen
Occ Rank:					I	Element:	2005-07-24
•	Natural/Native occurrence					Site:	2005-07-24
	Presumed Extant Unknown			Re	cord Last	Updated:	2007-06-26
Quad Summary	: Elmira (3812138/498C)						
County Summary	: Solano						
-	38.34707º / -121.90312º			т	ownship:		
	Zone-10 N4244893 E59584 80 meters	ß	Mapping PrecisionSPI	ECIFIC	Range: Section:		Qtr: SE
Elevation			Symbol Type:PO		Meridian:		
Location	: ALONG DALLY MAIN CAN	AL, 0.15 MILE EAST OF VA	CA STATION ROAD, JU	ST NORTH OF THE SEWAG	TREAT	IENT PLAN	T, ELMIRA
Location Detai	I:NEST WAS LOCATED AT SOUTH.	THE 90% HEIGHT OF A NE	ARLY-DEAD WILLOW, B	BETWEEN THE CANAL ON T	HE NORT	H AND ALA	MO CREEK ON THE
Ecological	NEST TREE WAS A WILLC	W; SURROUNDED BY TH	E SEWAGE TREATMEN	T PLANT TO THE SE AND S	V, AND SI	JDAN GRA	SS TO THE NE AND
General				T SITE MONITORED 13 MAY	-1 AUG 20	004; SWHA	DEFENDING NEST
<b>0</b>	TREE 15 JUN 2004. NEST	SITE MONITOKED T7 APR	-24 JUL 2005; 1 FLEDGI	с <b>.</b> .			
Owner/Manager							
Occurrence No	•	<b>ex:</b> 50759	EO Index: 50759	)	—	Dates Las	
Occ Rank: Origin:	Fair Natural/Native occurrence				l		2005-08-22 2005-08-22
•	Presumed Extant						
Trend:	Unknown			Re	cord Last	Updated:	2007-07-10
Quad Summary County Summary	: Saxon (3812146/497B) : Yolo						
oounty ouninary	38.48402º / -121.67717º			т	ownship:	07N	
		'5			Range:	03E	
Lat/Long: UTM:	Zone-10 N4260350 E61537				Section:		Qtr: NE
Lat/Long: UTM: Radius:	80 meters		Mapping PrecisionSPE Symbol Type:PO		Meridian <sup>.</sup>	IVI	
Lat/Long UTM: Radius: Elevation:	80 meters : 25 ft		Symbol Type:PO	NT	Meridian:	IVI	
Lat/Long UTM: Radius: Elevation Location	80 meters : 25 ft : WEST SIDE OF ROAD 105		Symbol Type:PO AD 36, 5 MILES SE OF I	NT I DAVIS.			
Lat/Long UTM: Radius: Elevation Location Detai	80 meters : 25 ft : WEST SIDE OF ROAD 105 I:NEST TREE IS LOCATED   TREE. 2002 NEST WAS IN	N THE SE CORNER OF A A SMALL PINE NEAR THE	Symbol Type:PO AD 36, 5 MILES SE OF I MIGRANT LABOR CAMF SOUTH EDGE OF THE	NT	AT THE 95 AS IN A BL	% HEIGHT LUE GUM S	OUTH OF THE PINE.

Micro: REQUIRES Owner/Manager: PV Occurrence No. 107 Occ Rank: Go Origin: Na Presence: Pre	ciations — NGRASSLANDS WITH WITH SC SADJACENT SUITABLE FORAG /T	NDDB Element Ranks Global: G5 State: S2 CATTERED TREES, JUNIPER-SAGE FI		Other Lists CDFG Stat	us:	
State: Threatened Habitat Assoc General: BREEDS IN Micro: REQUIRES Owner/Manager: PV Occurrence No. 107 Occ Rank: Go Origin: Na Presence: Pre	ciations NGRASSLANDS WITH WITH SC ADJACENT SUITABLE FORAG /T	State: S2		CDFG Stat	us.	
General: BREEDS IN Micro: REQUIRES Owner/Manager: PV Occurrence No. 107 Occ Rank: Go Origin: Na Presence: Pre	N GRASSLANDS WITH WITH SC ADJACENT SUITABLE FORAG /T	CATTERED TREES, JUNIPER-SAGE FI				
Micro: REQUIRES Owner/Manager: PV Occurrence No. 107 Occ Rank: Go Origin: Na Presence: Pre	ADJACENT SUITABLE FORAG					
Owner/Manager: PV Occurrence No. 107 Occ Rank: Go Origin: Na Presence: Pre	/Т	ING AREAS SUCH AS GRASSLANDS,	LATS, RIPARIAN AREAS, SAV	ANNAHS, & A	GRICULTU	JRAL OR RANCH
Occurrence No. 10 Occ Rank: Go Origin: Na Presence: Pre			OR ALFALFA OR GRAIN FIEL	DS SUPPORT	FING RODE	ENT POPULATIONS.
Occ Rank: Go Origin: Na Presence: Pre						
Origin: Na Presence: Pre	Map Index: 50	D763 EO Index:	50763		Dates Las	st Seen
Presence: Pre				I		1999-06-21
	atural/Native occurrence				Site:	1999-06-21
Trend: Un				Record Last	Updated:	2003-03-26
Qued Summeru Di	a \/iata (2012120(400D)					
County Summary: So	o Vista (3812126/480B)					
-	3.24010º / -121.66566º one-10 N4233297 E616771			Township: Range:		
Radius: 80		Mapping Precisio	nSPECIFIC	Section:		Qtr: NE
Elevation: 1 f	ft	Symbol Type	e:POINT	Meridian:		
Location: SC	OUTH END OF PROSPECT ISI	AND, ALONG MINER SLOUGH, 5 MILES	S NORTH OF RIO VISTA			
		I A DIMINISHED RIPARIAN AREA, ALO				S NEARBY
		E AND RESTORED WETLANDS.		JOODTONAC		O'NEARDT,
General: 2 A	ADULTS AND 1 CHICK OBSER	/ED AT THE NEST ON 21 JUN 1999.				
Owner/Manager: UN	NKNOWN					
-						
Occurrence No. 114	48 Map Index: 51	1076 EO Index:	51076	—	Dates Las	
Occ Rank: Go				1		2005-07-16
Origin: Na Presence: Pre	atural/Native occurrence				Site:	2005-07-16
Trend: Un				Record Last	Updated:	2005-09-19
<b>0</b> 10 1 <sup>1</sup>						
-	berty Island (3812136/497C)					
County Summary: So						
-	3.31484º / -121.69817º one-10 N4241549 E613808			Township: Range:		
Radius: 80		Mapping Precisio	nSPECIFIC	Section:		Qtr: XX
Elevation: 10	D ft	Symbol Type	e:POINT	Meridian:	М	
Location: NC	ORTH SIDE OF LOOKOUT SLOI	UGH, 0.25 MILE WEST OF SHAG SLOL	JGH, 2.5 MILES WEST OF TH	E SACRAMEN	TO RIVER	DEEP WATER
Location Detail:20	02/2004 NEST LOCATED AT TH	HE 75% HEIGHT, ON THE NORTH SIDE	E, OF THE TALLEST TREE ON	I THE NORTH	SIDE OF L	OOKOUT SLOUGH. 200
NE	EST LOCATED ON THE WEST S	SIDE OF THE SAME NEST TREE.				
	EST TREE IS THE TALLEST CO ASTURE TO THE NORTH AND S	TTONWOOD ON THE NORTH SIDE OF SOUTH.	F LOOKOUT SLOUGH SURRC	UNDING FOR	AGING HA	BITAT CONSISTS OF
General: NF		JL 2001; 2 FLEDGED. NEST MONITORI		DGED NEST	MONITORI	ED 18 MAR-15 AUG 200
		NO SIGHTINGS THEREAFTER. NEST				
Owner/Manager: PV	/T					
Occurrence No. 114	49 <b>Map Index:</b> 51	1077 EO Index: 5	51077		Dates Las	st Seen
Occurrence No. 114 Occ Rank: Exe	•	EU IIIUEX: 3	51511	1		2005-07-29
	atural/Native occurrence				Site:	2005-07-29
	esumed Extant			Decend Leas	l la data di	2007 07 40
Trend: Un	ארסאר			Record Last	opuated:	2007-07-10
Quad Summary: Sat	axon (3812146/497B)					
County Summary: So	blano					
Lat/Long: 38	3.49388º / -121.70479º			Township:		
	one-10 N4261409 E612951	<b></b> . <b>.</b>		Range:		0
Radius: 80 Elevation: 35		Mapping Precisio Symbol Typ		Section: Meridian:		Qtr: XX
		D, 0.5 MILE WEST OF MACE BOULEV				OT THE NEAT WAR
	EST TREE WAS LOCATED IN TI OT VISIBLE FROM THE ROAD.	HE SW CORNER OF A CHURCHYARD	INEST IS LOCATED AT THE	90% HEIGH [ (	JF I HE NE	ST TREE. NEST WAS
	EST TREE IS A PINE; SURROUI HEAT TO THE NORTH ACROSS	NDING FORAGING HABITAT CONSIST S THE ROAD.	S OF CORN TO THE WEST, A	LFALFA TO T	HE SOUTH	HAND EAST, AND

					ment Code: ABNKC19070		
Federal: None State: Threate			NDDB Element R     Global: G5     State: S2	Ranks ————	Other Lists     CDFG Stat	tus:	
General: BREED					N AREAS, SAVANNAHS, & A DR GRAIN FIELDS SUPPOR		
Owner/Manager	: PVT						
Presence:			1078 1	<b>EO Index:</b> 51078		Site:	st Seen 2001-04-29 2005-06-20 2007-07-10
Quad Summary:	: Saxon (3812146/	497B)					
County Summary	: Solano	,					
UTM:	38.41314º / -121. Zone-10 N42524 80 meters 30 ft		••	ing PrecisionSPECIFIC Symbol Type:POINT	Township: Range: Section: Meridian:	02E 35	Qtr: NW
Location							
Location Detail	I:NEST TREE WA HEIGHT OF THE NEST TREE WA	S LOCATED NEA NEST TREE. S A LOCUST; SU	RROUNDING FORAGING F	V OF SMALL, DECIDUOUS	DIXON. TREES ALONG A DITCH LE DRN TO THE WEST, ALFALF		
Location Detail Ecological	I: NEST TREE WA HEIGHT OF THE : NEST TREE WA NW, AND SUDAI	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI	IR THE CENTER OF A ROV IRROUNDING FORAGING H E NE.	V OF SMALL, DECIDUOUS	TREES ALONG A DITCH LE	A TO THE	EAST, WHEAT TO TH
Location Detail Ecological	I: NEST TREE WA HEIGHT OF THE NEST TREE WA NW, AND SUDAI NEST SITE MON 2005.	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI	IR THE CENTER OF A ROV IRROUNDING FORAGING H E NE.	V OF SMALL, DECIDUOUS	TREES ALONG A DITCH LE DRN TO THE WEST, ALFALF	A TO THE	EAST, WHEAT TO TH
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	NEST TREE WA HEIGHT OF THE NEST TREE WA NW, AND SUDAI NEST SITE MON 2005. PVT	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI IITORED BETWE Map Index: 5 courrence	IR THE CENTER OF A ROV IRROUNDING FORAGING F E NE. EN 27 MAR-18 AUG 2001; I	V OF SMALL, DECIDUOUS	TREES ALONG A DITCH LE ORN TO THE WEST, ALFALF IIS SITE AFTER 29 APR 200	A TO THE 1. INACTIV Dates La Element: Site:	EAST, WHEAT TO TH E IN 2002, 2004, AND st Seen
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: NEST TREE WA HEIGHT OF THE NEST TREE WA NW, AND SUDAI NEST SITE MON 2005. I PVT 1151 Good Natural/Native oc Presumed Extant Unknown Saxon (3812146/	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI IITORED BETWE Map Index: 5	IR THE CENTER OF A ROV IRROUNDING FORAGING F E NE. EN 27 MAR-18 AUG 2001; I	V OF SMALL, DECIDUOUS HABITAT CONSISTS OF CO NO RAPTORS SEEN AT TH	TREES ALONG A DITCH LE ORN TO THE WEST, ALFALF IIS SITE AFTER 29 APR 200	A TO THE 1. INACTIV Dates La Element: Site:	EAST, WHEAT TO TH E IN 2002, 2004, AND st Seen 2005-07-16 2005-07-16
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: NEST TREE WA HEIGHT OF THE NW, AND SUDAI NW, AND SUDAI NEST SITE MON 2005. PVT 1151 Good Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.49517°/ -121. Zone-10 N42615 80 meters	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI IITORED BETWE Map Index: 5 currence 497B)	IR THE CENTER OF A ROV IRROUNDING FORAGING H E NE. EN 27 MAR-18 AUG 2001; I 1080 I Mapp	V OF SMALL, DECIDUOUS HABITAT CONSISTS OF CO NO RAPTORS SEEN AT TH	TREES ALONG A DITCH LE ORN TO THE WEST, ALFALF IIS SITE AFTER 29 APR 200	Dates La Element: Site: t Updated: 08N 02E 34	EAST, WHEAT TO TH E IN 2002, 2004, AND st Seen 2005-07-16 2005-07-16
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I: NEST TREE WA HEIGHT OF THE NW, AND SUDAI NW, AND SUDAI NEST SITE MON 2005. PVT 1151 Good Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.49517°/ -121. Zone-10 N42615 80 meters 45 ft SOUTH SIDE OF	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI IITORED BETWE Map Index: 5 currence 497B) .74037° 09 E609846 TREMONT ROA AXON 5.5. IN 200	R THE CENTER OF A ROV RROUNDING FORAGING H E NE. EN 27 MAR-18 AUG 2001; I 1080 I Do 0.4 MILE WEST OF EGG D1, THE FIRST NEST TREE	V OF SMALL, DECIDUOUS HABITAT CONSISTS OF CO NO RAPTORS SEEN AT TH EO Index: 51080 Ing PrecisionSPECIFIC Symbol Type:POINT SERT ROAD, EAST OF DIXC	TREES ALONG A DITCH LE PRN TO THE WEST, ALFALF IS SITE AFTER 29 APR 200 Record Las Township: Range: Section: Meridian: DN. HERN TREE; FINAL NEST V	Dates La Element: Site: t Updated: 08N 02E 34 M	EAST, WHEAT TO TH E IN 2002, 2004, AND st Seen 2005-07-16 2007-09-11 Qtr: SE
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	I: NEST TREE WA HEIGHT OF THE NEST TREE WA NW, AND SUDAI NEST SITE MON 2005. PVT 1151 Good Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.49517°/-121. Zone-10 N42615 80 meters 45 ft SOUTH SIDE OF I: RESSEGUIE'S S TREE, WITH THE	S LOCATED NEA NEST TREE. S A LOCUST; SU N GRASS TO THI IITORED BETWE Map Index: 5 currence 497B) .74037° 09 E609846 TREMONT ROA AXON 5.5. IN 200 E NEST AT THE 7	RR THE CENTER OF A ROV IRROUNDING FORAGING H E NE. IEN 27 MAR-18 AUG 2001; I 1080 I Mapp S D, 0.4 MILE WEST OF EGG D1, THE FIRST NEST TREE 75% HEIGHT. 2002 NEST W	V OF SMALL, DECIDUOUS HABITAT CONSISTS OF CO NO RAPTORS SEEN AT TH EO Index: 51080 ED Index: 51080 SERT ROAD, EAST OF DIXC WAS AT THE 85% HEIGHT C	TREES ALONG A DITCH LE PRN TO THE WEST, ALFALF IS SITE AFTER 29 APR 200 Record Las Township: Range: Section: Meridian: DN. HERN TREE; FINAL NEST V	Dates La Element: Site: t Updated: 08N 02E 34 M WAS THE S	EAST, WHEAT TO TH E IN 2002, 2004, AND st Seen 2005-07-16 2007-09-11 Qtr: SE

wainson's hawk				Element Co	de: ABNKC19070		
Stat	us ———		NDDB Element Ranks		— Other Lists		
Federal: None			Global: G5		CDFG State	us:	
State: Threate	ned		State: S2				
Habitat As	ssociations —						
General: BREED	S IN GRASSLANDS	WITH WITH SCATTER	ED TREES, JUNIPER-SAGE FLA	TS, RIPARIAN AREAS	, SAVANNAHS, & A	GRICULTI	URAL OR RANCH
Micro: REQUIF	RES ADJACENT SUI	ITABLE FORAGING AF	REAS SUCH AS GRASSLANDS, O	R ALFALFA OR GRAIN	I FIELDS SUPPORT	ING ROD	ENT POPULATIO
Occurrence No	. 1152	Map Index: 51083	EO Index: 51	083		Dates La	st Seen
Occ Rank:					E	Element:	2005-07-16
Origin:	Natural/Native occu	urrence				Site:	2005-07-16
Presence:	Presumed Extant						
Trend:	Unknown				Record Last	Updated:	2007-07-16
Quad Summary	: Saxon (3812146/49	97B)					
County Summary	: Solano						
Lat/Long:	38.40931º / -121.70	0899º			Township:	07N	
-	Zone-10 N4252019				Range:		
Area:	8.1 acres		Mapping Precision	SPECIFIC	Section:	36	Qtr: NW
Elevation	: 25 ft		Symbol Type:	POLYGON	Meridian:	М	
Looption		YOLANO ROAD, 6 M					
			AMORE IN THE EASTERN 1/3 OF	THE RIPARIAN STRIP			VEST LOCATED A
	75% HEIGHT OF T	HE TREE CENTER. 20	AMORE IN THE EASTERN 1/3 OF 002 NEST FOUND IN THE FIRST F	RIPARIAN TREE WEST	OF THE GAP; NES	T AT 75%	HEIGHT.
	75% HEIGHT OF T	THE TREE CENTER. 20		RIPARIAN TREE WEST	OF THE GAP; NES	T AT 75%	HEIGHT.
Ecological	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH	THE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH.	002 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING	RIPARIAN TREE WEST HABITAT CONSISTS (	OF THE GAP; NES	T AT 75%	HEIGHT. AREA TO THE NC
Ecological	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITOREI	THE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001;	002 NEST FOUND IN THE FIRST F	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED	T AT 75%	HEIGHT. AREA TO THE NC
Ecological General:	75% HEIGHT OF T NEST TREE IS ON AND CORN TO TH NEST MONITORED MONITORED 7 AP	THE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001;	002 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED	T AT 75%	HEIGHT. AREA TO THE NC
Ecological	75% HEIGHT OF T NEST TREE IS ON AND CORN TO TH NEST MONITORED MONITORED 7 AP	THE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001;	002 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED	T AT 75%	HEIGHT. AREA TO THE NC
Ecological General:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITOREI MONITORED 7 AP : PVT	THE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001;	002 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES OF A LARGE HAY S OSSIBLY 2 MISSED OGED.	T AT 75%	, HEIGHT. AREA TO THE NC NGS, 23 JUL 2002
Ecological General: Owner/Manager	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153	'HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75%	5 HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED.	TORAGE / FLEDGLII	5 HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153 Good	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75% TORAGE / FLEDGLII Dates La Element: Site:	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75% TORAGE / FLEDGLII Dates La Element: Site:	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITOREI MONITORED 7 AP : PVT . 1153 Good Natural/Native occu Presumed Extant	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75% TORAGE / FLEDGLII Dates La Element: Site:	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75% TORAGE / FLEDGLII Dates La Element: Site:	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLED Map Index: 51084 urrence 37B)	202 NEST FOUND IN THE FIRST F ES; SURROUNDING FORAGING 3 FLEDGED. NEST MONITORED OGED. NEST MONITORED 22 API	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEC	OF THE GAP; NES OF A LARGE HAY S DSSIBLY 2 MISSED DGED.	T AT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated:	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence 37B)	002 NEST FOUND IN THE FIRST F LES; SURROUNDING FORAGING I 3 FLEDGED. NEST MONITORED 0 DGED. NEST MONITORED 22 API EO Index: 51	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED. Record Last	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.65 Zone-10 N4251140 80 meters	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence 37B)	Mapping Precision	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084	OF THE GAP; NES OF A LARGE HAY S OSSIBLY 2 MISSED OGED. Record Last Township: Range: Section:	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.65 Zone-10 N4251140 80 meters	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence 37B)	002 NEST FOUND IN THE FIRST F LES; SURROUNDING FORAGING I 3 FLEDGED. NEST MONITORED 0 DGED. NEST MONITORED 22 API EO Index: 51	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED. Record Last Township: Range:	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24 2007-07-10
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT . 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.69 Zone-10 N4251140 80 meters : 20 ft	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 Jurrence 37B) 9953° 0 E613554	Mapping Precision	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084 SPECIFIC POINT	OF THE GAP; NES OF A LARGE HAY S OSSIBLY 2 MISSED OGED. Record Last Township: Range: Section:	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01	HEIGHT. AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24 2007-07-10
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.66 Zone-10 N4251140 80 meters : 20 ft : SOUTH SIDE OF K I: SITE IS LOCATED	<ul> <li>'HE TREE CENTER. 20</li> <li>IE OF TWO SYCAMOR IE SOUTH.</li> <li>D 8 APR-25 JUL 2001; 'R-5 AUG 2004; 2 FLEE</li> <li>Map Index: 51084</li> <li>urrence</li> <li>97B)</li> <li>9953°</li> <li>1 E613554</li> <li>(ING ROAD, 0.3 MILE V AT FARMSTEAD #836</li> </ul>	Mapping Precisions Mapping Precisions Symbol Type:F WEST OF WEST LEVEE ROAD, 7 34; NEST IS AT THE 95% HEIGHT	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084 SPECIFIC POINT MILES SE OF DIXON.	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED. Record Last Township: Range: Section: Meridian:	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01 M	AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24 2007-07-10 Qtr: NE
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detai	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.65 Zone-10 N4251140 80 meters : 20 ft : SOUTH SIDE OF K I: SITE IS LOCATED FARMSTEAD. SITE : NEST TREE IS A V	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence 97B) 9953° 0 E613554 (ING ROAD, 0.3 MILE V AT FARMSTEAD #836 E IS BARELY VISIBLE VILLOW; SURROUNDI	Mapping Precisions Symbol Type: WEST OF WEST LEVEE ROAD, 7 54; NEST IS AT THE 95% HEIGHT FROM THE ROAD.	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084 SPECIFIC POINT MILES SE OF DIXON. OF THE MAIN TOP OF STS OF A EXTENSIVE	TOF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED. Record Last Township: Range: Section: Meridian: THE NE WILLOW, ALFALFA TO THE N	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01 M IN THE N	AREA TO THE NC AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2005-08-24 2007-07-10 Qtr: \IE E PORTION OF T
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai	75% HEIGHT OF T : NEST TREE IS ON AND CORN TO TH : NEST MONITORED MONITORED 7 AP : PVT : 1153 Good Natural/Native occu Presumed Extant Unknown : Saxon (3812146/49 : Solano : 38.40128° / -121.65 Zone-10 N4251140 80 meters : 20 ft : SOUTH SIDE OF K I: SITE IS LOCATED FARMSTEAD. SITE : NEST TREE IS A V CLOSE TO THE FA	HE TREE CENTER. 20 IE OF TWO SYCAMOR IE SOUTH. D 8 APR-25 JUL 2001; R-5 AUG 2004; 2 FLEE Map Index: 51084 urrence 97B) 9953° 0 E613554 (ING ROAD, 0.3 MILE V AT FARMSTEAD #836 E IS BARELY VISIBLE VILLOW; SURROUNDI ARMSTEAD SOUTH OI 20RED 8 APR-10 JUL 2	Mapping Precisions Symbol Type: WEST OF WEST LEVEE ROAD, 7 44: NEST IS AT THE 95% HEIGHT FROM THE ROAD.	RIPARIAN TREE WEST HABITAT CONSISTS ( 4 APR-1 AUG 2002; PC R-16 JUL 2005; 2 FLEE 084 084 SPECIFIC 20INT MILES SE OF DIXON. OF THE MAIN TOP OF STS OF A EXTENSIVE IT OF THE AREA SOUT RED 4 APR-28 JUL 20	OF THE GAP; NES DF A LARGE HAY S DSSIBLY 2 MISSED DGED. Record Last Township: Range: Section: Meridian: F THE NE WILLOW, ALFALFA TO THE N TH OF THE ROAD.	TAT 75% TORAGE / FLEDGLII Dates La Element: Site: Updated: 06N 02E 01 M IN THE N IORTH OF	AREA TO THE NC NGS, 23 JUL 2002 st Seen 2005-08-24 2007-07-10 Qtr: VE E PORTION OF TI = THE ROAD, PAS

Swainson's hawk					Element	Code: ABNKC19070		
State	us ———			B Element Ranks —		Other Lists		
Federal: None				obal: G5		CDFG Stat	us:	
State: Threater	ned		S	itate: S2				
Habitat As	sociations —							
General: BREED	S IN GRASSLAND	S WITH WITH	SCATTERED TRE	ES, JUNIPER-SAGE F	LATS, RIPARIAN ARE	EAS, SAVANNAHS, & A	GRICULTI	URAL OR RANCH
Micro: REQUIF	RES ADJACENT S	UITABLE FOR	AGING AREAS SL	JCH AS GRASSLANDS	OR ALFALFA OR GF	AIN FIELDS SUPPORT	ING ROD	ENT POPULATION
Occurrence No.	. 1154	Map Index:	51085	EO Index:	51085		Dates La	st Seen
Occ Rank:	Good					I	Element:	2005-08-22
Origin:	Natural/Native oc	currence					Site:	2005-08-22
	Presumed Extant	t						
Trend:	Unknown					Record Last	Updated:	2007-07-10
Quad Summary:	: Saxon (3812146/	/497B)						
County Summary	: Solano							
-	38.42018º / -121.					Township:		
	Zone-10 N42531	85 E609774				Range:		
	80 meters			Mapping Precisi		Section:		Qtr: SW
Elevation	35 π			Symbol Ty	e:POINT	Meridian:	IVI	
-	HOUSE. : NEST TREE IS A ALFALFA TO TH NEST MONITOR	A LARGE BLAC IE SW. ED BETWEEN	K WALNUT; SURF 29 APR-3 AUG 20		HABITAT CONSISTS	S OF SUDAN GRASS TO	O THE NW	/ AND EAST, AND
-	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS.	A LARGE BLAC IE SW. ED BETWEEN	K WALNUT; SURF 29 APR-3 AUG 20	ROUNDING FORAGING	HABITAT CONSISTS	OF SUDAN GRASS TO	O THE NW	/ AND EAST, AND
General: Owner/Manager	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT	A LARGE BLAC IE SW. ED BETWEEN NEST MONITO	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	S OF SUDAN GRASS TO	D THE NW	/ AND EAST, AND SEEN CONTAINE
General: Owner/Manager Occurrence No.	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155	A LARGE BLAC IE SW. ED BETWEEN	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING	S HABITAT CONSISTS A PRESENT IN APR-N 9.	OF SUDAN GRASS TO	D THE NW	/ AND EAST, AND SEEN CONTAINE st Seen
General: Owner/Manager Occurrence No. Occ Rank:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent	A LARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index:	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	OF SUDAN GRASS TO	D THE NW NLY NEST Dates La Element:	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19
General: Owner/Manager Occurrence No Occ Rank: Origin:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc	A LARGE BLAC IE SW. ED BETWEEN NEST MONITO Map Index:	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	OF SUDAN GRASS TO	D THE NW NLY NEST Dates La Element:	/ AND EAST, AND SEEN CONTAINE st Seen
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent	A LARGE BLAC IE SW. ED BETWEEN NEST MONITO Map Index:	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	S OF SUDAN GRASS TO MAY 2004, BUT THE ON	D THE NW ALY NEST Dates La: Element: Site:	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc Presumed Extant	A LARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index:	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	S OF SUDAN GRASS TO MAY 2004, BUT THE ON	D THE NW ALY NEST Dates La: Element: Site:	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent Natural/Native oc Presumed Extant Unknown : Saxon (3812146/	A LARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index:	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	S OF SUDAN GRASS TO MAY 2004, BUT THE ON	D THE NW ALY NEST Dates La: Element: Site:	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc Presumed Extant Unknown Saxon (3812146/ : Solano 38.44897°/-121.	MLARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index: ccurrence t (497B) .72236°	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED	S HABITAT CONSISTS A PRESENT IN APR-N 9.	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township:	D THE NW ILY NEST Dates La Element: Site: Updated: 07N	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent Natural/Native oc Presumed Extant Unknown : Saxon (3812146/ : Solano . 38.44897°/ -121. Zone-10 N42564	MLARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index: ccurrence t (497B) .72236°	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index:	9 HABITAT CONSISTS A PRESENT IN APR-N 9. 51086	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range:	D THE NW ILY NEST Dates La Element: Site: Updated: 07N 02E	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19 2007-07-12
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent Natural/Native oc Presumed Extant Unknown : Saxon (3812146/ : Solano : 38.44897° / -121. Zone-10 N42564 80 meters	MLARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index: ccurrence t (497B) .72236°	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index:	B HABITAT CONSISTS	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range: Section:	D THE NW ILY NEST Dates La Element: Site: Updated: 07N 02E 14	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT . 1155 Excellent Natural/Native oc Presumed Extant Unknown : Saxon (3812146/ : Solano : 38.44897° / -121. Zone-10 N42564 80 meters	MLARGE BLAC IE SW. RED BETWEEN NEST MONITO Map Index: ccurrence t (497B) .72236°	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 /	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index:	B HABITAT CONSISTS	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range:	D THE NW ILY NEST Dates La Element: Site: Updated: 07N 02E 14	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19 2007-07-12
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.44897°/ -121. Zone-10 N42564 80 meters 30 ft	MLARGE BLAC E SW. RED BETWEEN NEST MONITO Map Index: ccurrence t (497B) .72236° .04 E611488	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 . 51086	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index:	DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC DINSPECIFIC	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range: Section: Meridian:	D THE NW ILY NEST Dates La Element: Site: Updated: 07N 02E 14	/ AND EAST, AND SEEN CONTAINE st Seen 2005-06-19 2005-06-19 2007-07-12
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Loccation	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.44897°/ -121. Zone-10 N42564 80 meters 30 ft WEST SIDE OF F 2001 NEST TREE	MARGE BLAC E SW. ED BETWEEN NEST MONITO Map Index: ccurrence 497B) 72236° 04 E611488 BULKLEY ROA E LOCATED AT	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 . 51086 D. 0.25 MILE SOL	ROUNDING FORAGING 001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index: Mapping Precisi Symbol Tyj	S HABITAT CONSISTS A PRESENT IN APR-N 5 51086 onSPECIFIC be:POINT AD, 5 MILES EAST OF AD HOUSE; NEST FO	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range: Section: Meridian: DIXON. UND AT THE 85% HEIO	DTHE NW ILY NEST Dates La Element: Site: Updated: 07N 02E 14 M	V AND EAST, AND SEEN CONTAINE 2005-06-19 2005-06-19 2007-07-12 Qtr: SW
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	HOUSE. NEST TREE IS A ALFALFA TO TH NEST MONITOR GHOW CHICKS. PVT 1155 Excellent Natural/Native oc Presumed Extant Unknown Saxon (3812146/ Solano 38.44897°/-121. Zone-10 N42564 80 meters 30 ft WEST SIDE OF F SCOL NEST REE NEST LOCATED	MARGE BLAC E SW. ED BETWEEN NEST MONITO Map Index: ccurrence 497B) 72236° 04 E611488 BULKLEY ROA E LOCATED AT AT 2/3 HEIGH	K WALNUT; SURF 29 APR-3 AUG 20 DRED 23 APR-22 . 51086 D, 0.25 MILE SOL THE FRONT OF T OF THE LOCUS PINE; SURROUNE	ROUNDING FORAGING 2001; 1 FLEDGED. SWH AUG 2005; 1 FLEDGED EO Index: Symbol Typ ITH OF HACKMAN RO. THE #7901 FARMSTE. IT AT THE NE CORNEL	DINSPECIFIC DADA DE SENTIONADA DE STORE DE STORE DE SECIFIC D	S OF SUDAN GRASS TO MAY 2004, BUT THE ON Record Last Township: Range: Section: Meridian: DIXON. UND AT THE 85% HEIO	D THE NW ILY NEST Dates La Element: Site: Updated: 07N 02E 14 M SHT OF TH	/ AND EAST, AND SEEN CONTAINED 2005-06-19 2005-06-19 2007-07-12 Qtr: 3W HE NEST TREE. 20

Swainson's hawk			nent Code: ABNKC19070
Federal: None	us	NDDB Element Ranks Global: G5	CDFG Status:
State: Threate	ned	State: S2	CDFG Status.
Habitat As			
		ED TREES JUNIPER-SAGE FLATS RIPARIAN	AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
			R GRAIN FIELDS SUPPORTING RODENT POPULATIONS.
Occurrence No	. 1156 Map Index: 51087	EO Index: 51087	Dates Last Seen
Occ Rank:	Fair		Element: 2002-07-28
-	Natural/Native occurrence		Site: 2005-08-10
	Presumed Extant Unknown		Record Last Updated: 2007-07-12
Trend.			
Quad Summary County Summary	: Saxon (3812146/497B) : Solano		
	38.48671º/-121.69480º		Township: 07N
-	Zone-10 N4260625 E613833		Range: 02E
Radius:	80 meters	Mapping PrecisionSPECIFIC	Section: 01 Qtr: NE
Elevation	: 30 ft	Symbol Type:POINT	Meridian: M
Location	: SOUTH SIDE OF ROAD 36, IN THE JOG (	OF ROAD 104, 7 MILES NE OF DIXON.	
Location Detai	I: NEST LOCATED AT 2/3 HEIGHT, ON THE	E SOUTH SIDE, OF THE LONE TALL PINE, ON T	THE WEST SIDE OF THE FARMSTEAD.
Ecological	NEST TREE IS A LONE, TALL PINE; SUR SOUTH AND EAST.	ROUNDING FORAGING HABITAT CONSISTS C	OF PASTURE TO THE WEST, WITH A FARMSTEAD TO THE
General		I; 1 FLEDGED. NEST SITE MONITORED 4 APR- GIN NEARBY, 5 JUL 2002. INACTIVE IN 2004 AN	28 JUL 2002; ONE SIGHTING OF BUTEO ON THE NEST, AN ID 2005.
Owner/Manager			
Occurrence No	1157 Man Index: 51088	EO Index: 51088	Dates Last Seen
Occurrence No Occ Rank:	•	EO Index: 51066	Element: 2005-08-24
	Natural/Native occurrence		Site: 2005-08-24
•	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2007-07-16
Quad Summary	: Saxon (3812146/497B)		
County Summary	: Solano		
-	38.48044º / -121.74991º		Township: 07N
	Zone-10 N4259863 E609036		Range: 02E
Radius: Elevation	80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 03 Qtr: SE Meridian: M
		OUTH OF TREMONT ROAD, 4 MILES NE OF DIX	
Location Detai	I:2001-2002 NEST TREE WAS THE SECON FOUND AT THE 90% HEIGHT, NORTH O		OW BETWEEN THE ROAD AND DITCH TO THE WEST; NE
Ecological	I: NEST TREE IS A BLACK WALNUT; SURF		TOMATOES TO THE WEST AND BARE DIRT (AFTER
	WHEAT HARVEST) TO THE EAST.		
General			G 2002; INCUBATION OBS 9 MAY 2002, 0 FLEDGED. NEST 5; NEST FOUND, SITE DEFENDED, BUT 0 FLEDGED.
		CED. NEOT MONITORED THAT RE24 AGG 2000	, NEOT FOOND, ONE DEFENDED, BOT OF EEDGED.
Owner/Manager	UNKNOWN		
	. 1158 Map Index: 51090	<b>EO Index:</b> 51090	Dates Last Seen
Occurrence No			Element: 2004-08-05
Occurrence No Occ Rank:	Excellent		
Occ Rank: Origin:	Natural/Native occurrence		Site: 2005-07-16
Occ Rank: Origin: Presence:	Natural/Native occurrence     Presumed Extant		Site: 2005-07-16 Record Last Updated: 2007-07-16
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown		
Occ Rank: Origin: Presence: Trend: Quad Summary	Natural/Native occurrence     Presumed Extant     Unknown     Saxon (3812146/497B)		
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Solano		Record Last Updated: 2007-07-16
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	: Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.40906° / -121.71138°		Record Last Updated: 2007-07-16
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Solano	Mapping PrecisionSPECIFIC	Record Last Updated: 2007-07-16
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.40906° / -121.71138° Zone-10 N4251989 E612508 : 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Record Last Updated: 2007-07-16 Township: 07N Range: 02E
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	: Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.40906° / -121.71138° Zone-10 N4251989 E612508 : 80 meters	Symbol Type:POINT	Record Last Updated: 2007-07-16 Township: 07N Range: 02E Section: 36 Qtr: VW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	Natural/Native occurrence     Presumed Extant     Unknown     Saxon (3812146/497B)     Solano     38.40906° / -121.71138°     Zone-10 N4251989 E612508     80 meters     30 ft     0.25 MILE WEST OF YOLANO ROAD, 6 M I:2001 NEST TREE WAS NEAR THE UPST	Symbol Type:POINT MILES SE OF DIXON. REAM (WEST) END OF THE RIPARIAN STRIP;	Record Last Updated: 2007-07-16 Township: 07N Range: 02E Section: 36 Qtr: VW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Saxon (3812146/497B)</li> <li>Solano</li> <li>38.40906° / -121.71138° Zone-10 N4251989 E612508</li> <li>80 meters</li> <li>30 ft</li> <li>: 0.25 MILE WEST OF YOLANO ROAD, 6 M</li> </ul>	Symbol Type:POINT MILES SE OF DIXON. REAM (WEST) END OF THE RIPARIAN STRIP;	Record Last Updated: 2007-07-16 Township: 07N Range: 02E Section: 36 Qtr: NW Meridian: M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Saxon (3812146/497B)</li> <li>Solano</li> <li>38.40906° / -121.71138° Zone-10 N4251989 E612508</li> <li>80 meters</li> <li>30 ft</li> <li>0.25 MILE WEST OF YOLANO ROAD, 6 M</li> <li>1:2001 NEST TREE WAS NEAR THE UPST NORTH SIDE, HANGING OVER THE DIR</li> </ul>	Symbol Type:POINT MILES SE OF DIXON. REAM (WEST) END OF THE RIPARIAN STRIP; T FARM ROAD.	Record Last Updated: 2007-07-16 Township: 07N Range: 02E Section: 36 Qtr: NW Meridian: M

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

Occurrence No.	1159	Map Index:	51099	EO Index: 51099		Dates La	st Seen ———
Occ Rank:		•			I		2005-08-10
•	Natural/Native occ	urrence				Site:	2005-08-10
	Presumed Extant Unknown				Record Last	Updated:	2007-07-16
Quad Summary:	Saxon (3812146/4	97B)					
County Summary	Solano						
-	38.48380º/-121.7				Township:	07N	
• • • • •	Zone-10 N426026	7 E611314			Range:		
Radius: Elevation:	80 meters			Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: Meridian:		Qtr: ∖W
Lievation.	55 h			Symbol Type: Ont	Werlulan.	IVI	
				SOUTH OF TREMONT ROAD, 6 MILES NE OF DIXO			
Location Detail				EBETWEEN TWO PALMS; NEST WAS LOCATED AT ALM JUST SW OF THE PINE USED IN 2001-2002.	THE 90% HEIGHT,	ON THE N	IE SIDE OF THE NEST
Ecological	NEST TREE WAS	A PALM (PR	EVIOUSLY A	PINE); SURROUNDING FORAGING HABITAT CONS	SISTS OF ALFALFA I	N ALL DIF	RECTIONS.
General:				LEDGED. NEST MONITORED 4 APR-15 JUL 2002; 3 AUG 2005; 2 FLEDGED.	3 FLEDGED. NEST N	IONITORE	ED 7 APR-10 AUG 2004; 1
Owner/Manager:	PVT						
Occurrence No.	1160	Map Index:	51102	EO Index: 51102		Dates La	st Seen
Occ Rank:					I		2005-08-26
Origin:	Natural/Native occ	urrence			I	Element: Site:	
Origin: Presence:	Natural/Native occ Presumed Extant	urrence			Record Last	Site:	2005-08-26
Origin: Presence: Trend:	Natural/Native occ Presumed Extant Unknown					Site:	2005-08-26
Origin: Presence: Trend:	Natural/Native occ Presumed Extant					Site:	2005-08-26
Origin: Presence: Trend:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4					Site:	2005-08-26
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921º / -121.7	97B) 70650°				Site: Updated:	2005-08-26
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921º / -121.7 Zone-10 N425201	97B) 70650°			Record Last Township: Range:	Site: Updated: 07N 02E	2005-08-26 2007-07-16
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921º / -121.7 Zone-10 N425201 80 meters	97B) 70650°		Mapping PrecisionSPECIFIC	Record Last Township: Range: Section:	Site: Updated: 07N 02E 36	2005-08-26
Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 : Solano 38.40921º / -121.7 Zone-10 N425201 80 meters 25 ft	97B) 70650° 1 E612934		Symbol Type:POINT	Record Last Township: Range:	Site: Updated: 07N 02E 36	2005-08-26 2007-07-16
Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921 <sup>0</sup> / -121.7 Zone-10 N425201 80 meters 25 ft EAST SIDE OF YC	97B) 70650° 1 E612934 DLANO ROAI		Symbol Type:POINT	Record Last Township: Range: Section: Meridian:	Site: Updated: 07N 02E 36 M	2005-08-26 2007-07-16 Qtr: NW
Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location:	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921º / -121.7 Zone-10 N425201 80 meters 25 ft EAST SIDE OF YC :2001 NEST TREE	97B) 70650° 1 E612934 DLANO ROAI	ED OPPOSIT	Symbol Type:POINT	Record Last Township: Range: Section: Meridian: ST FOUND AT THE 2	Site: Updated: 07N 02E 36 M	2005-08-26 2007-07-16 Qtr: NW
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 : Solano 38.40921º / -121.7 Zone-10 N425201 80 meters 25 ft EAST SIDE OF YC :2001 NEST TREE ON THE NE SIDE	97B) 70650° 1 E612934 DLANO ROAI WAS LOCAT . 2002 NEST COTTONWO	TED OPPOSIT LOCATED AT OD; SURROU	Symbol Type:POINT E OF DIXON. TE THE END OF THE MAJOR RIPARIAN STRIP; NES 3/4 HEIGHT ON THE SE SIDE OF THE NEST TREE INDING FORAGING HABITAT CONSISTS OF ALFAL	Record Last Township: Range: Section: Meridian: ST FOUND AT THE 2	Site: Updated: 07N 02E 36 M /3 HEIGHT	2005-08-26 2007-07-16 Qtr: NW
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Location Detail Ecological	Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Solano 38.40921º / -121.7 Zone-10 N425201 80 meters 25 ft EAST SIDE OF YC :2001 NEST TREE ON THE NE SIDE NEST TREE IS A FARMSTEAD, CO NEST MONITORE	97B) 70650° 1 E612934 DLANO ROAI WAS LOCAT WAS LOCAT 2002 NEST COTTONWO RPORATION CD 25 JUL-18	TED OPPOSIT LOCATED AT OD; SURROU I YARD TO TH AUG 2001; 0	Symbol Type:POINT E OF DIXON. TE THE END OF THE MAJOR RIPARIAN STRIP; NES 3/4 HEIGHT ON THE SE SIDE OF THE NEST TREE INDING FORAGING HABITAT CONSISTS OF ALFAL	Record Last Township: Range: Section: Meridian: ST FOUND AT THE 2  FA TO THE SE, COF	Site: Updated: 07N 02E 36 M /3 HEIGHT RN TO THE	2005-08-26 2007-07-16 Qtr: NW C OF THE NEST TREE, E SW, AND TREES,

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

Occurrence No.	. 1161	Map Index:	51109	EO Index: 51109		Dates Las	oceni
Occ Rank: Origin:	Good Natural/Native occ	urrence			E		2005-08-12 2005-08-12
Presence:	Presumed Extant Unknown				Record Last	Updated:	2005-12-07
Quad Summary:	: Dixon (3812147/49	98A)					
County Summary:	: Solano						
Lat/Long:	38.49512º / -121.8	2886°			Township:	08N	
UTM:	Zone-10 N426140	2 E602129			Range:	01E	
Radius:	80 meters			Mapping PrecisionSPECIFIC	Section:	35	Qtr: SE
Elevation:	70 ft			Symbol Type:POINT	Meridian:	М	
Location:	: 0.4 MILE WEST O	F CURREY R	OAD, 3 MILES	S NORTH OF DIXON			
Location Detail	NEST LOCATED A	AT THE 90% H	HEIGHT OF T	HE NEST TREE, A RAGGED EUCALYPTUS.			
Ecological:				UCALYPTUS; SURROUNDING FORAGING HABIT. ARGE TREES AND A FARMSTEAD TO THE SOUT		TIVATED	LAND TO THE SOU
General:				FLEDGED. NEST MONITORED 15 MAY-24 JUL 20 D 15 APR-2 AUG 2004; 1 FLEDGED. NEST MONI			
	DIGHT FATED D						
Owner/Manager:							
Owner/Manager: Occurrence No.	: PVT	Map Index:	51111	EO Index: 51111		Dates Las	st Seen
Ū	: PVT . 1162		51111	EO Index: 51111			<b>t Seen</b>
Occurrence No. Occ Rank:	: PVT . 1162	Map Index:	51111	EO Index: 51111		lement:	
Occurrence No. Occ Rank: Origin:	: PVT . 1162 Good	Map Index:	51111	EO Index: 51111		lement:	2005-07-18
Occurrence No. Occ Rank: Origin: Presence:	: PVT . 1162 Good Natural/Native occu	Map Index:	51111	EO Index: 51111		lement: Site:	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend:	: PVT . 1162 Good Natural/Native occu Presumed Extant	Map Index: urrence	51111	EO Index: 51111	E	lement: Site:	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend:	: PVT Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/48	Map Index: urrence	51111	EO Index: 51111	E	lement: Site:	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary:	: PVT Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/48	Map Index: urrence 98A)	51111	EO Index: 51111	E	ilement: Site: Updated:	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	: PVT . 1162 Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/49 : Solano	Map Index: urrence 08A) 19757°	51111	EO Index: 51111	E Record Last I	Updated:	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	: PVT . 1162 Good Natural/Native occu Presumed Extant Unknown : Dixon (3812147/49 : Solano : 38.49622º / -121.7	Map Index: urrence 08A) 19757°	51111	EO Index: 51111	E Record Last I Township:	Updated: 08N 02E	2005-07-18 2005-07-18
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	: PVT : 1162 Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/49 : Solano : 38.49622º / -121.7 Zone-10 N426155 80 meters	Map Index: urrence 08A) 19757°	51111		E Record Last I Township: Range:	Updated: 08N 02E 31	2005-07-18 2005-07-18 2005-12-07
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	: PVT . 1162 Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/49 : Solano : 38.49622° / -121.7 Zone-10 N426155 80 meters : 60 ft	Map Index: urrence 28A) 9757° 9 E604856		Mapping PrecisionSPECIFIC	E Record Last ( Township: Range: Section: Meridian:	lement: Site: Updated: 08N 02E 31 M	2005-07-18 2005-07-18 2005-12-07 Qtr: VW
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	: PVT : 1162 Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/49 : Solano : 38.49622° / -121.7 Zone-10 N426155: 80 meters : 60 ft : NORTH SIDE OF	Map Index: urrence 28A) 9 E604856 TREMONT RG A SOLITARY	OAD, JUST W Y BLACK WALI	Mapping PrecisionSPECIFIC Symbol Type:POINT /EST OF THE TREMONT ROAD DEAD-END, WES' NUT; SURROUNDING FORAGING HABITAT CON	E Record Last ( Township: Range: Section: Section: Meridian:	lement: Site: Updated: 08N 02E 31 M E OF DIXC	2005-07-18 2005-07-18 2005-12-07 Qtr: \W
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location: Ecological:	: PVT . 1162 Good Natural/Native occi Presumed Extant Unknown : Dixon (3812147/49 : Solano : 38.49622° / -121.7 Zone-10 N426155 80 meters : 60 ft : NORTH SIDE OF : NEST TREE WAS SOUTH, FREEWA NEST MONITORE	Map Index: urrence 28A) 9 E604856 TREMONT RC A SOLITARY Y TO THE EA D 16 JUN-2 A	OAD, JUST W Y BLACK WALI AST, AND USO	Mapping PrecisionSPECIFIC Symbol Type:POINT /EST OF THE TREMONT ROAD DEAD-END, WES' NUT; SURROUNDING FORAGING HABITAT CON	E Record Last ( Township: Range: Section: Meridian: ST OF I-80, 3 MILES NNE ISISTS OF ALFALFA TO RED 28 APR-24 JUL 200	Olement:         Site:           Updated:         08N           02E         31           M         E           E         OF           D         THE           D2;         POSSI	2005-07-18 2005-07-18 2005-12-07 <b>Qtr:</b> VW NN RTH, RUDERAL TO

					ment Code: ABNKC19070		
Stat	us ———		NDDB Eleme		Other Lists		
Federal: None			Global: G	-	CDFG Stat	us:	
State: Threate			State: S2	2			
	ssociations —						
				NIPER-SAGE FLATS, RIPARIAN GRASSLANDS, OR ALFALFA O			
MICHO: NEQUI		SOTTABLE I OK	GING AREAS SOCITAS	GRASSLANDS, OR ALI ALI A O	IC GIVAINT IEEDS SOFF OIC		
Occurrence No	. 1163	Map Index:	51112	EO Index: 51112	_	Dates La	st Seen
Occ Rank	None					Element:	2001-07-21
Origin	Natural/Native c	occurrence				Site:	2002-06-08
	Extirpated				Descendence	the deterd	0004.04.40
Trend:	Decreasing				Record Last	Updated	2004-04-19
Quad Summary	: Dixon (3812147	7/498A)					
County Summary	: Solano						
Lat/Long	38.47364º/-12	1.81961º			Township:	07N	
	Zone-10 N4259	028 E602966			Range:		
	80 meters		м	apping PrecisionSPECIFIC	Section:		Qtr: NW
Elevation	: 65 ft			Symbol Type:POINT	Meridian:	М	
Location	: 0.2 MILE SOUT	H OF I-80 AND	.2 MILE EAST OF HIGHV	VAY 113, 1.5 MILES NORTH OF	DIXON		
Location Detai	I:NEST TREE IS	THE SOUTHMO	ST AND LARGEST BLAC	K WALNUT; NEST LOCATED A	T THE 85% HEIGHT OF THE	NEST TR	EE, JUST SOUTH
	CENTER.						
Threat	SOUTH. THREATENED CENTER).	BY DEVELOPM	ENT (ALL TREES/SHRUB	RAGING HABITAT CONSISTS O S REMOVED; AREA IS AWAITIN	NG DEVELOPMENT AS DIX	ON MEAD	OWS CONFEREN
Threat	SOUTH. : THREATENED CENTER). : NEST SUSPEC	BY DEVELOPM	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ		NG DEVELOPMENT AS DIX	ON MEAD	OWS CONFEREN 22 APR-21 JUL 20
Threat	SOUTH. THREATENED CENTER). NEST SUSPEC FLEDGED. NO	BY DEVELOPM	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ	S REMOVED; AREA IS AWAITII	NG DEVELOPMENT AS DIX	ON MEAD	OWS CONFEREN 22 APR-21 JUL 20
Threat General Owner/Manager	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT	BY DEVELOPM	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX	ON MEAD IITORED, I BS WERE	OWS CONFEREN 22 APR-21 JUL 20 REMOVED.
Threat General Owner/Manager Occurrence No	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164	BY DEVELOPM	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITII	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI	ON MEAD ITORED, : BS WERE Dates La	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen
Threat General Owner/Manager Occurrence No Occ Rank:	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index:	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI	ON MEAD IITORED, I BS WERE	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Doccurrence	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI	ON MEAD IITORED, ; BS WERE Dates La Element:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence:	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native c	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Doccurrence	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI	ON MEAD IITORED, ; BS WERE Dates La Element: Site:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	SOUTH. THREATENED CENTER). NEST SUSPEC FLEDGED. NO PVT 1164 Good Natural/Native c Presumed Extai	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI	ON MEAD IITORED, ; BS WERE Dates La Element: Site:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native of Presumed Extain Unknown : Dixon (3812147	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI	ON MEAD IITORED, ; BS WERE Dates La Element: Site:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native of Presumed Extain Unknown : Dixon (3812147	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Doccurrence nt 7/498A)	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI	ON MEAD ITORED, J BS WERE Dates La Element: Site: Updated:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native c : Presumed Extai Unknown : Dixon (3812147 : Solano	BY DEVELOPMI TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt 7/498A) 1.78602°	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002;	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI 	DN MEAD ITORED, J BS WERE Dates La Element: Site: Updated:	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native c Presumed Extai Unknown : Dixon (3812147 : Solano : 38.44982°/-12	BY DEVELOPMI TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt 7/498A) 1.78602°	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002; 51114	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI Record Last	ON MEAD ITORED, J BS WERE Dates La Element: Site: Updated: 07N 02E	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native c : Presumed Extau Unknown : Dixon (3812147 : Solano : 38.44982° / -12 Zone-10 N4256 : 80 meters	BY DEVELOPMI TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt 7/498A) 1.78602°	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002; 51114	S REMOVED; AREA IS AWAITII UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20 EO Index: 51114	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI Record Last Township: Range:	ON MEAD ITORED, J BS WERE Dates La Element: Site: Updated: Updated: 07N 02E 17	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04 2005-12-07
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native c : Presumed Extai Unknown : Dixon (3812147 : Solano : 38.44982° / -12 Zone-10 N4256 : 80 meters : 55 ft	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt 7/498A) 1.78602° 1423 E605931	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002; 51114	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20 EO Index: 51114	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI Record Last Township: Range: Section: Meridian:	ON MEAD ITORED, J BS WERE Dates La Element: Site: Updated: Updated: 07N 02E 17	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04 2005-12-07
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native of Presumed Extail Unknown : Dixon (3812147 : Solano : 38.44982° / -12 Zone-10 N4256 : 80 meters : 55 ft : WEST SIDE OF I:NEST TREE LC	BY DEVELOPM TED AT THIS SI RAPTORS OBS Map Index: Deccurrence nt (7498A) 1.78602° 5423 E605931 F ROBBEN ROAL DECATED WITHIN	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002; 51114 51114 0, 0.2 MILE SOUTH OF H/ A ROW OF TREES ON T	S REMOVED; AREA IS AWAITIN UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20 EO Index: 51114 apping PrecisionSPECIFIC Symbol Type:POINT	NG DEVELOPMENT AS DIX ONFIRMATION. NEST MON 02, ALL TREES AND SHRUI Record Last Township: Range: Section: Meridian: OF DIXON ENT TO FARMSTEAD #7901	DN MEAD ITORED, J BS WERE Dates La Element: Site: Updated: Updated: 07N 02E 17 M ; NEST FC	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04 2005-12-07 Qtr: SE
Threat General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	SOUTH. : THREATENED CENTER). : NEST SUSPEC FLEDGED. NO : PVT . 1164 : Good : Natural/Native of Presumed Extai Unknown : Dixon (3812147 : Solano : 38.44982° / -12 Zone-10 N4256 : 80 meters : 55 ft : WEST SIDE OF I: NEST TREE LO HEIGHT (IN 200	BY DEVELOPMI TED AT THIS SI RAPTORS OBS Map Index: DECUIFIENCE 1.78602°	ENT (ALL TREES/SHRUB TE IN 2000, BUT INADEQ ERVED ON 14 MAY 2002; 51114 51114 D, 0.2 MILE SOUTH OF H, A ROW OF TREES ON T H OF CENTER, OF THE N	S REMOVED; AREA IS AWAITII UATE ACCESS PREVENTED C SOMETIME BEFORE 8 JUN 20 EO Index: 51114 apping PrecisionSPECIFIC Symbol Type:POINT ACKMAN ROAD, 2 MILES EAST HE WEST SHOULDER, ADJACI	NG DEVELOPMENT AS DIX ONFIRMATION: NEST MON 02, ALL TREES AND SHRUI Record Last Township: Range: Section: Meridian: OF DIXON ENT TO FARMSTEAD #7901 00% HEIGHT OF SAME TRE	DN MEAD ITORED, 3 BS WERE Dates La Element: Site: Updated: Updated: 07N 02E 17 M ; NEST FC E IN 2002	OWS CONFEREN 22 APR-21 JUL 20 REMOVED. st Seen 2005-08-04 2005-08-04 2005-12-07 Qtr: SE Qtr: SE DUND AT THE 80° AND 2004.

wainson's hawk				Element	Code: ABNKC19070		
Sta	tus ———		NDDB Element Ranks -		Other Lists		
Federal: None			Global: G5		CDFG State	ls:	
State: Threate	ened		State: S2				
Habitat A	ssociations —						
General: BREED	S IN GRASSLAND	DS WITH WITH SCA	TTERED TREES, JUNIPER-SAGE	FLATS, RIPARIAN ARE	AS, SAVANNAHS, & A	GRICULTI	JRAL OR RANCI
Micro: REQUI	RES ADJACENT S		NG AREAS SUCH AS GRASSLANDS	S, OR ALFALFA OR GR	AIN FIELDS SUPPORT	ING ROD	ENT POPULATIO
Occurrence No	<b>.</b> 1165	Map Index: 511	19 EO Index:	51119		Dates La	st Seen ———
Occ Rank	: Excellent	•			1	Element:	2005-07-17
Origin	: Natural/Native of	ccurrence				Site:	2005-07-17
	: Presumed Extan	nt					
Trend	: Unknown				Record Last	Updated:	2005-12-07
Quad Summary	r: Dixon (3812147/	/498A)					
County Summar	y: Solano						
-	: 38.43123º/-121				Township:		
	Zone-10 N42543	386 E607926			Range:		
Area Elevation	: 12.5 acres		Mapping Precis		Section: Meridian:		Qtr: SW
Elevation	1: 40 11		Symbol Ty	/pe:POLYGON	wendan:	IVI	
Location	1: ALONG MILLER	ROAD, 0.8 MILE W	EST OF SIKES ROAD, 3 MILES SE	OF DIXON			
Location Deta		ST LOCATED AT T	HE 90% HEIGHT OF THE CENTRAL	LOCUST IN A NORTH	-SOUTH ROW, EAST O	OF THE ME	ETAL BARN ON
	SOUTH SIDE O DRIVEWAY.	F MILLER ROAD. 20	004 NEST LOCATED AT THE 95% H	IEIGHT OF A BLACK W	ALNUT NORTH OF TH	E ROAD, I	EAST OF THE
Ecologica	DRIVEWAY.		004 NEST LOCATED AT THE 95% F SURROUNDING FORAGING HABI				
-	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF	E WAS A LOCUST; RED 17 MAR-24 JUL		TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS	ST, AND CULTIV
-	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOR 1 FLEDGED. NE	E WAS A LOCUST; RED 17 MAR-24 JUL	SURROUNDING FORAGING HABI	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS	ST, AND CULTIV
Genera	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT	E WAS A LOCUST; RED 17 MAR-24 JUL	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS	ST, AND CULTIV/ RED 9 APR-10 A
General Owner/Manage Occurrence No	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT	E WAS A LOCUST; RED 17 MAR-24 JUL ST MONITORED 30	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS	ST, AND CULTIV/ RED 9 APR-10 A
General Owner/Manage Occurrence No Occ Rank Origin	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOR 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native on	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS MONITO Dates Las Element:	ST, AND CULTIV/ RED 9 APR-10 A
General Owner/Manage Occurrence No Occ Rank Origin Presence	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOR 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	ALFA TO THE NORTH 02; 2 FLEDGED. NEST 	AND EAS MONITO Dates Las Element: Site:	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOR 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native on	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS MONITO Dates Las Element: Site:	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOR 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan	E WAS A LOCUST; RED 17 MAR-24 JUL ST MONITORED 30 Map Index: 511 ccurrence it	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	ALFA TO THE NORTH 02; 2 FLEDGED. NEST 	AND EAS MONITO Dates Las Element: Site:	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/	E WAS A LOCUST; RED 17 MAR-24 JUL ST MONITORED 30 Map Index: 511 ccurrence it	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	ALFA TO THE NORTH 02; 2 FLEDGED. NEST 	AND EAS MONITO Dates Las Element: Site:	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ y: Solano : 38.43754° / -121	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence at (498A)	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO ) MAR-17 JUL 2005; 2 FLEDGED.	TAT CONSISTS OF ALF	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan : Unknown r: Dixon (3812147/ y: Solano I: 38.43754° / -121 : Zone-10 N42550	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence at (498A)	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO 0 MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index:	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04 2005-12-07
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM Radius	DRIVEWAY. II: 2005 NEST TRE THE SOUTH. II: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native of : Presumed Extan : Unknown r: Dixon (3812147/ y: Solano II: 38.43754° / -121 : Zone-10 N4255( : 80 meters	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence at (498A)	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO 0 MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index: Mapping Precis	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E 20	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM	DRIVEWAY. II: 2005 NEST TRE THE SOUTH. II: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native of : Presumed Extan : Unknown r: Dixon (3812147/ y: Solano II: 38.43754° / -121 : Zone-10 N4255( : 80 meters	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence at (498A)	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO 0 MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index:	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E 20	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04 2005-12-07
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	DRIVEWAY. I: 2005 NEST TRE THE SOUTH. I: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 : Excellent : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ y: Solano I: 38.43754° / -121 : Zone-10 N42550 : 80 meters I: 45 ft	E WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence it (498A) 1.78200° 065 E606300	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO 0 MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index: Mapping Precis	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125 51125 sionSPECIFIC rpe:POINT	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E 20	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04 2005-12-07
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM Radius Elevation Location	DRIVEWAY. II: 2005 NEST TRE THE SOUTH. II: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 Excellent Natural/Native or Presumed Extan Unknown Prosumed Extan Unknown Prosumed Extan Unknown II: 38.43754° / -121 Zone-10 N42550 80 meters II: 45 ft II: 0.2 MILE EAST (	EE WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence it (498A) 1.78200° 065 E606300 OF ROBBEN ROAD	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index: Mapping Precis Symbol Ty	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125 sionSPECIFIC rpe:POINT ND, 2 MILES ESE OF DI	FALFA TO THE NORTH	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E 20 M	ST, AND CULTIV/ RED 9 APR-10 A st Seen 2005-08-04 2005-08-04 2005-12-07
General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM Radius Elevation Location Location Deta	DRIVEWAY. II: 2005 NEST TRE THE SOUTH. II: NEST MONITOF 1 FLEDGED. NE r: PVT D. 1166 Excellent Natural/Native or Presumed Extan Presumed Extan I: Jonn (3812147/ y: Solano I: 38.43754° / -121 Zone-10 N4255( 80 meters I: 45 ft D. 2 MILE EAST ( II: NEST LOCATER	EE WAS A LOCUST; RED 17 MAR-24 JUL EST MONITORED 30 Map Index: 511 ccurrence it (498A) 1.78200° 065 E606300 OF ROBBEN ROAD D AT THE 90% HEIC	SURROUNDING FORAGING HABI 2001; 1 FLEDGED. NEST MONITO MAR-17 JUL 2005; 2 FLEDGED. 25 EO Index: Mapping Precis Symbol Ty , 0.5 MILE NORTH OF MILLER ROA	TAT CONSISTS OF ALF DRED 21 APR-17 JUL 20 51125 sionSPECIFIC /pe:POINT AD, 2 MILES ESE OF DI .YPTUS FROM THE SC	FALFA TO THE NORTH 102; 2 FLEDGED. NEST Record Last Township: Range: Section: Meridian: XON UTH, IN THE EAST RC	AND EAS MONITO Dates La: Element: Site: Updated: 07N 02E 20 M	ST, AND CULTIV RED 9 APR-10 A st Seen 2005-08-04 2005-12-07 Qtr: SW

Swainson's hawk					Element Code: ABNKC1907	0	
Stat	us ———			ment Ranks	Other List	s ——	
Federal: None			Global		CDFG	Status:	
State: Threate	ned		State:	: S2			
Habitat As	ssociations —						
General: BREED	S IN GRASSLAND	DS WITH WITH S	SCATTERED TREES,	JUNIPER-SAGE FLATS, RIPAR	RIAN AREAS, SAVANNAHS,	& AGRICULT	URAL OR RANCH
Micro: REQUI	RES ADJACENT S	SUITABLE FOR	AGING AREAS SUCH	AS GRASSLANDS, OR ALFALF	FA OR GRAIN FIELDS SUPP	ORTING ROL	DENT POPULATIC
Occurrence No	1167	Map Index:	51126	EO Index: 51126	_	— Dates La	ast Seen
Occ Rank:						Element:	2004-07-17
	Natural/Native of	ccurrence				Site:	2005-08-04
Presence	Presumed Extan	nt					
Trend:	Unknown				Record	ast Updated	: 2006-04-20
Quad Summary	: Dixon (3812147/	/498A)					
County Summary	: Solano						
Lat/Long	: 38.43760º/-121	1.78745º			Townsl	ip: 07N	
UTM:	Zone-10 N42550	066 E605824			Ran	je: 02E	
Area:	8.6 acres			Mapping PrecisionSPECIFIC	Secti	on: 19	Qtr: SE
Elevation	: 45 ft			Symbol Type:POLYGON	Meridi	an: M	
Ecological	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF	F THE EASTMO AS A SLENDER, RED 7 APR-10 A	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN .UG 2001; PAIR DISAP	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001.	NG FORAGING HABITAT CC	WEST END (	DF ROW. ALFALFA TO THE
Ecological	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20	F THE EASTMO AS A SLENDER, RED 7 APR-10 A	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN .UG 2001; PAIR DISAP	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR	WEST END (	DF ROW. ALFALFA TO THE
Ecological General Owner/Manager	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 002. ADULTS, B	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR	WEST END C	DF ROW. ALFALFA TO THE
Ecological General Owner/Manager Occurrence No	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT	F THE EASTMO AS A SLENDER, RED 7 APR-10 A	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001.	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR	WEST END ( NSISTS OF / -1 AUG 2002; Dates La	DF ROW. ALFALFA TO THE ADULTS DISAPP
Ecological General Owner/Manager Occurrence No Occ Rank:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index:	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR	WEST END ( NSISTS OF / -1 AUG 2002; Dates La	DF ROW. ALFALFA TO THE ADULTS DISAPP
Ecological General Owner/Manager Occurrence No Occ Rank: Origin:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 2002. ADULTS, B Map Index: ccurrence	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005.	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site:	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native of	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 2002. ADULTS, B Map Index: ccurrence	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005.	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site:	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT - 1168 : Excellent : Natural/Native oi : Presumed Extan	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index: accurrence nt	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005.	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site:	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native oi : Presumed Extan : Unknown : Dixon (3812147/	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index: accurrence nt	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005.	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site:	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native oi : Presumed Extan : Unknown : Dixon (3812147/	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 002. ADULTS, B Map Index: accurrence nt /498A)	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. - Record I	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site:	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ r: Solano	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 002. ADULTS, B Map Index: Accurrence nt (498A)	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. 1 IN 2004. ONLY 2 ADULT SIGH	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. - Record I	WEST END C NSISTS OF / -1 AUG 2002; Dates La Element: Site: .ast Updated	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native of : Presumed Extant Unknown : Dixon (3812147/ r: Solano : 38.45267° / -121 Zone-10 N4256; : 80 meters	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 002. ADULTS, B Map Index: Accurrence nt (498A)	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN PPEARED, 21 JUN-5 JUL 2001. N IN 2004. ONLY 2 ADULT SIGH EO Index: 51130 Mapping PrecisionSPECIFIC	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. - Record I Comnsi Rang Secti	<ul> <li>WEST END C</li> <li>NSISTS OF /</li> <li>AUG 2002;</li> <li>Dates La</li> <li>Element: Site:</li> <li>ast Updated</li> <li>ip: 07N</li> <li>ip: 02E</li> <li>on: 17</li> </ul>	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT . 1168 : Excellent : Natural/Native of : Presumed Extant Unknown : Dixon (3812147/ r: Solano : 38.45267° / -121 Zone-10 N4256; : 80 meters	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 002. ADULTS, B Map Index: Accurrence nt (498A)	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUN UG 2001; PAIR DISAP UT NO CHICKS, SEEN	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN PPEARED, 21 JUN-5 JUL 2001. N IN 2004. ONLY 2 ADULT SIGH EO Index: 51130	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. - Record I Comnsi Rang Secti	WEST END C NSISTS OF / 1 AUG 2002; Dates La Element: Site: .ast Updated	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21 : 2005-12-07
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT : 1168 : Excellent : Natural/Native or : Presumed Extan : Unknown : Dixon (3812147/ r: Solano : 38.45267° / -121 Zone-10 N4256; : 80 meters : 50 ft	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index: ACCURRENCE Map Index: ACCURRENCE Map Index: ACCURRENCE Map Index: ACCURRENCE Map Index: ACCURRENCE ACCURREN	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUM UG 2001; PAIR DISAP UT NO CHICKS, SEEN 51130	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN PPEARED, 21 JUN-5 JUL 2001. N IN 2004. ONLY 2 ADULT SIGH EO Index: 51130 Mapping PrecisionSPECIFIC	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. - Record I Townsl Rany Secti Meridi	<ul> <li>WEST END C</li> <li>NSISTS OF /</li> <li>AUG 2002;</li> <li>Dates La</li> <li>Element: Site:</li> <li>ast Updated</li> <li>ip: 07N</li> <li>ip: 02E</li> <li>on: 17</li> </ul>	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21 : 2005-12-07
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary UTM: Radius: Elevation Location	95% HEIGHT OI I: NEST TREE WA AND SOUTH. : NEST MONITOF AFTER 6 JUN 20 : PVT : 1168 : Excellent : Natural/Native oi : Presumed Extan : Unknown : Dixon (3812147/ r: Solano : 38.45267° / -121 Zone-10 N42563 : 80 meters : 50 ft : NORTH SIDE O I: 2001 NEST LOC	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index: accurrence nt /498A) 1.78374° 742 E606126 DF HACKMAN RC CATED AT THE 8	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUM UG 2001; PAIR DISAP UT NO CHICKS, SEEN 51130 DAD, BETWEEN HARF 35% HEIGHT OF THE	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN PPEARED, 21 JUN-5 JUL 2001. N IN 2004. ONLY 2 ADULT SIGH EO Index: 51130 Mapping PrecisionSPECIFIC Symbol Type:POINT	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. Record I Rang Secti Meridi D, 1.5 MILES NE OF DIXON CK WALNUTS. POSSIBLE N	<ul> <li>WEST END C</li> <li>NSISTS OF /</li> <li>AUG 2002;</li> <li>Dates La</li> <li>Element: Site:</li> <li>ast Updated</li> <li>ast Updated</li> <li>ip: 07N</li> <li>ip: 02E</li> <li>ip: 02E</li> <li>in: 17</li> <li>an: M</li> <li>EST HIGH IN</li> </ul>	DF ROW. ALFALFA TO THE ADULTS DISAPP ast Seen 2005-07-21 2005-07-21 : 2005-12-07 Qtr: NW MIDDLE TREE IN
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	95% HEIGHT OI I: NEST TREE WA AND SOUTH. I: NEST MONITOF AFTER 6 JUN 20 I: PVT I 1168 I: Excellent I: Natural/Native or Presumed Extan Unknown I: Dixon (3812147/ I: Solano I: 38.45267° / -121 Zone-10 N42567 I: NORTH SIDE O I: 2001 NEST LOC DEAD EASTERI	F THE EASTMO AS A SLENDER, RED 7 APR-10 A 0002. ADULTS, B Map Index: ACCUITENCE Int (498A) 1.78374° 742 E606126 ATED AT THE 8 N TREES WERE	ST TREE IN A ROW. 2 FLEXIBLE BLUE GUM UG 2001; PAIR DISAP UT NO CHICKS, SEEN 51130 DAD, BETWEEN HARF 35% HEIGHT OF THE REMOVED BEFORE	2004 NEST AT 90% HEIGHT OF 1 EUCALYPTUS; SURROUNDIN 2PEARED, 21 JUN-5 JUL 2001. N IN 2004. ONLY 2 ADULT SIGH EO Index: 51130 Mapping PrecisionSPECIFIC Symbol Type:POINT PER LANE AND ROBBEN ROAE WESTERN OF TWO LIVE BLAC	F NEST TREE, 1/4 EAST OF NG FORAGING HABITAT CC NEST MONITORED 21 APR HTINGS IN 2005. Record I Townsi Rany Secti Meridi D, 1.5 MILES NE OF DIXON CK WALNUTS. POSSIBLE N ST LOCATED AT THE 95% H	<ul> <li>WEST END C</li> <li>NSISTS OF /</li> <li>AUG 2002;</li> <li>Dates La</li> <li>Element: Site:</li> <li>ast Updated</li> <li>nip: 07N</li> <li>17</li> <li>28</li> <li>17</li> <li>3n: M</li> <li>EST HIGH IN</li> <li>EIGHT OF 2N</li> </ul>	DF ROW. ALFALFA TO THE ADULTS DISAPP 2005-07-21 2005-07-21 2005-12-07 Cutr: NW MIDDLE TREE IN D TREE FROM TI

Swainson's hawk Stat	us	NDDB Element Ranks	Element Code: ABNKC19070           Other Lists
Federal: None State: Threate		Global: G5 State: S2	CDFG Status:
	ssociations — S IN GRASSLANDS WITH WITH SCATTERE	D TREES, JUNIPER-SAGE FLATS, RIPA	RIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUI	RES ADJACENT SUITABLE FORAGING ARE	AS SUCH AS GRASSLANDS, OR ALFAL	FA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS
Occurrence No	•	EO Index: 51132	Dates Last Seen
Occ Rank: Origin:	Good Natural/Native occurrence		Element: 2005-07-17 Site: 2005-07-17
	Presumed Extant Unknown		Record Last Updated: 2005-12-07
Quad Summary County Summary	: Dixon (3812147/498A), Saxon (3812146/497 :: Solano	7B)	
Lat/Long	38.42783º/-121.75026º		Township: 07N
	Zone-10 N4254025 E609085 12.1 acres	Mapping PrecisionSPECIFIC	Range: 02E Section: 28 Qtr: NE
Elevation		Symbol Type:POLYGO	
Location	: 0.2 MILE SOUTH OF MILLER ROAD, 2 MIL	ES EAST OF HIGHWAY 113, EAST OF D	XON
Location Detai	I:2002 NEST TREE WAS A BLACK WALNUT HEIGHT, ON THE SE SIDE, OF A BLACK V		L WEST OF SIKES ROAD. 2004 NEST LOCATED AT THE 75%
Ecological	NEST TREE WAS A BLACK WALNUT; SUF SUNFLOWERS TO THE EAST.	ROUNDING FORAGING HABITAT CONS	ISTS OF WHEAT TO THE NORTH AND SOUTH, AND
General			ERVED, BUT NO CHICKS. NEST MONITORED 21 APR-17 JUL
Owner/Manager	2 FLEDGED. NEST MONITORED 9 APR-10 : PVT	AUG 2004; 1 FLEDGED. NEST MONITO	RED 1 MAR-17 JUL 2005; 1 FLEDGED.
Occurrence No	. 1170 Map Index: 51137	EO Index: 51137	Dates Last Seen
Occ Rank:			Element: 2002-07-17
Presence	: Natural/Native occurrence : Presumed Extant Unknown		Site: 2005-07-21 Record Last Updated: 2006-04-20
Quad Summary County Summary	: Dixon (3812147/498A)		
	: 38.47906º / -121.76298º		Township: 07N
	Zone-10 N4259695 E607898		Range: 02E
Elevation	80 meters : 50 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	C Section: 04 Qtr: SW Meridian: M
Location	: 0.25 MILE EAST OF RUNGE ROAD, 0.8 MI	LE NORTH OF VAUGHN ROAD, NE OF D	IXON
Location Detai	I:NEST LOCATED AT THE 90% HEIGHT OF	THE TALLEST DECIDUOUS TREE FART	HER EAST THAN THE TALL PINE.
Ecological	NEST TREE IS A LOCUST(?); SURROUND NORTH, AND WEST.	ING FORAGING HABITAT CONSISTS OF	WHEAT TO THE NW AND TOMATOES TO THE SOUTH, EAS
		2 FLEDGED. NEST MONITORED 15 APR	17 JUL 2002; 1 FLEDGED. ONLY 1 ADULT SIGHTING IN 2004
General	IN 2005 (UNOCCUPIED).		
General: Owner/Manager	· · · ·		
Owner/Manager Occurrence No	: PVT . 1171 Map Index: 51139	<b>EO Index:</b> 51139	Dates Last Seen
Owner/Manager Occurrence No Occ Rank:	: PVT . 1171 Map Index: 51139	EO Index: 51139	Dates Last Seen
Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: PVT . 1171 Map Index: 51139 Good	<b>EO Index:</b> 51139	Element: 2005-08-22
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: PVT . 1171 Map Index: 51139 Good Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A)	<b>EO Index</b> : 51139	Element:         2005-08-22           Site:         2005-08-22
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: PVT . 1171 Map Index: 51139 Good Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A)	<b>EO Index</b> : 51139	Element:         2005-08-22           Site:         2005-08-22
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: PVT . 1171 Map Index: 51139 Good Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.46296° / -121.78867° Zone-10 N4257879 E605680		Element: 2005-08-22 Site: 2005-08-22 Record Last Updated: 2006-04-20 Township: 07N Range: 02E
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	: PVT . 1171 Map Index: 51139 . Good . Natural/Native occurrence . Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.46296° / -121.78867° Zone-10 N4257879 E605680 19.2 acres	EO Index: 51139 Mapping PrecisionSPECIFIC Symbol Type:POLYGO	Element:         2005-08-22           Site:         2005-08-22           Record Last Updated:         2006-04-20           Township:         07N           Range:         02E           Section:         07           Qtr: SE
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	: PVT . 1171 Map Index: 51139 . Good . Natural/Native occurrence . Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.46296° / -121.78867° Zone-10 N4257879 E605680 19.2 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGO	Element:         2005-08-22           Site:         2005-08-22           Record Last Updated:         2006-04-20           Township:         07N           Range:         02E           Section:         07         Qtr: 3E           N         Meridian:         M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	: PVT . 1171 Map Index: 51139 . Good . Natural/Native occurrence Presumed Extant Unknown : Dixon (3812147/498A) : Solano : 38.46296° / -121.78867° Zone-10 N4257879 E605680 19.2 acres : 50 ft : WEST SIDE OF ROBBEN ROAD, 0.3 MILE	Mapping PrecisionSPECIFIC Symbol Type:POLYGO SOUTH OF VAUGHN ROAD, 2 MILES NE HEIGHT, IN THE CENTER, OF THE WES	Element:         2005-08-22           Site:         2005-08-22           Record Last Updated:         2006-04-20           Township:         07N           Range:         02E           Section:         07         Qtr: 3E           N         Meridian:         M

<b>e</b>					Element Code: AB	ther Lists		
Federal: None	us ———		Global:	ment Ranks	0	CDFG Stat		
State: Threate	ned		State:			021 0 0141		
Habitat As	ssociations ——							
General: BREED	S IN GRASSLAND	S WITH WITH S	CATTERED TREES,	JUNIPER-SAGE FLATS, RIF	PARIAN AREAS, SAVA	ANNAHS, & A	GRICULTI	JRAL OR RANCH
Micro: REQUI	RES ADJACENT S	UITABLE FORA	GING AREAS SUCH A	AS GRASSLANDS, OR ALFA	LFA OR GRAIN FIELD	DS SUPPORT	TING RODI	ENT POPULATION
Owner/Manager	: PVT							
Occurrence No	. 1172	Map Index:	51142	EO Index: 51142			Dates Las	st Seen
Occ Rank:								2001-07-20
-	Natural/Native oc Presumed Extant						Site:	2005-08-12
	Unknown					Record Last	Updated:	2006-04-20
Quad Summary	: Dixon (3812147/4	198A)						
County Summary	: Solano							
-	38.45259º/-121.					Township:		
	Zone-10 N42567	62 E608270			10	Range:		01
Elevation	80 meters			Mapping PrecisionSPECIF Symbol Type:POINT	IC	Section: Meridian:		Qtr: NW
Ecological	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED	DF RUNGE ROAD, 3 MILES GROWING IN CONTACT ON IG HABITAT CONSISTS OF , NEST SITE MONITORED	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002;	ORTH AND W	HEAT TO	THE SOUTH. TORED 10 APR-17
Ecological General:	I:NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED	GROWING IN CONTACT ON IG HABITAT CONSISTS OF	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002;	ORTH AND W	HEAT TO	THE SOUTH. TORED 10 APR-17
Ecological General Owner/Manager	I: NEST TREE CO 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII : UNKNOWN	NSISTS OF ONE THE WESTER! WILLOW; SUR ED 29 APR-20 J LDING, BUT GO	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002;	DRTH AND W INACTIVE. N I SEEN, BUT	HEAT TO EST MONI NO NEST	THE SOUTH. TORED 10 APR-17
Ecological General Owner/Manager Occurrence No	I: NEST TREE CO 90% HEIGHT OF I: NEST TREE IS A I: NEST MONITOR 2004; NEST-BUII I: UNKNOWN	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002;	ORTH AND W INACTIVE. N SEEN, BUT	HEAT TO EST MONI NO NEST	THE SOUTH. TORED 10 APR-17
Ecological General Owner/Manager Occurrence No Occ Rank:	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUIL : UNKNOWN . 1173	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 LDING, BUT GO	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002;	ORTH AND W INACTIVE. N SEEN, BUT	HEAT TO EST MONI NO NEST Dates Las Element:	THE SOUTH. TORED 10 APR-17
Ecological General Owner/Manager Occurrence No Occ Rank: Origin:	I: NEST TREE CO 90% HEIGHT OF I: NEST TREE IS A I: NEST MONITOR 2004; NEST-BUII I: UNKNOWN	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J LDING, BUT GO Map Index: 4 currence	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N T SEEN, BUT	HEAT TO EST MONI NO NEST Dates Las Element: Site:	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII : UNKNOWN . 1173 : Good : Natural/Native oc	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J LDING, BUT GO Map Index: 4 currence	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	ORTH AND W INACTIVE. N SEEN, BUT	HEAT TO EST MONI NO NEST Dates Las Element: Site:	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUIL : UNKNOWN . 1173 : Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 LDING, BUT GO Map Index:	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N T SEEN, BUT	HEAT TO EST MONI NO NEST Dates Las Element: Site:	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUIL : UNKNOWN . 1173 : Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4 : Solano	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J DING, BUT GO Map Index: 4 currence	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N T SEEN, BUT	HEAT TO EST MONI NO NEST Dates Las Element: Site:	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Ranks Origin: Presence: Trend: Quad Summary County Summary Lat/Long	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII : UNKNOWN . 1173 : Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4 : Solano : 38.46677° / -121.	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J DING, BUT GO Map Index: 4 currence 498A) 76193°	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N SEEN, BUT Record Last	HEAT TO EST MONI NO NEST Dates Las Element: Site: Updated:	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII : UNKNOWN . 1173 Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4 : Solano : 38.46677° / -121. Zone-10 N42583	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J DING, BUT GO Map Index: 4 currence 498A) 76193°	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED 3 SITE MONITORED 30 MAR EO Index: 51143	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N SEEN, BUT Record Last Township: Range:	HEAT TO EST MONI NO NEST. Dates Lat Element: Site: Updated: 07N 02E	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12 2005-03-17
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUIL : UNKNOWN : 1173 : Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4 : Solano : 38.46677° / -121. Zone-10 N42583 14.8 acres	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J DING, BUT GO Map Index: 4 currence 498A) 76193°	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED ' SITE MONITORED 30 MAR	I THE NORTH SHOUL ALFALFA TO THE NC I5 APR-21 JUN 2002; -12 AUG 2005; ADULT	DRTH AND W INACTIVE. N SEEN, BUT Record Last	HEAT TO EST MONI NO NEST. Dates La: Element: Site: Updated: 07N 02E 09	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	I: NEST TREE CO 90% HEIGHT OF I: NEST TREE IS A I: NEST MONITOR 2004; NEST-BUIL I: UNKNOWN I: 1173 Good I: Natural/Native oc Presumed Extant Unknown I: Dixon (3812147/4 I: Solano I: 38.46677°/ -121. Zone-10 N42583 14.8 acres I: 50 ft	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J LDING, BUT GO Map Index: 4 currence 198A) 76193° 32 E608008	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN UL 2001; 1 FLEDGED NE BY 17 JUN. NEST	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED 3 SITE MONITORED 30 MAR EO Index: 51143 Mapping PrecisionSPECIF Symbol Type:POLYG	I THE NORTH SHOUL ALFALFA TO THE NC I5 APR-21 JUN 2002; -12 AUG 2005; ADULT	RECORD Last	HEAT TO EST MONI NO NEST. Dates La: Element: Site: Updated: 07N 02E 09	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12 2005-03-17
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A I: NEST MONITOR 2004; NEST-BUIL I: UNKNOWN I: 1173 Good I: Natural/Native oc I: Dixon (3812147/4 I: Solano I: 38.46677° / -121. Zone-10 N42583 14.8 acres I: 50 ft I: 0.3 MILE EAST C	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J LDING, BUT GO Map Index: { currence {98A) 76193° 32 E608008	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN UL 2001; 1 FLEDGED NE BY 17 JUN. NEST 51143	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED 3 SITE MONITORED 30 MAR EO Index: 51143 Mapping PrecisionSPECIF Symbol Type:POLYG ROAD AND VAUGHN ROAD.	I THE NORTH SHOUL ALFALFA TO THE NC IS APR-21 JUN 2002; -12 AUG 2005; ADULT IC ON 3 MILES ENE OF DIX	Record Last Covenship: Record Last Township: Range: Section: Meridian: CON	HEAT TO EST MONI NO NEST. Dates Lat Element: Site: Updated: 07N 02E 09 M	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12 2005-03-17 Qtr: SW
Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A : NEST MONITOR 2004; NEST-BUII : UNKNOWN : UNKNOWN : 1173 : Good : Natural/Native oc : Presumed Extant Unknown : Dixon (3812147/4 : Solano : 38.46677° / -121. Zone-10 N42583 14.8 acres : 50 ft : 0.3 MILE EAST C I: 2001 NEST LOC/	MSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 LDING, BUT GO Map Index: 4 currence 198A) 76193° 32 E608008 DF THE INTERS	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST 51143 ECTION OF RUNGE R THE NE SIDE SIDE OF	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED 3 SITE MONITORED 30 MAR EO Index: 51143 Mapping PrecisionSPECIF Symbol Type:POLYG	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT -12 AUG 2005; ADULT -12 AUG 2005; ADULT 	Record Last Township: Range: Section: Meridian: CON D OF THE R	HEAT TO EST MONINO NEST. Dates Lat Element: Site: Updated: 07N 02E 09 M OW. 2002	THE SOUTH. TORED 10 APR-17 st Seen 2004-08-12 2004-08-12 2005-03-17 Qtr: SW NEST WAS ON TH
Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	I: NEST TREE CON 90% HEIGHT OF I: NEST TREE IS A I: NEST MONITOR 2004; NEST-BUII I: UNKNOWN I: UNKNOWN I: UNKNOWN I: Dixon (3812147/4 I: Solano I: 38.46677° / -121. Zone-10 N42583 14.8 acres I: 0.3 MILE EAST CO I: 2001 NEST LOC/ EAST SIDE OF T WEST. I: NEST TREE IS A	NSISTS OF ONE THE WESTERI WILLOW; SUR ED 29 APR-20 J LDING, BUT GO Map Index: 4 currence 198A) 76193° 32 E608008 0F THE INTERS ATED HIGH IN THE EASTMOST	E OF TWO WILLOWS ( N WILLOW. ROUNDING FORAGIN IUL 2001; 1 FLEDGED NE BY 17 JUN. NEST 51143 ECTION OF RUNGE R THE NE SIDE SIDE OF TREE IN THIS SAME JT; SURROUNDING F	GROWING IN CONTACT ON IG HABITAT CONSISTS OF . NEST SITE MONITORED 30 MAR SITE MONITORED 30 MAR EO Index: 51143 EO Index: 51143 Mapping PrecisionSPECIF Symbol Type:POLYG ROAD AND VAUGHN ROAD, THE 6TH BLACK WALNUT	I THE NORTH SHOUL ALFALFA TO THE NC 15 APR-21 JUN 2002; -12 AUG 2005; ADULT 	Record Last Township: Range: Section: Meridian: CON D OF THE 2ND	HEAT TO EST MONI NO NEST. Dates Lat Element: Site: Updated: 07N 02E 09 M OW. 2002 BLACK W	THE SOUTH. TORED 10 APR-11 at Seen 2004-08-12 2004-08-12 2005-03-17 Qtr: SW NEST WAS ON THE ALNUT FROM THE

Swainson's hawk			ment Ranks	Element Code: ABNKC1907 Other List:		
Federal: None State: Threate		Global	: G5	CDFG S		
Habitat As	ssociations —					
				ARIAN AREAS, SAVANNAHS, LFA OR GRAIN FIELDS SUPPO		
Occurrence No	. 1253 Map Index	: 52077	EO Index: 52077	-	— Dates La	st Seen
Occ Rank:						2005-08-03
-	Natural/Native occurrence Presumed Extant				Site:	2005-08-03
	Unknown			Record L	ast Updated	2005-09-15
	: Allendale (3812148/498B)			-		
County Summary						
	38.37909° / -121.90606° Zone-10 N4248444 E595549				ip: 06N	
	80 meters		Mapping PrecisionSPECIF	-	e: 01E on: 07	Qtr: SW
Elevation			Symbol Type:POINT	Meridia		
Location	: WEST SIDE OF BYRNES RO	AD, 1.1 MILES SOUTH C	OF KILKENNY ROAD, 4.5 MIL	ES ENE OF VACAVILLE		
Location Detai	I:NEST IS LOCATED AT THE 8 THE WEST SHOULDER.	5% HEIGHT OF THE NE	ST TREE, VISIBLE FROM TH	IE SOUTH. NEST TREE IS THE	THIRD FRO	M THE NORTH, ALO
Ecological	: NEST TREE IS A TALL EUCA	LYPTUS; SURROUNDE	D BY CULTIVATED LAND TO	THE EAST, PASTURE TO TH	E NW, AND R	UDERAL TO THE SW
General	RTHA NEST IN 2001. NEST M MONITORED 12 MAR-3 AUG		JUL 2002; 1 FLEDGED. NES	T MONITORED 18 APR-12 AUC	6 2004; 1 FLE	DGED. NEST
Owner/Manager		2000, 11 222 0221				
Occurrence No	. 1254 Map Index	: 52078	EO Index: 52078	-	— Dates La	st Seen
Occ Rank:	•				Element:	2005-05-15
•	Natural/Native occurrence				Site:	2005-09-07
	Presumed Extant Unknown			Record L	ast Updated	2007-06-20
	: Allendale (3812148/498B)					
County Summary				<b>_</b>		
-	: 38.48949º / -121.88284º Zone-10 N4260719 E597429				ip: 07N je: 01E	
	80 meters		Mapping PrecisionSPECIF Symbol Type:POINT	-	on: 05	Qtr: XX
Location	: ON THE SOUTH SHOULDER	OF THE SIEVERS ROA	D ENTRANCE TO DIXON SC	HOOL FARM, 4 MILES NW OF	DIXON.	
Location Detai	I:NEST TREE IS THE FIRST BI	ACK WALNUT, JUST E	AST OF THE ENTRANCE, OF	THE SOUTH SHOULDER.		
Ecological	NEST TREE IS A BLACK WA	NUT; SURROUNDED B	Y CULTIVATED LAND TO TH	E NORTH AND PASTURE TO	THE SOUTH.	
5	NESTING AT THIS SITE NOT	OBSERVED PRIOR TO	2002. NEST MONITORED 28	APR-29 JUL 2002; 1 FLEDGE	D. NEST MON	NITORED 22 MAR-16
Owner/Manager						0.122.120.22.
Occurrence No	. 1274 Map Index	: 53111	EO Index: 53111		— Dates La	st Seen ———
Occ Rank:						2005-09-11
•	Natural/Native occurrence Presumed Extant				Site:	2005-09-11
Presence:	Unknown			Record L	ast Updated	2006-04-20
Trend:						
	: Dixon (3812147/498A)					
	, , , , , , , , , , , , , , , , , , ,					
Quad Summary County Summary Lat/Long:	: Solano : 38.49459º / -121.82228º				ip: 08N	
Quad Summary County Summary Lat/Long: UTM:	: Solano : 38.49459º / -121.82228º Zone-10 N4261351 E602703		Menning Breatly 00000	Rang	e: 01E	04
Quad Summary County Summary Lat/Long: UTM:	: Solano : 38.49459° / -121.82228° Zone-10 N4261351 E602703 80 meters		Mapping PrecisionSPECIF Symbol Type:POINT	Rang	e: 01E on: 35	Qtr: 3E
Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: Solano : 38.49459° / -121.82228° Zone-10 N4261351 E602703 80 meters	AD, 0.4 MILE NORTH OI	Symbol Type:POINT	Rang IC Sectio Meridia	e: 01E on: 35	Qtr: SE
Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano : 38.49459° / -121.82228° Zone-10 N4261351 E602703 80 meters : 65 ft : WEST SIDE OF CURREY RO I:2001-2002 NEST TREE LOCA	TED ON THE WEST SIE	Symbol Type:POINT SIEVERS ROAD, 2.5 MILES DE OF ROAD; NEST LOCATE	Rang IC Sectio Meridia	le: 01E on: 35 on: M IE NEST TRE	E, OVER THE WEST
Quad Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detai	: Solano : 38.49459° / -121.82228° Zone-10 N4261351 E602703 80 meters : 65 ft : WEST SIDE OF CURREY RO I: 2001-2002 NEST TREE LOCA EDGE OF THE ROAD. 2004 N : NEST TREE IS A THE FIRST	TED ON THE WEST SIL IEST TREE WAS THE N TALL EUCALYPTUS IN 1	Symbol Type:POINT SIEVERS ROAD, 2.5 MILES DE OF ROAD; NEST LOCATE EXT TREE TO THE SOUTH. A LINE OF ROADSIDE EUCA	IC Rang Section Meridia NORTH OF DIXON D AT THE 90% HEIGHT OF TH	e: 01E on: 35 in: M IE NEST TRE SHOULDER T THE NE ANI	E, OVER THE WEST REE. ) CULTIVATED LAND

Swainson's hawk	us ———			NDDB Element Ranks -	Elemen	nt Code: ABNKC19070 Other Lists		
Federal: None				Global: G5		CDFG Sta	tus:	
State: Threater	ned			State: S2				
Habitat As	sociations ——							
General: BREED	S IN GRASSLANDS	S WITH WITH	SCATTERE	D TREES, JUNIPER-SAGE	FLATS, RIPARIAN AF	REAS, SAVANNAHS, & A	GRICULT	URAL OR RANCH
Micro: REQUIF	RES ADJACENT SL	JITABLE FOR	AGING ARE	AS SUCH AS GRASSLAND	S, OR ALFALFA OR G	RAIN FIELDS SUPPOR	TING ROD	ENT POPULATIONS
Occurrence No.	1275	Map Index:	53276	EO Index:	53276		Dates La	ist Seen
Occ Rank:		map maex.	55270	LO IIIdex.	33210			2002-07-17
	Natural/Native occ	currence					Site:	2005-06-05
	Presumed Extant					Desard Las	. I Indatad	: 2006-04-20
Trend:	Unknown					Record Las	t Opdated:	2006-04-20
	: Dixon (3812147/4	98A)						
County Summary	: Solano							
	38.41752º / -121.7					Township:		
	Zone-10 N425285 80 meters	51 E606828		Manning Brook		Range: Section:		Otr: SE
Elevation:				Mapping Precis Symbol Ty		Meridian:		QU. SE
				EAST OF ROBBEN ROAD,				
Location Detail	SHED IS NOW PF		HEIGHT OF	THE NEST TREE. IN 2004.	A SMALL TRAILER PI	ARKED DIRECTLY UND	ER NEST	IREE, AND A LARGE
E e de sie el								
-				OUNDED BY PASTURE TO				
General:	NEST MONITORE MONITORED 23 A			FLEDGED. NEST SITE MC	NITORED 8 MAR-17	JUL 2004; NO RAPTOR	S OBSERV	ED. NEST SITE
Owner/Manager								
Occurrence No.	. 1276	Map Index:	53277	EO Index:	53277		Dates La	st Seen
Occ Rank:	Fair						Element:	2002-05-12
Origin:	Natural/Native occ	currence					Site:	2005-07-18
	Presumed Extant					Becord Loo	lindatad	2006-04-20
Trend:	Unknown					Record Las	i opualeu.	2000-04-20
Quad Summary:	Dixon (3812147/49	98A)						
County Summary	: Solano							
-	38.45763º / -121.8					Township:		
	Zone-10 N425727 80 meters	71 E604441		Mapping Precis		Range: Section:		Qtr: NW
Elevation:				Symbol Ty		Meridian:		QII. 100
Location	• EAST SIDE OF P	EDRICK ROA		SOUTH OF VAUGHN ROAD		)N		
				EIGHT OF THE NEST TREE				
Location Detail	GUM.	LOOATED AT						TALL, OLLINDER DE
Ecological	: NEST TREE IS A	EUCALYPTU	S; SURROUI	NDED BY A LARGE, COMPI	_EX FARMSTEAD AN	ID A SOD FARM TO THE	EAST AN	ID CULTIVATED LAN
	THE WEST, ACRO			- ,				
General:				DULT SITTING TIGHT ON I				FTER 13 MAY 2002.
_			ADULISIAN	IDING ON NEST, 11 APR, E	UT NU LATER SIGH	INGS. UNOCCUPIED I	N 2005.	
Owner/Manager	: PVT-DUTRA RAN	ICH						
Occurrence No.	. 1277	Map Index:	53279	EO Index:	53279		Dates La	ist Seen
Occ Rank:			-					2005-07-16
-	Natural/Native occ						Site:	2005-07-16
	Presumed Extant					Pacard L as	t I Indatod	: 2007-07-03
Trend:	Unknown					Record Las		2001-01-03
Quad Summary:	: Dozier (3812137/4	498D)						
County Summary	: Solano							
Lat/Long:	: 38.37303º / -121.8	80524°				Township:	06N	
	Zone-10 N424788	31 E604364				Range:	01E	
	80 meters			Mapping Precis		Section:		Qtr: NE
Elevation:	35 ft			Symbol Ty	pe:POINT	Meridian:	М	
	: WEST SIDE OF P	PEDRICK ROA	D, 1.2 MILES	S SOUTH OF CASEY ROAD	, 5 MILES SOUTH OF	DIXON.		
Location					CATED 1.5 MILES NO	ORTH OF THE BINGHA	MPTON SM	ALL FARMSTEAD #
	I:NEST LOCATED	AT THE 2/3 H						
Location Detail	I:NEST LOCATED : NEST TREE IS A							

Swainson's hawk	us ———	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater	ned	Global: G5 State: S2	CDFG Statu	IS:
General: BREED		TERED TREES, JUNIPER-SAGE FLATS G AREAS SUCH AS GRASSLANDS, OR /		
Occurrence No. Occ Rank:	Good	3 <b>EO Index:</b> 5333	-	Dates Last Seen
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last	Updated: 2007-07-16
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano, Yolo			
UTM:	: 38.49173° / -121.69586° Zone-10 N4261181 E613733 80 meters : 35 ft	Mapping PrecisionSP Symbol Type:PO		02E 36 <b>Qtr:</b> SE
Location	: WEST SIDE OF MACE BOULEVARD,	0.25 MILE NORTH OF THE JOG IN MAC	CE BOULEVARD, 4 MILES SSE OF DAV	IS.
Location Detail		RST BLACK WALNUT ON THE WEST SH 2005 NEST TREE WAS THE FIRST BLA		
C C		URROUNDED BY ALFALFA TO THE WE		
General: Owner/Manager	DISAPPEARED BETWEEN 11 JUN-13	IKELY MISSED IN 2001. NEST MONITO 3 JUL 2004. NEST MONITORED 30 MAR		
Occurrence No.		7 <b>EO Index:</b> 5356		Dates Last Seen
Presence:	Natural/Native occurrence Presumed Extant Unknown			Site: 2005-08-22 Site: 2005-08-22
	: Saxon (3812146/497B)			
	38.47732º / -121.67573º		Township:	07N
	Zone-10 N4259608 E615511 80 meters : 25 ft	Mapping PrecisionSP Symbol Type:PO	ECIFIC Section:	03E 06 <b>Qtr:</b> SE
Location	: WEST SIDE OF ROAD 105, 0.7 MILE	SOUTH OF ROAD 36, 5.4 MILES SE OF	DAVIS.	
Location Detail	I:NEST TREE WAS THE BLACK WALN	IUT AT THE SE CORNER OF THE FARM	ISTEAD AT 31680 ROAD 105.	
Ecological	NEST TREE IS A BLACK WALNUT; SI	URROUNDED BY ALFALFA TO THE SO	UTH, NE, AND WEST, AND SAFFLOWE	R TO THE SE.
	MONITORED 18 MAR-13 JUL 2004; 1	01. NEST MONITORED 4 APR-15 AUG 2 FLEDGED. NEST MONITORED 28 FEB		
Owner/Manager	: PVI			
Occurrence No.	•	6 EO Index: 5357	•	Dates Last Seen
Occ Rank: Origin:	None Natural/Native occurrence		E	Element: 2002-08-03 Site: 2005-03-XX
Presence:	Extirpated Decreasing		Record Last	Updated: 2007-07-03
Quad Summary: County Summary	: Dozier (3812137/498D) : Solano			
	: 38.31004º / -121.87459º Zone-10 N4240815 E598391 80 meters	Mapping PrecisionSP		01E 04 <b>Qtr:</b> NW
UTM:		Symbol Type:PO		
UTM: Radius: Elevation:	50 ft	Symbol Type:PO		SE.
UTM: Radius: Elevation: Location	: 0.2 MILE WEST OF DALLY ROAD ANI	D 0.35 MILE SOUTH OF HAY ROAD, 3.8 REE IN AN EAST-WEST ROW OF EUCA	MILES NE OF TRAVIS AIR FORCE BAS	SE.
UTM: Radius: Elevation: Location Location Detail Ecological	: 0.2 MILE WEST OF DALLY ROAD AND I: NEST TREE WAS THE EASTMOST TH I: NEST TREE WAS A BLUE GUM EUC/	D 0.35 MILE SOUTH OF HAY ROAD, 3.8 REE IN AN EAST-WEST ROW OF EUCA	S MILES NE OF TRAVIS AIR FORCE BAS	

Swainson's hawk State	IS	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists
Federal: None State: Threater		Global: G5 State: S2	CDFG Status:
	S IN GRASSLANDS WITH WITH SCATTE	-,,	RIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH FA OR GRAIN FIELDS SUPPORTING RODENT POPULATION
Occurrence No.	1301 Map Index: 53577	EO Index: 53577	Dates Last Seen
Occ Rank: Origin:	Excellent Natural/Native occurrence	LO IIdex. 55577	Element: 2005-05-04 Site: 2005-08-16
	Presumed Extant Unknown		Record Last Updated: 2007-07-03
Quad Summary: County Summary	Dozier (3812137/498D) : Solano		
-	38.33694º / -121.86178º		Township: 06N
	Zone-10 N4243813 E599474 80 meters	Mapping PrecisionSPECIFIC	Range: 01E Section: 28 Qtr: SE
Elevation:	45 ft	Symbol Type:POINT	Meridian: M
Location	SOUTH SHOULDER OF FRY ROAD, 0.1	MILE WEST OF CLARK ROAD, 5.5 MILES	NE OF TRAVIS AIR FORCE BASE.
Location Detail	2002 NEST TREE WAS THE FIRST SOL	JTH-SHOULDER TREE WEST OF CLARK R	OAD.
Ecological	NEST TREE IS AN ISOLATED BLUE GU	IM EUCALYPTUS; SURROUNDED BY ALFA	LFA TO THE NORTH AND SOUTH.
	SEEN 13 MAY 2004. NEST MONITOREI	2; 1 FLEDGED. NEST SITE MONITORED 23 D 4 MAY-16 AUG 2005; INCUBATING ON 4 M	APR-18 JUN 2004; 2 ADULTS PRESENT 23 APR, POSSIBLE MAY 2005, BUT LATER ABANDONED.
Owner/Manager	SOL COUNTY		
Occurrence No.	1302 Map Index: 53578	EO Index: 53578	Dates Last Seen
Occ Rank:	Fair		<b>Element:</b> 2002-07-24
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 2005-06-29
	Unknown		Record Last Updated: 2007-06-26
Quad Summary: County Summary	Elmira (3812138/498C) : Solano		
Lat/Long:	38.31251º / -121.90000º		Township: 05N
	Zone-10 N4241062 E596167		Range: 01E
Radius: Elevation:	80 meters 60 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	C Section: 06 Qtr: NE Meridian: M
		.2 MILE WEST OF LEWIS ROAD, 2.8 MILES	
Location Detail	:NEST LOCATED AT THE 95% HEIGHT, ROW; NEST OBSERVED FROM THE SO		N OF THE TALLEST EUCALYPTUS, NEAR THE WEST END O
Ecological	NEST TREE WAS AN ISOLATED BLUE	GUM EUCALYPTUS; SURROUNDED BY AL	FALFA TO THE NORTH AND SOUTH.
General:	NEST MONITORED 8 JUN-24 JUL 2002 RTHA ADULTS OBSERVED ON 4 MAY		EB-19 JUN 2004; RTHA OBSERVED ON 1 FEB AND 8 MAR 20
Owner/Manager	UNKNOWN		
Occurrence No.	1303 Map Index: 53579	EO Index: 53579	Dates Last Seen
Occ Rank:			Element: 2004-07-24
Presence:	Natural/Native occurrence Presumed Extant Unknown		Site: 2005-08-12 Record Last Updated: 2007-06-26
Quad Summarv	Elmira (3812138/498C)		
County Summary	,		
-	38.32935° / -121.89808°		Township: 06N
UTM:	Zone-10 N4242933 E596312 12.8 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 31 Qtr: NE
A		Symbol Type:POLYGO	
Area: Elevation:			SSE OF ELMIRA.
Elevation: Location	0.1 MILE WEST OF LEWIS ROAD AND 2002 NEST LOCATED AT THE 90% HEI		UCALYPTUS (UTM 596331 4242677). 2004 NEST LOCATED IN
Elevation: Location		GHT, ON THE EAST SIDE OF THE WEST E	
Elevation: Location Location Detail Ecological	2002 NEST LOCATED AT THE 90% HEI TREE (UTM 596480 4242799), AT THE 9 NEST TREE WAS A BLUE GUM EUCAL	GHT, ON THE EAST SIDE OF THE WEST E 55% HEIGHT ON THE NORTH SIDE. YPTUS; SURROUNDED BY ALFALFA TO TI	UCALYPTUS (UTM 596331 4242677). 2004 NEST LOCATED IN

Swainson's hawk		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None	us	Global: G5	CDFG St	atus:	
State: Threater	ned	State: S2			
Habitat As	ssociations ———				
General: BREED	S IN GRASSLANDS WITH WITH SO	CATTERED TREES, JUNIPER-SAGE F	LATS, RIPARIAN AREAS, SAVANNAHS, &	AGRICULT	URAL OR RANCH
Micro: REQUIF	RES ADJACENT SUITABLE FORAC	ING AREAS SUCH AS GRASSLANDS	, OR ALFALFA OR GRAIN FIELDS SUPPOI	RTING ROD	ENT POPULATIONS.
Occurrence No.	. 1304 Map Index: 5	3580 EO Index:	53580	<ul> <li>Dates La</li> </ul>	st Seen
Occ Rank:	•		33300		2005-07-24
Origin:	: Natural/Native occurrence			Site:	2005-07-24
	Presumed Extant		Papard La	at Undatad	2007-06-26
Trend:	: Unknown		Record La	si opualeu.	2007-00-20
-	: Elmira (3812138/498C)				
County Summary				0.001	
-	: 38.34698º / -121.90630º Zone-10 N4244880 E595570		Township Range	: 06N	
	80 meters	Mapping Precision	-		Qtr: SW
Elevation:	: 70 ft	Symbol Typ	e:POINT Meridian	: M	
Location	: VACA STATION ROAD, AT THE F	ENTRANCE TO THE SEWAGE TREATM	IENT PLANT, SE EDGE OF ELMIRA.		
Ecological	I: NEST TREE WAS A BLUE GUM E	UCALYPTUS.			
-			UL 2002; RECENTLY-DEAD CHICK AND T		I NEST BLOWN OUT
			D. NEST MONITORED 17 APR-24 JUL 200		
Owner/Manager	: UNKNOWN				
•	4005		50504	- Data - '	ot Soon
Occurrence No. Occ Rank:	•	3581 EO Index:	53581		st Seen 2005-07-23
	: Natural/Native occurrence				2005-07-23
-	: Presumed Extant				
Trend:	: Unknown		Record La	st Updated:	2007-06-27
Quad Summary:	: Elmira (3812138/498C)				
County Summary	r: Solano				
Lat/Long:	: 38.33688º / -121.88314º		Township	p: 06N	
-	Zone-10 N4243784 E597608			: 01E	
	80 meters	Mapping Precisio			Qtr: SE
Elevation	: 50 ft	Symbol Typ	pe:POINT Meridian	1: M	
Location	SOUTH SIDE OF FRY ROAD, 0.7	5 MILE WEST OF DALLY ROAD, 5 MIL	ES NNE OF TRAVIS AIR FORCE BASE.		
Location Detail	I:2002 NEST LOCATED AT THE 90 OF THE YELLOW HOUSE.	% HEIGHT, ON THE NE SIDE, OF THE	LARGEST BLUE GUM EUCALYPTUS, IN	THE FORK (	OF THE DRIVEWAY N
Ecological	I: NEST TREE IS A BLUE GUM EUC CONSISTS OF PASTURE, CORR		OUNDS THE LARGE FARMSTEAD WITH 1	FREES, EXC	EPT TO THE SE, WH
General			FLEDGED. NEST MONITORED 20 MAR-5	AUG 2004;	1 FLEDGED. NEST
	MONITORED 18 APR-23 JUL 200	ο, 2 FLEDGED.			
Owner/Manager	: UNKNOWN				
0	. 1316 Map Index: 5	6442 EO Index:	56458	<ul> <li>Dates La</li> </ul>	st Seen
Occurrence No.	•			Element:	2005-08-20
Occurrence No. Occ Rank:				Site:	2005-08-20
Occ Rank: Origin:	: Natural/Native occurrence			et Undatod	2005-09-15
Occ Rank: Origin: Presence:			Record La	si opuaieu.	
Occ Rank: Origin: Presence: Trend:	: Natural/Native occurrence : Presumed Extant : Unknown		Record La	si opualeu.	
Occ Rank: Origin: Presence: Trend: Quad Summary:	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)		Record La		
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	: Natural/Native occurrence : Presumed Extant : Unknown : Allendale (3812148/498B) <i>r</i> : Solano				
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)		Township		
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	: Natural/Native occurrence : Presumed Extant : Unknown : Allendale (3812148/498B) r: Solano : 38.46396° / -121.87758° Zone-10 N4257891 E597922 : 80 meters	Mapping Precisi	Township Range onSPECIFIC Section	o: 07N : 01E n: 09	Qtr: SW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: Natural/Native occurrence : Presumed Extant : Unknown : Allendale (3812148/498B) r: Solano : 38.46396° / -121.87758° Zone-10 N4257891 E597922 : 80 meters	Mapping Precisio Symbol Typ	Township Range onSPECIFIC Section	o: 07N : 01E n: 09	Qtr: 3W
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.46396° / -121.87758°</li> <li>Zone-10 N4257891 E597922</li> <li>80 meters</li> <li>80 ft</li> </ul>		Township Range onSPECIFIC Section be:POINT Meridian	o: 07N : 01E n: 09	Qtr: SW
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.46396° / -121.87758°</li> <li>Zone-10 N4257891 E597922</li> <li>80 meters</li> <li>80 ft</li> <li>a8.05 MILE NORTH OF SILVEYVIL</li> <li>ILRESSEGUIE'S ALLENDALE 19. 2</li> </ul>	LE ROAD AND 0.9 MILE WEST OF SCI 004 NEST LOCATED AT THE 90% HEI	Township Range onSPECIFIC Section be:POINT Meridian HROEDER ROAD, NW OF DIXON. GHT OF A SLENDER BLUE GUM IN THE N	D: 07N : 01E 1: 09 1: M	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.46396° / -121.87758°</li> <li>Zone-10 N4257891 E597922</li> <li>80 meters</li> <li>80 ft</li> <li>a0.25 MILE NORTH OF SILVEYVIL</li> <li>IRESSEGUIE'S ALLENDALE 19.2 NEST LOCATED AT THE 80% HE</li> </ul>	Symbol Typ LE ROAD AND 0.9 MILE WEST OF SCI 004 NEST LOCATED AT THE 90% HEI EIGHT OF A SLENDER BLUE GUM IN T	Township Range onSPECIFIC Section be:POINT Meridian HROEDER ROAD, NW OF DIXON. GHT OF A SLENDER BLUE GUM IN THE N HE MIDDLE OF THE NORTH GROVE.	0: 07N : 01E : 09 : M	R OF THE GROVE. 200
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.46396° / -121.87758° Zone-10 N4257891 E597922</li> <li>80 meters</li> <li>80 ft</li> <li>0.25 MILE NORTH OF SILVEYVIL</li> <li>IRESSEGUIE'S ALLENDALE 19. 2 NEST LOCATED AT THE 80% HE</li> <li>INEST TREE IS A BLUE GUM EUC</li> </ul>	Symbol Typ LE ROAD AND 0.9 MILE WEST OF SCI 004 NEST LOCATED AT THE 90% HEI IGHT OF A SLENDER BLUE GUM IN T CALYPTUS, LOCATED WITHIN A RECT	Township Range onSPECIFIC Section be:POINT Meridian HROEDER ROAD, NW OF DIXON. GHT OF A SLENDER BLUE GUM IN THE N	D: 07N : 01E 1: 09 1: M IW CORNEF	R OF THE GROVE. 200 N IRRIGATION CANA

Swainson's hawk		NDDB Element Ranks	Element Code:	ABNKC19070 Other Lists ——	
Federal: None State: Threater		Global: G5 State: S2		CDFG Status:	
Habitat As					
		SCATTERED TREES, JUNIPER-SAGE AGING AREAS SUCH AS GRASSLANDS			
Occurrence No.	. 1317 Map Index:	56443 EO Index:	56459	Dates	s Last Seen
Occ Rank:					nt: 2005-08-12
•	Natural/Native occurrence Presumed Extant			51	te: 2005-08-12
	Unknown			Record Last Upda	ted: 2007-06-18
-	: Allendale (3812148/498B)				
County Summary					
-	38.38430º / -121.89497º			Township: 06N	
	Zone-10 N4249033 E596510 80 meters	Mapping Precis	ionSPECIFIC	Range: 01E Section: 08	Qtr: NW
Elevation		Symbol Ty		Meridian: M	
Location	: EAST SIDE OF LEWIS ROAD, 0	.9 MILE SOUTH OF THE CANYON CRE	EK CANAL JUNCTION WITH	LEWIS ROAD, 5.5 MIL	ES SW OF DIXON.
Location Detail	I:RESSEGUIE'S ALLENDALE 35. THE NORTH FENCE.	2004-2005 NEST LOCATED AT THE 90	% HEIGHT OF A BLACK WA	LNUT LOCATED BETW	/EEN THE DIRT ROAD A
<b>F</b>					
-	NEST TREE IS A BLACK WALN				
General:		AUG 2004; NEST-BUILDING OBSERVE IED FROM NEST ON 15 JUN 2004. NES			N 24 MAY, AND
Owner/Manager	: PVT				
Occurrence No.	. 1318 Map Index:	56445 EO Index:	56461	Dates	s Last Seen
Occ Rank:	•			Eleme	nt: 2004-07-22
•	Natural/Native occurrence			Si	te: 2005-07-08
	Presumed Extant Unknown			Record Last Upda	ted: 2005-09-14
	: Allendale (3812148/498B)			•	
County Summary					
-	38.39151º / -121.89246º			Township: 06N	
	Zone-10 N4249836 E596720 80 meters	Mapping Precis		Range: 01E Section: 05	Qtr: SW
					GUI. 511
Elevation:		Symbol Ty		Meridian: M	
Elevation	: 70 ft		pe:POINT		S SW OF DIXON.
Elevation: Location	: 70 ft : EAST SIDE OF LEWIS ROAD, 0	5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE	pe:POINT EK CANAL JUNCTION WITH	LEWIS ROAD, 5 MILE	
Elevation: Location Location Detail	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52.	5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD).	pe:POINT EK CANAL JUNCTION WITH	LEWIS ROAD, 5 MILE	
Elevation: Location Location Detail Ecological	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSE	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S	LEWIS ROAD, 5 MILE OF A LARGE BLUE GUI TATUS. NEST MONITO	M NEAR THE BACK OF 1
Elevation: Location Location Detail Ecological	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). EUCALYPTUS.	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S	LEWIS ROAD, 5 MILE OF A LARGE BLUE GUI TATUS. NEST MONITO	M NEAR THE BACK OF 1
Elevation: Location Location Detail Ecological	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSE	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S	LEWIS ROAD, 5 MILE OF A LARGE BLUE GUI TATUS. NEST MONITO	M NEAR THE BACK OF 1
Elevation: Location Location Detail Ecological General:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 IRESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL : PVT	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY (	M NEAR THE BACK OF 1 DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank:	To ft     EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL VT . 1319 Map Index: Excellent	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( — Dates Eleme	M NEAR THE BACK OF <sup>-</sup> DRED 3 MAY-22 JUL 200- GHOW. s Last Seen nt: 2005-08-01
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin:	To ft     EAST SIDE OF LEWIS ROAD, 0     RESSEGUIE'S ALLENDALE 52.     HOUSE (NOT VISIBLE FROM R     HOUSE (NOT VISIBLE FROM R     HOUSE (NOT VISIBLE FROM R     HOLSE (NOT VISIBLE F	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( — Dates Eleme	M NEAR THE BACK OF 1 DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	To ft     EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL VT . 1319 Map Index: Excellent	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( — Dates Eleme	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R : NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROU : PVT . 1319 Map Index: : Excellent : Natural/Native occurrence : Presumed Extant	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY O —— Dates Eleme Si	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL : PVT . 1319 Map Index: : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Allendale (3812148/498B)	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY O —— Dates Eleme Si	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL : PVT . 1319 Map Index: : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.47513° / -121.92125°	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	PE:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, ( RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( — Dates Eleme Si Record Last Upda — Township: 07N	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R I: NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL : PVT . 1319 Map Index: : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.47513° / -121.92125° Zone-10 N4259085 E594098	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CCUPIED IN 2002; INADEQUATE OBSEIND BELOW NEST ON 22 JUN 2004. IN 56446 EO Index:	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, G RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( —— Dates Eleme Si Record Last Upda —— Township: 07N Range: 01W	M NEAR THE BACK OF <sup>1</sup> DRED 3 MAY-22 JUL 200- GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	<ul> <li>70 ft</li> <li>EAST SIDE OF LEWIS ROAD, 0</li> <li>IRESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R</li> <li>INEST TREE WAS A BLUE GUM</li> <li>THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROU</li> <li>PVT</li> <li>1319 Map Index:</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Allendale (3812148/498B)</li> <li>Solano</li> <li>38.47513° / -121.92125° Zone-10 N4259085 E594098</li> <li>80 meters</li> </ul>	Symbol Ty 5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, G RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( —— Dates Eleme Si Record Last Upda —— Township: 07N	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: 70 ft : EAST SIDE OF LEWIS ROAD, 0 I:RESSEGUIE'S ALLENDALE 52. HOUSE (NOT VISIBLE FROM R : NEST TREE WAS A BLUE GUM : THIS SITE WAS PROBABLY OC BROKEN EGGS ON THE GROL : PVT . 1319 Map Index: : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.47513° / -121.92125° Zone-10 N4259085 E594098 80 meters : 95 ft	Symbol Ty 55 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN 56446 EO Index: Mapping Precis	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, G RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462 56462	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( — Dates Eleme Si Record Last Upda Township: 07N Range: 01W Section: 12 Meridian: M	M NEAR THE BACK OF <sup>1</sup> DRED 3 MAY-22 JUL 200- GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	70 ft     EAST SIDE OF LEWIS ROAD, 0     IRESSEGUIE'S ALLENDALE 52.     HOUSE (NOT VISIBLE FROM R     INEST TREE WAS A BLUE GUM     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     PVT     1319 Map Index:     Excellent     Natural/Native occurrence     Presumed Extant     Unknown     Allendale (3812148/498B)     Solano     38.47513° / -121.92125°     Zone-10 N4259085 E594098     80 meters     95 ft     SOUTH SHOULDER OF THISSE IRESSEGUIE'S ALLENDALE 54.	Symbol Ty .5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). I EUCALYPTUS. CUPIED IN 2002; INADEQUATE OBSE! IND BELOW NEST ON 22 JUN 2004. IN 56446 EO Index: Mapping Precis Symbol Ty ELL ROAD, 0.1 MILE EAST OF HALLEY 2004 NEST LOCATED AT THE 90% HE	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, O RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462 56462 ionSPECIFIC pe:POINT ROAD, 5 MILES WNW OF DI	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( Date: Eleme Si Record Last Upda Township: 07N Range: 01W Section: 12 Meridian: M XON.	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20 Qtr: XX
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	To ft     EAST SIDE OF LEWIS ROAD, 0     It:RESSEGUIE'S ALLENDALE 52.     HOUSE (NOT VISIBLE FROM R     It: NEST TREE WAS A BLUE GUM     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     SolanO     Sola	Symbol Ty .5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). IEUCALYPTUS. CCUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN 56446 EO Index: Mapping Precis Symbol Ty ELL ROAD, 0.1 MILE EAST OF HALLEY 2004 NEST LOCATED AT THE 90% HE WAS A BLUE GUM.	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, O RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462 56462 ionSPECIFIC pe:POINT ROAD, 5 MILES WNW OF DI	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY ( Date: Eleme Si Record Last Upda Township: 07N Range: 01W Section: 12 Meridian: M XON.	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20 Qtr: XX
Elevation: Location Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	70 ft     EAST SIDE OF LEWIS ROAD, 0     IRESSEGUIE'S ALLENDALE 52.     HOUSE (NOT VISIBLE FROM R     INEST TREE WAS A BLUE GUM     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     THIS SITE WAS PROBABLY OC     BROKEN EGGS ON THE GROL     Solano     Allendale (3812148/498B)     Solano     So	Symbol Ty .5 MILE SOUTH OF THE CANYON CRE 2004 NEST LOCATED AT THE 95% HE OAD). IEUCALYPTUS. CCUPIED IN 2002; INADEQUATE OBSEI IND BELOW NEST ON 22 JUN 2004. IN 56446 EO Index: Mapping Precis Symbol Ty ELL ROAD, 0.1 MILE EAST OF HALLEY 2004 NEST LOCATED AT THE 90% HE WAS A BLUE GUM.	pe:POINT EK CANAL JUNCTION WITH IGHT, ON THE EAST SIDE, G RVATION TO DETERMINE S ACTIVE IN 2005; 2004 NEST 56462 56462 ionSPECIFIC pe:POINT ROAD, 5 MILES WNW OF DI IGHT OF A SOUTH SHOULD	LEWIS ROAD, 5 MILE: DF A LARGE BLUE GUI TATUS. NEST MONITO TREE OCCUPIED BY O Dates Eleme Si Record Last Upda Township: 07N Range: 01W Section: 12 Meridian: M XON. ER BLACK WALNUT (3	M NEAR THE BACK OF T DRED 3 MAY-22 JUL 2004 GHOW. s Last Seen nt: 2005-08-01 te: 2005-08-01 ted: 2007-06-20 Qtr: XX 3RD WALNUT WEST OF

Swainson's hawk			Element Code: ABNKC19070
Federal: None		NDDB Element Ranks Global: G5	CDFG Status:
State: Threate		State: S2	
	ssociations ————————————————————————————————————	D TREES, JUNIPER-SAGE FLATS, RIPAR	IAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUI	RES ADJACENT SUITABLE FORAGING ARI	EAS SUCH AS GRASSLANDS, OR ALFALFA	A OR GRAIN FIELDS SUPPORTING RODENT POPULATION
Occurrence No	. 1320 Map Index: 56447	EO Index: 56463	Dates Last Seen
Occ Rank			Element: 2005-07-20 Site: 2005-07-20
-	Natural/Native occurrence Presumed Extant		GRe. 2003-07-20
Trend	Unknown		Record Last Updated: 2005-09-14
	: Dixon (3812147/498A)		
County Summary	: Solano		
	38.47713° / -121.86948°		Township: 07N
	Zone-10 N4259362 E598611 7.7 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 04 Qtr: SW
Elevation		Symbol Type:POLYGON	Meridian: M
Location	NORTH SIDE OF THISSELL ROAD, 0.5 MI	LE WEST OF SCHROEDER ROAD, 3 MILE	S NW OF DIXON.
Location Detai			IT, ON THE WEST SIDE OF A FARMSTEAD, JUST NORTH O F BLACK WALNUT JUST WEST OF THE HOUSE.
Ecologica	NEST TREE WAS A BLACK WALNUT; ALM		
-			MONITORED 19 MAY-20 JUL 2005; 1 FLEDGED.
		NEST OBSERVED, BUT NO CHICKS. NEST	MONITORED 19 MAY-20 JOL 2005; 1 FLEDGED.
Owner/Manager	: PVI		
Occurrence No	. 1321 Map Index: 56448	EO Index: 56464	Dates Last Seen
Occ Rank	•		Element: 2004-06-09
-	Natural/Native occurrence		Site: 2005-08-02
	Presumed Extant Unknown		Record Last Updated: 2007-06-20
rrenu	Chiclowh		
	: Allendale (3812148/498B)		
County Summary			
-	38.44567° / -121.87982° Zone-10 N4255860 E597751		Township: 07N
	80 meters	Mapping PrecisionSPECIFIC	Range: 01E Section: 20 Qtr: NE
Elevation		Symbol Type:POINT	Meridian: M
Location	SOUTH SIDE OF DIXON AVENUE WEST,	0.1 MILE EAST OF SERPA AVENUE, 3 MIL	ES WEST OF DIXON.
Location Detai	RESSEGUIE'S ALLENDALE 57. NEST IS L	OCATED AT THE 95% HEIGHT OF A TREE	WITHIN A DOUBLE ROW OF DECIDUOUS TREES.
Ecologica	NEST TREE IS AN EXOTIC (CHINESE ELI	I OR BOX ELDER).	
General	NEST MONITORED 25 MAR-29 JUL 2004;	SWHA OBSERVED ON NEST, 14 APR-9 JU	JN 2004, BUT BY 16 JUL 2004, TREES HAD BEEN DEFOLIA
	BY A BEETLE INFESTATION AND THE NE	ST WAS DESERTED. INACTIVE IN 2005.	
Owner/Manager	: PVT		
	. 1322 Map Index: 56449	EO Index: 56465	Dates Last Seen
Occurrence No	Excellent		Element: 2004-07-29 Site: 2005-07-26
Occ Rank			
Occ Rank Origin	Natural/Native occurrence		<b>Site:</b> 2005-07-26
Occ Rank Origin Presence			Record Last Updated: 2007-06-21
Occ Rank Origin Presence Trend:	Natural/Native occurrence Presumed Extant		
Occ Rank Origin Presence Trend:	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)		
Occ Rank Origin Presence Trend: Quad Summary County Summary	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B)		
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano		Record Last Updated: 2007-06-21
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius	Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.45760° / -121.90104° Zone-10 N4257160 E595883 80 meters	Mapping PrecisionSPECIFIC	Record Last Updated: 2007-06-21 Township: 07N Range: 01E Section: 18 Qtr: VE
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Natural/Native occurrence Presumed Extant Unknown : Allendale (3812148/498B) : Solano : 38.45760° / -121.90104° Zone-10 N4257160 E595883 80 meters 90 ft	Symbol Type:POINT	Record Last Updated: 2007-06-21 Township: 07N Range: 01E Section: 18 Qtr: NE Meridian: M
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.45760° / -121.90104° Zone-10 N4257160 E595883 80 meters : 90 ft : SOUTH OF SILVEYVILLE ROAD, 0.75 MIL	Symbol Type:POINT E EAST OF MERIDIAN ROAD, 4 MILES WE	Record Last Updated: 2007-06-21 Township: 07N Range: 01E Section: 18 Qtr: VE Meridian: M ST OF DIXON.
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.45760° / -121.90104° Zone-10 N4257160 E595883 80 meters : 90 ft : SOUTH OF SILVEYVILLE ROAD, 0.75 MIL :RESSEGUIE'S ALLENDALE 59. NEST IS L	Symbol Type:POINT E EAST OF MERIDIAN ROAD, 4 MILES WE OCATED AT THE 90% HEIGHT OF A WILL	Record Last Updated: 2007-06-21 Township: 07N Range: 01E Section: 18 Qtr: NE Meridian: M ST OF DIXON. OW ON A SMALL DITCH BANK.
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	Natural/Native occurrence Presumed Extant Unknown Allendale (3812148/498B) : Solano 38.45760° / -121.90104° Zone-10 N4257160 E595883 80 meters : 90 ft : SOUTH OF SILVEYVILLE ROAD, 0.75 MIL	Symbol Type:POINT E EAST OF MERIDIAN ROAD, 4 MILES WE OCATED AT THE 90% HEIGHT OF A WILL	Record Last Updated: 2007-06-21 Township: 07N Range: 01E Section: 18 Qtr: NE Meridian: M ST OF DIXON. OW ON A SMALL DITCH BANK.

Swainson's hawk		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None		Global: G5	CDFG Sta	tus:	
State: Threate Habitat As		State: S2			
		TTERED TREES. JUNIPER-SAGE FLA	TS, RIPARIAN AREAS, SAVANNAHS, & A	AGRICULTU	RAL OR RANCH
			R ALFALFA OR GRAIN FIELDS SUPPOR		
Occurrence No	. 1323 Map Index: 564	50 <b>EO Index:</b> 564		- Dates Last	
Occ Rank:				Element:	2005-07-20 2005-07-20
-	Natural/Native occurrence Presumed Extant			Sile.	2005-07-20
	Unknown		Record Las	at Updated:	2007-06-21
	: Dixon (3812147/498A), Allendale (38	12148/498B)			
County Summary	: Solano				
	38.47236º / -121.87687º		Township		
	Zone-10 N4258824 E597972	Manning President	Range:		Of mr. 1110/
Elevation	80 meters 85 ft	Mapping PrecisionS Symbol Type:P			Qtr: NW
Location		MILE WEST OF SCHROEDER ROAD, 3			
			OF THE NORTHMOST OF 3 BLUE GUMS	FASTOFT	
	SOUTHERN HOUSE, ~300 METERS		THE NORTHWOST OF 3 BLUE GUMS	LAST OF II	IL OWALLER,
Ecological	NEST TREE IS A BLUE GUM EUCA IRRIGATION DITCH, THEN AN IMM		BY CULTIVATED LAND AND TO THE V	VEST BY A N	IORTH-SOUTH
General		2004; 1 FLEDGED. NEST MONITORE	) 16 APR-20 JUL 2005; 1 FLEDGED.		
Owner/Manager					
-					
Occurrence No	. 1324 Map Index: 564	51 EO Index: 564	•67	<ul> <li>Dates Last</li> </ul>	Seen ——
Occ Rank:				Element:	
•	Natural/Native occurrence			Site:	2005-07-30
	Presumed Extant Unknown		Record Las	t Updated:	2007-07-17
Quad Summary County Summary	: Saxon (3812146/497B) : Solano				
	38.39688º / -121.73187º		Township	: 06N	
UTM:	Zone-10 N4250612 E610736		Range:	02E	
	80 meters	Mapping PrecisionS			Qtr: NE
Elevation	25 ft	Symbol Type:F	OINT Meridian:	M	
		CTION OF TREFOIL ROAD AND ETZEL			
Location Detai	RESSEGUIE'S SAXON 14. 2004 NE LOCATED IN A WALNUT IN THE SE		A LOCUST IN THE SE CORNER OF A G	ROVE OF TI	REES. 2005 NEST \
Ecological	NEST TREE IS A LOCUST; SURRO	UNDED BY CULTIVATED LAND TO THE	WEST, ALFALFA CLOSE, THEN PASTI	JRE	
General			MAR-5 AUG 2004; 1 FLEDGED. NEST M	MONITORED	30 MAR-30 JUL 20
	ADVANCED DEAD CHICK FOUND E	3ELOW NEST AND 1 FLEDGED.			
Owner/Manager	: PVT				
Occurrence No	. 1325 Map Index: 564	52 EO Index: 564	l68	- Dates Last	Seen
Occ Rank:				Element:	
-	Natural/Native occurrence			Site:	2005-08-21
	Presumed Extant Unknown		Record Las	t Updated:	2007-07-16
Quad Summary	: Saxon (3812146/497B) : Solano				
-	38.41371º / -121.73993º Zone-10 N4252471 E610008		Township: Range:		
	80 meters	Mapping PrecisionS	-		Qtr: NW
		Symbol Type:P			
Elevation	: 0.2 MILE SOUTH OF MIDWAY ROA	D, 0.5 MILE EAST OF SIKES ROAD, 5 M	ILES SE OF DIXON.		
Elevation			OF TREES ALONG A PRIVATE DIRT RO	AD. NEST/B	IRDS DIFFICULT TO
Elevation		ST TREE LOCATED WITHIN A CLUMP			
Elevation: Location Location Detai	SEE.		A HARVESTED WHEAT FIELD TO THE	EAST.	
Elevation: Location Location Detai Ecological	SEE. : NEST TREE IS A LOCUST; SUNFLC	DWERS GROWING TO THE WEST AND	A HARVESTED WHEAT FIELD TO THE		

Swainson's hawk Statu	us	- NDDB Element Ranks	Element Code: ABN	<c19070 NerLists</c19070 		
Federal: None State: Threater		Global: G5 State: S2		CDFG State	us:	
	SOCIATIONS					
-	Excellent Natural/Native occurrence	EO Index: 56	470			2005-07-29 2005-07-29
	Presumed Extant Unknown		R	ecord Last	Updated:	2007-07-17
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano					
UTM:	38.44835° / -121.74626° Zone-10 N4256307 E609403 80 meters 40 ft	Mapping Precision Symbol Type:F	PECIFIC	Fownship: Range: Section: Meridian:	02E 15	Qtr: SW
Location	EAST OF SIKES ROAD, 0.25 MILE SOUT	TH OF HACKMAN ROAD, 4 MILES	EAST OF DIXON.			
	RESSEGUIE'S SAXON 29. 2004 NEST LO DRIVEWAY OF A LARGE FARMSTEAD	AT 7890 SIKES ROAD (NEST VIEW				
-	NEST TREE IS A LOCUST; CULTIVATED NEST MONITORED 18 MAR-13 JUL 2004		) 1 MAR-29 JUL 2005: 2 FLEDO	ED.		
Owner/Manager:		,, _ +				
Occurrence No. Occ Rank:	Excellent	EO Index: 56	474			2005-05-09
Presence:	Natural/Native occurrence Presumed Extant Unknown		R	ecord Last		2005-08-10 2007-07-17
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano					
UTM:	38.48784° / -121.72292° Zone-10 N4260717 E611379 80 meters 35 ft	Mapping Precision Symbol Type:F	PECIFIC	Fownship: Range: Section: Meridian:	02E 02	Qtr: NE
Location	EAST SIDE OF BULKLEY ROAD, 0.5 MIL	E SOUTH OF TREMONT ROAD, 6	MILES NE OF DIXON.			
Location Detail	RESSEGUIE'S SAXON 30. 2004 NEST L LARGER TREES ON THE NORTH EDGE		NTHE EAST SIDE, OF A RAGO	BED COTTO	NWOOD	EASTMOST OF TH
U U	NEST TREE IS A COTTONWOOD; SURF NEST MONITORED 7 APR-5 AUG 2004;			TION OBSE	RVED ON	9 MAY, BUT NO
Owner/Manager:	FURTHER SIGHTINGS. : PVT					
Occurrence No.		EO Index: 56	475		Dates Las	
-	Natural/Native occurrence			E	Element: Site:	2004-08-20 2004-08-20
	Presumed Extant Unknown		R	ecord Last	Updated:	2007-07-17
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano					
UTM: Radius:	38.40147° / -121.72100° Zone-10 N4251135 E611679 80 meters	Mapping Precision	PECIFIC	Fownship: Range: Section:	02E 02	Qtr: NE
Elevation:				Meridian:	M	
Location	: JUST SE OF THE INTERSECTION OF BI I:RESSEGUIE'S SAXON 31. 2004 NEST D		WILES SE OF DIXON.			
	: NEST TREE IS A PINE.					

Swainson's hawk		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater		Global: G5 State: S2	CDFG Status:	
	S IN GRASSLANDS WITH WITH SCATTERE		PARIAN AREAS, SAVANNAHS, & AGRICULTI ALFA OR GRAIN FIELDS SUPPORTING ROD	
Occurrence No. Occ Rank: Origin:		EO Index: 56476		st Seen 2005-07-16 2005-07-16
Presence:	Presumed Extant Unknown		Record Last Updated:	2007-07-17
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano			
UTM:	: 38.47411º / -121.70446º Zone-10 N4259216 E613010 80 meters	Mapping PrecisionSPEC	Township: 07N Range: 02E FIC Section: 12	Qtr: SW
Elevation:		Symbol Type:POINT		QU. 577
	: SOUTH SIDE OF MAXWELL ROAD, 0.8 MI I:RESSEGUIE'S SAXON 33. 2004 NEST LOO A DEODAR CEDAR BETWEEN THE HOUS	CATED IN AN ELM AT THE SE CORNE	S ENE OF DIXON. R OF THE HOUSE AT 8292 MAXWELL ROAD	. 2005 NEST LOCATE
-	NEST TREE IS A DEODAR CEDAR	; 3 YOUNG FLEDGED. NEST MONITO	RED 11 APR-16 JUL 2005; 2 FLEDGED.	
Owner/Manager	: PVT			
-	Good Natural/Native occurrence	EO Index: 56477		st Seen 2004-08-12 2004-08-12
	Presumed Extant Unknown		Record Last Updated:	2004-08-24
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano			
UTM:	38.48463° / -121.69861° Zone-10 N4260391 E613504 80 meters 25 ft	Mapping PrecisionSPECI Symbol Type:POINT		Qtr: NE
Location	: SW OF THE INTERSECTION OF ROAD 36	AND THE WEST END OF MACE ROA		
	RESSEGUIE'S SAXON 34. 2004 NEST TRE			
-		FFICULTY GAINING ACCESS IN 2004.	TH TO A FARMSTEAD AND CULTIVATED LAI NEST MONITORED 19 MAY-12 AUG 2004; O E.	
Owner/Manager	: UNKNOWN			
Occurrence No.	. 1331 Map Index: 56474	EO Index: 56490	Dates La Element:	2005-04-12
Occ Rank: Origin:	Natural/Native occurrence		Site:	2005-07-16
Occ Rank: Origin: Presence:				
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B)		Site:	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.49541° / -121.73128° Zone-10 N4261547 E610638 80 meters	Mapping PrecisionSPECI Symbol Type:POINT	Site: Record Last Updated: Township: 08N Range: 02E FIC Section: 35	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.49541° / -121.73128° Zone-10 N4261547 E610638 80 meters	Symbol Type:POINT	Site: Record Last Updated: Township: 08N Range: 02E FIC Section: 35 Meridian: M	2007-07-17
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.49541° / -121.73128° Zone-10 N4261547 E610638 80 meters : 40 ft : NORTH SIDE OF TREMONT ROAD, JUST	Symbol Type:POINT EAST OF EGGERT ROAD, 6 MILES N	Site: Record Last Updated: Township: 08N Range: 02E FIC Section: 35 Meridian: M	2007-07-17 Qtr: \W
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.49541° / -121.73128° Zone-10 N4261547 E610638 80 meters : 40 ft : NORTH SIDE OF TREMONT ROAD, JUST : RESSEGUIE'S SAXON 35. SITE IS LOCAT WAS A EUCALYPTUS.	Symbol Type:POINT EAST OF EGGERT ROAD, 6 MILES N ED AT 8752 EGGERT ROAD, WHERE IS; SURROUNDED BY A NEW ALMON	Site: Record Last Updated: Township: 08N Range: 02E Section: 35 Meridian: M E OF DIXON.	2007-07-17 Qtr: \W N IN 2004. NEST TRI

Swainson's hawk	_				Element	t Code: ABNKC19070		
Statu	IS			Element Ranks		Other Lists		
Federal: None State: Threaten	ed			oal: G5 te: S2		CDFG Sta	tus:	
			514	le. 32				
General: BREEDS					FLATS, RIPARIAN ARI	EAS SAVANNAHS &		
					S, OR ALFALFA OR GF			
Occurrence No.	1332	Map Index: 5	6475	EO Index	56491		Dates La	st Seen
Occ Rank:							Element:	2005-07-04
Origin:	Natural/Native occu	rrence					Site:	2005-08-11
	Presumed Extant					- ··		0007 07 47
Trend:	Unknown					Record Las	t Updated:	2007-07-17
Quad Summary: County Summary:	Saxon (3812146/49 Solano	7B)						
-	38.47425º / -121.71					Township:		
	Zone-10 N4259215 80 meters	2011023		Mapping Preci	sionSPECIEIC	Range: Section:		Qtr: SE
Elevation:					ype:POINT	Meridian:		GUT. DE
				-	AD, 6 MILES ENE OF I			
							AT THE C	
					093 MAXWELL ROAD. N A NORTH-SOUTH RO		ALTHE 90	J% HEIGHT, ON TH
				5. (E.) 100 WITH		<i></i>		
Ecological:	NEST TREE IS A R	ED GUM EUC	ALYPTUS.					
			10 AUG 2004; 1 YC	OUNG FLEDGED. I	NEST MONITORED 22	APR-11 AUG 2005; 1 L	ARGE CHI	CK SEEN ON 4 JUL
	NO FLEDGLING DE	EIECIED.						
Owner/Manager:	PVT							
Occurrence No.	1333	Map Index: 5	6545	EO Index	56561		Dates La	st Seen
Occ Rank:	Fair						Element:	2004-07-24
Origin:	Natural/Native occu	rrence					Site:	2004-07-24
	Presumed Extant					Berndler		2004 00 20
Trend:	Unknown					Record Las	t Opdated:	2004-08-30
Quad Summary:	Birds Landing (3812	2127/481A)						
County Summary:	Solano							
Lat/Long:	38.22204º / -121.84	225°				Township:	04N	
	Zone-10 N4231084	E601341				Range:		
Elevation:	80 meters			Mapping Preci	sionSPECIFIC ype:POINT	Section: Meridian:		Qtr: XX
				-				
Location:	EAST SIDE OF GO	OSEHAVEN R	OAD, 0.15 MILE N	ORTH OF LAMBIE	ROAD, 2 MILES NE OF	FRIO VISTA JUNCTION	۱.	
					E 2/3 HEIGHT, ON THE		PRAWLING	<b>BEUCALYPTUS ON</b>
			,		OF THE DOUBLE TRE	E AT THE FENCE).		
Ecological:	NEST TREE IS A B	LUE GUM EU	CALYPTUS; SURR	OUNDED BY PAS	TURE.			
General:	NEST SITE MONIT	ORED 14 MAY	7-24 JUL 2004; INA	DEQUATELY OBS	ERVED TO DETERMIN	IE NEST SUCCESS.		
Owner/Manager:	UNKNOWN							
Occurrence No.	1368	Map Index: 5	6864	EO Index	56880		Dates La	st Seen
Occ Rank:				20				2005-07-29
	Natural/Native occu	rrence					Site:	2005-07-29
	Presumed Extant					<b>D</b> -1	4     m - ! - · ·	2005 00 00
Trend:	Unknown					Record Las	τ Updated:	2005-08-22
Quad Summary:	Saxon (3812146/49	7B)						
County Summary:	Yolo							
Lat/Long:	38.48727º / -121.67	751º				Township:	07N	
	Zone-10 N4260709	E615340				Range:		
	80 meters			Mapping Preci		Section:		Qtr: XX
Elevation:	25 ft			Symbol T	ype:POINT	Meridian:	Μ	
Location:	JUST SW OF THE	INTERSECTIC	N OF ROAD 105 A	ND ROAD 36, 5 M	ILES SE OF DAVIS.			
					ST SITE IN PREVIOUS GRANT LABOR CAMP F		EST TREE	WAS A HUGE BLU
Ecological:	NEST TREE WAS A			RROUNDED BY A	WASTEWATER DISPO	SAL AREA TO THE SV	/, THEN AI	LFALFA, RUDERAL

Swainson's hawk				Element C	ode: ABNKC19070 Other Lists		
Federal: None	us —		NDDB Element Ranks Global: G5				
State: Threate	ned		State: S2		CDFG Statu	s:	
	ssociations —						
		WITH WITH SCAT	TERED TREES, JUNIPER-SAGE	FLATS. RIPARIAN AREA	S. SAVANNAHS. & AG	GRICULTI	JRAL OR RANCH
			AREAS SUCH AS GRASSLAND				
Occurrence No	1372	Map Index: 57005	5 EO Index:	57021		Dates Las	st Seen
Occurrence No Occ Rank		wap muex. 57000	Lo index.	57021			2004-05-XX
	Natural/Native occu	irrence					2004-05-XX
	Presumed Extant						000 / 00 0 <del>7</del>
Trend	Unknown				Record Last	Updated:	2004-09-27
-	: Fairfield South (381	2221/482A)					
County Summary	: Solano						
-	38.20933º / -122.12				Township:		
	Zone-10 N4229403 80 meters	3 E576592	Mapping Precis		Range: Section:		Qtr: XX
Elevation			Symbol Ty		Meridian:		uu. 🔨
Location	: ALONG CORDELIA	A SLOUGH, 0.8 MIL	E SE OF THE JUNCTION OF I-80	AND I-680, EAST OF CC	DRDELIA.		
			E RIPARIAN AREA ALONG COR			ANNUAL	GRASSLAND.
-			ED AT THE NEST DURING MAY				
General Owner/Manager		JUV LIVILE UBSER	LE AT THE NEST DURING MAY	2004.			
Owner/Manager	• F' V I						
Occurrence No	. 1377	Map Index: 57350	EO Index:	57366		Dates Las	
	Excellent				E		2005-08-06
	Natural/Native occu	irrence				Site:	2005-08-06
	Presumed Extant Unknown				Record Last	Updated:	2006-04-20
							-
-	: Dixon (3812147/49)	8A)					
County Summary	: Solano						
-	38.41634º / -121.79				Township:		
	Zone-10 N4252697 80 meters	r ⊨605162	Monning Dreet		Range: Section:		Qtr: NW
Elevation			Mapping Precis Symbol Ty		Meridian:		Sect. NVV
			MILE EAST OF PEDRICK ROAD				
			WEST SIDE OF THE DRIVEWAY				NES BUT NO
Location Detai			E 90% HEIGHT OF THE NORTHM		2, WITTHIN A KOW OF	ww.lin∟ĭ ŀ	INCO, DUT ALOU
Ecologica	: NEST TREE WAS	A PINE; SURROUN	IDED BY ALFALFA TO THE NOR	TH, CULTIVATED LAND 1	O THE WEST, AND P	ASTURE	TO THE EAST.
0			2004; SWHA CUTTING A TWIG A				
General			PERCHED ADULTS WERE PRES				
Owner/Manager	: PVT						
						_	_
		Map Index: 57354	EO Index:	57370		Dates Las	2004-08-06
Occurrence No						iement:	2004-08-06 2005-05-11
Occ Rank	Good	irrence			-	Site:	
Occ Rank Origin		irrence			L	Site:	2005-05-11
Occ Rank Origin Presence	Good Natural/Native occu	Irrence			Record Last		
Occ Rank Origin Presence Trend:	Good Natural/Native occu Presumed Extant						
Occ Rank Origin Presence Trend:	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/49						
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/49) Solano 38.41943º / -121.78	8A) 3170º			Record Last	Updated: 07N	
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/496 Solano 38.41943° / -121.76 Zone-10 N4253056	8A) 3170º			Record Last Township: Range:	Updated: 07N 02E	2006-04-20
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/498 Solano 38.41943° / -121.78 Zone-10 N4253056 80 meters	8A) 3170º	Mapping Precis Symbol Tv		Record Last Township: Range: Section:	Updated: 07N 02E 29	
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/498 Solano 38.41943° / -121.78 Zone-10 N4253056 80 meters 40 ft	8A) 3170º 5 E606352	Symbol Ty	pe:POINT	Record Last Township: Range: Section: Meridian:	Updated: 07N 02E 29	2006-04-20
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/49) Solano 38.41943° / -121.76 Zone-10 N4253056 80 meters 40 ft 0.2 MILE NORTH C	8A) 3170° 3 E606352 DF MIDWAY ROAD	Symbol Ty AND 0.2 MILE EAST OF ROBBEN	<b>rpe:</b> POINT NROAD, 2.7 MILES SE O	Record Last Township: Range: Section: Meridian: F DIXON	Updated: 07N 02E 29 M	2006-04-20 Qtr: SW
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/49) Solano 38.41943° / -121.76 Zone-10 N4253056 80 meters 40 ft 0.2 MILE NORTH C	8A) 3170° 3 E606352 DF MIDWAY ROAD	Symbol Ty	<b>rpe:</b> POINT NROAD, 2.7 MILES SE O	Record Last Township: Range: Section: Meridian: F DIXON	Updated: 07N 02E 29 M	2006-04-20 Qtr: SW
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Detai	Good Natural/Native occu Presumed Extant Unknown Dixon (3812147/49) Solano 38.41943° / -121.76 Zone-10 N4253056 80 meters 40 ft 0.2 MILE NORTH C 1:2004 NEST IS LOC THE HOUSE.	8A) 3170° 3 E606352 DF MIDWAY ROAD CATED AT THE 2/3	Symbol Ty AND 0.2 MILE EAST OF ROBBEN	PE:POINT NROAD, 2.7 MILES SE O F A BLACK WALNUT, TH	Record Last Township: Range: Section: Meridian: F DIXON E LARGEST TREE Of	Updated: 07N 02E 29 M	2006-04-20 Qtr: SW

Swainson's hawk State	JS	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater	ned	Global: G5 State: S2	CDFG State	us:
	S IN GRASSLANDS WITH WITH SCATT	TERED TREES, JUNIPER-SAGE FLATS, F AREAS SUCH AS GRASSLANDS, OR ALI		
Occurrence No.	1379 Map Index: 57391	EO Index: 57407		Dates Last Seen
Occ Rank:	Good		1	Element: 2005-08-11
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last	Site: 2005-08-11 t Updated: 2006-04-20
Quad Summary: County Summary	Dixon (3812147/498A) : Solano			
	38.49550º / -121.77394º		Township:	
	Zone-10 N4261506 E606917 80 meters	Mapping PrecisionSPEC	Range: IFIC Section:	
Elevation:		Symbol Type:POIN		
Location	SOUTH SIDE OF TREMONT ROAD, 0.	.3 MILE WEST OF RUNGE ROAD, 4 MILES	S NE OF DIXON	
Location Detail	2004 NEST LOCATED ON THE EAST S BETWEEN THE NEW HOUSE AND TH	SIDE OF THE WEST OF TWO PALMS, AT IE OCCUPIED MOBILE HOME.	THE BASE OF THE LIVE LEAVES. 2	2005 NEST WAS A BLACK W
Ecological	NEST TREE WAS A BLACK WALNUT;	NEW HOUSE CONSTRUCTION WAS CO	MPLETE BEFORE 1 MAR 2004, WHE	EN THE SWHA BEGIN ARRIV
General:		EST SITE IN PRIOR YEARS BUT NEVER ( \UG 2004; 1 FLEDGED, PLUS 1 UNHATCH		
Owner/Manager:		······		
Occurrence No.	1380 Map Index: 57393	EO Index: 57409		Dates Last Seen
Occ Rank:			I	Element: 2005-06-04 Site: 2005-00-80
•	Natural/Native occurrence Presumed Extant			Site: 2005-00-80
Trend:	Unknown		Record Last	t Updated: 2006-04-20
Quad Summary:	Dixon (3812147/498A)			
County Summary	Solano			
-	38.48896° / -121.83882°		Township:	
	Zone-10 N4260707 E601268 80 meters	Mapping PrecisionSPEC	Range: SIFIC Section:	
Elevation:	70 ft	Symbol Type:POIN		Μ
Location	SOUTH SIDE OF SIEVERS ROAD, 0.1	MILE EAST OF PITT SCHOOL ROAD, 2.5	MILES NNE OF DIXON	
		ALMOND FROM THE NORTH, IN THE FIR		OULDER CROSSROAD WAR
Ecological	NEST TREE WAS AN ALMOND; SURF	ROUNDED BY CULTIVATED LAND NORTH	I OF ROAD.	
General:		CONFIRMED. NO OBSERVATIONS IN 20		
Owner/Manager:		ST SUCCESS. NEST MONITORED 31 MA	R-1 AUG 2005; INCUBATION ON 4 JU	UN, BUT NONE FLEDGED.
Occurrence No.	. 1381 Map Index: 57395	EO Index: 57411		Dates Last Seen
Occ Rank:	Good		ſ	Element: 2005-08-13
-	Natural/Native occurrence Presumed Extant			Site: 2005-08-13
Fieselice.	Unknown		Record Last	t Updated: 2006-04-20
Trend:	Dixon (3812147/498A)			
Quad Summary:	0.1			
Quad Summary: County Summary			Township:	
Quad Summary: County Summary Lat/Long:	38.41671º / -121.85712º			
Quad Summary: County Summary Lat/Long: UTM: Radius:	38.41671º / -121.85712º Zone-10 N4252670 E599772 80 meters	Mapping PrecisionSPEC	Range: IFIC Section:	34 Qtr: NW
Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	38.41671° / -121.85712° Zone-10 N4252670 E599772 80 meters 60 ft	Symbol Type:POIN	Range: IFIC Section: T Meridian:	34 Qtr: NW
Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location	38.41671° / -121.85712° Zone-10 N4252670 E599772 80 meters 60 ft SOUTH SIDE OF MIDWAY ROAD, 0.15	Symbol Type:POIN 5 MILE EAST OF BATAVIA ROAD, 2.5 MIL	Range: Section: T Meridian: ES SW OF DIXON	34 Qtr: NW
Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	38.41671° / -121.85712° Zone-10 N4252670 E599772 80 meters 60 ft : SOUTH SIDE OF MIDWAY ROAD, 0.15 :2004 NEST LOCATED AT THE 85% HE	Symbol Type:POIN	IFIC Section: T Meridian: ES SW OF DIXON IIDDLE OF THE ROW.	34 Qtr: NW

Swainson's hawk  Stat	us ————	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threate		Global: G5 State: S2	CDFG State	IS:
General: BREED	STANDED STATES STATES STATES ADJACENT SUITABLE FORAGING AR			
	•	<b>EO Index:</b> 5741		Dates Last Seen
	Unknown		Record Last	Updated: 2006-04-20
Quad Summary County Summary	: Dixon (3812147/498A) /: Solano			
UTM:	<ul> <li>38.48938° / -121.87301°</li> <li>Zone-10 N4260717 E598286</li> <li>80 meters</li> <li>85 ft</li> </ul>	Mapping PrecisionSP Symbol Type:PC		01E 04 <b>Qtr:</b> NW
Location Detai Ecologica	: SOUTH SIDE OF SIEVERS ROAD, 1 MILE I:2004 NEST WAS LOCATED AT THE 95% I: NEST TREE WAS A BLACK WALNUT; SU : NEST MONITORED 11 MAR-16 JUL 2004 : UNKNOWN	HEIGHT, ON THE WEST SIDE, OF RROUNDED BY COMPLEX CULTIV	THE WESTERN OF TWO SOUTH SHOU ATION TO THE NORTH AND ALFALFA	TO THE NE.
Presence		<b>EO Index:</b> 5741	E	Dates Last Seen
Quad Summary County Summary	: Dixon (3812147/498A) r: Solano			
UTM:	: 38.49163° / -121.78694° Zone-10 N4261062 E605790 : 80 meters : 85 ft	Mapping PrecisionSP Symbol Type:PC		02E 32 <b>Qtr:</b> NW
Location Detai Ecologica	: EAST SIDE OF ROBBEN ROAD, 0.3 MILE I:2004 NEST LOCATED AT THE 90% HEIG I: NEST TREE IS A LOCUST; RUDERAL LAI : NEST MONITORED 20 MAR-17 JUL 2004 : PVT	HT, ON THE SW LOBE, OF THE NE ND IN THE FARMSTEAD AREA, SU	CORNER TREE. RROUNDED IN ALL DIRECTIONS BY C	
Presence	•	<b>EO Index:</b> 5741	E	Dates Last Seen
Quad Summary County Summary	: Dixon (3812147/498A) r: Solano			
Lat/Long UTM:	<ul> <li>38.46120° / -121.82191°</li> <li>Zone-10 N4257645 E602783</li> <li>80 meters</li> </ul>	Mapping PrecisionSP Symbol Type:PO		01E 12 <b>Qtr:</b> SW
	EAST SIDE OF FIRST STREET (HIGHWA	TO A BOARDED-UP HOUSE, OPPC	SITE THE NORTH END OF ACE HARD	VARE. 2004 NEST LOCATED
	THE 85% HEIGHT, ON THE EAST TRUNK	K, OF THE LARGEST DECIDUOUS 1	REE AT THE BACK OF THE HOUSE.	

Swainson's hawk	us ————	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None State: Threater		Global: G5 State: S2	CDFG St	atus:	
General: BREED	STATES ST				
Occurrence No.	. 1385 Map Index: 57403	EO Index: 5741	9 —	- Dates Las	st Seen
Occ Rank: Origin:	Good Natural/Native occurrence				2005-08-04 2005-08-04
	Presumed Extant Unknown		Record La	st Updated:	2006-04-20
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano				
-	38.47092º / -121.76534º		Townshi		
	Zone-10 N4258789 E607704 80 meters	Mapping PrecisionSF	-	: 02E n: 09	Qtr: NW
Elevation	50 ft	Symbol Type:PC			
	EAST SIDE OF RUNGE ROAD, 0.2 MILE N 2004 NEST TREE LOCATED AT THE 95%			EDGE OF A (	COMPLEX, JUST NO
Ecological	OF THE DRIVEWAY. : NEST TREE WAS A BLACK WALNUT; SUF				
-	NEST MONITORED 15 MAY-12 AUG 2004; UNKNOWN). NEST MONITORED 24 APR-4	FIRST SEEN ON 15 MAY 2004, A		ON 17 JUN 2	2004 (OUTCOME
Owner/Manager	,	4 AUG 2003, 1 FLEDGED.			
Occurrence No.	. 1386 Map Index: 57405	EO Index: 5742	1	<ul> <li>Dates Las</li> </ul>	st Seen
Occ Rank:					2004-07-28
•	Natural/Native occurrence Presumed Extant			Site:	2005-07-11
Trend:	Unknown		Record La	st Updated:	2007-07-03
	: Dozier (3812137/498D)				
County Summary	: Solano : 38.25771º / -121.82715º		Taumahi	05N	
-	Zone-10 N4235060 E602612		Townshi Range	: 01E	
Radius: Elevation:	80 meters 15 ft	Mapping PrecisionSF Symbol Type:PC			Qtr: SE
Location	SOUTH END OF COOK LANE, JEPSON PF				
	2004 NEST TREE WAS ONE OF THE EUC, WEST OF THE BARN.			GHT OF ONE	OF THE FIRST TRE
Ecological	2004 NEST TREE IS A EUCALYPTUS; SUF	RROUNDED BY SHEEP PENS (SH	EEP/HERDERS USUALLY NOT PRES		G NESTING).
General:	NESTING SUSPECTED IN 2000; NOTHING FLEDGED. RTHA NESTED AT THIS SITE I		CESS WAS ALLOWED. NEST MONIT	ORED 23 AP	PR-28 JUL 2004; 1 YC
Owner/Manager	: SOLANO LAND TRUST	N 2003.			
Occurrence No.	•	EO Index: 5750	8	- Dates Las	
Occ Rank: Origin:	Good Natural/Native occurrence				2005-07-22 2005-07-22
Presence:	Presumed Extant Unknown		Record La		2007-07-03
Quad Summary: County Summary	: Dozier (3812137/498D) : Solano				
	38.37341º / -121.86957º		Townshi	<b>o:</b> 06N	
	Zone-10 N4247852 E598744	<b>.</b>	Range	: 01E	
	80 meters 55 ft	Mapping PrecisionSF Symbol Type:PC			Qtr: SW
Elevation:		TH OF WEBER ROAD, 5.5 MILES S	SW OF DIXON.		
Elevation	. 0.3 EAGT OF FOX ROAD, 1.3 MILLO 0001				
Elevation: Location	2004-2005 NEST TREE LOCATED ON THE	NORTH SIDE OF A PRIVATE DIR	T ROAD; 2004 NEST WAS LOCATED	AT THE 90%	6 HEIGHT OF A WILL
Elevation: Location Location Detail				AT THE 90%	6 HEIGHT OF A WILL

State	us	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater		Global: G5 State: S2	CDFG Status:	
Habitat As	ssociations ———			
			RIPARIAN AREAS, SAVANNAHS, & AGRICULT FALFA OR GRAIN FIELDS SUPPORTING ROD	
Occurrence No.	. 1388 Map Index: 57493	EO Index: 57509	Dates La	
Occ Rank:	: Good : Natural/Native occurrence			2004-08-10 2005-08-11
-	Presumed Extant		0.00	2000 00 11
Trend:	Unknown		Record Last Updated:	2007-07-03
-	: Dozier (3812137/498D)			
County Summary				
	38.35494° / -121.80448° Zone-10 N4245874 E604457		Township: 06N Range: 02E	
	80 meters	Mapping PrecisionSPEC	÷	Qtr: NW
Elevation:	: 30 ft	Symbol Type:POIN	T Meridian: M	
Location	EAST SIDE OF PEDRICK ROAD, 0.25	/ILE NORTH OF BINGHAMPTON ROAD	6 MILES SOUTH OF DIXON.	
Location Detail	I:2004 NEST LOCATED AT THE 90% HE PEDRICK ROAD.	IGHT, ON THE NE TOP, OF A RAGGED	BLUE GUM EUCALYPTUS IN THE YARD OF T	HE RESIDENCE AT 6
Ecological	I: 2004 NEST TREE WAS A EUCALYPTU THE ROAD.	S; SURROUNDED BY CULTIVATED LAN	D EAST OF THE TWO LARGE FARMSTEADS	AND PASTURE WES
General:	THIS SITE WAS OCCUPIED BY RTHA AUG 2005; ADULTS OBSERVED ON 13		APR-10 AUG 2004; 1 FLEDGED. NEST SITE M	ONITORED 13 APR-
Owner/Manager	: UNKNOWN			
Occurrence No.	. 1389 Map Index: 57496	EO Index: 57512	Dates La	st Seen
Occ Rank:	Fair		Element:	2005-05-01
-	Natural/Native occurrence		Site:	2005-08-14
	: Presumed Extant : Unknown		Record Last Updated:	2007-07-03
Quad Summary:	: Dozier (3812137/498D)			
County Summary	: Solano			
	38.30056°/-121.82435°		Township: 05N	
	Zone-10 N4239817 E602797 80 meters	Mapping PrecisionSPEC	Range: 01E SIFIC Section: 02	Qtr: SE
Elevation:		Symbol Type:POIN		<b>u</b> i. 3L
			NE OF TRAVIS FIELD.	
Location	: WEST SIDE OF HIGHWAY 113, 0.5 MIL	E SOUTH OF BROWN ROAD, 6 MILES E		
	: WEST SIDE OF HIGHWAY 113, 0.5 MIL I: 2004 NEST LOCATED IN THE SECONE		SPACED, STAGGERED LINE OF BLUE GUMS	S) WEST OF THE RO
Location Detail		CLUMP OF TREES (AN IRREGULARLY	SPACED, STAGGERED LINE OF BLUE GUMS	6) WEST OF THE RO
Location Detail Ecological	I:2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE.		
Location Detail Ecological	I:2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE	SPACED, STAGGERED LINE OF BLUE GUMS	
Location Detail Ecological	I:2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU : ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE		
Location Detail Ecological General:	I:2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE		4 AUG 2005;
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank:	I: 2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element:	4 AUG 2005; st Seen 2005-08-03
Location Detai Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin:	2004 NEST LOCATED IN THE SECOND     2004 NEST TREE WAS A EUCALYPTU     ACTIVE NEST MONITORED 23 APR-10     NEST-BUILDING ON 13 APR, BUT NO     O     TO     1390 Map Index: 57506     Good     Natural/Native occurrence	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element:	4 AUG 2005; st Seen
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I: 2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element:	4 AUG 2005; st Seen 2005-08-03 2005-08-03
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: 2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good I: Natural/Native occurrence I: Presumed Extant	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 —— Dates La Element: Site:	4 AUG 2005; st Seen 2005-08-03 2005-08-03
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: 2004 NEST LOCATED IN THE SECOND I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good I: Natural/Native occurrence I: Presumed Extant Unknown I: Elmira (3812138/498C)	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 —— Dates La Element: Site:	4 AUG 2005; st Seen 2005-08-03 2005-08-03
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	I: 2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 Good I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756°	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: Township: 06N	4 AUG 2005; st Seen 2005-08-03 2005-08-03
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: 2004 NEST LOCATED IN THE SECONE I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 Good I: Natural/Native occurrence I: Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756° Zone-10 N4246594 E596314	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005. EO Index: 57522	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: Township: 06N Range: 01E	4 AUG 2005; st Seen 2005-08-03 2005-08-03 2007-06-27
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: 2004 NEST LOCATED IN THE SECOND I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756° Zone-10 N4246594 E596314 I: 80 meters	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005.	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: Township: 06N Range: 01E SIFIC Section: 18	4 AUG 2005; st Seen 2005-08-03 2005-08-03
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I: 2004 NEST LOCATED IN THE SECOND I: 2004 NEST TREE WAS A EUCALYPTU ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I. 1390 Map Index: 57506 Good I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756° Zone-10 N4246594 E596314 I: 80 meters I: 60 ft	D CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. D AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005. EO Index: 57522 Mapping PrecisionSPEC Symbol Type:POIN	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: Township: 06N Range: 01E SIFIC Section: 18	4 AUG 2005; st Seen 2005-08-03 2005-08-03 2007-06-27 Qtr: SE
Location Detail Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	I: 2004 NEST LOCATED IN THE SECOND I: 2004 NEST TREE WAS A EUCALYPTU ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I. 1390 Map Index: 57506 Good I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756° Zone-10 N4246594 E596314 I: 80 meters I: 60 ft	O CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005. EO Index: 57522 Mapping PrecisionSPEC Symbol Type:POIN OUTH OF THE RAILROAD TRACKS, 0.2	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: DEFIC Section: 18 T Meridian: M MILE NORTH OF HAWKINS ROAD, 4.5 MILES	4 AUG 2005; st Seen 2005-08-03 2005-08-03 2007-06-27 Qtr: SE
Location Detail Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	I: 2004 NEST LOCATED IN THE SECOND I: 2004 NEST TREE WAS A EUCALYPTU I: ACTIVE NEST MONITORED 23 APR-10 NEST-BUILDING ON 13 APR, BUT NO I: PVT I: 1390 Map Index: 57506 I: Good I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano I: 38.36234° / -121.89756° Zone-10 N4246594 E596314 I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 80 meters I: 2004 NEST LOCATED AT THE 90% HE	O CLUMP OF TREES (AN IRREGULARLY S; SURROUNDED BY PASTURE. ) AUG 2004; SWHA DISAPPEARED AFTE SIGHTINGS AFTER 1 MAY 2005. EO Index: 57522 BOINDEX: 57522 Symbol Type:POIN OUTH OF THE RAILROAD TRACKS, 0.2 IGHT, ON THE EAST SIDE OF THE TALL	ER 28 MAY 2004. NEST MONITORED 13 APR-1 — Dates La Element: Site: Record Last Updated: DEFIC Section: 18 T Meridian: M MILE NORTH OF HAWKINS ROAD, 4.5 MILES	4 AUG 2005; st Seen 2005-08-03 2005-08-03 2007-06-27 Qtr: SE EAST OF VACAVILLE

Swainson's hawk			Element Code: ABNK			
Enderally Marca	at	NDDB Element Ranks Global: G5		er Lists		
Federal: None State: Threate	ned	State: S2	L	DFG Statu	us:	
Habitat As	sociations					
	S IN GRASSLANDS WITH WITH SCATTERE	ED TREES, JUNIPER-SAGE FLATS	, RIPARIAN AREAS, SAVANN	IAHS, & A	GRICULTU	JRAL OR RANCH
Micro: REQUIF	RES ADJACENT SUITABLE FORAGING ARE	EAS SUCH AS GRASSLANDS, OR	ALFALFA OR GRAIN FIELDS S	SUPPORT	ING RODE	ENT POPULATIONS.
Occurrence No.	. 1391 Map Index: 57508	EO Index: 5752	4		Dates Las	st Seen ———
Occ Rank:				E		2005-06-08
•	Natural/Native occurrence Presumed Extant				Site:	2005-08-03
	Unknown		Red	cord Last	Updated:	2007-06-27
	: Elmira (3812138/498C)					
County Summary						
-	38.36700° / -121.90656° Zone-10 N4247102 E595521		Тс	ownship: Range:		
	80 meters	Mapping PrecisionSP	ECIFIC	Section:		Qtr: NW
Elevation:	. 70 ft	Symbol Type:PC		leridian:	М	
Location	WEST SIDE OF BYRNES ROAD, 0.5 MILE	NORTH OF HAWKINS ROAD, 4.5 I	VILES EAST OF VACAVILLE.			
Location Detail	1:2004 NEST LOCATED AT THE 75% HEIGH	HT OF A RAGGED BLUE GUM, NO	RTH OF THE BARN.			
Ecological	NEST TREE IS A BLUE GUM EUCALYPTU AN ABANDONED ORCHARD WITH SMALI		IORTH. TO THE EAST THERE	IS MIXED	D RUDERA	L, A RESIDENCE, A
General:	NEST MONITORED 3 MAY-22 JUL 2004; S					
	ADULT DEFENDED NEST TREE ON 8 JUI	N, AND FLEDGLING (UKIGIN UNKI	IOWN) PERGHED IN ORCHAF	ACKU:	35 KUAD	UN 11 JUL 2005.
Owner/Manager	: PVT					
Occurrence No.	. 1419 Map Index: 58624	EO Index: 5866	0		Dates Las	st Seen
Occ Rank:	•					2004-08-15
•	Natural/Native occurrence				Site:	2005-08-22
	Presumed Extant		Re	cord Last	Undated:	2006-04-20
Irend:	Increasing				opuateu.	2000-04-20
Quad Summary:	: Dixon (3812147/498A)					
County Summary	: Solano					
-	38.45891°/-121.85915°		Тс	ownship:		
	Zone-10 N4257351 E599537 80 meters	Mapping PrecisionSP		Range: Section:		Qtr: NW
Elevation:		Symbol Type:PO		Aeridian:		Gu. W
Location	EAST SIDE OF SCHROEDER ROAD, 0.1 M	MILE SOUTH OF THE JUNCTION C	F SCHROEDER ROAD & SILV	/EYVILLE	ROAD, 1.5	MILES NW OF DIXC
	2004 NEST LOCATED AT THE 90% HEIGH					
	NEST TREE WAS AN AILANTHUS, WITHI		OSELY-SPACED AILANTHUS	TREES.		
5	SUSPECTED AS A NEST SITE IN 2002, BI				ED. NEST	SITE MONITORED
	MAR-22 AUG; ADULTS PRESENT ON 5 O					
Owner/Manager	: UNKNOWN					
Occurrence No.	. 1433 Map Index: 62139	EO Index: 6217	5		Dates Las	
Occ Rank:				E		2005-07-18
-	Natural/Native occurrence Presumed Extant				Site:	2005-08-25
	Unknown		Red	cord Last	Updated:	2007-06-27
Quad Summary:	: Elmira (3812138/498C)					
County Summary	, ,					
Lat/Long:	: 38.31279º/-121.94277º		Tc	ownship:	05N	
UTM:	Zone-10 N4241049 E592427			Range:		0
	80 meters : 100 ft	Mapping PrecisionSP Symbol Type:PC		Section: Aeridian:		Qtr: NE
Radius:						
Radius: Elevation:		LKUAD TRACKS 2.5 MILES NORT	T OF TRAVIS FIELD.			
Radius: Elevation: Location	BETWEEN VANDEN ROAD AND THE RAI				THE 70%	HEIGHT OF THE NE
Radius: Elevation: Location	BETWEEN VANDEN ROAD AND THE RAII NEST TREE IS LOCATED ON SE CORNEL TREE.		NDEN ROAD. NEST WAS LOC	ATED AT	1112 1070	
Radius: Elevation: Location Location Detail	I: NEST TREE IS LOCATED ON SE CORNEI TREE. : NEST TREE WAS A 30' TALL EUCALYPTL	R OF THE PROPERTY AT 5424 VA JS ALONG A FENCE ROW OF A PF				F GRASSLAND TO T
Radius: Elevation: Location Location Detail Ecological	NEST TREE IS LOCATED ON SE CORNEI TREE. NEST TREE WAS A 30' TALL EUCALYPTU WEST AND SOUTH AND IRRIGATED AGF	R OF THE PROPERTY AT 5424 VA JS ALONG A FENCE ROW OF A PF RICULTURE TO THE EAST.				F GRASSLAND TO T
Radius: Elevation: Location Location Detail Ecological Threat:	I: NEST TREE IS LOCATED ON SE CORNEI TREE. : NEST TREE WAS A 30' TALL EUCALYPTL	R OF THE PROPERTY AT 5424 VA US ALONG A FENCE ROW OF A PF RICULTURE TO THE EAST. DEVELOPMENT TO THE NORTH.	RIVATE RESIDENCE; SURROU	UNDED B	Y A MIX OI	

Swainson's hawk		NDDR Flowert Darks	Element Code: ABNKC19070	
Federal: None	ls ———	<ul> <li>NDDB Element Ranks</li> <li>Global: G5</li> </ul>	Other Lists CDFG State	
State: Threater	ned	State: S2	CDro Stati	15.
Habitat As				
	S IN GRASSLANDS WITH WITH SCATTE			
MICIO: REQUIP	RES ADJACENT SUITABLE FORAGING A	REAS SUCH AS GRASSLANDS, OR	ALFALFA OK GRAIN FIELDS SUFFORT	ING RODENT FOFULATIONS.
	PVT			
Occurrence No.	1434 Map Index: 62290	EO Index: 623		Dates Last Seen
Occ Rank:	Poor Natural/Native occurrence		E	Element: 2005-08-09 Site: 2005-08-09
•	Presumed Extant			<b>Une</b> . 2003-00-03
Trend:	Unknown		Record Last	Updated: 2005-08-15
Quad Summary:	Dixon (3812147/498A)			
County Summary	, ,			
	38.45244º / -121.75290º		Township:	07N
	Zone-10 N4256753 E608817		Range:	
	80 meters	Mapping PrecisionSI	PECIFIC Section:	16 Qtr: SE
Elevation:	45 ft	Symbol Type:Po	DINT Meridian:	M
Location	SOUTH SHOULDER OF HACKMAN RO	AD, 0.8 MILE EAST OF RUNGE ROA	D, 3.7 MILES EAST OF DIXON	
Location Detail	RESSEGUIE'S DIXON 99. NEST WAS L	OCATED AT THE 90% HEIGHT OF T	HE TALLEST LOCUST, A VERY SMALL	TREE.
Ecological	NEST TREE IS A LOCUST; SURROUNE	DED BY CULTIVATED LAND IN ALL D	IRECTIONS.	
General:	NEST MONITORED 2 JUN-9 AUG 2005;	; 1 FLEDGED.		
Owner/Manager:	: PVT			
Occurrence No.	1425 Man Index. C2201			Dates Last Seen
Occurrence No. Occ Rank:		EO Index: 623	-	Element: 2005-07-21
	Natural/Native occurrence			Site: 2005-07-21
	Presumed Extant			
Trend:	Unknown		Record Last	Updated: 2005-08-15
Quad Summary:	Dixon (3812147/498A)			
County Summary	: Solano			
-	38.48732º / -121.79427º		Township:	
	Zone-10 N4260575 E605156 80 meters	Mapping PrecisionS	PECIFIC Section:	
Elevation:		Symbol Type:P		
Location	: 0.35 MILE WEST OF ROBBEN ROAD, N	ORTH OF THE RAILROAD TRACK.	MILES NE OF DIXON	
	RESSEGUIE'S DIXON 101. NEST TREE			LOCATED AT THE 95% HEIGH
	OF THE TALLEST TREE IN THE SOUTH			
Ecological	NEST TREE IS A BLUE GUM (EUCALY	PTUS); SURROUNDED BY ALFALFA	TO THE WEST AND SOUTH AND CULT	VATED LAND TO THE NORTH
General:	NEST MONITORED 21 JUN-21 JUL 200	5; 1 FLEDGED.		
Owner/Manager	PVT			
<b>a</b> N	4400	501 1 000		Datas Last Saan
Occurrence No. Occ Rank:	•	EO Index: 623		Dates Last Seen Element: 2005-08-09
	Natural/Native occurrence			Site: 2005-08-09
	Presumed Extant		B	Undeted. 2005 00 45
Trend:	Unknown		Record Last	Updated: 2005-08-15
Quad Summary:	Dozier (3812137/498D)			
County Summary	Solano			
-	38.35840º / -121.83719º		Township:	
	Zone-10 N4246221 E601594	•• • • • • •	Range:	
Radius: Elevation:	80 meters 40 ft	Mapping PrecisionSi Symbol Type:P0		
	SOUTH SHOULDER OF HAWKINS ROA			
Location Detail	RESSEGUIE'S DOZIER 33. NEST WAS			
	NEST TREE IS A BLUE GUM (EUCALY) NEST MONITORED 3 MAY-9 AUG 2005		TO THE WEST AND SOUTH AND CUEIT	IVATED LAND TO THE NORTH

Swainson's hawk Statu	us	NDDB Element Ranks	Element Code: ABNKC19070  Other Lists			
Federal: None State: Threatened		Global: G5 State: S2	CDFG Status:			
	S IN GRASSLANDS WITH WITH SCATTERE		RIPARIAN AREAS, SAVANNAHS, & AGRICULT LFALFA OR GRAIN FIELDS SUPPORTING ROE			
Occurrence No. Occ Rank: Origin:		<b>EO Index:</b> 62332	Element:	ast Seen 2005-08-06 2005-08-06		
Presence:	Presumed Extant Unknown		Record Last Updated	: 2005-08-15		
Quad Summary: County Summary	Merritt (3812157/514D), Dixon (3812147/49 : Solano	8A)				
UTM:	38.49948° / -121.75949° Zone-10 N4261965 E608172 80 meters	Mapping PrecisionSPE	Township: 08N Range: 02E CIFIC Section: 33	Qtr: XX		
Elevation:		Symbol Type:POI				
Location Detail Ecological:	ONLY FROM THE WEST OR DIRECTLY B NEST TREE IS A BLACK WALNUT; SURR NEST MONITORED 23 APR-6 AUG 2005;	OCATED AT THE 90% HEIGHT OF ELOW. OUNDED BY CULTIVATED LAND IN	THE FIRST ROADSIDE TREE NORTH OF THE E	ENTRY ROAD; VISIB		
Occurrence No.	1440 Map Index: 62296	EO Index: 62333	Dates La	ast Seen		
-	•			2005-07-16 2005-07-16		
	Unknown		Record Last Updated	: 2005-08-15		
Quad Summary: County Summary	Saxon (3812146/497B) : Solano					
UTM:	38.40555° / -121.72188° Zone-10 N4251587 E611596 80 meters 25 ft	Mapping PrecisionSPE Symbol Type:POI		Qtr: SW		
Location	ALONG THE WEST SIDE OF BULKLEY RO	DAD, 0.25 MILE NORTH OF KING RO	DAD, 13 MILES SW OF DAVIS.			
Location Detail	RESSEGUIE'S SAXON 38. NEST TREE W. HEIGHT OF THE TALLEST LOCUST NW C		EAD CONTAINING LOCUST TREES. NEST WA	S LOCATED AT THE		
U U	NEST MONITORED 22 APR-16 JUL 2005;		LTIVATED LAND IN ALL OTHER DIRECTIONS.			
Occurrence No.		<b>EO Index:</b> 62334	Dates La	ast Seen		
Occ Rank: Origin:	Excellent Natural/Native occurrence	LO IIIdex. 02334	Element:	2005-07-20 2005-07-20		
	Presumed Extant Unknown		Record Last Updated	: 2005-08-15		
Quad Summary: County Summary	Allendale (3812148/498B) : Solano					
UTM:	38.45188° / -121.92745° Zone-10 N4256499 E593587 80 meters	Mapping PrecisionSPE	Township: 07N Range: 01W CIFIC Section: 13	Qtr: NW		
Elevation:		Symbol Type:POI		Sect. 177		
Leastion	0.1 MILE SOUTH OF ALLENDALE ROAD,	0.7 MILE EAST OF LEISURE TOWN				
Location Detail	RESSEGUIE'S ALLENDALE 62. NEST TRE		DCUST, SOMEWHAT SOUTH OF A NORTH RO NE, ORCHARD TO THE WEST, FIRST-YEAR OF			

Status		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists		
Federal: None State: Threatened	I	Global: G5 State: S2	CDFG Stat	us:	
	N GRASSLANDS WITH WITH SCATTE		, RIPARIAN AREAS, SAVANNAHS, & A ALFALFA OR GRAIN FIELDS SUPPOR		
Occurrence No. 14	142 <b>Map Index:</b> 62298	EO Index: 6233		Dates La	st Seen
Occ Rank: Go				Element:	2005-07-20 2005-07-20
Presence: Pr Trend: Ur	resumed Extant nknown		Record Last	Updated:	2005-08-15
Quad Summary: All County Summary: So	lendale (3812148/498B) blano				
Lat/Long: 38	8.42559º / -121.91578º		Township:		
UTM: 20 Radius: 80 Elevation: 90		Mapping PrecisionSP Symbol Type:PO		25	Qtr: NE
		MILE NORTH OF GRIFFEN LANE, 4.7			
		REE WAS LOCATED WITHIN THE NO IE TALLEST BLUE GUM, OPPOSITE #	ORTH PART OF A ROW OF BLUE GUM 7486 (HOUSE NUMBER).	EUCALYF	PTUS. NEST WAS
-	EST TREE IS A BLUE GUM EUCALYP				
General: NE Owner/Manager: P\	EST MONITORED 30 APR-20 JUL 200 VT	5; 3 FLEDGED.			
Occurrence No. 14	143 <b>Map Index:</b> 62299	EO Index: 6233	*	Dates La	
Occ Rank: Go Origin: Na	ood atural/Native occurrence			Element: Site:	2005-08-03 2005-08-03
Presence: Pr Trend: Ur	resumed Extant nknown		Record Last	Updated:	2005-08-15
Quad Summary: All County Summary: So	lendale (3812148/498B) blano				
	8.40005° / -121.90603°		Township:		
Radius: 80 Elevation: 75		Mapping PrecisionSP Symbol Type:PO		06	Qtr: NW
Location: W	EST SHOULDER OF BYRNES ROAD	, 0.15 MILE SOUTH OF WEBER ROAD	, 5 MILES WEST OF DIXON.		
		REE IS ONE OF TWO OAKS, JUST N	ORTH OF THE CANAL. AND SE, PENS TO THE SE, AND RUD	FRAL TO	THE NE
-	EST MONITORED 20 MAY-3 AUG 200			210.210	
Owner/Manager: SC	OL COUNTY				
Occurrence No. 14 Occ Rank: Go	•	EO Index: 6233		Dates La Element:	st Seen
Origin: Na	atural/Native occurrence resumed Extant				2005-07-20
Trend: Ur			Record Last	Updated:	2005-08-15
Quad Summary: All County Summary: So	lendale (3812148/498B) blano				
Lat/Long: 38	8.44630º / -121.90161º		Township:		
CTM: 20 Radius: 80 Elevation: 90		Mapping PrecisionSP Symbol Type:PO		18	Qtr: SE
Location: No		ST, 0.3 MILE WEST OF JAHN AVENUE	, 4 MILES WEST OF DIXON. OF THE SE BLUE GUM EUCALYPTUS.		
Location Datally Dr					

Swainson's hawk	us	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threate	ned	Global: G5 State: S2	CDFG Stat	us:
General: BREED	sociations S IN GRASSLANDS WITH WITH SCATTER			
	RES ADJACENT SUITABLE FORAGING AF			
Occurrence No		EO Index: 623		Dates Last Seen
Occ Rank: Origin:	Good Natural/Native occurrence			Element: 2005-08-02 Site: 2005-08-02
Presence	Presumed Extant		Depart 1	
Trend:	Unknown		Record Last	Updated: 2005-08-15
	: Allendale (3812148/498B)			
County Summary				
-	38.40160° / -121.91244° Zone-10 N4250935 E594962		Township: Range:	
Radius:	80 meters	Mapping PrecisionSF	PECIFIC Section:	06 Qtr: NW
Elevation	80 ft	Symbol Type:PO	DINT Meridian:	М
Location	SOUTH SIDE OF WEBER ROAD, 0.35 MI	LE WEST OF BYRNES AVENUE, 4	MILES WEST OF DIXON.	
Location Detai	RESSEGUIE'S ALLENDALE 74. NEST W	AS LOCATED IN THE SECOND TRE	E FROM THE SOUTH.	
Ecological	NEST TREE IS A BLUE GUM EUCALYPT	US; SURROUNDED BY RUDERAL	/EGETATION BETWEEN AND AROUND	TREES.
	NEST MONITORED 10 JUL-2 AUG 2005;	1 FLEDGED.		
Owner/Manager	: PVT			
Occurrence No	. 1448 Map Index: 62304	EO Index: 623	I1	Dates Last Seen
Occ Rank:			I	Element: 2005-08-02
-	Natural/Native occurrence Presumed Extant			Site: 2005-08-02
	Unknown		Record Last	Updated: 2005-08-15
Quad Summary	: Dixon (3812147/498A)			
County Summary	: Solano			
	38.46733º / -121.84996º		Township:	
	Zone-10 N4258295 E600327 80 meters	Mapping PrecisionSF	PECIFIC Range: Section:	
Elevation		Symbol Type:PO		
Location	SOUTH SIDE OF SILVEYVILLE ROAD, A	T THE BEND, 0.5 MILE WEST OF P	TT SCHOOL ROAD, 2 MILES NE OF DI	KON.
Location Detai	RESSEGUIE'S DIXON 94. NEST TREE W LOCATED AT THE 90% HEIGHT OF THE		UT SOUTH OF THE TALL BLACK WALN	IUT AT THE CORNER. NEST
Ecological	NEST TREE IS A BLACK WALNUT; SURF	ROUNDED BY CULTIVATED TO TH	E NORTH AND WEST, AND ORCHARD	TO THE SOUTH AND EAST.
-	NEST MONITORED 29 APR-2 AUG 2005;			
Owner/Manager				
				<b>.</b>
Occurrence No Occ Rank:	•	EO Index: 623		Dates Last Seen
	Natural/Native occurrence			Site: 2005-07-30
	Presumed Extant Unknown		Record Last	Updated: 2005-08-18
	: Birds Landing (3812127/481A)			
Quad Summary	Solano			
Quad Summary County Summary	. 3018110		Township:	
County Summary Lat/Long	38.23683º / -121.79755º		•	
County Summary Lat/Long: UTM:		Mapping PrecisionSi	Range:	
County Summary Lat/Long: UTM:	38.23683º / -121.79755º Zone-10 N4232776 E605233 80 meters	Mapping PrecisionSi Symbol Type:P(	PECIFIC Section:	31 Qtr: NW
County Summary Lat/Long UTM: Radius: Elevation	38.23683º / -121.79755º Zone-10 N4232776 E605233 80 meters	Symbol Type:PO	Range: PECIFIC Section: DINT Meridian:	31 Qtr: NW
County Summary Lat/Long UTM: Radius: Elevation Location	38.23683° / -121.79755° Zone-10 N4232776 E605233 80 meters 25 ft	Symbol Type:PO	Range: PECIFIC Section: DINT Meridian: 113, 7.5 MILES NW OF RIO VISTA	31 Qtr: NW
County Summary Lat/Long UTM: Radius: Elevation Location Location Detai	2 38.23683° / -121.79755° Zone-10 N4232776 E605233 80 meters 25 ft 20.35 MILE SOUTH OF ROBINSON ROAD	Symbol Type:PC AND 0.4 MILE EAST OF HIGHWAY HT OF THE NEST TREE, ON THE	Range: PECIFIC Section: DINT Meridian: 113, 7.5 MILES NW OF RIO VISTA NE SIDE.	31 Qtr: NW

Swainson's hawk		NDDB Element Ranks	Element Code: ABNKC19070 Other Lists	
Federal: None State: Threate		Global: G5 State: S2	CDFG Stat	us:
General: BREED	SSOCIATIONS			
Presence:	•	EO Index: 623		Dates Last Seen           Element:         2005-08-08           Site:         2005-08-08           Updated:         2005-08-18
Quad Summary County Summary	: Birds Landing (3812127/481A) : Solano			
UTM:	<ul> <li>38.22201° / -121.77814°</li> <li>Zone-10 N4231153 E606953</li> <li>80 meters</li> <li>35 ft</li> </ul>	Mapping PrecisionS Symbol Type:P		02E 05 <b>Qtr:</b> NW
	: 0.15 MILE NORTH OF ROBINSON ROAD I: NEST APPARENTLY AT 85% HEIGHT IN FOUND ON FOOT AFTER THE FLEDGLI	THE MAIN ROW OF BLUE GUM E		ST, BECAUSE IT WAS ONLY
-	I: NEST TREE IS A BLUE GUM EUCALYPT I: SUSPECTED NEST SITE IN 2004, BUT N I: PVT			HA NEST TO THE NORTH.
Presence:	•	EO Index: 623		Dates Last Seen
Quad Summary County Summary	: Dixon (3812147/498A) : Solano			
UTM:	<ul> <li>38.44584° / -121.82851°</li> <li>Zone-10 N4255934 E602229</li> <li>80 meters</li> <li>65 ft</li> </ul>	Mapping PrecisionS Symbol Type:P		01E 23 <b>Qtr:</b> SE
Location Detai Ecological General:	: NORTH SIDE OF WEST A STREET, JUS I:NEST TREE IS LOCATED AT THE THIRE DEODAR CEDAR. I: NEST TREE IS A DEODAR CEDAR; SUR I: NESTING SUSPECTED IN 2002, BUT NO	HOUSE WEST OF WASHINGTON	STREET. NEST WAS LOCATED AT THE	
Owner/Manager Occurrence No		EO Index: 623		Dates Last Seen
Occ Rank: Origin: Presence:				Element: 2005-07-30 Site: 2005-07-30 Updated: 2005-08-18
Quad Summary County Summary	: Dixon (3812147/498A) : Solano			
UTM:	238.38362° / -121.81064° Zone-10 N4249050 E603877 80 meters 235 ft	Mapping PrecisionS Symbol Type:P		01E 12 <b>Qtr:</b> NE
			D, 4 MILES SOUTH OF DIXON	

Swainson's hawk			Element Code:	ABNKC19070 Other Lists		
Federal: None State: Threater		NDDB Element Ranks — Global: G5 State: S2		CDFG State	us:	
	STOCIATIONS					
Presence:		EO Index: 6	2382		Site:	2005-08-12 2005-08-12
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano					
UTM:	38.46717° / -121.83537° Zone-10 N4258293 E601600 80 meters - 70 ft	Mapping Precisio Symbol Type		Township: Range: Section: Meridian:	01E 11	Qtr: NE
	: SOUTH SIDE OF SILVEYVILLE ROAD, 0.3 I:NEST WAS LOCATED AT THE 90% HEIGF FARMSTEAD HOUSE.				/EWAY, E	AST OF THE
-	: NEST TREE IS A BLACK WALNUT; SURR NEST MONITORED 29 APR-12 AUG 2005; : PVT					HE NORTH.
Presence:	•	EO Index: 6	2386		Site:	2005-08-12 2005-08-12
Quad Summary: County Summary	: Elmira (3812138/498C) : Solano					
UTM:	38.35170° / -121.89146° Zone-10 N4245420 E596860 80 meters 60 ft	Mapping Precisio Symbol Type		Township: Range: Section: Meridian:	01E 20	Qtr: NW
Location Detail	NORTH SHOULDER OF HOLDENER ROA NEST NOT VISIBLE, BUT INFERRED BY A NEST TREE IS AN OSAGE ORANGE; PAS PASTURE.	ADULT BEHAVIOR WITHIN A R	OW OF OSAGE ORANGES.		I THAT W	AS FORMERLY
General: Owner/Manager	NEST SUSPECTED BUT NOT CONFIRME UNKNOWN	D IN 2002. NOT OBSERVED IN	2004. NEST MONITORED S	JUN-12 AUG 2	005; 1 FLE	DGED.
Presence:	•	EO Index: 6	2393		Site:	2005-08-04 2005-08-04
	Fairfield North (3812231/499D)					
UTM:	38.33650° / -122.02236° Zone-10 N4243603 E585441 80 meters 235 ft	Mapping Precisio Symbol Type		Township: Range: Section: Meridian:	01W 30	Qtr: XX
	NORTH SIDE OF CHERRY GLEN ROAD, E RESSEGUIE'S FAIRFIELD NORTH 1. 2004 FOUND WITHIN A ROW OF TREES ALON	NEST LOCATED AT THE 90%	HEIGHT, ON THE NORTH			
			CULTIVATED FIELDS TO TH		SOUTH	

Federal: None State: Threaten	5			Other Lists —		
	ed	NDDB Element Ranks		CDFG Status:		
General: BREEDS	sociations ————————————————————————————————————		ATS RIPARIAN AREAS SA	VANNAHS & AGR		
	ES ADJACENT SUITABLE FORAGING ARE					
Occurrence No.	1468 Map Index: 62459	EO Index: 6	2496	Da	ites La	st Seen
Occ Rank:				Elei		2005-08-24 2005-08-24
-	Natural/Native occurrence Presumed Extant				Sile.	2005-08-24
	Unknown			Record Last Up	dated:	2005-09-01
	Dixon (3812147/498A)					
County Summary:						
-	38.42320º / -121.78602º			Township: 07		
	Zone-10 N4253469 E605970 80 meters	Mapping Precisior	SPECIFIC	Range: 02 Section: 29		Qtr: SW
Elevation:		Symbol Type		Meridian: M		<b>u</b>
Location:	WEST SIDE OF ROBBEN ROAD, 0.5 MILE	NORTH OF MIDWAY ROAD, 2.	5 MILES SE OF DIXON			
	NEST LOCATED AT THE 90% HEIGHT OF PINE AT THE SW CORNER.	THE NEST TREE; NEST TREE	LOCATED ON THE SOUTH	HEDGE OF THE FA	ARMST	EAD, WEST OF TH
Ecological:	NEST TREE IS AN ARIZONA CYPRESS; SI	URROUNDED BY ALFALFA TO	THE WEST AND NE, AND	CULTIVATED LAN	р то т	HE EAST.
_	NEST MONITORED 12 APR-24 AUG 2005;					
Owner/Manager:	PVT					
Occurrence No.	1469 Map Index: 62460	EO Index: 6	2497	Da	ates Las	st Seen
Occ Rank:	•			Elei	ment:	2005-08-21
-	Natural/Native occurrence				Site:	2005-08-21
	Presumed Extant Unknown			Record Last Up	dated:	2005-09-01
Quad Summary:	Dixon (3812147/498A)					
County Summary:	Solano					
-	38.41928º / -121.75615º			Township: 07		
	Zone-10 N4253069 E608583	Manning Presiden		Range: 02		<b>0</b>
Elevation:	80 meters 35 ft	Mapping Precisior Symbol Type		Section: 28 Meridian: M		Qtr: SE
Location:	0.2 MILE NORTH OF MIDWAY ROAD, 0.4 M	MILE WEST OF SIKES ROAD, 4	MILES SE OF DIXON			
Location Detail:	NEST LOCATED AT THE 50% HEIGHT OF	THE NORTHMOST SHRUBBY	TREE.			
Ecological:	NEST TREE IS A WILLOW; SURROUNDED	BY ALFALFA IN ALL DIRECTI	ONS.			
General:	NEST MONITORED 23 APR-21 AUG 2005;	ADULT(?) OBSERVED ON NES	ST ON 21JUN 2005.			
Owner/Manager:	PVT					
Occurrence No.	1470 Map Index: 62461	EO Index: 6	2498	Da	ates Las	st Seen
Occ Rank:				Elei	ment:	2005-08-21
-	Natural/Native occurrence				Site:	2005-08-21
	Presumed Extant Unknown			Record Last Up	dated:	2005-09-01
Quad Summary:	Dixon (3812147/498A)					
County Summary:	Solano					
-	38.46829º / -121.79077º			Township: 07		
	Zone-10 N4258467 E605489 80 meters	Mapping Precision		Range: 02 Section: 07		Qtr: NE
Elevation:		Symbol Type		Meridian: M		vaçtı. v∟
Location:	NORTH OF SIDE OF VAUGHN ROAD, 0.7 I	MILE EAST OF PEDRICK ROAL	O AND 0.3 MILE WEST OF F	ROBBEN ROAD, 2.	2 MILES	S NE OF DIXON
Location Detail:	NEST LOCATED AT THE 85% HEIGHT OF	THE NORTHMOST BLUE GUN	WEST OF THE FARMSTE	AD.		
	NEST TREE IS A BLUE GUM EUCALYPTU TREES.	S; SURROUNDED BY CULTIVA	ATED LAND IN ALL DIRECT	IONS. THIS FARM	STEAD	CONTAINS MANY
	NEST MONITORED 21 JUN-21 AUG 2005;					

Swainson's hawk Stat	us	NDDB Element Ranks	Element Code: ABNKC19070 Other Lists
Federal: None State: Threate		Global: G5 State: S2	CDFG Status:
			ARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LFA OR GRAIN FIELDS SUPPORTING RODENT POPULATION
Occurrence No	•	EO Index: 62499	Dates Last Seen
Occ Rank: Origin:	Good Natural/Native occurrence		Element: 2005-08-22 Site: 2005-08-22
Presence	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-09-01
Quad Summary County Summary	: Dixon (3812147/498A)		
	38.40217º / -121.84550º		Township: 06N
-	Zone-10 N4251069 E600806		Range: 01E
	80 meters		
Elevation		Symbol Type:POINT	Meridian: M
	: SOUTH OF SHOULDER OF WEBBER ROA		
	I:NEST LOCATED IN AN OSAGE ORANGE		
-			LL DIRECTIONS. THIS FARMSTEAD CONTAINS MANY TREE
Owner/Manager	: NEST MONITORED 18 JUL-22 AUG 2005; .	ADDETS DEFINDED THE NEST SITE, BC	TING CHICK WAS DETECTED.
Owner/Manager			
Occurrence No	. 1472 Map Index: 62463	EO Index: 62500	Dates Last Seen
Occ Rank:			Element: 2005-08-19
-	Natural/Native occurrence		<b>Site:</b> 2005-08-19
	Unknown		Record Last Updated: 2005-09-01
Quad Summary	: Saxon (3812146/497B)		
County Summary	: Solano		
Lat/Long	38.41585°/-121.73031°		Township: 07N
	Zone-10 N4252719 E610844 80 meters	Mapping PrecisionSPECIFI	Range: 02E C Section: 35 Qtr: NW
Elevation		Symbol Type:POINT	Meridian: M
Location	NORTH SIDE OF MIDWAY ROAD, 0.5 MILE		SE OF DIXON
Ecological	: NEST TREE IS UNKNOWN; SURROUNDE	D BY TREES AND BUILDINGS TO THE 1	NORTH AND MANY SUITABLE TREES TO THE SOUTH
General	SUSPECTED AS A NEST SITE IN 2001, BU FLEDGED, BUT NEST WAS NOT VISIBLE.	JT NOT CONFIRMED. UNOCCUPIED IN	2002. NEST SITE MONITORED 23 APR-19 AUG 2005; 1 CHIC
	: PVT		
Owner/Manager			
Occurrence No	•	EO Index: 62502	Dates Last Seen
Occurrence No Occ Rank:	Good	<b>EO Index:</b> 62502	Element: 2005-07-29
Occurrence No Occ Rank: Origin:	•	<b>EO Index:</b> 62502	
Occurrence No Occ Rank: Origin: Presence:	Good Natural/Native occurrence	<b>EO Index:</b> 62502	Element: 2005-07-29
Occurrence No Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant	EO Index: 62502	Element: 2005-07-29 Site: 2005-07-29
Occurrence No Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B)	EO Index: 62502	Element: 2005-07-29 Site: 2005-07-29
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	Good Natural/Native occurrence Presumed Extant Unknown : Saxon (3812146/497B) : Solano : 38.43591° / -121.74814°	EO Index: 62502	Element:         2005-07-29           Site:         2005-07-29           Record Last Updated:         2005-09-01   Township: 07N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Solano 38.43591° / -121.74814° Zone-10 N4254924 E609257		Element:         2005-07-29           Site:         2005-07-29           Record Last Updated:         2005-09-01           Township:         07N           Range:         02E
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Solano 38.43591°/ -121.74814° Zone-10 N4254924 E609257 80 meters	EO Index: 62502 Mapping PrecisionSPECIFI Symbol Type:POINT	Element:         2005-07-29           Site:         2005-07-29           Record Last Updated:         2005-09-01           Township:         07N           Range:         02E
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Solano 38.43591°/ -121.74814° Zone-10 N4254924 E609257 80 meters	Mapping PrecisionSPECIFI Symbol Type:POINT	Element:         2005-07-29           Site:         2005-07-29           Record Last Updated:         2005-09-01           Township:         07N           Range:         02E           C         Section:         22           Meridian:         M
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	Good Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Solano 38.43591° / -121.74814° Zone-10 N4254924 E609257 80 meters 40 ft EAST SIDE OF SIKES ROAD, 0.3 MILE NO	Mapping PrecisionSPECIFI Symbol Type:POINT RTH OF MILLER ROAD, 4 MILES ESE C	Element:         2005-07-29           Site:         2005-07-29           Record Last Updated:         2005-09-01           Township:         07N           Range:         02E           C         Section:         22           Meridian:         M

Swainson's hawk	ıs ————		Element Code: ABNKC19070 Other Lists	
Federal: None State: Threater		Global: G5 State: S2	CDFG Stat	us:
	S IN GRASSLANDS WITH WITH SCAT		S, RIPARIAN AREAS, SAVANNAHS, & A ALFALFA OR GRAIN FIELDS SUPPORT	
Presence:	Fair Natural/Native occurrence Presumed Extant	EO Index: 625	1	Dates Last Seen
Quad Summary:	Unknown Saxon (3812146/497B)			<b></b>
UTM:	38.49505° / -121.69942° Zone-10 N4261546 E613417 80 meters	Mapping PrecisionSI Symbol Type:Po		02E 36 <b>Qtr:</b> NE
Location	NORTH SHOULDER OF TREMONT R	OAD, 0.3 MILE NORTH OF MILLER RC	DAD, 4 MILES SE OF DAVIS	
	NEST LOCATED AT THE 90% HEIGH			
Ū			TO THE SOUTH AND RUDERAL TO THE	E NORTH.
General: Owner/Manager:	NEST MONITORED 19 JUN-21 AUG 2 UNKNOWN	2005; ADULT SEEN ON NEST 20 JUN 2	005, BUT NO CHICK DETECTED.	
Occurrence No. Occ Rank: Origin:	•	EO Index: 625		Dates Last Seen Element: 2005-05-13 Site: 2005-07-13
	Presumed Extant Unknown		Record Last	t Updated: 2005-09-12
Quad Summary: County Summary	Dozier (3812137/498D) Solano			
Lat/Long: UTM:	38.32209º / -121.78627º Zone-10 N4242250 E606095 80 meters	Mapping PrecisionS/ Symbol Type:P(		02E 32 <b>Qtr:</b> SW
	EAST SIDE OF ROBBEN ROAD, 0.5 M			
	2005 NEST WAS LOCATED AT THE 9			
Ecological	: NEST TREE IS A EUCALYPTUS; SUR THE NE.	ROUNDED BY PASTURE TO THE NW	, SUDAN GRASS TO THE SW, RUDERA	L TO THE SE, AND ALFALFA TO
General:		JUL 2004; ADULTS OBSERVED DEFE VED. GHOW OCCUPIED THIS SITE AF	NDING TREE, BUT NO NEST FOUND. N FTER LATE MAY 2005.	EST MONITORED 13 MAY-16 JU
Owner/Manager:				
•		2 EO Index: 626		Dates Last Seen           Element:         2005-09-11           Site:         2005-09-11
	Unknown		Record Last	t Updated: 2005-09-13
Quad Summary: County Summary	Dixon (3812147/498A) : Solano			
UTM:	38.49618º / -121.82418º Zone-10 N4261524 E602535 80 meters	Mapping PrecisionS	Township: Range: PECIFIC Section:	01E
Elevation:	70 ft	Symbol Type:Po	DINT Meridian:	Μ
	WEST SIDE OF CURREY ROAD, 0.5 I 2005 NEST WAS LOCATED AT THE 8 OF THE ROAD LEADING TO CURREY	5% HEIGHT OF THE SECOND LARGE	ILES NORTH OF DIXON E LIVE BLUE GUM WEST OF CURREY R	OAD, ON THE SOUTH SHOULD
-	NEST TREE IS A BLUE GUM (EUCAL RTHA NESTED AT THIS SITE IN 2001		TO THE NORTH AND SOUTH. NOT CONFIRMED, IN 2002 AND 2004. N	NEST MONITORED 25 APR-11 S

Swainson's hawk Status		NDDB Element Ranks	Element Code:	ABNKC19070 Other Lists ———	
Federal: None State: Threatened	d	Global: G5 State: S2		CDFG Status:	
	IN GRASSLANDS WITH WITH SC	CATTERED TREES, JUNIPER-SAGE GING AREAS SUCH AS GRASSLANDS			
•	•	2576 EO Index:	62613	Dates La Element: Site:	st Seen 2005-08-16 2005-08-16
Trend: U	Inknown			Record Last Updated:	2006-04-24
Quad Summary: D County Summary: S	Dixon (3812147/498A) Solano				
UTM: Z	38.43848° / -121.82374° Zone-10 N4255123 E602655 10.3 acres 55 ft	Mapping Precis Symbol Ty	ionSPECIFIC pe:POLYGON	Township: 07N Range: 01E Section: 23 Meridian: M	Qtr: SE
Location: W	VEST SIDE OF HIGHWAY 113, N	EAR THE NORTH ENTRANCE TO SIL	.VEYVILLE CEMETERY, SOU	TH EDGE OF DIXON	
C		BUT ACTIVITY CENTERED AROUND THESE DENSE, TALL TREES. 2005 A			
0		DUNDED BY A CEMETERY TO THE S			
	FLEDGED IN 2000; LOTS OF AL SEEN.	DULT ACTIVITY, BUT NO NEST FOUN	D. SITE WAS ACTIVE IN 2001	I, 2002, 2004, AND 2005;	BUT, NO NEST/CHIC
Owner/Manager: P	٧T				
Occurrence No. 1 Occ Rank: G Origin: N	•	9243 EO Index:	70023	Dates La Element: Site:	
•	Presumed Extant			Record Last Updated:	2007-05-14
Quad Summary: E County Summary: S	Elmira (3812138/498C) Solano				
-		Mapping Precis Symbol Ty	ionNON-SPECIFIC pe:POINT	Township:06NRange:01WSection:22Meridian:M	Qtr: XX
Location: A	LONG ULATIS CREEK, JUST SV	V OF ULATIS DRIVE, VACAVILLE.			
		TUS (THE SECOND ONE WEST OF L TRIP, DOMINATED BY VALLEY OAK,			
		ON DISTURBANCE AND BIKE PATH	RAFFIC.		
	2 ADULTS OBSERVED NESTING CITY OF VACAVILLE	ON 11 MAY 2007.			
Occurrence No. 1 Occ Rank: E	Excellent Natural/Native occurrence	9595 EO Index:	70370	Dates La Element: Site:	2005-08-21
Origin: N Presence: P	resumed Extant			Record Last Updated:	2007-06-27
Presence: P Trend: U	Jnknown				
Presence: P Trend: U Quad Summary: D County Summary: S	Jnknown Dozier (3812137/498D) Solano				
Presence: P Trend: U Quad Summary: D County Summary: S Lat/Long: 3	Unknown Dozier (3812137/498D) Solano 38.35800° / -121.82302° Zone-10 N4246193 E602832 80 meters	Mapping Precis Symbol Ty		Township: 06N Range: 01E Section: 24 Meridian: M	Qtr: \W
Presence: P Trend: U Quad Summary: D County Summary: S Lat/Long: 3 UTM: 2 Radius: 6 Elevation: 3 Location Etail:2 Ecological: N	Unknown Dozier (3812137/498D) Solano 38.35800° / -121.82302° Zone-10 N4246193 E602832 80 meters 37 ft EAST SHOULDER OF HIGHWAY 2005 NEST WAS LOCATED AT T		PE:POINT ROAD JUNCTION, 6 MILES S T (TALLER) TREE.	Range: 01E Section: 24 Meridian: M	

		Elei	ment Code: ABNKC19070
Status		NDDB Element Ranks	Other Lists
Federal: None		Global: G5	CDFG Status:
State: Threatened		State: S2	
Habitat Associations			
General: BREEDS IN GRASS	LANDS WITH WITH SCATTERED	TREES, JUNIPER-SAGE FLATS, RIPARIAN	AREAS, SAVANNAHS, & AGRICULTURAL OR RANC
Micro: REQUIRES ADJACE	ENT SUITABLE FORAGING AREA	AS SUCH AS GRASSLANDS, OR ALFALFA O	R GRAIN FIELDS SUPPORTING RODENT POPULATIO
Occurrence No. 1698	Map Index: 70109	EO Index: 70975	Dates Last Seen
Occ Rank: Unknown			Element: 2001-04-05
Origin: Natural/Nat	ive occurrence		Site: 2001-04-05
Presence: Presumed I	Extant		
Trend: Unknown			Record Last Updated: 2007-10-03
Quad Summary: Allendale (3	3812148/498B)		
County Summary: Solano			
Lat/Long: 38.44629°	/ -121.91337º		Township: 07N
UTM: Zone-10 N4	4255893 E594822		Range: 01E
Radius: 80 meters		Mapping PrecisionSPECIFIC	Section: 18 Qtr: SW
Elevation: 101 ft		Symbol Type:POINT	Meridian: M
Location: BETWEEN	SWEANY SLOUGH AND DIXON		
		AVENUE WEST, U.T WILLE EAST OF WERIDIN	AN ROAD, 4.5 MILES WEST OF DIXON.
		BY ROW CROPS IN ALL DIRECTIONS.	AN ROAD, 4.5 MILES WEST OF DIXON.
Ecological: NEST TRE	E IS A WILLOW; SURROUNDED	BY ROW CROPS IN ALL DIRECTIONS.	
Ecological: NEST TRE General: ACTIVE NE	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001;		
Ecological: NEST TRE	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001;	BY ROW CROPS IN ALL DIRECTIONS.	
Ecological: NEST TRE General: ACTIVE NE	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001;	BY ROW CROPS IN ALL DIRECTIONS.	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen ——
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; I	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat	E IS A WILLOW; SURROUNDED ST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen ——
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed f	E IS A WILLOW; SURROUNDED ST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	E WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat	E IS A WILLOW; SURROUNDED ST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed f	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed f Trend: Unknown	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed f Trend: Unknown Quad Summary: Allendale (3)	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant 3812148/498B)	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed I Trend: Unknown Quad Summary: Allendale (3 County Summary: Solano	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant 3812148/498B) / -121.91937°	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	WAS REVISITED ON 5 JUL 2001.     Dates Last Seen     Element: 2001-04-05         Site: 2001-07-05         Record Last Updated: 2007-10-03
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed E Trend: Unknown Quad Summary: Allendale (3 County Summary: Solano Lat/Long: 38.44781°,	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant 3812148/498B) / -121.91937°	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE	E WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05 Record Last Updated: 2007-10-03 Township: 07N
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed I Trend: Unknown Quad Summary: Allendale (3 County Summary: Solano Lat/Long: 38.44781°/ UTM: Zone-10 Ne	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant 3812148/498B) / -121.91937°	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE EO Index: 70976	E WAS REVISITED ON 5 JUL 2001. — Dates Last Seen — Element: 2001-04-05 Site: 2001-07-05 Record Last Updated: 2007-10-03 Township: 07N Range: 01W
Ecological: NEST TRE General: ACTIVE NE Owner/Manager: UNKNOWN Occurrence No. 1699 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed I Trend: Unknown Quad Summary: Allendale (3 County Summary: Solano Lat/Long: 38.44781°, UTM: Zone-10 N- Radius: 80 meters Elevation: 101 ft	E IS A WILLOW; SURROUNDED EST OBSERVED ON 5 APR 2001; Map Index: 70110 ive occurrence Extant 3812148/498B) /-121.91937° 4256056 E594297	BY ROW CROPS IN ALL DIRECTIONS. NO ACTIVITY OBSERVED WHEN THIS SITE EO Index: 70976 Mapping PrecisionSPECIFIC Symbol Type:POINT	E WAS REVISITED ON 5 JUL 2001.           — Dates Last Seen           Element:         2001-04-05           Site:         2001-07-05           Record Last Updated:         2007-10-03           Township:         07N           Range:         01W           Section:         13         Qtr: SE

Owner/Manager: UNKNOWN

pappose tarplant			Element Code: PDAST4R		
Federal: None State: None Habitat As		NDDB Element Ranks Global: G4T2 State: S2.2	Other Li	sts ———————————————————————————————————	
General: COAST			LLEY AND FOOTHILL GRASSLAND.		
Occurrence No.	2 Map Index: 5	6463 EO Ind	lex: 56479	Dates La	ast Seen
Occ Rank:					1999-09-26
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record	Site:	1999-09-26 : 2004-08-25
-	Denverton (3812128/481B)				
County Summary					
-	38.22276º / -121.95206º Zone-10 N4231050 E591728			ship: 04N nge: 01W	
	80 meters		ecisionSPECIFIC Sec	tion: 03	Qtr: NE
Elevation:	10 ft	Symbo	DI Type:POINT Meri	dian: M	
			Y 12, ABOUT 2.7 MILES SE OF FAIRFIELD.		
			ECTIONS 2 & 3. SE1/4 OF NE1/4 SECTION		
-			I SSP. GUSSONEANUM, DISTICHLIS SPICA	TA, AND FRAN	IKENIA SALINA.
	UNKNOWN NUMBER OF PLANTS	3 SEEN IN 1999.			
Owner/Manager:	UNKNOWN				
Occurrence No.	3 Map Index: 5	6464 EO Ind	lex: 56480	Dates La	ast Seen
Occ Rank:	Unknown				1998-10-11
-	Natural/Native occurrence Presumed Extant			Site:	1998-10-11
	Unknown		Record	Last Updated	: 2004-08-25
Quad Summary:	Elmira (3812138/498C)				
County Summary	Solano				
Lat/Long:	38.28705º / -121.99281º		Town	ship: 05N	
	Zone-10 N4238145 E588083 80 meters	Monning Pr		nge: 01W tion: 17	Qtr: NE
Elevation:				dian: M	QUI. NE
Location	0.9 MILE SSE OF CEMENT HILL S	SUMMIT, APPROXIMATELY 2.5 M	IILES NW OF TRAVIS FIELD, E OF FAIRFIE	_D.	
			SECTIONS 8 & 17. IN NW1/4 OF NE1/4 SEC		
Ecological	IN ALKALI GRASSLAND, WITH D	ISTICHLIS SPICATA, FRANKENIA	SALINA, LEPIDIUM LATIFOLIUM AND CEN	TAUREA SOLS	TITIALIS.
General:	UNKNOWN NUMBER OF PLANTS	S SEEN IN 1998.			
Owner/Manager:	UNKNOWN				
Occurrence No.	5 Map Index: 5	6466 EO Ind	lex: 56482	Dates La	ast Seen
Occ Rank:	Poor				2007-XX-XX
•	Natural/Native occurrence Presumed Extant			Site:	2007-XX-XX
	Unknown		Record	Last Updated	: 2007-11-27
Quad Summary:	Fairfield South (3812221/482A)				
County Summary	Solano				
-	38.23425º / -122.06256º			ship: 05N	
	Zone-10 N4232222 E582042 1/10 mile	Manning Pr		nge: 02W tion: 35	Qtr: SW
Elevation:				dian: M	
Location	APPROXIMATELY 1.4 MILES SW	OF SUISUN CITY, N OF CORDEL	LIA ROAD AND S OF HIGHWAY 12.		
	IN WEEDY GRASSLAND/RUDER	AL AREA; ALONG ROADS. MAPP	ED ACCORDING TO THE LOCATION ON A ROM "1.6 MILES W OF SUISUN" ALSO ATT		
					IM VULGARE,
Location Detail	DOMINANT SPECIES IN SPRING CENTAUREA SOLSTITIALIS, LEF		NKENIA SALINA. SITE IS FLAT; HABITAT MI		E
Location Detail		PIDIUM LATIFOLIUM, SOME FRAN	NKENIA SALINA. SITE IS FLAT; HABITAT MI		E
Location Detail Ecological Threat:	CENTAUREA SOLSTITIALIS, LEF GOAT-GRAZING, DISKING ALON	PIDIUM LATIFOLIUM, SOME FRAN IG ROADS; URBAN DEVELOPMEI	NKENIA SALINA. SITE IS FLAT; HABITAT MI	LDLY ALKALINI	

Stat		NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G4T2 State: S2.2	CNPS List: 1B.2
General: COAST	SSOCIATIONS	STAL SALT MARSH, VALLEY AND FOOTHI 0M.	LL GRASSLAND.
		EO Index: 56483	Dates Last Seen Element: 1998-09-26 Site: 1998-09-26
	Unknown Fairfield South (3812221/482A)		Record Last Updated: 2004-08-25
County Summary	· · · · · ·		
UTM:	: 38.15350° / -122.11454° Zone-10 N4223217 E577578 80 meters : 7 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 04N Range: 02W Section: 32 Qtr: <b>VW</b> Meridian: M
			, AND 2.0 MILES NW OF MORROW ISLAND.
	I: MAPPED IN THE NW 1/4 OF THE NW 1/4 : IN SWALES AND LOW AREAS IN FIELD, MULTIFLORUM AND ATRIPLEX TRIANGU	WITH DISTICHLIS SPICATA, CRESSA TRUX	ILLENSIS, PICRIS ECHIOIDES, MALVELLA LEPROSA, L
General: Owner/Manager	UNKNOWN NUMBER OF PLANTS SEEN I UNKNOWN	N 1998.	
Presence	Unknown Natural/Native occurrence Presumed Extant	EO Index: 56484	
Quad Summary	Unknown Fairfield South (3812221/482A)		Record Last Updated: 2004-08-25
UTM:	: 38.14135º / -122.11041º Zone-10 N4221873 E577953 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 03N Range: 02W Section: 05 Qtr: NW Meridian: M
			PPROXIMATELY 1.5 MILES NW OF MORROW ISLAND.
	I: MAPPED IN THE NE 1/4 OF THE NW 1/4 ( : IN SWALE, WITH PICRIS ECHIOIDES, LO POLYPOGON MONSPELIENSIS, AND CO	LIUM MULTIFLORUM, LOTUS CORNICULAT	rus, paspalum dilatatum, atriplex triangulari
General: Owner/Manager	UNKNOWN NUMBER OF PLANTS SEEN I UNKNOWN	N 1998.	
Presence	•	EO Index: 56485	Dates Last Seen     Element: 1933-10-28     Site: 1933-10-28     Record Last Updated: 2004-08-25
Quad Summary County Summary	: Cordelia (3812222/482B), Fairfield South (3 : Solano	812221/482A)	
-		Mapping PrecisionNON-SPEC Symbol Type:POINT	Township: 04N Range: 02W FIC Section: 7 Qtr: XX Meridian: M
	: CORDELIA. I:EXACT LOCATION UNKNOWN. MAPPED	AS BEST GUESS BY CNDDB, IN THE VICIN	ITY OF CORDELIA, S OF CORDELIA JUNCTION.

pappose tarplant State	us	NDDB Element Ranks	Element Code: PDAST4R0P2 Other Lists	
Federal: None State: None		Global: G4T2 State: S2.2	CNPS	List: 1B.2
		PS, COASTAL SALT MARSH, VALLE ES. 2-420M.	Y AND FOOTHILL GRASSLAND.	
-	•	6471 EO Index:	56487 —	- Dates Last Seen
	Unknown		Record Las	st Updated: 2004-08-25
Quad Summary: County Summary	: Fairfield North (3812231/499D) : Solano			
-			Township Range: sionNON-SPECIFIC Section ype:POINT Meridian	: 02W : 13 <b>Qtr</b> : XX
	: 1.2 MILES N OF FAIRFIELD. I: EXACT LOCATION UNKNOWN. N	IAPPED AS BEST GUESS BY CNDD	B, APPROXIMATELY 1.2 MILES N OF FAIRFI	IELD, IN THE VICINITY OF HIGH
General			ATES THIS IS A "HYBRID POPULATION OF N	JUMEROUS COMBINATIONS".
Owner/Manager		K FROM "FAIRFIELD" AT TRIBUTED	TO THIS SITE. NEEDS FIELDWORK.	
•	Unknown Natural/Native occurrence	6472 EO Index:	56488 —	Dates Last Seen Element: 1998-10-11 Site: 1998-10-11
	Presumed Extant Unknown		Record Las	st Updated: 2004-08-25
Quad Summary: County Summary	: Fairfield North (3812231/499D) : Solano			
UTM:	: 38.27999° / -122.00686° Zone-10 N4237347 E586862 80 meters : 60 ft	Mapping Preci Symbol T		: 01W : 17 <b>Qtr</b> : SW
Location	ALONG CEMENT HILL ROAD, 1.4	MILES SSW OF CEMENT HILL SUM	IMIT, NE OF FAIRFIELD.	
Ecological	I: MAPPED IN THE NW 1/4 OF THE : IN SWALE, WITH LOLIUM MULTII CRISPUS AND RUMEX PULCHEF : UNKNOWN NUMBER OF PLANTS	FLORUM, POLYPOGON MONSPELIE R.	ENSIS, HELIOTROPIUM CURASSAVICUM, CI	RESSA TRUXILLENSIS, RUMEX
Owner/Manager	: UNKNOWN			
Presence:		0511 EO Index:		- Dates Last Seen Element: 2004-09-05 Site: 2004-09-05 st Updated: 2007-11-26
Quad Summary: County Summary	: Birds Landing (3812127/481A) : Solano			
			Township Range: sionNON-SPECIFIC Section ype:POLYGON Meridian	: 01E : 27 <b>Qtr</b> : Ξ
Location Detail		IAPPED BY CNDDB AS BEST GUES	S ALONG OLSEN RD IN E1/2 SEC 27.	
Ecological	: IN SWALE. ASSOCIATED SPECIE	ES: LOLIUM MULTIFLORUM, HEMIZO	ONIA CONGESTA SSP. LUZULIFOLIA, PICRI	5 ECHIOIDES, GRINDELIA

pap	pose tarplant					Elem	ent Code: PDAST4R0P2	!		
	Federal: None State: None	IS ————		I	IDDB Element Ranks Global: G4T2 State: S2.2		Other Lists CNPS	List: 1B.2		
		AL PRAIRIE, ME	ADOWS AND SE		TAL SALT MARSH, VALL 1.	EY AND FOOTHILL G	GRASSLAND.			
	Occurrence No.	23	Map Index:	41001	EO Inde	<b>x:</b> 71417	_	<ul> <li>Dates La</li> </ul>	ast Seen	_
	Occ Rank:		•						2005-05-24	
SENSITIVE *	Presence:	Natural/Native of Presumed Exta Unknown					Record La		2005-05-24 : 2007-12-03	
	Quad Summary:		3812127/481A)							
	County Summary:									
SENSITIVE *	Lat/Long: UTM:						Townshi Range			
	Radius: Elevation:				Mapping Pree Symbol		Section Meridian	n:	Qtr:	
	Location:	*SENSITIVE* L	Location informat	on suppresse	d.					
	Location Detail		the California Na 916) 324-3812.	tural Diversity	Database, California De	partment of Fish and G	Game, for more informatio	n:		
	Ecological				ORUM, BRODIAEA ELE S HYSTRICULUS, ALSC		RISTULATUM, CICENDI	QUADRAN	IGULARIS, JUNCU	S
	Threat: Owner/Manager:		ANSMISSION LIN	IES, DISKED	FIRE BREAK, PROPOS	ED GAS PIPELINE.				
	Occurrence No.	24	Map Index:	70513	EQ Inde	<b>x:</b> 71418		<ul> <li>Dates La</li> </ul>	ast Seen	_
	Occ Rank:		map maex.	10010	E0 mae	. /1410			2006-07-27	
	-	Natural/Native						Site:	2006-07-27	
		Presumed Exta Unknown	nt				Record La	st Updated	: 2007-11-26	
	Quad Summary: County Summary:		2128/481B)							
	-	38.22500º / -12					Townshi			
		Zone-10 N4231 80 meters	1346 E595800		Monning Bro	isionSPECIFIC	Range Section	: 01E	Qtr: NE	
	Elevation:					Type:POINT	Meridia		QUI. NE	
							OF DENVERTON SLOU	GH.		
		IN MESIC ALK	ALI GRASSLAND	ON THE MA		DLS. ASSOCIATES IN	W1/4 OF NE1/4 SEC 6. NCLUDE POLYPOGON N M VAR. ARISTULATUM.			_OAM
	General:	110 PLANTS S			VIDUALS ARE ON A CA NED LAND NORTH OF I		ATION FOUNDATION P	ROPERTY. N	MAJORITY OF PLAI	NTS
	Owner/Manager:	. ,		-		-				
	Occurrence No.	25	Map Index:	70515	EO Inde	<b>k:</b> 71419	_	<ul> <li>Dates La</li> </ul>	ast Seen	_
	Occ Rank:								2005-11-30	
	Presence:	Natural/Native of Presumed Exta Unknown					Record La	Site: st Updated:	2005-11-30 : 2007-11-26	
	Quad Summary:		2128/481B)							
	County Summary:									
	-	38.16761º / -12 Zone-10 N4224					Townshi	o: 04N : 01E		
		10.0 acres	+97 T L999240			isionSPECIFIC Type:POLYGON	Range Section Meridian	n: 30	Qtr: NW	
	Location:	N SLOPE OF K	IRBY HILL.							
	Location Detail	:MAPPED ACC	ORDING TO THE	LOCATION	ON A PRESTON MAP AI	ONG DIRT ROAD IN	NW1/4 SEC 30.			
	Ecological				SOIL, WITH PICRIS EC IM, LYTHRUM HYSSOP		ILCHER, LOTUS CORNIG	CULATUS, P	POLYPOGON	
		50.00.000 DI 41		05						
	General:	50-60,000 PLA	NTS SEEN IN 20	05.						

pappose tarplant Status Federal: None		DB Element Ranks Global: G4T2	Element Code: PDAST4R0P2 Other Lists CNPS List: 1B.2	
		State: S2.2	IILL GRASSLAND.	
Occurrence No. 26 Occ Rank: Unknown Origin: Natural/Nat	Map Index: 24764	EO Index: 71421		st Seen 2006-04-25 2006-04-25
Presence: Presumed I Trend: Unknown			Record Last Updated:	
Quad Summary: Denverton County Summary: Solano	(3812128/481B)			
Lat/Long: 38.22661°, UTM: Zone-10 N- Area: 5.4 acres Elevation: 10 ft		Mapping PrecisionSPECIFIC Symbol Type:POLYGON		Qtr: NE
		ERSECTION, SW OF TRAVIS AIR FO		
Ecological: MESIC, AL	KALINE GRASSLAND AT EDGE OF	(TON MAP IN NE1/4 OF NE1/4 SEC 4. VERNAL POOL. DOMINANTS: HORD ; IN FLAT TERRAIN. GRASSLAND BU	EUM MARINUM SSP. GUSSONEANUM, C	OTULA
	VE GRASSES, COTULA CORONOPI IRCE OF INFORMATION IS A 2006 E	,	ASTRAGALUS TENER VAR. TENER IN WI	HICH C. PARRYI SS
PARRYIIS	MENTIONED AS AN ASSOCIATE.			

mountain plover State		NDDB Element Ranks	Code: ABNNB03100 Other Lists
Federal: None	us —	Global: G2	CDFG Status: SC
State: None		State: S2?	
Habitat As	ssociations		
General: SHORT	GRASSLANDS, FRESHLY PLOWED FIELD	S, NEWLY SPROUTING GRAIN FIELDS, & SOMETIN	MES SOD FARMS
Micro: SHORT	VEGETATION, BARE GROUND & FLAT TOP	POGRAPHY. PREFERS GRAZED AREAS & AREAS	WITH BURROWING RODENTS.
Occurrence No.	<b>Map Index:</b> 40906	EO Index: 40906	Dates Last Seen
Occ Rank:	: Excellent		Element: 1991-03-16
-	: Natural/Native occurrence		Site: 1992-XX-XX
	: Presumed Extant : Unknown		Record Last Updated: 1999-02-25
Trena.			······
Quad Summary: County Summary	r: Birds Landing (3812127/481A) /: Solano		
Lat/Long:	: 38.24267º / -121.83094º		Township: 05N
-	Zone-10 N4233386 E602302		Range: 01E
	: 2/5 mile	Mapping PrecisionNON-SPECIFIC	Section: 26 Qtr: SE
Elevation:	: 25 ft	Symbol Type:POINT	Meridian: M
Location	NORTH AND SOUTH OF CREED ROAD, BI	TWEEN GOOSEHAVEN ROAD AND HIGHWAY 113	3, SOUTH OF DOZIER
Ecological	I: HABITAT CONSISTS OF GRAZED ANNUAL	. GRASSLAND.	
-			FE CHECKED IN 1992, BUT GRASS WAS TOO LONG
General.	PRESENT, BIRDS NOT VISIBLE).	IE BINDE EDERVED ON TO WAR 1391. OF	
Owner/Manager	: PVT		
Occurrence No.	<b>Map Index:</b> 48593	EO Index: 48593	Dates Last Seen
Occurrence No. Occ Rank:	•	LO IIIUEX. 40393	Element: 2007-11-02
	: Natural/Native occurrence		Site: 2007-11-02
Presence:	: Presumed Extant		
Trend:	: Unknown		Record Last Updated: 2007-11-07
Quad Summary:	: Birds Landing (3812127/481A)		
County Summary			
			-
-	: 38.21442º / -121.75762º Zone-10 N4230335 E608761		Township: 04N Range: 02E
Area:		Mapping PrecisionNON-SPECIFIC	Section: 04 Qtr: SE
Elevation:	: 30 ft	Symbol Type:POLYGON	Meridian: M
Location		ROAD AND FLANNERY ROAD, 6.2 MILES EAST OF	E RIQ VISTA
	II: THIS SITE HAS BEEN A TRADIONAL WINT		
Ecological	GRASSLAND, AND PASTURE.	. GRASSLAND; SURROUNDING LAND COMPRISED	O OF AGRICULTURAL CROPLAND, ANNUAL
Threat	THREAT CONSISTS OF CONVERSION OF	LAND TO AGRICULTURAL PRACTICES SUCH AS V	
			ON 10 DEC 2005. ~130 OBSERVED ON 10 MAR 2006.
General:	BIRDS OBSERVED ON 1 NOV; 200+ BIRDS		014 10 DEC 2003. ~ 130 ODSERVED ON 10 MAR 2008.
	. UNKNOWN		
Owner/Manager			
Owner/Manager			
Occurrence No.	<b>Map Index:</b> 48594	<b>EO Index:</b> 48594	Dates Last Seen
Occurrence No. Occ Rank:	0. 11 Map Index: 48594 : Excellent	EO Index: 48594	Element: 2004-01-06
Occurrence No Occ Rank: Origin:	<ul> <li>Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> </ul>	EO Index: 48594	
Occurrence No. Occ Rank: Origin: Presence:	0. 11 Map Index: 48594 : Excellent	EO Index: 48594	Element: 2004-01-06
Occurrence No. Occ Rank: Origin: Presence: Trend:	Map Index: 48594     Excellent     Natural/Native occurrence     Presumed Extant     Unknown	EO Index: 48594	Element:         2004-01-06           Site:         2004-01-06
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary:	A 11 Map Index: 48594     Excellent     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/481A)	EO Index: 48594	Element:         2004-01-06           Site:         2004-01-06
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Map Index: 48594     Excellent     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/481A)     Solano	EO Index: 48594	Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	A 11 Map Index: 48594     Excellent     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/481A)     /: Solano     Solano	EO Index: 48594	Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02           Township:         04N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Map Index:         48594           : Excellent         :           : Natural/Native occurrence         :           : Presumed Extant         :           : Unknown         :           :: Birds Landing (3812127/481A)	EO Index: 48594	Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	A 11     Map Index: 48594     Excellent     Natural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/481A)     Solano     Solano     S38.22167° / -121.77132°     Zone-10 N4231123 E607551		Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02           Township:         04N           Range:         02E
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Birds Landing (3812127/481A)</li> <li>Solano</li> <li>38.22167° / -121.77132°</li> <li>Zone-10 N4231123 E607551</li> <li>30 ft</li> </ul>	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02           Township:         04N           Range:         02E           Section:         05         Qtr: NE           Meridian:         M
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	Map Index:         48594           : Excellent         :           : Natural/Native occurrence         :           : Presumed Extant         :           : Unknown         :           :: Birds Landing (3812127/481A)         :           :: Solano         :           :: 38.22167° / -121.77132°         :           :: 38.22167° / -121.77132°         :           :: 30 ft         :           :: 5.7 MILES ENE OF RIO VISTA; 0.6 MILES V	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD	Element:         2004-01-06           Site:         2004-01-06           Record Last Updated:         2004-02-02           Township:         04N           Range:         02E           Section:         05         Qtr: NE           Meridian:         M           D AND FLANNERY ROAD.         Contract
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	A. 11     Map Index: 48594     Excellent     Xatural/Native occurrence     Presumed Extant     Unknown     Birds Landing (3812127/481A)     Solano     38.22167° / -121.77132°     Zone-10 N4231123 E607551     :     : 30 ft     ft     : 5.7 MILES ENE OF RIO VISTA; 0.6 MILES V     ii: THIS AREA IS A TRADITIONAL WINTERING	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD	Element: 2004-01-06 Site: 2004-01-06 Record Last Updated: 2004-02-02 Township: 04N Range: 02E Section: 05 Qtr: NE Meridian: M D AND FLANNERY ROAD.
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	<ul> <li>Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Birds Landing (3812127/481A)</li> <li>Solano</li> <li>38.22167° / -121.77132°</li> <li>Zone-10 N4231123 E607551</li> <li>30 ft</li> <li>5.7 MILES ENE OF RIO VISTA; 0.6 MILES V</li> <li>II: THIS AREA IS A TRADITIONAL WINTERING ROAD FROM HWY 113; 11/22/2002 SIGHTER</li> </ul>	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD 3 SITE: SE 1/4 OF THE NE 1/4 OF SECTION 5; 1/6/2 ED AT 3.5 MILES EAST OF ROBINSON RD AND HW	Element: 2004-01-06 Site: 2004-01-06 Record Last Updated: 2004-02-02 Township: 04N Range: 02E Section: 05 Qtr: NE Meridian: M D AND FLANNERY ROAD. 2004 DIRECTIONS ARE 3.3 MILES DOWN ROBINSON Y 113.
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	<ul> <li>Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Birds Landing (3812127/481A)</li> <li>Solano</li> <li>38.22167° / -121.77132°</li> <li>Zone-10 N4231123 E607551</li> <li>30 ft</li> <li>5.7 MILES ENE OF RIO VISTA; 0.6 MILES V</li> <li>II: THIS AREA IS A TRADITIONAL WINTERING ROAD FROM HWY 113; 11/22/2002 SIGHTER</li> </ul>	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD 3 SITE: SE 1/4 OF THE NE 1/4 OF SECTION 5; 1/6/2 ED AT 3.5 MILES EAST OF ROBINSON RD AND HW	Element: 2004-01-06 Site: 2004-01-06 Record Last Updated: 2004-02-02 Township: 04N Range: 02E Section: 05 Qtr: NE Meridian: M D AND FLANNERY ROAD.
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	<ul> <li>b. 11 Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Birds Landing (3812127/481A)</li> <li>Solano</li> <li>38.22167° / -121.77132°</li> <li>Zone-10 N4231123 E607551</li> <li>30 ft</li> <li>a: 5.7 MILES ENE OF RIO VISTA; 0.6 MILES V</li> <li>ii: THIS AREA IS A TRADITIONAL WINTERING ROAD FROM HWY 113; 11/22/2002 SIGHTI</li> <li>I: HABITAT CONSISTS OF ANNUAL GRASSL CROPS.</li> </ul>	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD 3 SITE: SE 1/4 OF THE NE 1/4 OF SECTION 5; 1/6/2 2D AT 3.5 MILES EAST OF ROBINSON RD AND HW AND GRAZED BY SHEEP. SURROUNDING LAND C	Element: 2004-01-06 Site: 2004-01-06 Record Last Updated: 2004-02-02 Township: 04N Range: 02E Section: 05 Qtr: NE Meridian: M D AND FLANNERY ROAD. :004 DIRECTIONS ARE 3.3 MILES DOWN ROBINSON 'Y 113.
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological Threat:	<ul> <li>A. 11 Map Index: 48594</li> <li>Excellent</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Birds Landing (3812127/481A)</li> <li>Solano</li> <li>38.22167° / -121.77132°</li> <li>Zone-10 N4231123 E607551</li> <li>30 ft</li> <li>a: 5.7 MILES ENE OF RIO VISTA; 0.6 MILES V</li> <li>THIS AREA IS A TRADITIONAL WINTERING ROAD FROM HWY 113; 11/22/2002 SIGHTI</li> <li>I: HABITAT CONSISTS OF ANNUAL GRASSL CROPS.</li> <li>: THREAT CONSISTS OF CONVERSION OF</li> </ul>	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON VNW OF THE INTERSECTION OF ROBINSON ROAD 3 SITE: SE 1/4 OF THE NE 1/4 OF SECTION 5; 1/6/2 2D AT 3.5 MILES EAST OF ROBINSON RD AND HW AND GRAZED BY SHEEP. SURROUNDING LAND C LAND TO UNSUITABLE AGRICULTURAL PRACTICI	Element: 2004-01-06 Site: 2004-01-06 Record Last Updated: 2004-02-02 Township: 04N Range: 02E Section: 05 Qtr: NE Meridian: M D AND FLANNERY ROAD. :004 DIRECTIONS ARE 3.3 MILES DOWN ROBINSON 'Y 113.

mountain plover			Element Code: ABNNB03100	
State	is	NDDB Element Ranks	Other Lists	
Federal: None		Global: G2	CDFG Status: SC	
State: None		State: S2?		
	sociations			
	,	ELDS, NEWLY SPROUTING GRAIN FIELD		
Micro: SHORT	VEGETATION, BARE GROUND & FLAT	TOPOGRAPHY. PREFERS GRAZED ARE	AS & AREAS WITH BURROWING RODENTS	
	UNKNOWN			
Occurrence No.	27 Map Index: 54127	EO Index: 54127	Dates La	st Seen
Occ Rank:	Good			2003-11-22
•	Natural/Native occurrence		Site:	2003-11-22
Presence: Trend:	Presumed Extant		Record Last Updated:	2004-01-28
Trend.	Stable			
Quad Summary:	Birds Landing (3812127/481A)			
County Summary	: Solano			
Lat/Long:	38.21012º / -121.77903º		Township: 04N	
UTM:	Zone-10 N4229833 E606893		Range: 02E	
Area:		Mapping PrecisionNON-S		Qtr: N
Elevation:	65 ft	Symbol Type:POLYG	GON Meridian: M	
Location	SOUTH SIDE OF FLANNERY ROAD, 1.	0 MILE WEST OF THE INTERSECTION O	FLANNERY ROAD AND ROBINSON ROAD.	, SOUTH OF DIXON.
Location Detail	THIS SITE IS A TRADITIONAL WINTER 1999/2000.	RING AREA, WITH LARGE NUMBERS OF E	BIRDS REPORTED IN THIS AREA ANNUALLY	SINCE WINTER
Ecological	LARGE PLOWED FIELD WITH A GENT	LY SLOPING TERRAIN, SURROUNDING I	AND IS GRAZED PASTURE MIXED WITH A I	FEW ROW CROP
Threat:	THREATENED BY URBAN DEVELOPM	IENT, AS RIO VISTA AND DIXON CONTIN	JE TO EXPAND.	
		OV 2003; 400 TOTAL BIRDS WERE ESTIM		

orthern harrier		Element	Code: ABNKC11010	
Status	NDC	DB Element Ranks	Other Lists	
Federal: None	G	Global: G5	CDFG Status: SC	
State: None		State: S3		
Habitat Associations				
General: COASTAL SALT & F	RESH-WATER MARSH. NEST & FOF	RAGE IN GRASSLANDS, FROM SALT GRASS	IN DESERT SINK TO MOUNTAIN	N CIENAGAS
Micro: NESTS ON GROUN	D IN SHRUBBY VEGETATION, USUA	ALLY AT MARSH EDGE; NEST BUILT OF A LA	ARGE MOUND OF STICKS IN WE	T AREAS.
Occurrence No. 31	Map Index: 61103	EO Index: 61139	Dates Las	st Seen —
Occ Rank: Good				2004-06-30
Origin: Natural/Nat			Site:	2004-06-30
Presence: Presumed	Extant		Depend Lept Undeted	2005 04 25
Trend: Unknown			Record Last Updated:	2005-04-25
Quad Summary: Fairfield So	outh (3812221/482A)			
County Summary: Solano				
Lat/Long: 38.19992°	/ -122.02763º		Township: 04N	
UTM: Zone-10 N	4228444 E585139		Range: 02W	
Radius: 80 meters		Mapping PrecisionSPECIFIC	Section: 12	Qtr: NE
Elevation: 5 ft		Symbol Type:POINT	Meridian: M	
Location: EAST OF F	FIRST MALLARD BRANCH, WEST OF	SUISUN SLOUGH, 3 MILES SSE OF FAIRFIE	ELD	
			INICA, SCIRPUS SPP, AND TYPH	IA SPP.
Ecological: HABITAT C	CONSISTS OF COASTAL BRACKISH	MARSH, DOMINATED BY SALICORNIA VIRG		

	sun thistle State	us ———	NDDB Element Ranks	Element Code: PDAST2E1G1 Other Lists	
	Federal: Endange State: None	ered	Global: G1T1 State: S1.1	CNPS List: 1B.1	
	General: SALT M	ssociations ————			
			ALL WATERCOURSES WITHIN SALTMA	RSH. 0-1M.	
	Occurrence No.	. 1 Map Index: 09764	EO Index: 17092	Dates La	
ENSITIVE *	-	Unknown Natural/Native occurrence Presumed Extant			1994-XX-XX 1994-XX-XX
				Record Last Updated:	2007-12-19
	County Summary	: Fairfield South (3812221/482A) : Solano			
ENSITIVE *	Lat/Long: UTM:			Township:	
	Radius:		Mapping Precision:	Range: Section:	Qtr:
	Elevation:	:	Symbol Type:	Meridian:	
			oressed. versity Database, California Department of F	Fish and Game, for more information:	
	Ecological			CUS. 1975 REPORT BY SOIL CONSERVATION (LEVEED) AREAS OF 1 OR MORE DUCK CLU	
	Owner/Manager				
	Occurrence No.	. 4 Map Index: 22768	EO Index: 8054	Dates La	st Seen
	Occ Rank:				2003-07-08
ENSITIVE *	-	Natural/Native occurrence		Site:	2003-07-08
		Unknown		Record Last Updated:	2007-12-19
	Quad Summary: County Summary	: Fairfield South (3812221/482A) : Solano			
ENSITIVE *	Lat/Long:	:		Township:	
	UTM: Radius:		Mapping Precision:	Range: Section:	Qtr:
	Elevation:		Symbol Type:	Meridian:	
		*SENSITIVE* Location information supp			
		(916) 324-3812.	versity Database, California Department of F		
	-	LEPIDIUM, AND JUNCUS.		THER PLANTS NEARBY INCLUDE SALICORI	NIA, FRANKENIA,
	Threat: Owner/Manager:		NTERGRADE?). FERAL PIGS AND INVAS	ION BY LEPIDIUM ARE HUGE THREATS.	
	Occurrence No.	. 5 Map Index: 24856	<b>EO Index:</b> 6761	Dates La	
ENSITIVE *	Occ Rank:	Excellent Natural/Native occurrence		Element: Site:	2000-09-06 2000-09-06
	Presence:	Presumed Extant		Site: Record Last Updated:	
		Unknown	(2042420/404P)	Record Last Updated:	2007-12-19
	Quad Summary: County Summary	: Fairfield South (3812221/482A), Denvert : Solano	ton (3812128/481B)		
ENSITIVE *	Lat/Long:			Township:	
	UTM: Radius:		Mapping Precision:	Range: Section:	Qtr:
	Elevation:	:	Symbol Type:	Meridian:	
	Location	: *SENSITIVE* Location information supp			
				-isn and Game, for more information:	
		I:Please contact the California Natural Div (916) 324-3812.	versity Database, California Department of F		

_			t Code: CTT52200CA
Federal: None	is	NDDB Element Ranks Global: G2	Other Lists
State: None		State: S2.1	
——— Habitat As	aggintions	<b>Glaie.</b> 02.1	
General:			
Micro:			
Occurrence No.	4 <b>Map Index:</b> 09823	EO Index: 16106	Dates Last Seen
Occ Rank:	Unknown		Element: 1977-06-XX
-	Natural/Native occurrence		Site: 1977-06-XX
	Presumed Extant Unknown		Record Last Updated: 1998-07-16
Trend:	Unknown		
Quad Summary:	Fairfield South (3812221/482A), Denverton	(3812128/481B)	
County Summary:	Solano		
Lat/Long:	38.22211º/-122.03661º		Township: 04N
	Zone-10 N4230898 E584327	<b>.</b>	Range: 02W
	1,578.1 acres		Section: 01 Qtr: SE Meridian: M
Elevation:		Symbol Type:POLYGON	Meridian: M
Location:	DEADMAN ISL, CONFLUENCE OF SUISU	N & HILL SLOUGHS.	
Ecological	UNABLE TO CONVERT TO FLORISTIC CL	ASSIFICATION, LACKS SPP. INFO.	
General:	CONTAINS DFG ECO RESERVE AND WIT	THIN PROTECTED AREA.	
Owner/Manager:	UNKNOWN		
Occurrence No.	5 Map Index: 09881	EO Index: 16103	Dates Last Seen
Occ Rank:			Element: 1977-06-XX
-	Natural/Native occurrence		Site: 1977-06-XX
	Presumed Extant Unknown		Record Last Updated: 1998-07-16
Trend.	UIKIOWI		·····
	Denverton (3812128/481B), Fairfield South	(3812221/482A)	
County Summary:	Solano		
Lat/Long:	38.18026º / -121.95446º		Township: 04N
	Zone-10 N4226332 E591571		Range: 01W
Area: Elevation:	5,092.1 acres		Section: 18 Qtr: SE Meridian: M
Lievation.		Symbol Type:POLYGON	
Location:	AROUND JOICE ISL IN SUISUN MARSH.		
Location Detail	EXTENSIVE ISLAND STANDS & FRINGES	OF CHANNELS.	
Ecological	UNABLE TO CONVERT TO FLORISTIC CL	ASSIFICATION, LACKS SPP. INFO.	
Threat:	SURROUNDED BY DUCK CLUBS AND AG	GRICULTURE.	
Owner/Manager:	DFG		
-			
Occurrence No.	•	EO Index: 16107	Dates Last Seen
Occ Rank:			Element: 1977-06-XX
	Natural/Native occurrence Presumed Extant		Site: 1977-06-XX
	Unknown		Record Last Updated: 1998-07-16
Quad Summers	Honkor Boy (3912119/4910) Dopuster (2)	212128/481B) Vino Hill (2842214/482D) Esi-field Ca	uth (2912221/492A)
County Summary:		312128/481B), Vine Hill (3812211/482D), Fairfield So	uun (3012221/402A)
	38.11017º / -121.98551º		Township: 03N
	Zone-10 N4218524 E588937	Manning ProvisionSDECIEIC	Range: 01W
	3,093.8 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 16 Qtr: XX Meridian: M
Area:		·, ···,,-···	
Area: Elevation:			
Area: Elevation: Location:	SIMMONS ISL NEAR GRIZZLY BAY.	SHUDE	
Area: Elevation: Location Location Detail			

				Element Code: C	TT52200CA		
Statu	us ———	I	NDDB Element Ranks		Other Lists		
Federal: None			Global: G2				
State: None			State: S2.1				
Habitat As	ssociations —						
General:							
Micro:							
Occurrence No.	. 16 Map Index	: 09695	EO Index: 125	0		Dates Las	st Seen —
Occ Rank:	Unknown						1986-08-06
•	Natural/Native occurrence					Site:	1986-08-06
	Presumed Extant				Record Last	Undeted	1009 07 16
Trend:	Unknown				Record Lasi	opuateu.	1996-07-16
		), Benicia (3812	2212/482C), Vine Hill (3812211/48	2D)			
County Summary	: Solano						
Lat/Long:	38.11527º/-122.06601º				Township:	03N	
UTM:	Zone-10 N4219016 E581874				Range:	02W	
	981.8 acres		Mapping PrecisionSF		Section:		Qtr: XX
Elevation:			Symbol Type:PC	LYGON	Meridian:	М	
Location	E EDGE MORROW ISL, W ED	GE OF SOUTH	HERN PART OF JOICE ISL, SUIS	UN BAY.			
Location Detail	I: FRINGE OF ISL AND SLOUG	н.					
	: TAXA PRESENT INCL SCIRP	US CERNUUS	, TRIGLOCHIN STRICTA, JUNCL	S SP, LILAEOPSIS MASO	ONII. ON REYE	S SALTY (	CLAY.
Ecological							

<b>e</b>			Element Code: CTT52410CA Other Lists	
Federal: None	IS	Global: G3	Other Lists —	
State: None		State: S2.1		
		State. 32.1		
	sociations —			
General:				
Micro:				
Occurrence No.	54 Map Index:	20407 EO Index: 952	24 — Dat	es Last Seen
Occ Rank:	Good		Elen	nent: 1988-12-05
Origin:	Natural/Native occurrence		:	Site: 1988-12-05
	Presumed Extant			
Trend:	Unknown		Record Last Upo	lated: 1998-07-20
Quad Summary:	Dozier (3812137/498D)			
County Summary:	Solano			
Lat/Long:	38.25450º / -121.79629º		Township: 05	N
UTM:	Zone-10 N4234738 E605318		Range: 02	Ξ
Area:	93.7 acres	Mapping PrecisionS		Qtr: XX
Elevation:	10 ft	Symbol Type:P	POLYGON Meridian: M	
Location:	BOTH SIDES OF CALHOUN C	UT EAST OF JEPSON PRAIRIE.		
Location Detail:	IN THE DRAINAGES OF THE	CALHOUN CUT AND BARKER SLOUGHS.		
Ecological:	SCIRPUS DOMINATED MARS	H WITH SOME SCATTERED OPEN WATER.	NEEDS MORE SURVEYS FOR SPECIES CO	MPOSITION.
Threat:	SURROUNDING AREA USED	TO GRAZE SHEEP.		
	THIS WAS OCC #054 OF CTT			

hispid bird's-beak	E	Element Code: PDSCR0J0D1
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2T2	CNPS List: 1B.1
State: None	State: S2.1	
Habitat Associations —		
General: MEADOWS, PLAYAS, VALL	LEY AND FOOTHILL GRASSLAND.	
Micro: IN DAMP ALKALINE SOILS	, ESPECIALLY IN ALKALINE MEADOWS AND ALKALI SINKS WITH	DISTICHLIS. 10-155M.
Occurrence No. 13	Map Index: 10329 EO Index: 17844	Dates Last Seen
Occ Rank: Fair		Element: 1993-07-20
Origin: Natural/Native occu	urrence	<b>Site:</b> 1993-07-20
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 1997-12-04
Quad Summary: Denverton (381212	28/481B), Elmira (3812138/498C)	
County Summary: Solano		
Lat/Long: 38.24695°/-121.8		Township: 05N
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380	1 E597450	Range: 01E
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380° Area: 53.3 acres	1 E597450 Mapping PrecisionSPECIFIC	Range: 01E Section: 29 Qtr: SE
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380	1 E597450	Range: 01E
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380 Area: 53.3 acres Elevation: 30 ft	1 E597450 Mapping PrecisionSPECIFIC	Range: 01E Section: 29 Qtr: SE Meridian: M
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380 Area: 53.3 acres Elevation: 30 ft Location: 1.8 MILES WEST (	1 E597450 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Range: 01E Section: 29 Qtr: SE Meridian: M
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380 Area: 53.3 acres Elevation: 30 ft Location 1.8 MILES WEST ( Location Detail:MAPPED ALONG Ecological: VERNALLY WET A	1 E597450 Mapping PrecisionSPECIFIC Symbol Type:POLYGON OF CREED STATION ON CREED ROAD, 1.5 NNE OF DENVERTON.	Range: 01E Section: 29 Qtr: SE Meridian: M
Lat/Long: 38.24695°/-121.8 UTM: Zone-10 N423380 Area: 53.3 acres Elevation: 30 ft Location: 1.8 MILES WEST ( Location Detail:MAPPED ALONG Ecological: VERNALLY WET A DISTICHLIS STRIC	A 1 E597450 Mapping PrecisionSPECIFIC Symbol Type:POLYGON OF CREED STATION ON CREED ROAD, 1.5 NNE OF DENVERTON. MARGIN OF VERNAL MARSH WITHIN THE W 1/2 OF THE SE 1/4 O AREA IN ANNUAL GRASSLAND, ON PESCADERO CLAY ON MARG	Range: 01E Section: 29 Qtr: SE Meridian: M

- · ·			Element Cod	e: PDSCR0J0D2		
Enderal: Ender		NDDB Element Ranks     Global: G2T1		Other Lists	ist: 1B.2	
Federal: Endang State: Rare	lered	State: S1.1		CNP5 L	IST: ID.2	
		otate: offi				
	ssociations					
	AL SALT MARSH.		<b>TO</b> 0.011			
WICOS: IN COA	STAL SALT MARSH WITH DI	STICHLIS, SALICORNIA, FRANKENIA, E	TC. 0-3M.			
Occurrence No	6 Man Inde	ex: 10004 EO Inde	ex: 8059		Dates I a	st Seen
Occurrence No Occ Rank	•	ex. 10004 EO Inde	<b>x.</b> 8059			1986-08-08
	: Natural/Native occurrence					2000-09-06
•	: Possibly Extirpated				one.	2000 00 00
	: Unknown			Record Last	Updated:	2001-11-28
-	: Denverton (3812128/481B)					
County Summary	r: Solano					
Lat/Long	: 38.18889º/-121.97811º			Township:	04N	
UTM:	Zone-10 N4227266 E58948	9		Range:	01W	
Radius	: 80 meters	Mapping Pre	cisionSPECIFIC	Section:	16	Qtr: SE
Elevation	: 10 ft	Symbol	Type:POINT	Meridian:	М	
Location	: SOUTHEAST OF FAIRFIEL	D ALONG MONTEZUMA SLOUGH. WEST	T OF GRIZZLY ISLAND BRIDG	E AT BELDONS L	ANDING.	
		M LANDS ASSOCIATED WITH SALICORI				
-		WEARDS ASSOCIATED WITH SALICON	NIA, DISTICILIS AND GRINDI	LLIA HOIVIILIS.		
		DALL O FROM FIOLUNIO AL ONIO OL OLION		B IN 1007		
		RAILS FROM FISHING ALONG SLOUGH				
	: OCCASIONAL COLONIES I	N 1977, 1978 AND 1980 (MORE THAN 10	00 INDIVIDUALS). 500 PLANTS	S FOUND BY DAIN	S IN 1986	; NEEDS MORE
	: OCCASIONAL COLONIES I		00 INDIVIDUALS). 500 PLANTS	S FOUND BY DAIN	S IN 1986	; NEEDS MORE
General	: OCCASIONAL COLONIES I	N 1977, 1978 AND 1980 (MORE THAN 10	00 INDIVIDUALS). 500 PLANTS	S FOUND BY DAIN	S IN 1986	; NEEDS MORE
General Owner/Manager	: OCCASIONAL COLONIES I SEARCHING. ABOUT 10% :: DFG-GRIZZLY ISLAND WA	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	6 FOUND BY DAIN 994, OR 2000.		
General Owner/Manager Occurrence No	: OCCASIONAL COLONIES I SEARCHING. ABOUT 10% :: DFG-GRIZZLY ISLAND WA	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS	5 FOUND BY DAIN 994, OR 2000.	Dates La	st Seen ———
General Owner/Manager Occurrence No Occ Rank	: OCCASIONAL COLONIES I SEARCHING. ABOUT 10% : DFG-GRIZZLY ISLAND WA . 16 Map Inde : Good	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	5 FOUND BY DAIN 994, OR 2000.	Dates La Element:	<b>st Seen</b> 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin	OCCASIONAL COLONIES I SEARCHING. ABOUT 10%     DFG-GRIZZLY ISLAND WA     16 Map Inde     Good     Natural/Native occurrence	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	5 FOUND BY DAIN 994, OR 2000.	Dates La	st Seen ———
General Owner/Manager Occurrence No Occ Rank Origin Presence	OCCASIONAL COLONIES I SEARCHING. ABOUT 10%     DFG-GRIZZLY ISLAND WA     16 Map Inde     Good     Natural/Native occurrence     Presumed Extant	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000. 	Dates La Element: Site:	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence	OCCASIONAL COLONIES I SEARCHING. ABOUT 10%     DFG-GRIZZLY ISLAND WA     16 Map Inde     Good     Natural/Native occurrence	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000. 	Dates La Element: Site:	<b>st Seen</b> 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	OCCASIONAL COLONIES I SEARCHING. ABOUT 10%     DFG-GRIZZLY ISLAND WA     16 Map Inde     Good     Natural/Native occurrence     Presumed Extant     Unknown	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000. 	Dates La Element: Site:	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B),	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000. 	Dates La Element: Site:	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	COCCASIONAL COLONIES I SEARCHING. ABOUT 10%. DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), r: Solano	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000.  I Record Last	Dates La Element: Site: Updated:	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441°/-122.00025°	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A)	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA Contemportation of the second s	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A)	00 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 <b>9x:</b> 20379	S FOUND BY DAIN 994, OR 2000.  Record Last Township: Range:	Dates La Element: Site: Updated: 04N 01W	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	COCASIONAL COLONIES I SEARCHING. ABOUT 10%     DFG-GRIZZLY ISLAND WA     16	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A)	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 15	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17	st Seen 2001-XX-XX 2001-XX-XX
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pre Symbol	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 19 x: 20379 cisionSPECIFIC Type:POLYGON	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft NORTH OF JOICE ISLAND,	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pret Symbol BETWEEN CUTOFF SLOUGH AND GRI2	00 INDIVIDUALS). 500 PLANTS ND IN 1987, 1992, 1993 OR 19 <b>11</b> <b>12</b> <b>12</b> <b>13</b> <b>13</b> <b>14</b> <b>15</b> <b>15</b> <b>15</b> <b>15</b> <b>16</b> <b>17</b> <b>17</b> <b>17</b> <b>17</b> <b>17</b> <b>17</b> <b>17</b> <b>17</b>	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17 M	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754; 53.5 acres 3 ft NORTH OF JOICE ISLAND, MAPPED SOUTH OF ROAE	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pre Symbol	00 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 x: 20379 cisionSPECIFIC Type:POLYGON ZZLY ISLAND ROAD, SUISUN ND BRIDGE AND 0.2 MILE EA:	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17 M	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft NORTH OF JOICE ISLAND, NAPPED SOUTH OF ROAE SHOWING POPULATION #	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pre- Symbol BETWEEN CUTOFF SLOUGH AND GRI D UP TO 0.5 MILE WEST OF JOICE ISLAM S WITHIN EACH CLUSTER OF PLANTS.	00 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 00 IN 1987, 1992, 1993 OR 15 00 INDIVIDUALS): 2007 0	S FOUND BY DAIN 994, OR 2000 Record Last Township: Range: Section: Meridian: MARSH. ST OF BRIDGE. M/ SEC 18.	Dates La Element: Site: Updated: 04N 01W 17 M AP DETAIL	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W L EXISTS AT CNDDB
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA A 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft NORTH OF JOICE ISLAND, H: MAPPED SOUTH OF ROAE SHOWING POPULATION # I: IN NARROW BAND AT SAL	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pre Symbol BETWEEN CUTOFF SLOUGH AND GRI D UP TO 0.5 MILE WEST OF JOICE ISLAM	0 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 x: 20379 cisionSPECIFIC Type:POLYGON ZZLY ISLAND ROAD, SUISUN ND BRIDGE AND 0.2 MILE EA: IN NW1/4 SEC 17 AND NE1/4 LICORNIA VIRGINICA, ASTER	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17 M AP DETAII ULATUS, I	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W L EXISTS AT CNDDB FRANKENIA SP., LOT
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA A 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft NORTH OF JOICE ISLAND, NMAPPED SOUTH OF ROAE SHOWING POPULATION # I: IN NARROW BAND AT SAL CORNICULATUS, POLYPO	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) 4 Mapping Pre- Symbol BETWEEN CUTOFF SLOUGH AND GRI 0 UP TO 0.5 MILE WEST OF JOICE ISLAM S WITHIN EACH CLUSTER OF PLANTS. T MARSH-UPLAND ECOTONE WITH SAI	00 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 00 IN 1987, 1992, 1993 OR 15 00 INDIVIDUATION 00 INDIVIDUATION 00 INDIVIDUATION 00 INDIGE AND 0.2 MILE EA: 10 NW1/4 SEC 17 AND NE1/4 LICORNIA VIRGINICA, ASTER NA, GRINDELIA HUMILIS, API	S FOUND BY DAIN 994, OR 2000.	Dates La Element: Site: Updated: 04N 01W 17 M AP DETAII AP DETAII ULATUS, I ARIA MAF	st Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W L EXISTS AT CNDDB FRANKENIA SP., LOT RINA, CRESSA, ET AL
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica Threat	COCCASIONAL COLONIES I SEARCHING. ABOUT 10% DFG-GRIZZLY ISLAND WA A 16 Map Inde Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B), Solano 38.19441° / -122.00025° Zone-10 N4227857 E58754 53.5 acres 3 ft NORTH OF JOICE ISLAND, NMAPPED SOUTH OF ROAE SHOWING POPULATION # IN NARROW BAND AT SAL CORNICULATUS, POLYPO COCCASIONAL DISTURBAN	N 1977, 1978 AND 1980 (MORE THAN 10 OF AREA IS PLOWED. NO PLANTS FOU ex: 22810 EO Inde Fairfield South (3812221/482A) BETWEEN CUTOFF SLOUGH AND GRIZ DUP TO 0.5 MILE WEST OF JOICE ISLAM S WITHIN EACH CLUSTER OF PLANTS. T MARSH-UPLAND ECOTONE WITH SAI GON MONSPELIENSIS, CUSCUTA SALII	0 INDIVIDUALS): 500 PLANTS IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND ISSUE IN 1992, 1993 OR 15 IND INT 1987, 1992, 1993 OR 15 IND INT 1987, 1992, 1993 OR 15 IND INT 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992, 1993 OR 15 IND IN 1987, 1992 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1987, 1993 OR 15 IND IN 1997 OR 15 IND IN 1997 OR 15 IND IN 1987, 1993 OR 15 IND IN 1997 OR 15 INT 1997 OR 15 INT 1997 OR 15 INT 1997 OR 15 INT 1997 OR 15	S FOUND BY DAIN 994, OR 2000. Record Last Township: Range: Section: Meridian: MARSH. ST OF BRIDGE. M/ SEC 18. SUBULATUS LIG: UM SP, SPERGUL MCE VEHICLES, FE	Dates La Element: Site: Updated: 04N 01W 17 M AP DETAII AP DETAII ULATUS, ARIA MAF ERAL PIGS	St Seen 2001-XX-XX 2001-XX-XX 2001-11-14 Qtr: \W L EXISTS AT CNDDB FRANKENIA SP., LOT RINA, CRESSA, ET AL S, CATTLE, EXOTICS

Cordylanthus mollis	ssp. moms			
soft bird's-beak			Element Code: PDSCR0J0D2	
Federal: Endang		NDDB Element Ranks     Global: G2T1	CNPS List: 1	B.2
State: Rare		State: S1.1		
General: COAST	SSOCIATIONS			
Micro: IN COA	STAL SALT MARSH WITH DISTICHLIS,	SALICORNIA, FRANKENIA, ETC. 0-3M.		
Occurrence No	<b>Map Index:</b> 26282	EO Index: 20378	Dates	s Last Seen
	: Excellent			nt: 2000-09-12
	: Natural/Native occurrence		Si	te: 2000-09-12
	: Presumed Extant : Unknown		Record Last Upda	ted: 2001-11-28
Quad Summary	: Fairfield South (3812221/482A), Denver	rton (3812128/481B)		
County Summary	( , , , , , , , , , , , , , , , , , , ,			
Lat/Long	: 38.23218º / -122.00456º		Township: 05N	
	Zone-10 N4232045 E587121		Range: 01W	
	86.0 acres	Mapping PrecisionSPE		Qtr: S
Elevation	: 5 ft	Symbol Type:POL	YGON Meridian: M	
-	SCIRPUS AMERICANUS, & ATRIPLEX	(TRIANGULARIS. ANOTHER RARE PLA	TA SALINA MAJOR, JAUMEA CARNOSA, PC NNT, LILAEOPSIS MASONII, IN NEARBY SLC	DUGHS.
Threat General	SCIRPUS AMERICANUS, & ATRIPLEX : SOME FOOT AND BICYCLE TRAFFIC. : 'THOUSANDS' OF PLANTS IN 1992, TH	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI		DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED
Threat General Owner/Manager	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TO POP'N NUMBERS AT CNDDB. MANY ( CHECKLOND CONTRACTOR OF C	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 S. MOSQUITO ABATEMENT ACTIVITIES M	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN.
Threat General Owner/Manager Occurrence No	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, THE POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 21 Map Index: 30275	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. 5 Last Seen
Threat General Owner/Manager Occurrence No Occ Rank	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT DFG-HILL SLOUGH WA, PVT Map Index: 30275 : Fair	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. 5 Last Seen nt: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, T POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 21 Map Index: 30275 Fair Natural/Native occurrence	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT DFG-HILL SLOUGH WA, PVT Map Index: 30275 : Fair	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen nt: 2002-XX-XX te: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, T POP'N NUMBERS AT CNDDB. MANY ( T DFG-HILL SLOUGH WA, PVT 21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE <b>EO Index:</b> 6864	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 SS. MOSQUITO ABATEMENT ACTIVITIES M Dates Eleme Si	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen nt: 2002-XX-XX te: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2. 21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE <b>EO Index:</b> 6864	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 SS. MOSQUITO ABATEMENT ACTIVITIES M Dates Eleme Si	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen nt: 2002-XX-XX te: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2. 21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE <b>EO Index:</b> 6864	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 SS. MOSQUITO ABATEMENT ACTIVITIES M Dates Eleme Si	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen nt: 2002-XX-XX te: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Decreasing Denverton (3812128/481B), Fairfield So /: Solano 38.22244° / -121.98427° Zone-10 N4230983 E588909	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda Township: 04N Range: 01W	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. <b>5 Last Seen</b> ———————————————————————————————————
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.1 Map Index: 30275 : Fair : Natural/Native occurrence : Presumed Extant : Decreasing : Denverton (3812128/481B), Fairfield So r: Solano : 38.22244° / -121.98427° Zone-10 N4230983 E588909 : 48.3 acres	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE <b>EO Index:</b> 6864	NT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda — Township: 04N Range: 01W ECIFIC Section: 04	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. S Last Seen nt: 2002-XX-XX te: 2002-XX-XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So /: Solano 38.22244° / -121.98427° Zone-10 N4230983 E588909 : 48.3 acres : 4 ft	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864 outh (3812221/482A) Mapping PrecisionSPE Symbol Type:POL	ANT, LILAEOPSIS MASONII, IN NEARBY SLO D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda Township: 04N Range: 01W ECIFIC Section: 04 YGON Meridian: M	DUGHS. DATION AT THIS SITE. 19, 170K IN 2000. DETAILED AY ALSO THREATEN. <b>5 Last Seen</b> ———————————————————————————————————
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So 7: Solano 38.22244° / -121.98427° Zone-10 N4230983 E588909 48.3 acres 4 ft SOUTH OF HILL SLOUGH, WEST OF B	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864 outh (3812221/482A) Mapping PrecisionSPE Symbol Type:POL EMMINGTON ROAD, SUISUN MARSH. <sup>4</sup>	ANT, LILAEOPSIS MASONII, IN NEARBY SLO D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda Township: 04N Range: 01W ECIFIC Section: 04 YGON Meridian: M	DUGHS. DATION AT THIS SITE.  19, 170K IN 2000. DETAILED AY ALSO THREATEN.  14  15  15  15  15  15  15  15  15  15
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Locatior Location Detai	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2. 21 Map Index: 30275 : Fair : Natural/Native occurrence : Presumed Extant : Decreasing : Denverton (3812128/481B), Fairfield So /: Solano : 38.22244° / -121.98427° Zone-10 N4230983 E588909 : 48.3 acres : 4 ft a: SOUTH OF HILL SLOUGH, WEST OF F iI: BETWEEN SE END OF HILL SLOUGH I: WITH SALICORNIA VIRGINICA, DISTIC	( TRIANGULARIS. ANOTHER RARE PL4 . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864 puth (3812221/482A) Mapping PrecisionSPE Symbol Type:POL EMMINGTON ROAD, SUISUN MARSH. ' AND THE FOOT OF POTRERO HILLS, CHLIS SPICATA, CUSCUTA SALINA MA	ANT, LILAEOPSIS MASONII, IN NEARBY SLC D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda — Township: 04N Range: 01W CIFIC Section: 04 .YGON Meridian: M "HILL SLOUGH EAST." ALONG NORTH SIDE OF UNNAMED ROAD	DUGHS.         DATION AT THIS SITE.         19, 170K IN 2000. DETAILED         AY ALSO THREATEN.         10         11         12         13         14         14         15         14         14         15         14         15         14         15         16         17         17         17         18         17         17         17         17         17         17 <tr td=""></tr>
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecologica	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So 7: Solano 38.22244° / -121.98427° Zone-10 N4230983 E588909 48.3 acres 4 ft SOUTH OF HILL SLOUGH, WEST OF F IL BETWEEN SE END OF HILL SLOUGH WITH SALICORNIA VIRGINICA, DISTIC AMERICANUS, & ATRIPLEX TRIANGU	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864 Duth (3812221/482A) Mapping PrecisionSPE Symbol Type:POL EMMINGTON ROAD, SUISUN MARSH. ' AND THE FOOT OF POTRERO HILLS, . CHLIS SPICATA, CUSCUTA SALINA MA JLARIS. ANOTHER RARE PLANT IN NE	ANT, LILAEOPSIS MASONII, IN NEARBY SLO D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda — Township: 04N Range: 01W CIFIC Section: 04 _YGON Meridian: M "HILL SLOUGH EAST." ALONG NORTH SIDE OF UNNAMED ROAD	DUGHS. DATION AT THIS SITE. IP, 170K IN 2000. DETAILED AY ALSO THREATEN.  S Last Seen nt: 2002-XX-XX ted: 2003-10-27  Qtr: VW ON TOPO. DNSPELIENSIS, SCIRPUS
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Location Ecologica	SCIRPUS AMERICANUS, & ATRIPLEX SOME FOOT AND BICYCLE TRAFFIC. 'THOUSANDS' OF PLANTS IN 1992, TI POP'N NUMBERS AT CNDDB. MANY ( DFG-HILL SLOUGH WA, PVT 2.21 Map Index: 30275 Fair Natural/Native occurrence Presumed Extant Decreasing Denverton (3812128/481B), Fairfield So /: Solano 38.22244° / -121.98427° Zone-10 N4230983 E588909 : 48.3 acres : 4 ft DETWEEN SE END OF HILL SLOUGH WITH SALICORNIA VIRGINICA, DISTIC AMERICANUS, & ATRIPLEX TRIANGU : SOME FOOT, BICYCLE TRAFFIC, FISH THREATEN. : AT LEAST 1000 PLANTS IN E PORTIO	( TRIANGULARIS. ANOTHER RARE PLA . ALTERED FLOOD/TIDAL REGIME, ANI OTAL OF 141K PLANTS SEEN HERE AI COLONIES OVER ABOUT 3.5 HECTARE EO Index: 6864 puth (3812221/482A) Mapping PrecisionSPE Symbol Type:POL EMMINGTON ROAD, SUISUN MARSH. ' AND THE FOOT OF POTRERO HILLS, . CHLIS SPICATA, CUSCUTA SALINA MA JLARIS. ANOTHER RARE PLANT IN NE/ HING, EXOTICS, RESIDENTIAL ENCRO DN OF SITE IN 1992, 141,000 PLANTS SI	ANT, LILAEOPSIS MASONII, IN NEARBY SLO D GRAZING THREATEN. HEAVY SEED PRE ND OCCURRENCE #21 IN 1993, 151K IN 199 ES. MOSQUITO ABATEMENT ACTIVITIES M — Dates Eleme Si Record Last Upda — Comparing Comparison Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Record Last Upda — Dates Eleme Si Si Record Last Upda — Dates Eleme Si Record Last Upda	DUGHS.         DATION AT THIS SITE.         19, 170K IN 2000. DETAILED         AY ALSO THREATEN.         as Last Seen —

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soft bird's-beak  Statu		NDDB Element Ranks	Element Code: PDSCR0J0D2 Other Lists	
Federal: Endange State: Rare	ered	Global: G2T1 State: S1.1		<b>ist:</b> 1B.2
Habitat As General: COASTA				
		CHLIS, SALICORNIA, FRANKENIA, ETC. 0-	ЗМ.	
Occurrence No.	22 Map Index:	30276 EO Index: 17	182	Dates Last Seen
Occ Rank:			,	Element: 1993-08-15 Site: 1993-08-15
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last	Updated: 1995-11-14
Quad Summary:	Fairfield South (3812221/482A)			
County Summary:	Solano			
-	38.19623º / -122.02674º		Township:	
	Zone-10 N4228035 E585222 4.3 acres	Mapping Precision	SPECIFIC Section:	
Elevation:		Symbol Type:		
Location:	RUSH RANCH, GRIZZLY ISLAN	ID. SOUTHEAST OF FIRST MALLARD BR, (	0.85-1.0 MI W OF SECOND MALLARD BR	
		ON, PLANTS FOUND IN 2 CLUSTERS AT E		
Ecological:	WITH SALICORNIA VIRGINICA, HYDROPHILUM HYDROPHILUM	, DISTICHLIS SPICATA, JAUMEA CARNOS, M.	4, CUSCUTA SALINA MAJOR. ANOTHER	RARE PLANT NEARBY: CIRSIU
Threat:	TRAMPLING BY GRAZING CAT	TLE. FENCES ERECTED TO LIMIT DAMAG	E. EXTENSIVE FERAL PIG DAMAGE.	
	TOTAL OF 2013 PLANTS SEEN AND FARMLAND FOUNDATION	HERE AND AT OCCURRENCE #20 IN 199 J.	3. SITE OWNED (MANAGED?) BY THE SC	JLANO COUNTY OPEN SPACE
Owner/Manager:	PVT			
Occurrence No.	23 Map Index:	37483 EO Index: 32	485 —	Dates Last Seen
Occ Rank:			J	Element: 1999-XX-XX Site: 1999-XX-XX
•	Natural/Native occurrence Presumed Extant			Site: 1999-77-77
Trend:	Unknown		Record Last	Updated: 2000-09-11
Quad Summary: County Summary:	Denverton (3812128/481B) Solano			
-	38.22960º / -121.92264º		Township:	
	Zone-10 N4231838 E594295 4.3 acres	Mapping Precision	SPECIFIC Section:	
Elevation:		Symbol Type:		
Location:	SOUTH OF TRAVIS AFB, ALON	IG HIGHWAY 12 ABOUT 1.6 MILES EAST C	F BRANSCOME ROAD, SUISUN MARSH.	
Location Detail	TWO COLONIES ALONG EITHE	ER SIDE OF HIGHWAY 12 NEAR POST MIL	E 11.	
Ecological:	BRACKISH VERNAL MARSH. A	SSOCIATED WITH SALICORNIA, DISTICHI	LIS SPICATA, FRANKENIA, CENTAUREA	SOLSTITIALIS, AND HORDEUM
		Y IN 1994, UNKNOWN NUMBER OF PLAN	IS MAPPED NORTH OF HIGHWAY IN 199	19.
Owner/Manager:	CALTRANS			
Occurrence No.	25 Map Index:	43728 EO Index: 43	728 —	Dates Last Seen
Occ Rank:	Unknown		,	Element: 1999-XX-XX
•	Natural/Native occurrence Presumed Extant			Site: 1999-XX-XX
	Unknown		Record Last	Updated: 2000-09-11
Quad Summary:	Denverton (3812128/481B)			
County Summary:				
	38.22520º / -121.93520º Zone-10 N4231338 E593200		Township: Range:	
Lat/Long:		Menning Presiden		
Lat/Long: UTM:	4.6 acres	Mapping Precision		
Lat/Long: UTM:	4.6 acres	Symbol Type:	POLYGON Meridian:	М
Lat/Long UTM: Area: Elevation: Location:	4.6 acres 5 ft NORTH OF LUCO HILL AT NOR		T 0.9 MILE ESE OF BRANSCOME RD AT H	HWY 12, SUISUN MARSH.

soft bird's-beak		Element	t Code: PDSCR0J0D2
Stat		NDDB Element Ranks	Other Lists
Federal: Endang	əred	Global: G2T1	CNPS List: 1B.2
State: Rare		State: S1.1	
Habitat As			
General: COAST			
Micro: IN COA	STAL SALT MARSH WITH DISTICHLIS, SA	LICORNIA, FRANKENIA, ETC. 0-3M.	
Occurrence No	. 26 <b>Map Index:</b> 43729	EO Index: 43729	Dates Last Seen
Occ Rank:	•		Element: 1999-XX-XX
Origin:	Natural/Native occurrence		Site: 1999-XX-XX
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-09-11
Quad Summary	: Denverton (3812128/481B)		
County Summary	: Solano		
Lat/Long:	38.21984º / -121.93869º		Township: 04N
	Zone-10 N4230739 E592902		Range: 01W
	5.8 acres	Mapping PrecisionSPECIFIC	Section: 02 Qtr: SE
Elevation	้อ แ	Symbol Type:POLYGON	Meridian: M
Location	NORTH OF LUCO HILL AT NORTHWEST	END OF LUCO SLOUGH, ABOUT 0.8-1.2 MI SOUTH	HEAST OF BRANSCOME RD AT HWY 12, SUISUN MAR
Location Detai		WEST SIDE OF SLOUGH; ABOUT 0.5-0.8 MILE SC	OUTH OF HIGHWAY 12. MOSTLY WITHIN THE SE 1/4
	SECTION 2.		
General	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS 1999 MAP BY THE STATE LANDS CO	MMISSION.
Owner/Manager	UNKNOWN		
Occurrence No	. 27 Map Index: 43730	EO Index: 43730	Dates Last Seen
Occurrence No Occ Rank:	•	EO IIIdex. 43730	Element: 1999-XX-XX
	Natural/Native occurrence		Site: 1999-XX-XX
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-09-11
Quad Summary	: Denverton (3812128/481B)		
County Summary			
Lat/Long:	38.19030º / -121.89817º		Township: 04N
UTM:	Zone-10 N4227503 E596488		Range: 01E
	17.4 acres	Mapping PrecisionSPECIFIC	Section: 17 Qtr: W
Elevation	5 ft	Symbol Type:POLYGON	Meridian: M
		I.5 MILE NNW OF MONTEZUMA, SUISUN MARSH.	
Location Detai	ECOLONIES MAPPED IN 4 POLYGONS / BETWEEN SECTIONS 17 AND 18.	ALONG EASTERN EDGE OF MARSH. WITHIN THE	THE SW 1/4 NW 1/4 SECTION 17 AND ALONG THE LINE
General		THIS SITE IS 1999 MAP BY THE STATE LANDS CO	MMISSION
Owner/Manager			
Ownen/Manager			
Occurrence No	. 28 Map Index: 43731	EO Index: 43731	Dates Last Seen
Occ Rank:			Element: 1999-XX-XX
•	Natural/Native occurrence		Site: 1999-XX-XX
	Presumed Extant Unknown		Record Last Updated: 2000-09-11
-	: Denverton (3812128/481B)		
County Summary			
-	38.18159°/-121.89803°		Township: 04N
UTM:	Zone-10 N4226537 E596512 15.6 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 20 Qtr: E
A #		Symbol Type:POLYGON	Section: 20 Qtr: E Meridian: M
Area: Elevation			
Elevation	FAST OF BRADMOOR ISLAND ABOUT 1		
Elevation	EAST OF BRADMOOR ISLAND, ABOUT 1		THE N 1/2 OF LINE BETWEEN SECTIONS 19 AND 20
Elevation: Location Location Detai	:4 COLONIES MAPPED ALONG EASTERN	NEDGE OF MARSH. COLONIES MAPPED ALONG T	THE N 1/2 OF LINE BETWEEN SECTIONS 19 AND 20.
Elevation: Location Location Detai	4 COLONIES MAPPED ALONG EASTERN ONLY SOURCE OF INFORMATION FOR		

soft bird's-beak Status		NDDB Element Ranks	Element Code: PDSCR0J0D2 Other Lists	
Federal: Endangere	ed	Global: G2T1	CNPS List: 1B.2	
State: Rare		State: S1.1		
Habitat Asso				
General: COASTAL	SALT MARSH.			
Micro: IN COAST	AL SALT MARSH WITH DISTICHLIS, SA	ALICORNIA, FRANKENIA, ETC. 0-3M.		
Occurrence No. 2	9 Map Index: 46594	EO Index: 46594		st Seen
Occ Rank: G				2002-XX-XX
-	ntroduced Back into Native Hab./Range		Site:	2002-XX-XX
Presence: P Trend: Ir	resumed Extant hcreasing		Record Last Updated	2003-10-26
Quad Summary: F	airfield South (3812221/482A)			
County Summary: S	olano			
Lat/Long: 3	8.20391º / -122.02328º		Township: 04N	
	one-10 N4228890 E585516		Range: 01W	
Area: 2 Elevation: 1		Mapping PrecisionSPECIFI Symbol Type:POLYGC		Qtr: SW
Elevation:	511	Symbol Type:POLTGC		
Location: S	PRING BRANCH MARSH RESTORATIO	ON SITE, RUSH RANCH OPEN SPACE RE	SERVE, POTRERO HILLS, SOUTH OF FAIF	RFIELD.
	UST NORTH OF SPRING CREEK AND I OPULATION: CALFED 99-05; 1/4 SW 1/		ED IN SPRING 2000 AS AN EXPERIMENTA	LLY REINTRODUCED
			STORED IN 1991, CORDYLANTHUS REINT A SALINA, PLANTAGO SUBNUDA, ATRIPL	
Threat: S	PREAD OF INVASIVE LEPIDIUM LATIF	OLIUM INTO RESTORATION AREA, SOMI	E HYDROLOGIC DISTURBANCE IN FIRST	MALLARD BRANCH.
		RING 2000. SEEDS COLLECTED FROM OC ALLY HIGHER THAN DENSITIES OBSERV	CC'S #16 & #21. UNKNOWN NUMBER OF F /ED IN 2001.	PLANTS SEEN IN 2002
Ourser/Menorers S	OLANO LAND TRUST			

monarch butterfly			Element Co	de: IILEPP2010	
Status	;	NDDB Element Ranl	ks ———	Other Lists	
Federal: None		Global: G5		CDFG Status:	
State: None		State: S3			
Habitat Ass	ociations —				
General: WINTER	ROOST SITES EXTEND ALON	G THE COAST FROM NORTHER	N MENDOCINO TO BAJA CALIF	ORNIA, MEXICO.	
Micro: ROOSTS	LOCATED IN WIND-PROTECT	ED TREE GROVES (EUCALYPTI	US, MONTEREY PINE, CYPRES	S), WITH NECTAR AND WATE	ER SOURCES NE
Occurrence No. 2	23 Map Index:	09717 <b>EO</b>	Index: 12915	Dates La	st Seen
Occ Rank: U	Jnknown				1976-12-24
•	Natural/Native occurrence			Site:	1976-12-24
	Presumed Extant			Record Last Updated	1000 01 00
Trend: U	Jnknown			Record Last Opdated	1990-01-08
Quad Summary: F	Fairfield South (3812221/482A),	Fairfield North (3812231/499D)			
County Summary: S	Solano				
Lat/Long:	38.24546º / -122.06330º			Township: 05N	
UTM: 2	Zone-10 N4233464 E581965			Range: 02W	
Radius:			PrecisionNON-SPECIFIC	Section: 26	Qtr: XX
Elevation:	20 ft	Sym	hbol Type:POINT	Meridian: M	
Location: \	W SIDE OF FAIRFIELD.				
Ecological:	HABITAT IS A LONG ROW OF I	EUCALYPTUS RUNNING ALONG	THE WEST SIDE OF THE CITY		
General: /	APPROXIMATELY 50 INDIVIDU	JALS OBSERVED BY SHAPIRO, U	JCD LEPIDOPTERIST. THIS OC	CURRENCE IS EXTREMELY	FAR INLAND

recurved larkspur		Element Co	de: PDRAN0B1J0	
Status	NDI	DB Element Ranks	— Other Lists –	
Federal: None		Global: G2	CNPS List	: 1B.2
State: None		State: S2.2		
Habitat Associations				
General: CHENOPOD SCRU	B, VALLEY AND FOOTHILL GRASSL	AND, CISMONTANE WOODLAND.		
Micro: ON ALKALINE SOI	LS; OFTEN IN VALLEY SALTBUSH O	R VALLEY CHENOPOD SCRUB. 3-685M.		
Occurrence No. 12	Map Index: 51926	EO Index: 51926	— D	ates Last Seen —
Occ Rank: Unknown			Ele	ement: 1940-03-23
Origin: Natural/Na				Site: 1940-03-23
Presence: Presumed Trend: Unknown	Extant		Record Last U	pdated: 2003-07-30
Trend: Unknown Quad Summary: Elmira (38	Extant 12138/498C), Allendale (3812148/498	3)	Record Last U	pdated: 2003-07-30
Trend: Unknown	12138/498C), Allendale (3812148/4986	3)	Record Last U	
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652	12138/498C), Allendale (3812148/4986	3)		16N
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652 <sup>c</sup> UTM: Zone-10 N Area:	12138/498C), Allendale (3812148/4986	Mapping PrecisionNON-SPECIFIC	Township: 0 Range: 0 Section: 0	96N 91W 99 <b>Qtr:</b> XX
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.386524 UTM: Zone-10 N	12138/498C), Allendale (3812148/4986	, 	Township: 0 Range: 0	96N 91W 99 <b>Qtr:</b> XX
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652 UTM: Zone-10 N Area: Elevation:	12138/498C), Allendale (3812148/4986	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Township: 0 Range: 0 Section: 0	96N 91W 99 <b>Qtr:</b> XX
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652 UTM: Zone-10 N Area: Elevation: Location: NORTH E	12138/498C), Allendale (3812148/4986 / -121.97761º !4249197 E589291 ND OF BROWNS VALLEY, NORTH O	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Township: 0 Range: 0 Section: 0 Meridian: M	96N 91W 99 <b>Qtr:</b> XX
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652 <sup>c</sup> UTM: Zone-10 N Area: Elevation: Location: NORTH E Location Detail: "ALONG T	12138/498C), Allendale (3812148/4986 / -121.97761º !4249197 E589291 ND OF BROWNS VALLEY, NORTH O	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON F VACAVILLE.	Township: 0 Range: 0 Section: 0 Meridian: M	96N 91W 99 <b>Qtr:</b> XX
Trend: Unknown Quad Summary: Elmira (38 County Summary: Solano Lat/Long: 38.38652 <sup>c</sup> UTM: Zone-10 N Area: Elevation: Location: NORTH E Location Detail: "ALONG T	12138/498C), Allendale (3812148/498 / -121.97761° !4249197 E589291 ND OF BROWNS VALLEY, NORTH O 'HE ROADSIDE." EXACT LOCATION I HE ROADSIDE IN CLAY SOIL.	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON F VACAVILLE.	Township: 0 Range: 0 Section: 0 Meridian: M	96N 91W 99 <b>Qtr:</b> XX

valley elderberry longho			Element Code: IICOL48011		
Federal: Threater State: None		NDDB Element Ranks Global: G3T2 State: S2	CDFG Sta	tus:	
	SOCIATIONS		,	,	ERRIES.
Occurrence No. Occ Rank: Origin:	•	EO Index: 14458			st Seen 1991-07-26 1991-07-26
Presence:	Presumed Extant Unknown		Record Las	t Updated:	1998-07-15
-	Mt. Vaca (3812241/499A), Monticello Dam Yolo, Napa, Solano	(3812251/515D)			
-	38.50347º / -122.04067º		Township:		
	Zone-10 N4262114 E583648 500.2 acres 150 ft	Mapping PrecisionSPE Symbol Type:POL		26	Qtr: NW
Location	PUTAH CREEK, FROM MONTICELLO DA			KE, ~3 MILE	ES SW OF WINTERS
Location Detail	LOCATED IN SECTIONS 26, 27, 28, 29, A	ND 36.			
Ecological	HABITAT CONSISTS OF ELDERBERRY/F	RIPARIAN ALONG STREAM BANKS.			
Threat:	POSSIBLE THREAT OF ELDERBERRY P	RUNING IN THE VICINITY OF THE S	OLANO LAKE PARKING LOT.		
General:	FOUR SPECIMENS FOUND ON SHRUBS THE BANK IN 1985. A POSSIBLY-RECEN			VO ADULT	S COLLECTED ALONO
Owner/Manager:	SOL COUNTY				
Occurrence No.	12 Map Index: 09658	EO Index: 22737	,	Dates La	st Seen ———
Occ Rank:					1982-XX-XX
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Las		1982-XX-XX 1995-12-13
Quad Summary:	Monticello Dam (3812251/515D), Mt. Vaca	(38122/1//004)			
-	: Yolo, Napa, Solano	(3012241/4337)			
Lat/Long:	38.50101º / -122.09970º		Township:	: 08N	
	Zone-10 N4261789 E578503		Range:		<b>0</b> / 1/5
Radius: Elevation:		Mapping PrecisionNON Symbol Type:POI			Qtr: NE
Location	G.L. STEBBINS UCLWR RESERVE, COLI	D CANYON, JUST BELOW MONTICE	LLO DAM ON PUTAH CREEK.		
General:	ONE COLLECTED IN 1982 BY SAM GON THE RESERVE. NO VELB COLLECTIONS			MILE OF T	HE MAIN ENTRANCE
Owner/Manager:	UCNR-COLD CANYON RESERVE				
Occurrence No.	80 Map Index: 33013	EO Index: 3790		Dates La	
Occ Rank:					1991-06-19
	Natural/Native occurrence Presumed Extant			Site:	1991-06-19
	Unknown		Record Las	t Updated:	1998-08-11
-	Dixon (3812147/498A)				
County Summary	Solano				
-	38.44640°/-121.80328°		Township:		
LITM-	Zone-10 N4256024 E604430	Monning Preside-ODF	Range:		Qtr: SW
		Mapping PrecisionSPE Symbol Type:POI			
Radius: Elevation:					
Radius: Elevation:	DUDLEY CREEK, JUST EAST OF PEDRIC	CK ROAD, 0.1 MILE NORTH OF DIXC	NYNEROE, COOT ENOT OF DIXON.		
Radius: Elevation: Location:	DUDLEY CREEK, JUST EAST OF PEDRIC REPORT ON: TAXONOMY; DISTRIBUTIC			ETLE REC	OVERY.
Radius: Elevation: Location Location Detail		DN; LIFE HISTORY; HABITAT; FIELD	TECHNIQUES & OBSERVATIONS; BE		

valley elderberry longho			Element Code: IICOL48011	
Federal: Threate		NDDB Element Ranks     Global: G3T2	CDFG Status:	
State: None		State: S2		
		CALIFORNIA, IN ASSOCIATION WITH BLUE E 2-8 INCHES IN DIAMETER; SOME PREFEREN	· · · · · · · · · · · · · · · · · · ·	RRIES.
Occurrence No	. 91 Map Index: 33023	EO Index: 3711	Dates Las	t Seen
Occ Rank:	Good			1991-06-18
-	: Natural/Native occurrence : Presumed Extant		Site:	1991-06-18
	Unknown		Record Last Updated:	1998-08-11
Quad Summary	: Fairfield North (3812231/499D)			
County Summary	: Napa			
-	38.35367°/-122.12509°		Township: 06N	
	Zone-10 N4245418 E576444 80 meters	Mapping PrecisionSPECIFIC	Range: 02W Section: 19	Qtr: XX
Elevation		Symbol Type:POINT	Meridian: M	QU. ^^
Location	SUISUN CREEK, JUST BELOW GORD	OON VALLEY DAM ON LAKE CURRY, 7 MILES	WEST OF VACAVILLE.	
Location Detai	I:REPORT ON: TAXONOMY; DISTRIBUT	TION; LIFE HISTORY; HABITAT; FIELD TECHN	IQUES & OBSERVATIONS; BEETLE RECO	OVERY.
General	AN OLD EXIT HOLE WAS FOUND ON	AN ISOLATED ELDERBERRY CLUMP.		
Owner/Manager	: UNKNOWN			
Occurrence No	. 92 Map Index: 33024	EO Index: 3709	Dates Las	t Seen
Occ Rank:	Good			1991-06-18
	Natural/Native occurrence		Site:	1991-06-18
	Presumed Extant Unknown		Record Last Updated:	1998-08-11
Quad Summary	: Fairfield North (3812231/499D)			
County Summary	: Solano			
Lat/Long:	38.29252º / -122.09877º		Township: 05N	
	Zone-10 N4238655 E578811		Range: 02W	<b>e</b>
Elevation	80 meters : 140 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 8 Meridian: M	Qtr: XX
Location	: UNNAMED TRIBUTARY TO LEDGEWO	DOD CREEK, ALONG CLAYTON ROAD, 0.5 MIL	E NE OF GORDON VALLEY ROAD, 3 MIL	ES NW OF FAIRFIELD
Location Detai	I: REPORT ON: TAXONOMY; DISTRIBUT	TION; LIFE HISTORY; HABITAT; FIELD TECHN	IQUES & OBSERVATIONS; BEETLE RECO	OVERY.
Ecological	: HABITAT CONSISTS OF ELDERBERR	IES GROWING ALONG A CREEK IN AN ORCH	ARD.	
General	4-5 CLUMPS OF ELDERBERRY; 1 OLD	D HOLE IN DEAD WOOD OBSERVED.		
Owner/Manager	: PVT			
Occurrence No	. 93 Map Index: 26483	EO Index: 3517	Dates Las	
Occ Rank:				1991-06-18
-	: Natural/Native occurrence : Presumed Extant		Site:	1991-06-18
	Unknown		Record Last Updated:	1998-08-11
-	: Fairfield North (3812231/499D)			
County Summary	: Solano			
-	38.30257°/-122.10662°		Township: 05N	
	Zone-10 N4239764 E578113	Monning ProvinienCOFOURIO	Range: 02W	
Area: Elevation:	13.9 acres : 145 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 5 Meridian: M	Qtr: XX
Location	: GORDON VALLEY CREEK, IN THE VIC	CINITY OF THE BRIDGE ON GORDON VALLEY	' ROAD (#B174), ~4 MILES NW OF FAIRFI	ELD.
Location Detai	I: REPORT ON: TAXONOMY; DISTRIBUT	TION; LIFE HISTORY; HABITAT; FIELD TECHN	IQUES & OBSERVATIONS; BEETLE RECO	OVERY.
	HABITAT CONSISTS OF ONE RATHE	R LARGE, RELATIVELY YOUNG, ELDERBERR	Y CLUMP WITH MANY TRUNKS, AND 1 S	MALL CLUMP ACROS
Ecological	THE CREEK; SURROUNDED BY ORC	HARDS AND FARMLAND.		
-				

valley elderberry longho			Element Code: IICOL4	18011 r Lists		
Federal: Threater State: None		NDDB Element Ranks Global: G3T2 State: S2		or Lists DFG Stat	tus:	
General: OCCUR		LEY OF CALIFORNIA, IN ASSOCIATIO RRRIES 2-8 INCHES IN DIAMETER; SO				ERRIES.
-	Poor Natural/Native occurrence	: 33026 EO Index	:: 3712			st Seen 1995-12-29 1995-12-29
	Presumed Extant Unknown		Rec	ord Las	t Updated:	1998-08-26
Quad Summary: County Summary	: Mt. Vaca (3812241/499A) : Solano					
UTM:	<ul> <li>38.47006º / -122.03987º</li> <li>Zone-10 N4258407 E583756</li> <li>80 meters</li> <li>200 ft</li> </ul>		isionSPECIFIC	ownship: Range: Section: Ieridian:	02W 12	Qtr: \W
Location	: PLEASANTS CREEK, ALONG	PLEASANTS VALLEY ROAD, NEAR PL	 _EASANTS VALLEY ROAD BRIDGE, ~{	5 MILES	WNW OF A	LLENDALE.
		ISTRIBUTION; LIFE HISTORY; HABITAT		ONS; BE	ETLE REC	OVERY.
-		TTERED CLUMPS OF STRESSED ELD OLE OBSERVED, 1991. 1 EXIT HOLE C				
Owner/Manager:			JOLINIED, 1999.			
Occurrence No.	. 192 Map Index:	: 48984 EO Inde:	<b>k:</b> 48984		Dates La	st Seen
Occ Rank: Origin:	Good Natural/Native occurrence					2002-09-12 2002-09-12
	Presumed Extant Unknown		Rec	ord Las	t Updated:	2002-10-09
	Fairfield North (3812231/499D)					
County Summary	: Solano : 38.29133º / -122.04412º		T	wnship:	05N	
UTM:	Zone-10 N4238571 E583591			Range:	02W	
Radius: Elevation:	80 meters : 158 ft			Section: leridian:		Qtr: XX
		THE NORTH EDGE OF FAIRFIELD				
	HABITAT CONSISTS OF A RIF	ENCE HOLES LOCATED ON THE SOU PARIAN CORRIDOR DOMINATED BY C RHOMBIFOLIA, WITH AN UNDERSTO	QUERCUS LOBATA, POPULUS FREMO	ONTII, AE	SCULUS	CALIFORNICA, CERC
		MENT OF AN ELEMENTARY SCHOOL				
	: VELB EMERGENCE HOLES F : CITY OF FAIRFIELD	OUND ON A LARGE (BASAL DIAMETE	R = 14-16") ELDERBERRY ON 12 SEP	2002.		
Occurrence No.			<b>x:</b> 65133		Dates La	st Soon
Occurrence No. Occ Rank:	•	65054 EO Index	. 05135			2004-05-12
Presence:	Natural/Native occurrence     Presumed Extant     Unknown		Rec	cord Las	Site: t Updated:	2004-05-12 2006-07-10
	: Fairfield South (3812221/482A)	)				
County Summary	· · · · · ·					
UTM:	38.23286º / -122.11258º Zone-10 N4232024 E577666			wnship: Range:	02W	
Radius: Elevation:	80 meters : 40 ft			Section: leridian:		Qtr: SW
	: ALONG SUISUN CREEK, ABO					
		SUISUN CREEK; CANOPY DOMINATED		OST PLA	NT (SAMBI	JCUS MEXICANA)
Ecological	FORMS A DISCONTINUOUS L	UNDERSTORY, OR IN SOME PLACES,	COLONIES.			
Threat:	OCCASIONAL HERBICIDING	UNDERSTORY, OR IN SOME PLACES, AND OTHER MAINTENANCE ALONG C 3 FOUND IN A NUMBER OF DEAD BRA	CORRIDOR.			

dwarf downingia		- NDDR Element Barks -	Element Code: PDCAM060C0 Other Lists	
Federal: None State: None Habitat As		<ul> <li>NDDB Element Ranks</li> <li>Global: G3</li> <li>State: S3.1</li> </ul>		ist: 2.2
General: VALLEY	/ AND FOOTHILL GRASSLAND (MESIC S L LAKE AND POOL MARGINS WITH A VA		AL TYPES OF VERNAL POOLS. 1-485	М.
Presence:	•	EO Index: 196		Dates Last Seen           Element:         1893-04-XX           Site:         1893-04-XX           t Updated:         2008-01-30
Quad Summary County Summary	: Elmira (3812138/498C) : Solano			
-		Mapping PrecisionN Symbol Type:Pr		01W 10 <b>Qtr:</b> SW
	: VANDEN. I: EXACT LOCATION UNKNOWN. MAPPE		ANDEN STATION WAS A SOUTHERN	PACIFIC TRAIN STOP FIVE MILE
	SOUTH OF VACAVILLE. ONLY SOURCE OF INFORMATION FOF			
Presence:	•	EO Index: 174		Dates Last Seen           Element:         1961-04-24           Site:         1961-04-24           t Updated:         1989-08-11
Quad Summary County Summary	: Dozier (3812137/498D) : Solano			
UTM:	<ul> <li>38.27851° / -121.80496°</li> <li>Zone-10 N4237392 E604524</li> <li>1/5 mile</li> <li>10 ft</li> </ul>	Mapping PrecisionN Symbol Type:P		02E 18 <b>Qtr:</b> <i>N</i>
	: BARKER SLOUGH 6.7 MILES SOUTH O I: MARGINS OF WATER. ASSOCIATED W OREGONUS.			
General: Owner/Manager	: ABUNDANT IN 1961. : UNKNOWN			
Presence:	•	EO Index: 174		Dates Last Seen           Element:         1990-04-08           Site:         1990-04-08           t Updated:         2008-02-13
Quad Summary County Summary	: Dozier (3812137/498D) : Solano			
UTM:	: 38.27381° / -121.82219° Zone-10 N4236851 E603024 15.0 acres : 20 ft	Mapping PrecisionSl Symbol Type: <sup>Pr</sup>		01E 13 <b>Qtr:</b> SW
	I: THREE COLONIES ALONG THE N AND PRESERVE; TRANSFERRED TO SOLAI I: GROWING IN HOGWALLOWS, VERNAL	NO COUNTY FARMLANDS & OPEN	SPACE ON 8/97.	
	PLAGIOBOTHRYS AND NAVARRETIA.			

dwarf downingia	ıs	NDDB Element Ranks	Element Code: PDCAM060C0 Other Lists	
Federal: None State: None		Global: G3 State: S3.1	CNPS List: 2.2	
Habitat As     General: VALLEY				
	AND FOOTHILL GRASSLAND (MESIC SI LAKE AND POOL MARGINS WITH A VAI	TES), VERNAL POOLS. RIETY OF ASSOCIATES. IN SEVERAL TYP	ES OF VERNAL POOLS. 1-485M.	
Occurrence No.	4 <b>Map Index:</b> 10523	EO Index: 5247	Dates Las	
-	Natural/Native occurrence		Element: Site:	1990-03-28 1990-03-28
	Presumed Extant Unknown		Record Last Updated:	1994-08-08
Quad Summary: County Summary:	Dozier (3812137/498D) Solano			
	38.28125º / -121.83879º		Township: 05N	
	Zone-10 N4237658 E601562		Range: 01E	
Area: Elevation:	65.3 acres 20 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON		Qtr: N
		ON OF COOK LANE AND THE SACRAMEN		
Location Detail	FOUND IN 80% OF THE 30+ VERNAL PC OF PROPOSED VEHICLE PARK.	OOLS IN THIS AREA. MAPPED MOSTLY WI	ITHIN THE CENTER OF THE NORTH HALF	OF SECTION 14. SIT
Ecological		ARPHUS AND PLANTAGO ERECTA; OTHE VAR. SESSILIFLORUS. SALTY AND ALKAL		TIPES (HECKARDII?)
Threat:	GRAZING, ALTERED HYDROLOGY; PLA	NNED FOR EXPANSION OF VACA VALLEY	RACEWAY.	
General:	THOUSANDS OF PLANTS OBSERVED II PRESERVE (TNC).	N 1990. LAND IS SEVERELY OVERGRAZED	D BY SHEEP. SITE IS ADJACENT TO THE J	EPSON PRAIRIE
Owner/Manager:	PVT			
Occurrence No.	5 <b>Map Index:</b> 10300	<b>EO Index:</b> 17416	Dates Las	
Occ Rank:	Unknown Natural/Native occurrence		Element: Site:	1961-04-30 1961-04-30
Presence:	Presumed Extant Unknown		Record Last Updated:	
	Denverton (3812128/481B)			
County Summary:				
-	38.21462º / -121.89440º Zone-10 N4230205 E596786		Township: 04N Range: 01E	
Radius:		Mapping PrecisionNON-SPE	-	Qtr: SW
Elevation:		Symbol Type:POINT	Meridian: M	
		ALONG HIGHWAY 12, 10.1 MILES EAST OF ASSOCIATED WITH PSILOCARPHUS ORE		HRYS STIPITATUS.
Owner/wanager: Occurrence No.		EO Index: 7661	Dates Las	t Seen
	Good			1982-05-18
Occ Rank:			Site:	
Origin:	Natural/Native occurrence Presumed Extant			1982-05-18
Origin: Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last Updated:	
Origin: Presence: Trend:	Presumed Extant Unknown Dozier (3812137/498D)			
Origin: Presence: Trend: Quad Summary: County Summary:	Presumed Extant Unknown Dozier (3812137/498D)			
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Presumed Extant Unknown Dozier (3812137/498D) Solano 38.27595° / -121.87493° Zone-10 N4237031 E598408		Record Last Updated: Township: 05N Range: 01E	1993-12-29
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Presumed Extant Unknown Dozier (3812137/498D) Solano 38.27595° / -121.87493° Zone-10 N4237031 E598408 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Record Last Updated: Township: 05N Range: 01E	
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.27595° / -121.87493° Zone-10 N4237031 E598408 80 meters 40 ft		Record Last Updated: Township: 05N Range: 01E Section: 16 Meridian: M	1993-12-29
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location: Ecological:	Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.27595° / -121.87493° Zone-10 N4237031 E598408 80 meters 40 ft : 2.75 AIR MILES WEST OF OLCOTT AND LARGE VERNAL POOL WITH CLAY BOT	Symbol Type:POINT	Record Last Updated: Township: 05N Range: 01E Section: 16 Meridian: M B. STHENIA, CALLITRICHE, AND PLAGIOBO	1993-12-29 Qtr: SW

dwarf downingia			1	Element Code: PDCAM060C0		
State	us ———		NDDB Element Ranks	Other Lists		·
Federal: None State: None			Global: G3 State: S3.1	CNPS	List: 2.2	
			State: 33.1			
	SSOCIATIONS	ASSLAND (MESIC S	ITES), VERNAL POOLS.			
			RIETY OF ASSOCIATES. IN SEVERAL TYPE	ES OF VERNAL POOLS. 1-48	5M.	
Occurrence No.	. 34	Map Index: 10611	EO Index: 4560		- Dates Las	st Seen ———
Occ Rank:	Good					1991-05-02
-	Natural/Native occur	rrence			Site:	1994-05-29
	Presumed Extant Unknown			Record Las	st Updated:	1995-11-01
Quad Summary:	: Dozier (3812137/49	8D)				
County Summary		,				
Lat/Long:	: 38.25860º / -121.79	655°		Township	: 05N	
	Zone-10 N4235192	E605289		Range		
	80 meters		Mapping PrecisionSPECIFIC	Section		Qtr: SE
Elevation:	: 5 ft		Symbol Type:POINT	Meridian	: M	
Threat:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I	GRAZED ACCORDI PLANTS SEEN IN 19	UNITY DOMINATED BY CRYPSIS AND DISTIC NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A	THREAT.
Threat: General:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I	OOL PLANT COMMU GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB.	M WEEDY PHYLLA NODIFLOR	A MAY BE A	THREAT.
Threat: General:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU	OOL PLANT COMMU GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASOI - Dates Las	N THREAT. N. HABITAT
Threat: General: Owner/Manager Occurrence No. Occ Rank:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38	OOL PLANT COMML CRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASOI - Dates Las Element:	N THREAT. N. HABITAT st Seen 2002-04-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU 38 Good Natural/Native occur	OOL PLANT COMML CRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASOI - Dates Las Element:	N THREAT. N. HABITAT
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38	OOL PLANT COMML CRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASOI - Dates Las Element: Site:	N THREAT. N. HABITAT st Seen 2002-04-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU 38 Good Natural/Native occur Presumed Extant Unknown	OOL PLANT COMML R GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASOI - Dates Las Element: Site:	NTHREAT. N. HABITAT <b>St Seen</b> 2002-04-11 2002-04-11
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38 Good Natural/Native occur Presumed Extant Unknown : Dozier (3812137/49) : Solano	OOL PLANT COMML GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D)	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR	A MAY BE A THE SEASON - Dates Las Element: Site: st Updated:	N THREAT. N. HABITAT <b>St Seen</b> 2002-04-11 2002-04-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: VERNAL MARSH/Pi DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38 Good Natural/Native occur Presumed Extant Unknown : Dozier (3812137/494 : Solano : 38.26730° / -121.82	OOL PLANT COMML COL PLANTS SEEN IN 19 PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596°	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR BABLY VISITED TOO LATE IN T Record Las Township	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N	N THREAT. N. HABITAT <b>St Seen</b> 2002-04-11 2002-04-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 CONSIDERED INTA DFG-CALHOUN CU 38 Natural/Native occur Presumed Extant Unknown Dozier (3812137/494 Solano 38.26730° / -121.82 Zone-10 N4236125	OOL PLANT COMML COL PLANTS SEEN IN 19 PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596°	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME. EO Index: 6798	M WEEDY PHYLLA NODIFLOR ABLY VISITED TOO LATE IN Record Lat Township Range:	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E	<b>St Seen</b> 2002-04-11 2002-04-11 2008-02-13
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU 38 Good Natural/Native occur Presumed Extant Unknown Dozier (3812137/494 Solano 38.26730° / -121.82 Zone-10 N4236125 15.0 acres	OOL PLANT COMML COL PLANTS SEEN IN 19 PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596°	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME.	M WEEDY PHYLLA NODIFLOR BABLY VISITED TOO LATE IN "  Record Las Township Range: Section	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E : 23	NTHREAT. N. HABITAT <b>St Seen</b> 2002-04-11 2002-04-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38 Good Natural/Native occur Presumed Extant Unknown : Dozier (3812137/49 : Solano : 38.26730° / -121.82 Zone-10 N4236125 15.0 acres : 25 ft	OOL PLANT COMML COL PLANTS SEEN IN 19 PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596° E602703	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME. EO Index: 6798	M WEEDY PHYLLA NODIFLOR ABLY VISITED TOO LATE IN Record Lat Township Range: Section I Meridian	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E : 23	<b>St Seen</b> 2002-04-11 2002-04-11 2008-02-13
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU . 38 Good Natural/Native occur Presumed Extant Unknown : Dozier (3812137/49 : Solano : 38.26730° / -121.82 Zone-10 N4236125 15.0 acres : 25 ft	OOL PLANT COMML COL PLANTS SEEN IN 19 PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596° E602703 T LAKE, 0.1 TO 0.3 A	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME. EO Index: 6798 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	M WEEDY PHYLLA NODIFLOR ABLY VISITED TOO LATE IN Record Lat Township Range: Section I Meridian	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E : 23	<b>St Seen</b> 2002-04-11 2002-04-11 2008-02-13
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 I CONSIDERED INTA DFG-CALHOUN CU 38 Good Natural/Native occur Presumed Extant Unknown Dozier (3812137/49 Solano 38.26730° / -121.82 Zone-10 N4236125 15.0 acres 25 ft SOUTH OF OLCOT I: THREE COLONIES IN VERNAL POOL.	OOL PLANT COMML GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596° E602703 T LAKE, 0.1 TO 0.3 A ASSOC WITH LASTH	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME. EO Index: 6798 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	M WEEDY PHYLLA NODIFLOR ABLY VISITED TOO LATE IN T Record Lat Township Range: Section I Meridian RAIRIE.	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E : 23 : M	A THREAT.         N. HABITAT         St Seen         2002-04-11         2002-04-11         2008-02-13
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	: VERNAL MARSH/P DEPRESSION. AREA NO LONGER MORE THAN 1000 CONSIDERED INTA DFG-CALHOUN CU 38 Good Natural/Native occur Presumed Extant Unknown Dozier (3812137/494 Solano 38.26730° / -121.82 Zone-10 N4236125 15.0 acres 25 ft SOUTH OF OLCOT I: THREE COLONIES IN VERNAL POOL. MICRANTHUS, PSI FREMONTII.	OOL PLANT COMML GRAZED ACCORDI PLANTS SEEN IN 19 ACT AND STILL SUIT IT ER Map Index: 70816 rrence 8D) 596° E602703 T LAKE, 0.1 TO 0.3 A ASSOC WITH LASTH	NG TO WITHAM, 1994. COMPETITION FROM 86. PLANTS NOT SEEN IN 1994; SITE PROB. ABLE FOR THE SPECIES AT THAT TIME. EO Index: 6798 Mapping PrecisionSPECIFIC Symbol Type:POLYGON VIR MILE WEST OF COOK LANE, JEPSON PF 4ENIA GLABERRIMA, L. FREMONTII, ELEOC SSIMUS, ALLOCARYA BRACTEATUS, PLEUI	M WEEDY PHYLLA NODIFLOR ABLY VISITED TOO LATE IN T Record Lat Township Range: Section I Meridian RAIRIE.	A MAY BE A THE SEASO - Dates Las Element: Site: st Updated: : 05N 01E : 23 : M	A THREAT. N. HABITAT 2002-04-11 2002-04-11 2008-02-13 Qtr: NE

Owner/Manager: SOLANO LAND TRUST

Status NDDB Element Ranks Federal: None Global: G3     State: None State: S3.1     Habitat Associations General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.     Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF	CNPS List: 2.2
State:       None       State:       S3.1         Habitat Associations	CNPS List 99
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.	
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.	
	VERNAL POOLS. 1-485M.
Occurrence No. 39 Map Index: 24745 EO Index: 9259	Dates Last Seen
Occ Rank: Good	Element: 1991-05-03
Origin: Natural/Native occurrence	Site: 1991-05-03
Presence: Presumed Extant	
Trend: Unknown	Record Last Updated: 1993-12-29
Quad Summary: Dozier (3812137/498D)	
County Summary: Solano	
Lat/Long: 38.29236º / -121.86117º	Township: 05N
UTM: Zone-10 N4238867 E599589	Range: 01E
Area: 74.4 acres Mapping PrecisionSPECIFIC	<b>Section:</b> 09 <b>Qtr: E</b>
Elevation: 35 ft Symbol Type:POLYGON	Meridian: M
Threat: PARCEL IS CONSIDERED TO BE IN RELATIVELY GOOD SHAPE ALTHOUGH CURRENTL	
General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA
General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL Owner/Manager: PVT	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA.
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L         HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index: 24746       EO Index: 9284	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen ———
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L         HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index: 24746       EO Index: 9284         Occ Rank:       Good	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen Element: 1991-04-22
General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL Owner/Manager: PVT Occurrence No. 40 Map Index: 24746 EO Index: 9284 Occ Rank: Good Origin: Natural/Native occurrence	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen ———
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L         HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index: 24746       EO Index: 9284         Occ Rank:       Good	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen Element: 1991-04-22
General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL Owner/Manager: PVT Occurrence No. 40 Map Index: 24746 EO Index: 9284 Occ Rank: Good Origin: Natural/Native occurrence Presence: Presumed Extant	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. —— Dates Last Seen —— Element: 1991-04-22 Site: 1991-04-22
General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL Owner/Manager: PVT Occurrence No. 40 Map Index: 24746 EO Index: 9284 Occ Rank: Good Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. —— Dates Last Seen —— Element: 1991-04-22 Site: 1991-04-22
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L         HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence       Presence:       Presuned Extant         Trend:       Unknown       Quad Summary:       Dozier (3812137/498D)       EO Index:       9284	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. —— Dates Last Seen —— Element: 1991-04-22 Site: 1991-04-22
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence         Presence:       Presuned Extant       Trend:       Unknown         Quad Summary:       Dozier (3812137/498D)       County Summary: Solano	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen — Element: 1991-04-22 Site: 1991-04-22 Record Last Updated: 1993-12-29
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence       9284         Origin:       Natural/Native occurrence       Presence:       Presumed Extant       Trend:       Unknown         Quad Summary:       Dozier (3812137/498D)       County Summary: Solano       County Summary: Solano         Lat/Long:       38.27842º/-121.86036°       UTM:       Zone-10 N4237321 E599679         Radius:       80 meters       Mapping PrecisionSPECIFIC	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen — Element: 1991-04-22 Site: 1991-04-22 Record Last Updated: 1993-12-29 — Township: 05N Range: 01E Section: 15 Qtr: <i>N</i>
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence       9284         Presence:       Presumed Extant Trend:       Unknown       Trend:       Unknown         Quad Summary:       Dozier (3812137/498D)       County Summary:       Solano         Lat/Long:       38.27842° / -121.86036° UTM:       Zone-10 N4237321 E599679       Solano	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen Element: 1991-04-22 Site: 1991-04-22 Record Last Updated: 1993-12-29 Township: 05N Range: 01E
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM L HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence       9284         Origin:       Natural/Native occurrence       Presence:       Presence Eresumed Extant Trend:       Unknown         Quad Summary:       Dozier (3812137/498D)       County Summary:       Solano         Lat/Long:       38.27842º / -121.86036° UTM:       Zone-10 N4237321 E599679       Mapping PrecisionSPECIFIC	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen — Element: 1991-04-22 Site: 1991-04-22 Record Last Updated: 1993-12-29 — Township: 05N Range: 01E Section: 15 Qtr: <i>N</i>
General:       OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM LI         Mettercosepala, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWEL         Owner/Manager:       PVT         Occurrence No. 40       Map Index:       24746       EO Index:       9284         Occ Rank:       Good       Origin:       Natural/Native occurrence       9284         Presence:       Presumed Extant       Trend:       Unknown         Quad Summary:       Dozier (3812137/498D)       County Summary:       Solano         Lat/Long:       38.27842°/-121.86036°       UTM:       Zone-10 N4237321 E599679         Radius:       80 meters       Mapping PrecisionSPECIFIC       Symbol Type:POINT	ATIPES, ASTRAGALUS TENER TENER, GRATIOLA LIANA. — Dates Last Seen — Element: 1991-04-22 Site: 1991-04-22 Record Last Updated: 1993-12-29 — Township: 05N Range: 01E Section: 15 Qtr: <i>N</i>

Owner/Manager: PVT

dwarf downingia	JS	NDDB Element Ranks	nent Code: PDCAM060C0 ———— Other Lists ————
Federal: None State: None		Global: G3 State: S3.1	CNPS List: 2.2
General: VALLEY	Sociations ————————————————————————————————————	(ES), VERNAL POOLS,	
		RIETY OF ASSOCIATES. IN SEVERAL TYPES C	F VERNAL POOLS. 1-485M.
Occurrence No.	. 41 Map Index: 24748	EO Index: 9222	Dates Last Seen
Occ Rank:			Element: 1991-04-30
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1991-04-30
	Unknown		Record Last Updated: 1993-12-29
	Dozier (3812137/498D)		
County Summary			
-	38.27167° / -121.86084° Zone-10 N4236572 E599646		Township: 05N Range: 01E
	80 meters	Mapping PrecisionSPECIFIC	Section: 16 Qtr: SE
Elevation:		Symbol Type:POINT	Meridian: M
Location	2 MILES WEST OF OLCOTT LAKE.		
Location Detail	:MAPPED IN EXTREME SOUTHEAST COP	RNER OF SECTION 16.	
Ecological	GROWING IN A VERNAL POOL WITH DE BREVISSIMUS, AND MYOSURUS MINIM		PICATA NANA, LASTHENIA FREMONTII, PSILOCARPHI
Threat:	SITE UNDER PERMANENT CATTLE PAS	TURE.	
Owner/Manager	: PVT		
Occurrence No.	42 Map Index: 24749	EO Index: 17012	Dates Last Seen
Occ Rank:			Element: 1991-04-30
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1991-04-30
	Unknown		Record Last Updated: 1993-12-29
	Dozier (3812137/498D)		
County Summary			
	38.26620° / -121.86045° Zone-10 N4235965 E599688		Township: 05N Range: 01E
	80 meters	Mapping PrecisionSPECIFIC	Section: 22 Qtr: NW
Elevation:	35 ft	Symbol Type:POINT	Meridian: M
Location	APPROXIMATELY 2.5 MILES WSW OF D	OZIER.	
Location Detail	:MAPPED 1.4 MILES SOUTH OF THE NOP	RTHERN SACRAMENTO RAILROAD TRACKS A	ND 2 MILES WEST OF COOK LANE.
Ecological	GROWING IN A VERNAL POOL IN ASSO	CIATION WITH LASTHENIA FREMONTII, DESC	HAMPSIA DANTHONIOIDES, AND LEGENERE LIMOSA.
Threat:	THIS AREA IS EXTREMELY OVERGRAZE	ED AND THE POOLS ARE DAMAGED BY CATTI	LE TRAMPLING.
Owner/Manager	: PVT		
Occurrence No.	43 Map Index: 24752	EO Index: 6814	Dates Last Seen
Occ Rank:			Element: 1991-05-07
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1991-05-07
	Unknown		Record Last Updated: 2004-03-16
Quad Summary:	Dozier (3812137/498D)		
County Summary	: Solano		
-	38.25751º / -121.84755º		Township: 05N
	Zone-10 N4235015 E600828 7.4 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 22 Qtr: S
		Symbol Type:POLYGON	Meridian: M
Area: Elevation:	2.5 MILES SOUTHWEST OF DOZIER ALC	ONG EITHER SIDE OF THE RAILROAD TRACKS	
Area: Elevation: Location Location Detail	FOUND IN 7 OF THE POOLS IN THE VER	RNAL POOL COMPLEX NORTHWEST OF THE N	
Area: Elevation: Location Location Detail	FOUND IN 7 OF THE POOLS IN THE VER GROWING IN VERNAL POOLS. ASSOCIA	RNAL POOL COMPLEX NORTHWEST OF THE N ATED WITH LASTHENIA FREMONTII, L. GLABE	IORTHERN END OF CALHOUN CUT. RRIMA, ALOPECURUS HOWELLII, ELEOCHARIS PIA BROMOIDES, ERYNGIUM ARISTULATUM, AND

warf downingia		Ele	ement Code: PDCAM060C0
State	us ———	NDDB Element Ranks	Other Lists
Federal: None		Global: G3	CNPS List: 2.2
State: None		State: S3.1	
Habitat As	ssociations —		
General: VALLEY	AND FOOTHILL GRASSLAND (ME	SIC SITES), VERNAL POOLS.	
Micro: VERNA	L LAKE AND POOL MARGINS WITH	A VARIETY OF ASSOCIATES. IN SEVERAL TYPES	OF VERNAL POOLS. 1-485M.
Occurrence No.	. 45 Map Index: 13	EO Index: 6805	Dates Last Seen
Occ Rank:	Good		Element: 1995-04-23
Origin:	Natural/Native occurrence		Site: 1995-04-23
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-09-06
Quad Summary:	: Dozier (3812137/498D)		
County Summary	: Solano		
Lat/Long:	38.25829º / -121.80450º		Township: 05N
UTM:	Zone-10 N4235149 E604593		Range: 02E
Area:	1.6 acres	Mapping PrecisionSPECIFIC	Section: 19 Qtr: SW
Elevation:	: 10 ft	Symbol Type:POLYGON	Meridian: M
Threat:	ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, E POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO	ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE	S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR
Threat: General:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, I POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR
Threat: General:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, I POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR
Threat: General: Owner/Manager Occurrence No	GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANT DFG-CALHOUN CUT ER . 46 Map Index: 24	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen —
Threat: General: Owner/Manager Occurrence No Occ Rank:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, f POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS DFG-CALHOUN CUT ER . 46 Map Index: 24 Good	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. —— Dates Last Seen —— Element: 1990-04-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, I : POSSIBLE GRAZING, COMPETITI : SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 Map Index: 24 Good Natural/Native occurrence	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen —
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANT DFG-CALHOUN CUT ER 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	LOUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, f POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS DFG-CALHOUN CUT ER 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT, CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. —— Dates Last Seen —— Element: 1990-04-08
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, f : POSSIBLE GRAZING, COMPETITI : SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANT : DFG-CALHOUN CUT ER : 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	LOUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANT COLONY: <100 PLANT DFG-CALHOUN CUT ER . 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059°	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 Township: 05N
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, f POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 <b>Map Index:</b> 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059° Zone-10 N4235639 E603180	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810	COUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, f POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 <b>Map Index</b> : 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059° Zone-10 N4235639 E603180 80 meters	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19	OUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 Township: 05N
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER . 46 <b>Map Index</b> : 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059° Zone-10 N4235639 E603180 80 meters : 15 ft	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810 Mapping PrecisionSPECIFIC Symbol Type:POINT	LOUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E Section: 24 Qtr: <i>N</i> Meridian: M
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059° Zone-10 N4235639 E603180 80 meters : 15 ft : BETWEEN OLCOTT LAKE AND CA	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810 Mapping PrecisionSPECIFIC Symbol Type:POINT ALHOUN CUT, APPROXIMATELY 200 METERS EAST	LOUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E Section: 24 Qtr: <i>N</i> Meridian: M
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER 46 <b>Map Index</b> : 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287° / -121.82059° Zone-10 N4235639 E603180 80 meters : 15 ft : BETWEEN OLCOTT LAKE AND C/ : COOK LANE IS ROAD RUNNING F	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810 Mapping PrecisionSPECIFIC Symbol Type:POINT ALHOUN CUT, APPROXIMATELY 200 METERS EAST NORTH-SOUTH THROUGH OLCOTT. FORMERLY TN N SPACE ON 8/97. TNC RETAINS CONSERVATION E	COUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E Section: 24 Qtr: <i>N</i> Meridian: M F OF COOK LANE. IC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SC
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER . 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287°/-121.82059° Zone-10 N4235639 E603180 80 meters : 15 ft : BETWEEN OLCOTT LAKE AND CA COOK LANE IS ROAD RUNNING N COUNTY FARMLANDS AND OPEN	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810 Mapping PrecisionSPECIFIC Symbol Type:POINT ALHOUN CUT, APPROXIMATELY 200 METERS EAST NORTH-SOUTH THROUGH OLCOTT. FORMERLY TN N SPACE ON 8/97. TNC RETAINS CONSERVATION E IRNAL POOLS, AND RUTS IN THE DIRT ROADS.	COUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E Section: 24 Qtr: <i>N</i> Meridian: M F OF COOK LANE. IC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SC ASEMENT.
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	: GROWING IN SMALL VERNAL MA ASSOCIATED WITH LEGENERE L PLAGIOBOTHRYS UNDULATUS, F POSSIBLE GRAZING, COMPETITI SITE IS WITHIN THE DFG CALHO IN 1994. S COLONY: <100 PLANTS : DFG-CALHOUN CUT ER . 46 Map Index: 24 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26287°/-121.82059° Zone-10 N4235639 E603180 80 meters : 15 ft : BETWEEN OLCOTT LAKE AND CA COOK LANE IS ROAD RUNNING N COUNTY FARMLANDS AND OPEN	IMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES ET AL. ION FROM WEEDY PHYLA NODIFLORA, AND REDUC UN CUT ECOLOGICAL RESERVE. N COLONY: HUNE S IN 1990. COLLECTED HERE BY SCHULTHEIS IN 19 759 EO Index: 6810 Mapping PrecisionSPECIFIC Symbol Type:POINT ALHOUN CUT, APPROXIMATELY 200 METERS EAST NORTH-SOUTH THROUGH OLCOTT. FORMERLY TN N SPACE ON 8/97. TNC RETAINS CONSERVATION E	COUGH ON HIGHER GROUND. S, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICAT. CTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD DREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GR 995. — Dates Last Seen — Element: 1990-04-08 Site: 1990-04-08 Record Last Updated: 1993-11-11 — Township: 05N Range: 01E Section: 24 Qtr: <i>N</i> Meridian: M F OF COOK LANE. IC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SC ASEMENT.

dwarf downingia	JS	NDDB Element Ranks	Element Code: PDCAM0 Other L	.ists ———	
Federal: None State: None		Global: G3 State: S3.1	с	NPS List: 2.2	
	sociations AND FOOTHILL GRASSLAND (MESIC SI	TES) VERNAL POOLS			
	L LAKE AND POOL MARGINS WITH A VAF		RAL TYPES OF VERNAL POOLS.	1-485M.	
Occurrence No.	•	EO Index: 680	8	Dates La	
Occ Rank: Origin:	Good Natural/Native occurrence				1990-04-08 1990-04-08
Presence:	Presumed Extant Unknown		Recor	rd Last Updated:	2008-02-13
Quad Summary: County Summary:	Dozier (3812137/498D)				
			<b>-</b>		
-	38.25952º / -121.81433º Zone-10 N4235274 E603731			nship: 05N ange: 01E	
Area: Elevation:	10.0 acres 10 ft	Mapping PrecisionS Symbol Type:P	PECIFIC Se	ction: 24 idian: M	Qtr: SE
Location:	ALONG MARGINS OF NORTHERN ARM	OF CALHOUN CUT, JUST WEST C	F HIGHWAY 113.		
Location Detail	TWO COLONIES APPROXIMATELY 1.7 M PRESERVE; TRANSFERRED TO SOLAN				
Ecological	GROWING IN HOGWALLOWS, VERNAL	POOLS, AND RUTS IN THE DIRT F	ROADS.		
General:	10,000+ PLANTS ESTIMATED IN 1990 BE	ETWEEN THIS OCCURRENCE AND	O OCCURRENCES #3, 38, 46, 48 A	ND 126 COMBIN	NED.
Owner/Manager:	SOLANO LAND TRUST				
Occurrence No.	. 48 Map Index: 24762	EO Index: 680	4	Dates La	st Seen
Occ Rank:	Good				1990-04-08
-	Natural/Native occurrence Presumed Extant			Site:	1990-04-08
	Unknown		Recor	rd Last Updated:	1993-11-11
Quad Summary: County Summary:	Dozier (3812137/498D) : Solano				
Lat/Long:	38.27140º / -121.80839º		Том	nship: 05N	
	Zone-10 N4236599 E604235			ange: 01E	
Radius: Elevation:	80 meters 10 ft	Mapping PrecisionS Symbol Type:P		ction: 13 idian: M	Qtr: SE
Location:	0.7 MILE EAST OF OLCOTT LAKE.				
Location Detail	MAPPED WITHIN THE SE 1/4 OF THE SE BARKER SLOUGH. FORMERLY TNC JEF				
Ecological	GROWING IN HOGWALLOWS, VERNAL	POOLS, AND RUTS IN THE DIRT F	ROADS.		
General:	10,000+ PLANTS ESTIMATED IN 1990 BE	ETWEEN THIS OCCURRENCE AND	O OCCURRENCES #3, 38, 46, 47,	AND 126 COMBI	NED.
Owner/Manager:	SOLANO LAND TRUST				
Occurrence No.	92 Map Index: 39023	EO Index: 340	30		st Seen
Occ Rank: Origin:	Fair Natural/Native occurrence				1998-05-08 1998-05-08
Presence:	Presumed Extant Unknown		Recor	rd Last Updated:	
Quad Summary:	Allendale (3812148/498B)				
County Summary:	: Solano				
-	38.39767º / -121.94467º			nship: 06N	
	Zone-10 N4250466 E592153 3.3 acres	Mapping PrecisionS		ange: 01W ction: 02	Qtr: XX
Elevation:		Symbol Type:P		idian: M	
Location:	ABOUT 1.5 MILES WSW OF VACA DIXO	N SUBSTATION, 0.2 MILE EAST OF	FI-505, 0.6 MILE WEST OF LEISU	RE TOWN ROAD	).
Ecological	AMONG DENSE ELEOCHARIS MACROS	TACHYA, CALLITRICHE MARGINA	TA, AND LASTHENIA GLABERRIN	٧A.	
			DRY-FARMED IN THE PAST.		

lwarf downingia		El	lement Code: PDCAM060C0		
Stat	us —	NDDB Element Ranks	Other Lists		
Federal: None		Global: G3	CNPS L	.ist: 2.2	
State: None		State: S3.1			
Habitat A	ssociations —				
General: VALLE	Y AND FOOTHILL GRASSLAND (MESI	IC SITES), VERNAL POOLS.			
Micro: VERNA	L LAKE AND POOL MARGINS WITH A	VARIETY OF ASSOCIATES. IN SEVERAL TYPES	S OF VERNAL POOLS. 1-485	M.	
Occurrence No	<b>6.</b> 112 <b>Map Index:</b> 5468	36 <b>EO Index:</b> 54686		Dates Las	t Seen
Occ Rank	•			Element:	2003-04-30
	: Natural/Native occurrence			Site:	2003-04-30
Presence	: Presumed Extant				
Trend	: Unknown		Record Las	t Updated:	2004-03-11
Quad Summary	: Dozier (3812137/498D)				
County Summary	/: Solano				
Lat/Long	: 38.29542º/-121.80140º		Township:	05N	
	Zone-10 N4239273 E604811		Range:		
	: 80 meters	Mapping PrecisionSPECIFIC	Section:		Qtr: NW
Elevation	: 15 ft	Symbol Type:POINT	Meridian:	М	
Ecologica Threat General	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH : GRAZING, TRAMPLING, AND DUNG : 10,000+ INDIVIDUALS OBSERVED II	Y IN THE SW 1/4 OF THE NW 1/4 OF SECTION 7. DNDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS		
Ecologica Threat General	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH : GRAZING, TRAMPLING, AND DUNG	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA IENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 8 FROM GOATS AND SHEEP ON SITE.	NCOLOR, PLAGIOBOTHRYS		
Ecologica Threat General	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH : GRAZING, TRAMPLING, AND DUNG : 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS		S, LASTHENIA
Ecologica Threat General Owner/Manager	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES     Map Index: 5468	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS RE.	STIPITATU Dates Las	S, LASTHENIA
Ecologica Threat General Owner/Manager Occurrence No Occ Rank	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES     Map Index: 5468	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS RE.	STIPITATU Dates Las	s, LASTHENIA
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES     113     Map Index: 5468     Good     Natural/Native occurrence     Presumed Extant	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS	STIPITATU Dates Las Element: Site:	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES     113 Map Index: 5468     Good     Natural/Native occurrence	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS RE.	STIPITATU Dates Las Element: Site:	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES     113     Map Index: 5468     Good     Natural/Native occurrence     Presumed Extant	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS	STIPITATU Dates Las Element: Site:	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES 113 Map Index: 5468 113 Map Index: 5468 113 Presumed Extant Unknown Elmira (3812138/498C)	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS	STIPITATU Dates Las Element: Site:	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) 7: Solano 38.26571º / -121.88056°	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township:	Dates Las Element: Site: t Updated: 05N	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) /: Solano 38.26571° / -121.88056° Zone-10 N4235890 E597929	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON S FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range:	Dates Las Element: Site: t Updated: 05N 01E	t Seen 2003-04-15 2003-04-15 2004-03-11
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) r: Solano 38.26571º / -121.88056º Zone-10 N4235890 E597929 80 meters	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687 Mapping PrecisionSPECIFIC	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range: Section:	Dates Las Element: Site: t Updated: 05N 01E 20	s, LASTHENIA t Seen 2003-04-15 2003-04-15
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) r: Solano 38.26571º / -121.88056º Zone-10 N4235890 E597929 80 meters	ONDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON 5 FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range:	Dates Las Element: Site: t Updated: 05N 01E 20	t Seen 2003-04-15 2003-04-15 2004-03-11
Ecologica Threat General Owner/Manager Occurrence No Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Cone-10 N4235890 E597929 80 meters 40 ft EAST OF TRAVIS AIR FORCE BASE	DIDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON S FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687 Mapping PrecisionSPECIFIC Symbol Type:POINT E, APPROXIMATELY 0.4 AIR MILE EAST OF POWE	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range: Section: Meridian:	Dates Las Element: Site: t Updated: 05N 01E 20 M	t Seen 2003-04-15 2003-04-15 2004-03-11
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano Sola	DIDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON S FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687 Mapping PrecisionSPECIFIC Symbol Type:POINT E, APPROXIMATELY 0.4 AIR MILE EAST OF POWE	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range: Section: Meridian:	Dates Las Element: Site: t Updated: 05N 01E 20 M	t Seen 2003-04-15 2003-04-15 2004-03-11
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) /: Solano 38.26571° / -121.88056° Zone-10 N4235890 E597929 80 meters 40 ft EAST OF TRAVIS AIR FORCE BASE II: ONE COLONY MAPPED IN THE SE	DIDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON S FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687 Mapping PrecisionSPECIFIC Symbol Type:POINT E, APPROXIMATELY 0.4 AIR MILE EAST OF POWE	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range: Section: Meridian: ERLINES, JUST NORTH OF JI 30THRYS STIPITATUS, P. BF	STIPITATU Dates Las Element: Site: t Updated: 05N 01E 20 M EEP TRAIL. REVISSIMU	t Seen 2003-04-15 2003-04-15 2004-03-11 Qtr: NE S, AND DOWNI
Ecologica Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Detai Ecologica	I: LARGE ALKALINE PLAYA POOL, PC POOL SPECIES, INCLUDING LASTH GRAZING, TRAMPLING, AND DUNG 10,000+ INDIVIDUALS OBSERVED II r: PVT-WETLANDS RESOURCES 113 Map Index: 5468 Good Natural/Native occurrence Presumed Extant Unknown E Elmira (3812138/498C) r: Solano 38.26571º / -121.88056º Zone-10 N4235890 E597929 80 meters 40 ft EAST OF TRAVIS AIR FORCE BASE II: ONE COLONY MAPPED IN THE SE II: VERNAL POOL / SWALE ON SOLAN SSP. RARE PLANTS NEAR THIS SIT TENER.	DIDED TO ABOUT 50% IN NON-NATIVE GRASSLA HENIA FREMONTII, DOWNINGIA INSIGNIS, D. CON S FROM GOATS AND SHEEP ON SITE. N 2003. RARE ATRIPLEX CORDULATA ALSO HER 37 EO Index: 54687 Mapping PrecisionSPECIFIC Symbol Type:POINT E, APPROXIMATELY 0.4 AIR MILE EAST OF POWE 1/4 OF THE NE 1/4 OF SECTION 20. NO LOAM WITH LASTHENIA FREMONTII, PLAGIOE	NCOLOR, PLAGIOBOTHRYS RE. Record Las Township: Range: Section: Meridian: ERLINES, JUST NORTH OF JI BOTHRYS STIPITATUS, P. BF DCEPHALA SSP. BAKERI, AN	STIPITATU Dates Las Element: Site: t Updated: 05N 01E 20 M EEP TRAIL. REVISSIMU	t Seen 2003-04-15 2003-04-15 2004-03-11 Qtr: NE S, AND DOWNI

Owner/Manager: PVT

dwarf downingia			Element Coo	le: PDCAM060C0		
Status	s ———	NDDB Element Ranks		— Other Lists –		
Federal: None		Global: G3		CNPS List	t: 2.2	
State: None		State: S3.1				
Habitat Ass	ociations —					
General: VALLEY	AND FOOTHILL GRASSLAND (	MESIC SITES), VERNAL POOLS.				
Micro: VERNAL	LAKE AND POOL MARGINS W	ITH A VARIETY OF ASSOCIATES. IN	SEVERAL TYPES OF VERN	AL POOLS. 1-485M.		
Occurrence No.	126 Map Index:	70819 EO Index	:: 71733	— c	ates Las	st Seen ——
Occ Rank:				El		1995-04-23
•	Natural/Native occurrence				Site:	1995-04-23
	Presumed Extant Unknown			Record Last U	ndated	2008-02-13
Trend:	Unknown				puuteu.	2000 02 10
Quad Summary:	Dozier (3812137/498D)					
County Summary:	Solano					
Lat/Long:	38.28208º / -121.82253º			Township: (	05N	
	Zone-10 N4237768 E602983			Range: (		
	9.0 acres		isionSPECIFIC	Section:		Qtr: NW
Elevation:	20 ft	Symbol	Type:POLYGON	Meridian:	N	
Location:	JUST SOUTH OF BARKER SLO	OUGH, BETWEEN COOK LANE AND T	HE RAILROAD TRACKS, JEI	PSON PRAIRIE.		
Location Detail:	IN THE NW 1/4 OF THE NW 1/4	OF SECTION 13.				
Ecological:	VERNAL POOLS.					

Status       NDDB Element Ranks         Federal: None       Global: G1G3         State: None       State: S1         Habitat Associations	Elemer	Last Seen t: 2006-01-09 e: 2006-01-09 ed: 2006-07-20
State: None       State: S1         Habitat Associations	Dates Elemer Sit	t: 2006-01-09 e: 2006-01-09
Habitat Associations     General: VERNAL POOLS. IN CALIFORNIA, KNOWN ONLY FROM MATHER FIELD.     Micro:      Occurrence No. 2 Map Index: 65266 EO Index: 65345     Occ Rank: Good     Origin: Natural/Native occurrence     Presence: Presumed Extant     Trend: Unknown      Quad Summary: Denverton (3812128/481B)     County Summary: Solano      Lat/Long: 38.24442° / -121.96853°     UTM: Zone-10 N4233437 E590259     Area: 14.0 acres Mapping PrecisionSPECIFIC	Elemer Sit	t: 2006-01-09 e: 2006-01-09
General: VERNAL POOLS. IN CALIFORNIA, KNOWN ONLY FROM MATHER FIELD. Micro: Occurrence No. 2 Map Index: 65266 EO Index: 65345 Occ Rank: Good Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Quad Summary: Denverton (3812128/481B) County Summary: Solano Lat/Long: 38.24442° / -121.96853° UTM: Zone-10 N4233437 E590259 Area: 14.0 acres Mapping PrecisionSPECIFIC	Elemer Sit	t: 2006-01-09 e: 2006-01-09
Micro: Occurrence No. 2 Map Index: 65266 EO Index: 65345 Occ Rank: Good Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Quad Summary: Denverton (3812128/481B) County Summary: Solano Lat/Long: 38.24442°/-121.96853° UTM: Zone-10 N4233437 E590259 Area: 14.0 acres Mapping PrecisionSPECIFIC	Elemer Sit	t: 2006-01-09 e: 2006-01-09
Occurrence No. 2       Map Index: 65266       EO Index: 65345         Occ Rank: Good       Origin: Natural/Native occurrence       Environment         Origin: Natural/Native occurrence       Presence: Presumed Extant       Environment         Trend: Unknown       Unknown       County Summary: Denverton (3812128/481B)         County Summary: Denverton (3812128/481B)       County Summary: Solano         Lat/Long: 38.24442° / -121.96853°       UTM: Zone-10 N4233437 E590259         Area: 14.0 acres       Mapping PrecisionSPECIFIC	Elemer Sit	t: 2006-01-09 e: 2006-01-09
Occ Rank: Good         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Denverton (3812128/481B)         County Summary: Solano         Lat/Long: 38.24442° / -121.96853°         UTM: Zone-10 N4233437 E590259         Area: 14.0 acres         Mapping PrecisionSPECIFIC	Elemer Sit	t: 2006-01-09 e: 2006-01-09
Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Denverton (3812128/481B)         County Summary: Solano         Lat/Long: 38.24442° / -121.96853°         UTM: Zone-10 N4233437 E590259         Area: 14.0 acres       Mapping PrecisionSPECIFIC	Sit	e: 2006-01-09
Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Denverton (3812128/481B)         County Summary:       Solano         Lat/Long:       38.24442°/-121.96853°         UTM:       Zone-10 N4233437 E590259         Area:       14.0 acres         Mapping PrecisionSPECIFIC		
Trend:         Unknown           Quad Summary:         Denverton (3812128/481B)           County Summary:         Solano           Lat/Long:         38.24442°/-121.96853°           UTM:         Zone-10 N4233437 E590259           Area:         14.0 acres           Mapping PrecisionSPECIFIC	Record Last Updat	ed: 2006-07-20
Quad Summary:         Denvertion (3812128/481B)           County Summary:         Solano           Lat/Long:         38.24442°/-121.96853°           UTM:         Zone-10 N4233437 E590259           Area:         14.0 acres         Mapping PrecisionSPECIFIC		<b>50.</b> 2000-07-20
Lat/Long:         38.24442° / -121.96853°           UTM:         Zone-10 N4233437 E590259           Area:         14.0 acres		
Lat/Long: 38.24442º / -121.96853º UTM: Zone-10 N4233437 E590259 Area: 14.0 acres Mapping PrecisionSPECIFIC		
UTM:         Zone-10 N4233437 E590259           Area:         14.0 acres           Mapping PrecisionSPECIFIC		
Area: 14.0 acres Mapping PrecisionSPECIFIC	Township: 05N	
	Range: 01W	
Elevation: 26 ft Symbol Type: POLYGON	Section: 27	Qtr: XX
	Meridian: M	
Location: SW CORNER OF TRAVIS AFB NEAR SOUTH GATE ENTRANCE, JUST N OF SCANDIA RD, ABOUT 3.	7 MI E OF FAIRFIELD	AND 1 MI N HWY 12
Ecological: VERNAL POOLS WITHIN GRAZED PASTURE LAND; LARGE BROAD POOLS WITH SCATTERED CYP MACROSTACHYA, AND GLYCERIA OCCIDENTALIS. ANTIOCH-SAN YSIDRO COMPLEX SOIL TYPE; SOLANO CO.)		
Threat: MOSQUITOFISH (GAMBUSIA AFFINIS) INADVERTANTLY INTRODUCED INTO AREA IN 2006.		
General: 100'S OF ADULTS OBSERVED.		

white-tailed kite	us	NDDB Element Ranks	Element Code: ABNKC06010 Other Lists	
Federal: None State: None		Global: G5 State: S3	CDFG Status:	
	G FOOTHILLS AND VALLEY MARGINS W		OTTOMLANDS OR MARSHES NEXT TO DECIDI ATED, DENSE-TOPPED TREES FOR NESTING /	
-	•	<b>EO Index:</b> 6354	Element	ast Seen : 1993-06-22 1993-06-22
	Unknown		Record Last Update	<b>d:</b> 1994-01-31
Quad Summary: County Summary	: Dixon (3812147/498A) : Solano			
UTM:	38.40678° / -121.85894° Zone-10 N4251566 E599627 80 meters 60 ft	Mapping PrecisionSF Symbol Type:PC		Qtr: SW
Location	EAST SIDE OF BATAVIA ROAD, 0.7 MILE	SOUTH OF MIDWAY ROAD, 6 MIL	ES EAST OF ELMIRA.	
-			PASTURE ALONG A SMALL RIPARIAN AREA. SO NEST IN THIS AREA, WERE REPEATEDLY C	HASED BY THE ADULT
Owner/Manager	: UNKNOWN			
Presence:	•	<b>EO Index:</b> 2703	Element	ast Seen : 1993-05-15 1993-05-15 d: 1994-01-31
Quad Summary: County Summary	: Saxon (3812146/497B) : Solano			
UTM:	38.41486° / -121.72216° Zone-10 N4252619 E611558 80 meters 30 ft	Mapping PrecisionSF Symbol Type:PC		Qtr: NW
Location	SW CORNER OF THE INTERSECTION C	F MIDWAY AND BULKLEY ROADS	, 10.5 MILES EAST OF DIXON.	
Ecological	HABITAT CONSISTS OF VARIOUS EUCA COMPOUND FOR FARM WORKERS.	ALYPTUS, PINE, AND POPLARS, BO	ORDERED BY FALLOW PASTURE THAT IS PAR	T OF A HOUSING
	THREATENED BY HUMAN ACTIVITIES, 3 2 ADULTS FLEDGED 4 YOUNG IN 1993; SWAINSON'S HAWK DOMINATION OF T	2ND, 3RD, 4TH, AND 5TH KITE NE	STS TO THE EAST AND WEST OF THIS NEST F	AILED DUE TO
Owner/Manager	: PVT			
Presence:	•	EO Index: 118(		
Quad Summary: County Summary	: Saxon (3812146/497B) : Yolo, Solano			
UTM:	38.49283° / -121.69287° Zone-10 N4261307 E613992 1/5 mile 30 ft	Mapping PrecisionNC Symbol Type:PC		Qtr: SW
	EAST SIDE OF ROAD 104, SOUTH OF T			
Ecological	NEST TREE IS A EUCALYPTUS WITHIN AGRICULTURAL FIELDS TO THE NORTI		AT CONSISTS OF "MANAGED" NATIVE VEGETA	TION, BORDERED BY
	2 ADULTS ELEDGED 2 VOUNC IN 1002	NESTING SWAINSON'S HAWK NE	ARBY SOMETIMES OBSERVED IN CONFLICT W	ITH THE KITES (AI WA

white-tailed kite			Element Code: ABNKC06010	
Federal: None State: None	us ————	NDDB Element Ranks     Global: G5     State: S3	CDFG Status:	
	ssociations			
			TTOMLANDS OR MARSHES NEXT TO DEC TED, DENSE-TOPPED TREES FOR NESTIN	
Occurrence No		7 <b>EO Index:</b> 4609		es Last Seen
Occ Rank: Origin:	: Fair : Natural/Native occurrence			ent: 2001-06-14 site: 2001-06-14
Presence	Presumed Extant Unknown			ated: 2001-10-10
	: Allendale (3812148/498B)			
County Summary				
-	: 38.38734º / -121.92388º Zone-10 N4249341 E593982		Township: 06N Range: 01V	
	80 meters	Mapping PrecisionSPI	ECIFIC Section: 12	Qtr: NE
Elevation	: 80 ft	Symbol Type:PO	NT Meridian: M	
	1:2000 NEST TREE WAS THE FOURTH	HTREE EAST OF THE DRIVE TO #5165.	0, ALONG THE NORTH EDGE OF VACAVILI 2001 NEST TREE WAS A WILLOW NORTH	
Ecological	SOUTH OF THE IRRIGATION CANAL		UNDING AREA CONSISTS OF SOME PAST	URE SOUTH AND WES
General	RUDERAL TO THE NORTH WITH NE PAIR NESTED IN 2000. NEST SITE W		2001 (3 VISITS); 2 CHICKS OBSERVED ON	27 MAY 2001, 2 YOUN
Owner/Manager	FLEDGED.			
Occurrence No		9 <b>EO Index:</b> 46099		es Last Seen
	: Excellent : Natural/Native occurrence			ent: 2001-07-09 lite: 2001-07-09
Presence	Presumed Extant			ated: 2001-10-10
Quad Summary	: Allendale (3812148/498B)			
County Summary	r: Solano			
Lat/Long	: 38.37983º/-121.89208º		Township: 06N	
	Zone-10 N4248540 E596769		Range: 01E	
Radius: Elevation	: 80 meters : 60 ft	Mapping PrecisionSPI Symbol Type:PO		Qtr: SW
Location	: 0.25 MILE EAST OF LEWIS ROAD, 6	MILES SW OF DIXON		
		MILES SW OF DIXON ROAD FARMSTEAD #6654, WITHIN A R	OW OF OSAGE ORANGES.	
Location Detai	I:NEST TREE IS LOCATED ON LEWIS			
Location Detai Ecological	I: NEST TREE IS LOCATED ON LEWIS I: NEST TREE IS IN AN OSAGE ORANG	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER D		
Location Detai Ecological	II:NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG : NEST SITE WAS MONITORED FROM	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER D	OOWN IN THE SAME ROW OF TREES.	
Location Detai Ecological General:	II:NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG : NEST SITE WAS MONITORED FROM :: PVT	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OOWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED.	es Last Seen
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank:	I: NEST TREE IS LOCATED ON LEWIS I: NEST TREE IS IN AN OSAGE ORANG : NEST SITE WAS MONITORED FROM :: PVT 0. 97 Map Index: 6593 : Good	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. Date Elem	ent: 2004-05-XX
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	II:NEST TREE IS LOCATED ON LEWIS II:NEST TREE IS IN AN OSAGE ORANG : NEST SITE WAS MONITORED FROM : PVT . 97 Map Index: 6593 : Good : Natural/Native occurrence	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. Date Elem	
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence:	I: NEST TREE IS LOCATED ON LEWIS I: NEST TREE IS IN AN OSAGE ORANG : NEST SITE WAS MONITORED FROM :: PVT 0. 97 Map Index: 6593 : Good	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. Date Elem	ent: 2004-05-XX Site: 2004-05-XX
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT 97 Map Index: 6593 II: Good II: Native occurrence II: Presumed Extant II: Unknown II: Fairfield South (3812221/482A)	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D — Date Elem S	ent: 2004-05-XX iite: 2004-05-XX
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT 97 Map Index: 6593 II: Good II: Native occurrence II: Presumed Extant II: Unknown II: Fairfield South (3812221/482A)	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D — Date Elem S	ent: 2004-05-XX Site: 2004-05-XX
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	II:NEST TREE IS LOCATED ON LEWIS II:NEST TREE IS IN AN OSAGE ORANG II:NEST SITE WAS MONITORED FROM II: PVT . 97 Map Index: 6593 II:Good II:Natural/Native occurrence II:Presumed Extant II:Unknown II: Fairfield South (3812221/482A) II:Solano II: 38.22624° / -122.10698°	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D Date Elem S Record Last Upd Township: 04M	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT A 97 Map Index: 6593 II: Good II: Natural/Native occurrence II: Presumed Extant II: Unknown II: Fairfield South (3812221/482A) II: Solano II: 38.22624° / -122.10698° Zone-10 N4231295 E578163	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK 1 EO Index: 66010	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D Date Elem S Record Last Upd Township: 04h Range: 02V	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT 97 Map Index: 6593 II: Good II: Natural/Native occurrence Presumed Extant Unknown II: Fairfield South (3812221/482A) II: Solano II: 38.22624° / -122.10698° Zone-10 N4231295 E578163 II: 1/10 mile	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK;	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT 97 Map Index: 6593 II: Good II: Natural/Native occurrence Presumed Extant Unknown II: Fairfield South (3812221/482A) II: Solano II: 38.22624° / -122.10698° Zone-10 N4231295 E578163 II: 1/10 mile	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK 1 EO Index: 66010 Mapping PrecisionNO Symbol Type:PO	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT . 97 Map Index: 6593 II: Good II: Natural/Native occurrence II: Presumed Extant II: Unknown II: Fairfield South (3812221/482A) II: Solano II: Solano II: 38.22624° / -122.10698° Zone-10 N4231295 E578163 II/10 mile II: 20 ft	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E 1 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK; 1 EO Index: 66010 Mapping PrecisionNO Symbol Type:PO UT 0.5 MI SOUTH OF I-80.	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21
Location Detai Ecological General Owner/Manager Occurrence No Occ Ranks Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	II: NEST TREE IS LOCATED ON LEWIS II: NEST TREE IS IN AN OSAGE ORANG II: NEST SITE WAS MONITORED FROM II: PVT . 97 Map Index: 6593 II: Good II: Natural/Native occurrence II: Presumed Extant II: Unknown II: Fairfield South (3812221/482A) II: Solano II: Solano II: Solano II: Solano II: Solano II: Solano II: Solano II: Solano II: Solano II: JUST EAST OF SUISIN CREEK, ABO	ROAD FARMSTEAD #6654, WITHIN A R GE. SWHA NEST IS FOUND FURTHER E I 3 APR-9 JUL 2001 (9 VISITS); 2 CHICK EO Index: 66010 Mapping PrecisionNO Symbol Type:PO UT 0.5 MI SOUTH OF I-80. A LIVE OAK TREE.	OWN IN THE SAME ROW OF TREES. S OBSERVED ON 9 JUL 2001, 2 FLEDGED. D	ent: 2004-05-XX iite: 2004-05-XX ated: 2006-08-21

	1	NDDB Element Ranks Global: G1		Other Lists	
General: RESTRICT		01-1-1 04		CDFG Status:	
General: RESTRICT	alationa	State: S1			
		AL POOLS IN THE GRASSLAND ARE	A BETWEEN JEPSON PRAIRI	E AND TRAVIS AFB	
		VHERE IT SLOPES GENTLY INTO TH			5-100% COVER.
Occurrence No. 2	Map Index: 105	58 EO Index:	23142	Dates	Last Seen
Occ Rank: No	one				t: 1986-XX-XX
•	atural/Native occurrence			Site	: 1986-XX-XX
Presence: Ex Trend: Ur				Record Last Update	ed: 1991-07-24
	ozier (3812137/498D)				
County Summary: So					
-	8.29352º / -121.82053º			Township: 05N	
Radius: 1/	one-10 N4239040 E603141	Mapping Precisio		Range: 01E Section: 12	Qtr: NW
Elevation: 1		Symbol Typ		Meridian: M	QU. 100
Location: 0.6	6 MI N OF DOZIER.				
Ecological: BE	EETLE USES MUD CRACKS NEA	R THE MARGINS OF VERNAL POOL	S AS A REFUGIUM.		
		ED. 5 SPECIMENS COLLECTED IN 19	975 AND 3 ON 11 MAY 1974. 1	93 SEEN IN 1985, 27	SEEN IN 1986 (FEB & M.
AF	RE BEST VIEWING TIMES, BUT F	LOODED OUT IN 1986).			
Owner/Manager: UN	NKNOWN				
Occurrence No. 4	Map Index: 104	51 EO Index:	13327	Dates	Last Seen
Occurrence No. 4 Occ Rank: Go		Lo muex.			t: 2002-02-21
	atural/Native occurrence				: 2002-02-21
-	resumed Extant				
Trend: Flo	luctuating			Record Last Update	<b>d:</b> 2005-06-20
Quad Summary: El	lmira (3812138/498C), Dozier (3812	2137/498D)			
County Summary: So	olano				
Lat/Long: 38	8.26297º / -121.85122º			Township: 05N	
-	one-10 N4235616 E600500			Range: 01E	
	,150.4 acres	Mapping Precisio		Section: 22	Qtr: XX
Elevation: 30	0 ft	Symbol Typ	e:POLYGON	Meridian: M	
Location: JE	EPSON PRAIRIE AND VICINITY, S	OUTHWEST OF DOZIER.			
		AT MANY VERNAL POOLS WITHIN /E ALSO BEEN FOUND ALONG THE			HUNDREDS OF METER
	HE ENTIRE GRASSLAND/VERNAI OOR.	L POOL MATRIX SHOULD BE CONSI	IDERED BEETLE HABITAT; QI	JALITY OF HABITAT I	RANGES FROM GOOD 1
	HREATS INCLUDE AGRICULTUR/ ODIFLORA.	AL CONVERSION, HEAVY GRAZING	, HOUSING DEVELOPMENT 8	RAPID SPREAD OF	THE WEED LIPIA
					N 8/97. IN 1989, 10
		OOL DURING 9 HRS OF OBSERVATI		LL DATO.	
Owner/Manager: SC	OLANO LAND TRUST				
Occurrence No. 5	Map Index: 418	EO Index:	41827		Last Seen
Occ Rank: Ex					t: 1999-03-11
-	atural/Native occurrence			Site	: 1999-03-11
Presence: Pr Trend: Ur	resumed Extant nknown			Record Last Update	<b>d:</b> 1999-11-01
Quad Summary: Do	ozier (3812137/498D)				
County Summary: So	. ,				
Lat/Long: 38	8.29637º / -121.85295º			Township: 05N	
-	one-10 N4239321 E600302			Range: 01E	
Radius: 80		Mapping Precision	onSPECIFIC	Section: 10	Qtr: NW
Elevation: 30	0 ft	Symbol Typ	e:POINT	Meridian: M	
Location: 1.0	6 MILES WEST OF HWY 113 AND	0.25 MILE SOUTH OF BURKE ROAD	D, 2 MILES WNW OF DOZIER.		
	EETLES OBSERVED FORAGING ROBALY OCCURS ON OTHER PL	IN SPARSE VEGETATION ALONG TH AYAS NEARBY.	HE DAMP MARGIN OF THE PO	JOL. THIS WAS ONLY	SITE SURVEYED,
		D & TURBID VERNAL POOL ON SOL ATTLE. BRANCHINECTA CONSERVA			

Delta green ground beetle		Element Code: IICOL36010
Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G1	CDFG Status:
State: None	State: S1	
Habitat Associations —		

Occurrence No.	6 Map Index:	61647 EO Index: 61683	Dates Last Sec	en ———
Occ Rank:	Unknown		Element: 200	2-02-21
•	Natural/Native occurrence		Site: 200	2-02-21
	Presumed Extant		Percent Least Undeted. 200	E 06 20
Trend:	Unknown		Record Last Updated: 200	5-06-20
Quad Summary:	Elmira (3812138/498C)			
County Summary:	Solano			
-	38.26016º / -121.89766º		Township: 05N	
• • • • • •	Zone-10 N4235255 E596440		Range: 01E	
	4.8 acres	Mapping PrecisionSPE		tr: XX
Elevation:	37 ft	Symbol Type:POL	YGON Meridian: M	
Location:	ABOUT 4.6 MILES SOUTHWES	T OF DOZIER.		
Location Detail	VERNAL POOL #11.			
General:	NUMBER OF INDIVIDUALS NO	T RECORDED.		
Owner/Manager:	UNKNOWN			
Occurrence No.	7 Map Index:	61648 <b>EO Index</b> : 61684	Dates Last Se	en ———
Occ Rank:	•		Element: 200	2-02-21
	•			2-02-21 2-02-21
Origin:	Unknown		Site: 200	2-02-21
Origin: Presence:	Unknown Natural/Native occurrence			2-02-21
Origin: Presence: Trend:	Unknown Natural/Native occurrence Presumed Extant		Site: 200	2-02-21
Origin: Presence: Trend:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C)		Site: 200	2-02-21
Origin: Presence: Trend: Quad Summary: County Summary:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C)		Site: 200	2-02-21
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735		Site: 200 Record Last Updated: 200 Township: 05N Range: 01E	2-02-21 5-06-20
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735 21.7 acres	Mapping PrecisionSPE	Site: 200 Record Last Updated: 200 Township: 05N Range: 01E CIFIC Section: 30 Q	2-02-21
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735 21.7 acres	Mapping PrecisionSPE Symbol Type:POL	Site: 200 Record Last Updated: 200 Township: 05N Range: 01E CIFIC Section: 30 Q	2-02-21 5-06-20
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735 21.7 acres	Symbol Type:POL	Site: 200 Record Last Updated: 200 Township: 05N Range: 01E CIFIC Section: 30 Q	2-02-21 5-06-20
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation: Location:	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735 21.7 acres 47 ft ABOUT 5.0 MILES SOUTHWES	Symbol Type:POL	Township: 05N Range: 01E CIFIC Section: 30 QGON Meridian: M	2-02-21 5-06-20
Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail	Unknown Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.25712° / -121.90577° Zone-10 N4234910 E595735 21.7 acres 47 ft ABOUT 5.0 MILES SOUTHWES	Symbol Type:POL ST OF DOZIER. ND NORTHWEST EDGES OF VERNAL POOL #1	Township: 05N Range: 01E CIFIC Section: 30 QGON Meridian: M	2-02-21 5-06-20

elta green ground beetle		ment Code: IICOL36010
Status	NDDB Element Ranks Global: G1 State: S1	CDFG Status:
Habitat Associations		
	VERNAL POOLS IN THE GRASSLAND AREA BETWEEN JE	
MICTO: PREFERS THE SANDY MUD SUBST	RATE WHERE IT SLOPES GENTLY INTO THE WATER, WIT	H LOW-GROWING VEGETATION, 25-100% COVER.
Occurrence No. 8 Map Inde	ex: 61649 EO Index: 61685	Dates Last Seen
Occ Rank: Unknown		Element: 2002-02-21
Origin: Natural/Native occurrence		Site: 2002-02-21
Presence: Presumed Extant		
Trend: Unknown		Record Last Updated: 2005-06-20
Quad Summary: Denverton (3812128/481B)		
County Summary: Solano		
Lat/Long: 38.24766° / -121.88685°		Township: 05N
UTM: Zone-10 N4233880 E59740	3	Range: 01E
Area: 23.9 acres	Mapping PrecisionSPECIFIC	Section: 29 Qtr: XX
Elevation: 36 ft	Symbol Type:POLYGON	Meridian: M
Location: ABOUT 4.6 MILES SOUTH	VEST OF DOZIER.	
Location Detail: VERNAL POOL #14.		
General: NUMBER OF INDIVIDUALS	NOT RECORDED.	
Owner/Manager: UNKNOWN		
Occurrence No. 9 Map Inde	ex: 61650 EO Index: 61686	Dates Last Seen
Occurrence No. 9 Map Inde Occ Rank: Unknown	ex: 61650 EO Index: 61686	Element: 2002-02-21
Origin: Natural/Native occurrence		Site: 2002-02-21
Presence: Presumed Extant		
Trend: Unknown		Record Last Updated: 2005-06-20
Quad Summary: Denverton (3812128/481B)		
County Summary: Solano		
Lat/Long: 38.24640°/-121.88060°		Township: 05N
UTM: Zone-10 N4233747 E59795	1	Range: 01E
Area: 3.5 acres	Mapping PrecisionSPECIFIC	Section: 29 Qtr: XX
Elevation: 36 ft	Symbol Type:POLYGON	Meridian: M
Location: ABOUT 4.3 MILES SOUTH	VEST OF DOZIER.	
Location Detail: VERNAL POOL #16.		
General: NUMBER OF INDIVIDUALS		

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

Vt. Diablo buckwheat			Element	Code: PDPGN085Z0		
Status		NDD	B Element Ranks	Other Lists		
Federal: None		G	lobal: G1	CNPS L	ist: 1B.1	
State: None		:	State: S1.1			
Habitat Association	s					
General: CHAPARRAL, CO	ASTAL SCRUB, VALLE	Y AND FOOTHIL	L GRASSLAND.			
Micro: DRY, EXPOSED C	LAY OR SANDY SUBS	STRATES. 100-6	00M.			
Occurrence No. 8	Map Index:	56465	EO Index: 60629		Dates Las	st Seen —
Occ Rank: Unknown				I	Element:	
Origin: Natural/N					Site:	1888-08-03
Presence: Presumed				<b>–</b> – – – – – – – – – – – – – – – – – –		
Trend: Unknown				Record Last	Updated:	2005-03-16
Quad Summary: Fairfield S	South (3812221/482A)					
County Summary: Solano						
Lat/Long: 38.23849	º/-122.04013º			Township:	05N	
UTM: Zone-10	N4232712 E584000			Range:	02W	
Radius: 3/5 mile			Mapping PrecisionNON-SPECIFIC	Section:	36	Qtr: XX
Elevation:			Symbol Type:POINT	Meridian:	М	
Location: SUISUN	CITY.					
Location Detail: BASED C UNKNOW		M "SUISUN" (EAF	RLE SN) AND MAPPED AS BEST GUESS IN	THE VICINITY OF SUIS	JN CITY. E	EXACT LOCA

· · ·				Code: PMLILOVOCO	
Federal: None	ıs ———		NDDB Element Ranks Global: G2	Other Lists     Other Lists     CNPS List: 1B.2	
State: None			State: S2.2		
Habitat As	sociations —				
General: COAST	AL SCRUB, VALLEY	AND FOOTHILL GRAS	SLAND, COASTAL PRAIRIE.		
Micro: OFTEN	ON SERPENTINE; \	ARIOUS SOILS REPO	RTED THOUGH USUALLY CLAY, IN GRASSLAND. 3	-410M.	
Occurrence No.	1	Map Index: 10545	EO Index: 6793	Dates La	st Seen
Occ Rank:				Element:	1994-03-31
Origin:	Natural/Native occu	irrence		Site:	1994-03-31
	Presumed Extant				
Trend:	Unknown			Record Last Updated:	2007-03-30
Quad Summary:	Dozier (3812137/49	98D)			
County Summary	Solano				
	38.27056º / -121.83			Township: 05N	
	Zone-10 N4236482	2 E602306		Range: 01E	
Area: Elevation:	22.0 acres		Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 23 Meridian: M	Qtr: NE
Threat:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP	(SARIA ERIANTHA, SE 5 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE	JNDS. SCATTERED IN SWALES NEAR EDGE OF VEI NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20	LS ARE PESCADERO CLAY. LC 7 ON 8/97. TNC RETAINS CONS 0 PLANTS ON W AND SW SIDE:	OW RAINFALL IN 1
Threat: General:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP	/SARIA ERIANTHA, SE 5 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST	LS ARE PESCADERO CLAY. LC 7 ON 8/97. TNC RETAINS CONS 0 PLANTS ON W AND SW SIDE:	OW RAINFALL IN 1
Threat: General:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR	/SARIA ERIANTHA, SE 5 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20	LS ARE PESCADERO CLAY. LC 7 ON 8/97. TNC RETAINS CONS 0 PLANTS ON W AND SW SIDE:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S
Threat: General: Owner/Manager:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAH 100+ ON SW SIDE SOLANO LAND TR 3	/SARIA ERIANTHA, SE 5 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2. — Dates La:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S
Threat: General: Owner/Manager: Occurrence No. Occ Rank:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAH 100+ ON SW SIDE SOLANO LAND TR 3	/SARIA ERIANTHA, SE 3 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST Map Index: 10555	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2. — Dates La: Element:	DW RAINFALL IN 1 . EASEMENT. 5, <10,000 ON N S st Seen
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAH 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant	/SARIA ERIANTHA, SE 3 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST Map Index: 10555	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES DES FORMER EO #2. DES FORMER EO #2. Dates Las Element: Site:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu	/SARIA ERIANTHA, SE 3 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST Map Index: 10555	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2. — Dates La: Element:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAH 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant	/SARIA ERIANTHA, SE 3 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST Map Index: 10555 irrence	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES DES FORMER EO #2. DES FORMER EO #2. Dates Las Element: Site:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/48	/SARIA ERIANTHA, SE 3 JEPSON PRAIRIE PR KE, <50 PLANTS OBSE IN 1990; 100+ ON N SI UST Map Index: 10555 irrence	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES DES FORMER EO #2. DES FORMER EO #2. Dates Las Element: Site:	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101º / -121.82	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR KE, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 //////////////////////////////////</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2. Dates Las Element: Site: Record Last Updated: Township: 05N	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR KE, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 //////////////////////////////////</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982	LS ARE PESCADERO CLAY. LC T ON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2. — Dates Las Element: Site: Record Last Updated: Township: 05N Range: 01E	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR KE, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 //////////////////////////////////</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982	LS ARE PESCADERO CLAY. LC T ON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1983-03-20
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile 23 ft	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR KE, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 //////////////////////////////////</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	LS ARE PESCADERO CLAY. LC T ON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN * . EASEMENT. S, <10,000 ON N S st Seen
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAM 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile 23 ft ABOUT 0.5 MILE S	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR KE, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 /// Map Index: 10555 // Map Index: 1</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT :R, JUST WEST OF SACRAMENTO NORTHERN RR,	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN * . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1995-10-11 Qtr: NW E.
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAM 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile 23 ft ABOUT 0.5 MILE S FORMERLY TNC'S	<pre>/SARIA ERIANTHA, SE /S JEPSON PRAIRIE PR (E, &lt;50 PLANTS OBSE IN 1990; 100+ ON N SI /UST Map Index: 10555 /// Map Index: 10555 /// Map Index: 10555 /// Map Index: 10555 /// Map Index: 10555 // Map Index</pre>	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT ER, JUST WEST OF SACRAMENTO NORTHERN RR, ESERVE; TRANSFERRED TO SOLANO COUNTY FAF	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN * . EASEMENT. S, <10,000 ON N S st Seen 1983-03-20 1995-10-11 Qtr: NW E.
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail Ecological:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAP 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile 23 ft ABOUT 0.5 MILE S FORMERLY TNC'S	(SARIA ERIANTHA, SE (JEPSON PRAIRIE PR (E, <50 PLANTS OBSE IN 1990; 100+ ON N SI (UST) Map Index: 10555 (UST) Map Index: 10555 (UST) (2274°	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT ER, JUST WEST OF SACRAMENTO NORTHERN RR, ESERVE; TRANSFERRED TO SOLANO COUNTY FAF	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: County Summary: Lat/Long: UTM: Radius: Elevation: Location Detail Ecological:	ERODIUM, TRIPHY FORMERLY TNC'S ON N SIDE OF LAM 100+ ON SW SIDE SOLANO LAND TR 3 Unknown Natural/Native occu Presumed Extant Unknown Dozier (3812137/49 Solano 38.28101° / -121.82 Zone-10 N4237650 1/5 mile 23 ft ABOUT 0.5 MILE S FORMERLY TNC'S	(SARIA ERIANTHA, SE (JEPSON PRAIRIE PR (E, <50 PLANTS OBSE IN 1990; 100+ ON N SI (UST) Map Index: 10555 (UST) Map Index: 10555 (UST) (2274°	NECIO VULGARE, DISTICHLIS, AND LACTUCA. SOII ESERVE; TRANSFERRED TO SOLANO LAND TRUST RVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 DE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLU EO Index: 21982 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT ER, JUST WEST OF SACRAMENTO NORTHERN RR, ESERVE; TRANSFERRED TO SOLANO COUNTY FAF	LS ARE PESCADERO CLAY. LC TON 8/97. TNC RETAINS CONS D PLANTS ON W AND SW SIDES JDES FORMER EO #2.	DW RAINFALL IN 1 . EASEMENT. S, <10,000 ON N S st Seen

		Elem	ent Code: PMLIL0V0C0
Sta	tus ———	NDDB Element Ranks	Other Lists
Federal: None		Global: G2	CNPS List: 1B.2
State: None		State: S2.2	
Habitat A	ssociations —		
General: COAST	AL SCRUB, VALLEY AND F	OOTHILL GRASSLAND, COASTAL PRAIRIE.	
Micro: OFTEN	I ON SERPENTINE; VARIOU	JS SOILS REPORTED THOUGH USUALLY CLAY, IN GRASSLAN	ND. 3-410M.
Occurrence No	o. 4 Map Ind	dex: 10567 EO Index: 5642	Dates Last Seen
Occ Rank	: Excellent		Element: 2000-03-19
	: Natural/Native occurrence		Site: 2000-03-19
•	: Presumed Extant		
Trend	: Decreasing		Record Last Updated: 2003-06-17
Quad Summary	: Dozier (3812137/498D)		
County Summar	y: Solano		
Lat/Long	: 38.26115º/-121.81460º		Township: 05N
UTM	Zone-10 N4235455 E6037	06	Range: 01E
	: 15.4 acres	Mapping PrecisionSPECIFIC	Section: 24 Qtr: 3
Elevation	: 15 ft	Symbol Type:POLYGON	Meridian: M
Location	: JEPSON PRAIRIE, NORTH	H & WEST OF CALHOUN CUT.	
Location Deta	II: APPROX. 1.2 KM (0.8 MI) (COLONIES) AT CNDDB.	SOUTHEAST OF OLCOTT VERNAL LAKE AND 0.8 KM (0.5 MI) V	WEST OF HWY 113. MAPPED AS MULTIPLE POLY
	. ,		
Ecologica	I: VALLEY BUNCHGRASS G	RASSLAND. MIMA TOPOGRAPHY WITH VERNAL SWALES. NA	
Ecologica	I: VALLEY BUNCHGRASS G	SRASSLAND. MIMA TOPOGRAPHY WITH VERNAL SWALES. NA A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/	
-	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID		ASSES.
Threat	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID, SHEEP GRAZING IS PRE APPROX 25-50 PLANTS II	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J
Threat General	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID, SHEEP GRAZING IS PRE APPROX 25-50 PLANTS II	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GRA SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J
Thread General Owner/Manage	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID, SANICULA BIPINNITAFID, SHEEP GRAZING IS PRES APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TR SOLANO LAND TRUST	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT.
Thread General Owner/Manage Occurrence No	VALLEY BUNCHGRASS G SANICULA BIPINNITAFID.     SHEEP GRAZING IS PRE RAPROX 25-50 PLANTS II PRAIRIE PRESERVE; TRA SOLANO LAND TRUST     42 Map Inc	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. —— Dates Last Seen ——
Threat General Owner/Manage Occurrence No Occ Rank	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: : APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TRA r: SOLANO LAND TRUST 0. 42 Map Inc : Good	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: PRAIRIE PRESERVE; TRA r: SOLANO LAND TRUST 0. 42 Map Inc : Good : Natural/Native occurrence	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. —— Dates Last Seen ——
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: : APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TRA r: SOLANO LAND TRUST 0. 42 Map Inc : Good	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID, SANICULA BIPINNITAFID, SHEEP GRAZING IS PRES PRAIRIE PRESERVE; TRA SOLANO LAND TRUST A 42 Good Natural/Native occurrence Presumed Extant Unknown	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRES : APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Inc : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D)	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRES : APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Inc : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D)	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: : APPROX 25-50 PLANTS II PRAIRIE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Inc : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D) y: Solano	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09 — Township: 05N
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: PRAIRE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Int : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D) y: Solano : 38.26231º / -121.83583° Zone-10 N4235560 E6018	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: PRAIRIE PRESERVE; TRA r: SOLANO LAND TRUST 0. 42 Map Int : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D) y: Solano : 38.26231º / -121.83583° : Zone-10 N4235560 E6018 : 80 meters	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09 Township: 05N Range: 01E
Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. SANICULA BIPINNITAFID. SANICULA BIPINNITAFID. SANEAPROX 25-50 PLANTS II PRAIRIE PRESERVE; TR/ r: SOLANO LAND TRUST O. 42 Map Int Good Natural/Native occurrence Presumed Extant Unknown r: Dozier (3812137/498D) r: Solano Sol	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791 47 Mapping PrecisionSPECIFIC Symbol Type:POINT	ASSES. NEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09 — Township: 05N Range: 01E Section: 23 Qtr: SW
Thread General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID : SHEEP GRAZING IS PRE: PRAIRE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Int : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D) y: Solano : 38.26231º / -121.83583° Zone-10 N4235560 E6018 : 80 meters : 25 ft 1: 2 KM (1.2 MI) SOUTHWES II: MAPPED IN THE NE 1/4 C	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791 47 Mapping PrecisionSPECIFIC Symbol Type:POINT BT OF OLCOTT, EAST OF THE RAILROAD TRACKS. OF THE SW 1/4 OF SECTION 23. FORMERLY TNC'S JEPSON PF	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09 Township: 05N Range: 01E Section: 23 Qtr: SW Meridian: M
Thread General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	I: VALLEY BUNCHGRASS G SANICULA BIPINNITAFID. : SHEEP GRAZING IS PRE: PRAIRIE PRESERVE; TR/ r: SOLANO LAND TRUST 0. 42 Map Int : Good : Natural/Native occurrence : Presumed Extant : Unknown r: Dozier (3812137/498D) y: Solano : 38.26231º / -121.83583° Zone-10 N4235560 E6018 : 80 meters : 25 ft 1: 2 KM (1.2 MI) SOUTHWES	A, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GR/ SUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETV N 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIF ANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNO dex: 25422 EO Index: 19791 47 Mapping PrecisionSPECIFIC Symbol Type:POINT BT OF OLCOTT, EAST OF THE RAILROAD TRACKS. OF THE SW 1/4 OF SECTION 23. FORMERLY TNC'S JEPSON PF	ASSES. WEEN MARCH 9 & MARCH 20, 1983. FFERENT COLONIES IN 2000. FORMERLY TNC'S J C RETAINS CONSERVATION EASEMENT. — Dates Last Seen — Element: 198X-XX-XX Site: 198X-XX-XX Site: 198X-XX-XX Record Last Updated: 1994-05-09 Township: 05N Range: 01E Section: 23 Qtr: SW Meridian: M

Owner/Manager: SOLANO LAND TRUST

fragrant fritillary			Code: PMLIL0V0C0	
Federal: None		- NDDB Element Ranks	Other Lists     Other Lists     CNPS List: 1B.2	
State: None		State: S2.2	CINFO LISI. ID.2	
Habitat Associations -				
General: COASTAL SCRUB, V	ALLEY AND FOOTHILL GRA	SSLAND, COASTAL PRAIRIE.		
		ORTED THOUGH USUALLY CLAY, IN GRASSLAND.	3-410M.	
	,			
Occurrence No. 58	Map Index: 51597	EO Index: 51597	Dates Las	st Seen
Occ Rank: Unknown				1992-04-16
Origin: Natural/Nativ			Site:	1992-04-16
Presence: Presumed E	xtant		Record Last Updated:	2002-06-10
Trend: Unknown			Record Last opuated.	2003-00-19
Quad Summary: Birds Landin	g (3812127/481A), Dozier (38	12137/498D)		
County Summary: Solano				
Lat/Long: 38.25078º /	-121.84363º		Township: 05N	
UTM: Zone-10 N42	234272 E601181		Range: 01E	
Radius: 1/5 mile		Mapping PrecisionNON-SPECIFIC	Section: 27	Qtr: SE
Elevation: 30 ft		Symbol Type:POINT	Meridian: M	
Location: APPROX 2	MILES SW OF OLCUTT (OLC	COTT), JEPSON PRAIRIE, ABOUT 0.45 MILE E OF RIG	HT OF WAY OF SACRAMENTO	NORTHERN RAILF
Location Detail: MAPPED AS	S DESCRIBED IN SECTION 2	27.		
Ecological: VERNAL PC				
Ecological. VERNALI C	OLO.			

Status			de: PMLILOVOF0	
Federal: None State: None		DB Element Ranks Global: G2 State: S2.2	Other Lists     Other Lists     CNPS List: 1B.2	
	IONTANE WOODLAND, FOOTHILL ( Y SOILS; SOMETIMES SERPENTINE			
Occurrence No. 25	Map Index: 45410	EO Index: 45410	Dates Las	
Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed B			Site:	1910-02-25 1910-02-25
Trend: Unknown			Record Last Updated:	2001-08-09
Quad Summary: Dixon (3812 County Summary: Solano	2147/498A)			
Lat/Long: 38.44696°/ UTM: Zone-10 N- Radius: 1 mile Elevation:		Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 07N Range: 01E Section: 13 Meridian: M	Qtr: XX
	TITY OF THIS SPECIMEM; IT MAY B	SITE IS 1910 COLLECTION BY HALLAWELL SEE E F. LILIACEA.	D COMPANY. R. POWELL ANE	O CNDDB QUESTIO
Owner/Manager: UNKNOWN	N			
Owner/Manager: UNKNOWN Occurrence No. 26	Map Index: 24739	EO Index: 45336	Dates Las	st Seen
Occurrence No. 26 Occ Rank: Unknown Origin: Natural/Nat	Map Index: 24739	EO Index: 45336	Element:	st Seen 1913-02-22 1913-02-22
Occurrence No. 26 Occ Rank: Unknown	Map Index: 24739	EO Index: 45336	Element:	1913-02-22 1913-02-22
Occurrence No. 26 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed E Trend: Unknown	Map Index: 24739		Element: Site:	1913-02-22 1913-02-22
Occurrence No. 26 Occ Rank: Unknown Origin: Natural/Nat Presence: Presumed E Trend: Unknown Quad Summary: Elmira (381	Map Index: 24739 tive occurrence Extant 12138/498C), Fairfield North (3812237 / -121.98869°		Element: Site:	1913-02-22 1913-02-22

saltmarsh common yello			Element Code: ABPBX1201A Other Lists	
Federal: None State: None	JS	NDDB Element Ranks Global: G5T2 State: S2	CDFG Status:	SC
Habitat As				
	ENT OF THE SAN FRANCISCO BAY REGION RES THICK, CONTINUOUS COVER DOWN			LLOWS FOR NESTING.
Occurrence No.	. 90 Map Index: 59862	EO Index: 59898	Date	es Last Seen
Occ Rank:	•			ent: 2004-06-12
-	: Natural/Native occurrence : Presumed Extant		S	Site: 2004-06-12
	Unknown		Record Last Upd	ated: 2005-02-04
-	: Fairfield South (3812221/482A)			
County Summary				
-	38.20185° / -122.06517° Zone-10 N4228624 E581850		Township: 04N Range: 02V	
Area:		Mapping PrecisionNON-S	÷	Qtr: XX
Elevation		Symbol Type:POLYG		
Location	: FROM JUST NORTH OF, TO 0.5 MILE SW	OF BOYNTON SLOUGH, 3 MILES SOL	ITH OF FAIRFIELD	
Location Detail	I: LOCATION MAPPED ACCORDING TO UTI TRACKS.	M COORDINATES. A PORTION OF THI	S SITE IS PARALLEL TO THE WEST SII	DE OF THE RAILROAD
Ecological	HABITAT CONSISTS OF A BRACKISH MA CURRENT/SURROUNDING LAND USE: AG		DRNIA VIRGINICA, SCIRPUS SPP., AND	TYPHA SPP.
General:	4-11 DETECTED AT EACH OF 5 DIFFERE	NT POINTS ON 12 JUN 2004.		
Owner/Manager	: DFG-GRIZZLY ISLAND WA, UNKNOWN			
Occurrence No.	. 91 Map Index: 59858	EO Index: 59894	Date	es Last Seen
Occ Rank:	Good			ent: 2004-06-13
•	Natural/Native occurrence		s	Site: 2004-06-13
	Presumed Extant Unknown		Record Last Upd	ated: 2005-02-04
Quad Summary: County Summary	: Fairfield South (3812221/482A) : Solano			
Lat/Long	: 38.23771º/-122.02232º		Township: 05N	1
-	Zone-10 N4232642 E585560		Range: 01V	
Area: Elevation:	12.7 acres	Mapping PrecisionSPECIF Symbol Type:POLYG		Qtr: NW
	: APPROXIMATELY 0.5 MILE NORTH OF DI			
	I:MAPPED ACCORDING TO UTM COORDIN			
Ecological	HABITAT CONSISTS OF A BRACKISH MA CURRENT/SURROUNDING LAND USE: A		JRNIA VIRGINICA, SCIRPUS SPP., ANL	TYPHA SPP
General:	1 DETECTION AT EACH OF TWO POINTS	ON 13 JUN 2004.		
Owner/Manager	: DFG-HILL SLOUGH WA			
Occurrence No.	. 92 Map Index: 59866	EO Index: 59902		es Last Seen
Occ Rank:				ent: 2004-05-06
- <b>J</b>	Natural/Native occurrence		5	Site: 2004-05-06
	Unknown		Record Last Upd	ated: 2005-02-04
Quad Summarv	: Fairfield South (3812221/482A)			
County Summary	· · · · ·			
Lat/Long:	38.19973º / -122.02908º		Township: 04N	l
	Zone-10 N4228421 E585012		Range: 02V	
Area: Elevation:	97.7 acres : 9 ft	Mapping PrecisionSPECIF Symbol Type:POLYG		Qtr: XX
1 1	: AREA EAST OF FIRST MALLARD BRANCI			
Location		NATES.		
	I: MAPPED ACCORDING TO UTM COORDIN			
Location Detail	HAPPED ACCORDING TO UTM COORDIN HABITAT CONSISTS OF A BRACKISH MA CURRENT/SURROUNDING LAND USE: AG	RSH. VEGETATION INCLUDES SALICO	DRNIA VIRGINICA, SCIRPUS SPP., AND	TYPHA SPP

saltmarsh common yello	owthroat	Elemer	nt Code: ABPBX1201A
State	us ————	NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G5T2 State: S2	CDFG Status: SC
	sociations —		
		ION, IN FRESH AND SALT WATER MARSHES.	
Micro: REQUIF	RES THICK, CONTINUOUS COVER DOW	IN TO WATER SURFACE FOR FORAGING; TALL GR	ASSES, TULE PATCHES, WILLOWS FOR NESTING.
Occurrence No.	. 93 Map Index: 59861	EO Index: 59897	Dates Last Seen
Occ Rank:			Element: 2004-06-12
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 2004-06-12
	Unknown		Record Last Updated: 2005-02-04
Quad Summary:	: Fairfield South (3812221/482A)		
County Summary			
Lat/Long:	38.19031º / -122.06366º		Township: 04N
	Zone-10 N4227345 E581996		Range: 02W
Area:	0.4	Mapping PrecisionNON-SPECIFIC	Section: 14 Qtr: XX
Elevation:	9 π	Symbol Type:POLYGON	Meridian: M
		ND WEST OF SUISUN SLOUGH, 3.8 MILES SOUTH C	DF FAIRFIELD
Location Detail	:MAPPED ACCORDING TO UTM COOR	DINATES GIVEN.	
Ecological	HABITAT CONSISTS OF A BRACKISH CURRENT/SURROUNDING LAND USE	MARSH. VEGETATION INCLUDES SALICORNIA VIR : AGRICULTURE.	GINICA, SCIRPUS SPP., AND TYPHA SPP
General:	1-3 DETECTED AT EACH OF 5 DIFFER	ENT POINTS ON 12 JUN 2004.	
Owner/Manager:	UNKNOWN		
Occurrence No.	100 Mon Index: CO110	EO Index: 60152	Dates Last Seen
Occurrence No. Occ Rank:	•	EU INDEX: 60152	Element: 2004-05-26
	Natural/Native occurrence		Site: 2004-05-26
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-02-18
Quad Summary:	: Denverton (3812128/481B)		
County Summary	: Solano		
-	38.17679º / -121.91308º		Township: 04N
	Zone-10 N4225989 E595199	Monning Provision ODE OLEVO	Range: 01E
Radius: Elevation:	80 meters 8 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 19 Qtr: <i>N</i> Meridian: M
		RSE SLOUGH AT THE SOUTH END OF LITTLE HON	
	LOCATION MAPPED ACCORDING TO		NER BAT.
-		MARSH. VEGETATION INCLUDES SCIRPUS SPP., T	TERA SEP., AND SALICUKNIA VIRGINICA.
	1 BREEDING INDIVIDUAL DETECTED	ON 26 MAY 2004.	
Owner/Manager:			
Occurrence No.	. 110 Map Index: 60125	EO Index: 60161	Dates Last Seen
Occ Rank:			Element: 2004-05-26
	Natural/Native occurrence		Site: 2004-05-26
-			
Presence:	Presumed Extant Unknown		Record Last Updated: 2005-02-22
Presence: Trend:	Presumed Extant Unknown		Record Last Updated: 2005-02-22
Presence: Trend: Quad Summary:	Presumed Extant Unknown : Denverton (3812128/481B)		Record Last Updated: 2005-02-22
Presence: Trend: Quad Summary: County Summary	Presumed Extant Unknown : Denverton (3812128/481B) : Solano		
Presence: Trend: Quad Summary: County Summary Lat/Long:	Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17963° / -121.90735°		Township: 04N
Presence: Trend: Quad Summary: County Summary Lat/Long:	Presumed Extant Unknown : Denverton (3812128/481B) : Solano	Mapping PrecisionNON-SPECIFIC	
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17963° / -121.90735° Zone-10 N4226310 E595698	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Township: 04N Range: 01E
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17963° / -121.90735° Zone-10 N4226310 E595698 : 8 ft		Township: 04N Range: 01E Section: 19 Qtr: N Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17963° / -121.90735° Zone-10 N4226310 E595698 : 8 ft	Symbol Type:POLYGON	Township: 04N Range: 01E Section: 19 Qtr: N Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.17963° / -121.90735° Zone-10 N4226310 E595698 : 8 ft : SOUTH SIDE OF THE MOUTH OF A SU :LOCATION MAPPED ACCORDING TO	Symbol Type:POLYGON	Township: 04N Range: 01E Section: 19 Qtr: N Meridian: M

		NDDB Element Ranks		
Federal: None State: None		Global: G5T2 State: S2	CDFG Status: SC	
Habitat Associ	ations —			
		N, IN FRESH AND SALT WATER MARSHES.		
Micro: REQUIRES T	THICK, CONTINUOUS COVER DOWN	TO WATER SURFACE FOR FORAGING; TALL GRA	SSES, TULE PATCHES, WILLOW	S FOR NESTING.
Occurrence No. 111	Map Index: 60142	EO Index: 60178	Dates Las	t Seen ———
Occ Rank: Fair	•		Element:	2004-06-16
-	ural/Native occurrence		Site:	2004-06-16
Presence: Pres Trend: Unk			Record Last Updated:	2005-02-22
Quad Summary: Der	verton (3812128/481B)			
County Summary: Sola	· · · ·			
Lat/Long: 38.	17177º / -121.96355º		Township: 04N	
	ne-10 N4225381 E590785		Range: 01W	
Radius: 80 Elevation: 4 ft		Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 22 Meridian: M	Qtr: SW
	CATION MAPPED ACCORDING TO UT	DUGH, BETWEEN ISLAND AND FROST SLOUGHS,	JUGI EAGI INE GRIZZLY ISLAN	U WILDLIFE AKEA.
				GINICA
-		RSH. VEGETATION INCLUDES SCIRPUS SPP., TY	FRA SPP., AND SALICURNIA VIR	GINICA.
	ETECTION ON 16 JUNE 2004. SITE US	SED FOR BREEDING.		
Owner/Manager: DFG	G-GRIZZLY ISLAND WA, UNKNOWN			
Occurrence No. 112	Map Index: 60147	EO Index: 60183	Dates Las	t Seen ———
Occ Rank: Fair				2004-06-16
Origin: Nati Presence: Pres	ural/Native occurrence		Site:	2004-06-16
Trend: Unk			Record Last Updated:	2005-02-22
Quad Summary: Den	overton (3812128/481B)			
County Summary: Sola	ano			
Lat/Long: 38.4	16762º / -121.96807º		Township: 04N	
	ne-10 N4224916 E590395		Range: 01W	<b>O</b> ( 1997)
Area: Elevation: 0 ft		Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Section: 27 Meridian: M	Qtr: NW
Location: ABC	OUT 0.4 MI SOUTH OF MONTEZUMA S	SLOUGH, BETWEEN ISLAND AND FROST SLOUGH	IS. JUST EAST OF GRIZZLY ISLA	ND WA.
Location Detail:LOC	CATION MAPPED ACCORDING TO UT	M COORDINATES GIVEN.		
		RSH. VEGETATION INCLUDES SCIRPUS SPP., TY	PHA SPP., AND SALICORNIA VIR	GINICA.
-		T POINTS ON 16 JUNE 2004. SITE USED FOR BREE		
Owner/Manager: UN			EDINO.	
owner/manager. orn				
Occurrence No. 113	•	EO Index: 60184	Dates Las	
Occ Rank: Fair			Element: Site:	2004-06-16 2004-06-16
Presence: Pres	ural/Native occurrence sumed Extant		one:	2004-00-10
Trend: Unk			Record Last Updated:	2005-02-22
Quad Summary: Den	overton (3812128/481B)			
County Summary: Sola	ano			
	16201º / -121.96711º		Township: 04N	
	ne-10 N4224295 E590485	Manning Provision OPEOLEIO	Range: 01W	
Radius: 80 r Elevation: 0 ft		Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 27 Meridian: M	Qtr: N
Location: ABC	OUT 0.7 MI SOUTH OF MONTEZUMA S	SLOUGH, BETWEEN ISLAND AND FROST SLOUGH	IS, EAST OF GRIZZLY ISLAND W	۹.
	CATION MAPPED ACCORDING TO UT			
		RSH. VEGETATION INCLUDES SCIRPUS SPP., TY	PHA SPP., AND SALICORNIA VIR	GINICA.
-	ETECTED ON 16 JUNE 2004. SITE US		- ,	-

saltmarsh common yello					Element Code: ABF			
Federal: None State: None	is ———			NDDB Element Ranks Global: G5T2 State: S2	0	ther Lists CDFG State	us: SC	
General: RESIDE				, IN FRESH AND SALT WATER MARS O WATER SURFACE FOR FORAGING		LE PATCHES	s, willow	S FOR NESTING.
Occurrence No.	. 114	Map Index:	60149	EO Index: 60185			Dates Las	st Seen
Occ Rank:						I		2004-06-25
•	Natural/Native of						Site:	2004-06-25
	Presumed Extar Unknown	n			I	Record Last	Updated:	2005-02-24
Quad Summary:	Denverton (3812	2128/481B)						
County Summary	: Solano							
Lat/Long:	38.19002º / -12	1.90834º				Township:	04N	
	Zone-10 N4227	462 E595597				Range:		
Area: Elevation:	4 ft			Mapping PrecisionNON-S Symbol Type:POLYG		Section: Meridian:		Qtr: XX
				I COORDINATES GIVEN. RSH. VEGETATION INCLUDES SCIRP	US SPP., TYPHA SPP.,	, AND SALIC	ORNIA VIF	RGINICA.
Ecological	HABITAT CONS	SISTS OF A BRA	ACKISH MAR	SH. VEGETATION INCLUDES SCIRP	US SPP., TYPHA SPP.,	, AND SALIC	ORNIA VIF	RGINICA.
Ecological	HABITAT CONS 1 TO 4 DETECT	SISTS OF A BRA	ACKISH MAR		US SPP., TYPHA SPP.,	, AND SALIC	ORNIA VIF	RGINICA.
Ecological General:	HABITAT CONS 1 TO 4 DETECT UNKNOWN	SISTS OF A BRA	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP	US SPP., TYPHA SPP.,		ORNIA VIF	
Ecological General: Owner/Manager Occurrence No. Occ Rank:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good	GISTS OF A BRA FED AT EACH C Map Index:	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.	US SPP., TYPHA SPP.,		Dates Las Element:	st Seen 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native o	SISTS OF A BRA FED AT EACH C Map Index:	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.	US SPP., TYPHA SPP.,		Dates Las Element:	st Seen
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good	SISTS OF A BRA FED AT EACH C Map Index:	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.			Dates Las Element: Site:	st Seen 2006-02-06 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native o Presumed Extar Unknown	SISTS OF A BR. FED AT EACH C Map Index: Deccurrence nt	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.			Dates Las Element: Site:	st Seen 2006-02-06 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native o Presumed Extar Unknown Fairfield South (	SISTS OF A BR. FED AT EACH C Map Index: Deccurrence nt	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.			Dates Las Element: Site:	st Seen 2006-02-06 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( : Solano 38.23905° / -12:	Map Index: Map Index: 3812221/482A) 2.04768°	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004.			Dates Las Element: Site: Updated:	st Seen 2006-02-06 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( : Solano	Map Index: Map Index: 3812221/482A) 2.04768°	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408		Record Last Township: Range:	Dates Las Element: Site: Updated: 05N 02W	st Seen 2006-02-06 2006-02-06 2006-09-25
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232	Map Index: Map Index: 3812221/482A) 2.04768°	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408 Mapping PrecisionNON-S	PECIFIC	Record Last Township: Range: Section:	Dates Las Element: Site: Updated: 05N 02W 35	st Seen 2006-02-06 2006-02-06
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232	Map Index: Map Index: 3812221/482A) 2.04768°	ACKISH MAR DF 8 DIFFERE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408	PECIFIC	Record Last Township: Range:	Dates Las Element: Site: Updated: 05N 02W 35	st Seen 2006-02-06 2006-02-06 2006-09-25
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232 5 ft	Map Index: Map Index: Map Index: accurrence nt 3812221/482A) 2.04768° 768 E583339	ACKISH MAR DF 8 DIFFERE 66304	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408 Mapping PrecisionNON-S	PECIFIC	Record Last Township: Range: Section: Meridian:	Dates Las Element: Site: Updated: 05N 02W 35 M	St Seen 2006-02-06 2006-09-25 2006-09-25 Qtr: NE
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232 5 ft EAST OF SOUT	Map Index: Map In	ACKISH MAR 66304 ANIA AVENUE	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408 Mapping PrecisionNON-S Symbol Type:POLYG E, BETWEEN CORDELIA STREET AN VELOPMENT TO THE NORTH AND E	PECIFIC ON D HIGHWAY 12, SOUT	Record Last Township: Range: Section: Meridian: H OF FAIRFI	Dates Las Element: Site: Updated: 05N 02W 35 M ELD AND	t Seen 2006-02-06 2006-09-25 2006-09-25 Qtr: \lE WEST OF SUISUN
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Detail	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232 5 ft EAST OF SOUT SITE IS SURRO PASTURE LAN	Map Index: Map Index: Map Index: DECUTFENCE nt 3812221/482A) 2.04768° 768 E583339 TH PENNSYLVA DUNDED BY SU D AND ESTUAR SISTS OF NON-	ACKISH MAR OF 8 DIFFERE 66304 ANIA AVENUE BURBAN DE RY TO THE S NATIVE GRA	SH. VEGETATION INCLUDES SCIRP ENT POINTS ON 25 JUNE 2004. EO Index: 66408 Mapping PrecisionNON-S Symbol Type:POLYG E, BETWEEN CORDELIA STREET AN VELOPMENT TO THE NORTH AND E OUTH. SSLAND, SEASONAL/PERENNIAL M.	PECIFIC ON D HIGHWAY 12, SOUT AST, PASTURE LAND	Township: Range: Section: Meridian: H OF FAIRFI AND LIGHT	Dates Las Element: Site: Updated: 05N 02W 35 M ELD AND INDUSTRI.	st Seen           2006-02-06           2006-02-06           2006-09-25           Qtr: NE           WEST OF SUISUN           AL TO THE WEST,
Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	HABITAT CONS 1 TO 4 DETECT UNKNOWN 116 Good Natural/Native of Presumed Extar Unknown Fairfield South ( Solano 38.23905° / -12: Zone-10 N4232 5 ft EAST OF SOUT SITE IS SURRO PASTURE LAN HABITAT CONS	Map Index: Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE Map Index: ACCURTENCE ACCURT	ACKISH MAR OF 8 DIFFERE 66304 ANIA AVENUE BURBAN DE RY TO THE S NATIVE GRA PRAINAGE CH	ENT POINTS ON 25 JUNE 2004. ENT POINTS ON 25 JUNE 2004. EO Index: 66408 Mapping PrecisionNON-S Symbol Type:POLYG E, BETWEEN CORDELIA STREET AN VELOPMENT TO THE NORTH AND E OUTH. SSLAND, SEASONAL/PERENNIAL M. HANNELS.	PECIFIC ON D HIGHWAY 12, SOUT AST, PASTURE LAND	Township: Range: Section: Meridian: H OF FAIRFI AND LIGHT	Dates Las Element: Site: Updated: 05N 02W 35 M ELD AND INDUSTRI.	st Seen           2006-02-06           2006-02-06           2006-09-25           Qtr: NE           WEST OF SUISUN           AL TO THE WEST,

Boggs Lake hedge-hyss State		- NDDB Element Ranks	Element ood	e: PDSCR0R060 – Other Lists		
Federal: None State: Endange	ered	Global: G3 State: S3.1			<b>st:</b> 1B.2	
	SSOCIATIONS		-2400M.			
Occurrence No.	. 36 Map Index: 10538	EO Index: 6	799		Dates Las	st Seen
Occ Rank: Origin:	Good Natural/Native occurrence			E		1995-05-11 1995-05-11
	Presumed Extant Unknown			Record Last	Updated:	1995-12-27
Quad Summary: County Summary	: Dozier (3812137/498D) : Solano					
-	38.26665° / -121.82774°			Township:		
	Zone-10 N4236051 E602548 18.8 acres	Mapping Precision	SPECIFIC	Range: Section:		Qtr: NE
Elevation:	25 ft	Symbol Type	:POLYGON	Meridian:	М	
Location	S OF OLCOTT LAKE, 0.2 MI W OF COOP	K LANE. JEPSON PRAIRIE.				
Location Detail	FORMERLY TNC'S JEPSON PRAIRIE P CONS. EASEMENT.	RESERVE; TRANSFERRED TO S	OLANO COUNTY FARML	ANDS & OPEN SF	PACE ON 8	3/97. TNC RETAINS
C C	SMALL PLAYA-TYPE POOL IN PESCAD PSILOCARPHUS BREVISSIMUS. DOWN					L. FREMONTII, &
	HEAVY SHEEP GRAZING IN 1992.					
	10,000 PLANTS ESTIMATED IN 1991 AN	ND 1992, A MILLION ESTIMATED	IN 1993 AND 1995.			
Owner/Manager:	SOLANO LAND TRUST					
Occurrence No.	•	EO Index: 7	235		Dates Las	
Occ Rank:	Good Natural/Native occurrence			E		1992-05-04 1992-05-04
	Presumed Extant					
Trend:	Unknown			Record Last	Updated:	1993-08-11
-	: Dozier (3812137/498D)					
County Summary						
-	38.27166º / -121.83490º Zone-10 N4236599 E601915			Township: Range:		
Radius:	80 meters	Mapping Precision		Section:		Qtr: SW
Elevation:	25 ft	Symbol Type	:POINT	Meridian:	М	
Location	: 0.25 MI W OF OLCOTT LAKE AND RAIL	ROAD TRACKS. 0.5 MI S OF UNN	IAMED GRAVEL RD.			
Ecological	SMALL PLAYA POOL W/ELEOCHARIS N FREMONTII/PSILOCARPHUS BREVISSI					JM ARISTULATUM,
General: Owner/Manager:	APPROX 200 PLANTS IN 1991. PARCEL PVT	. WAS FOR SALE AT THAT TIME.				
Occurrence No.	. 38 Map Index: 23975	EO Index: 7	236		Dates Las	st Seen
Occ Rank:				E		1992-05-06 1993-05-06
-	Natural/Native occurrence Presumed Extant				Site:	1990-00-00
	Unknown			Record Last	Updated:	1994-07-10
Quad Summary:	: Dozier (3812137/498D)					
County Summary	: Solano					
	38.27737º / -121.83950º			Township:		
	Zone-10 N4237227 E601505 80 meters	Mapping Precision	SPECIFIC	Range: Section:		Qtr: SW
Elevation:		Symbol Type		Meridian:		Sect. JVV
Location	: APPROX 0.75 MI W OF JUNCTION OF R	AILROAD TRACKS AND COOK L	ANE, NW OF OLCOTT L	AKE, JUST S OF U	NNAMED	GRAVEL ROAD.
	SMALL PLAYA-TYPE VERNAL POOL WI AREAS WITH DOWNINGIA CUSPIDATA	ITH PLAGIOBOTHRYS BRACTEA	TUS & ERYNGIUM ARIS			
	EVIDENCE OF HEAVY GRAZING IN 199	3-VERY LITLE VEGETATION GR	OWING IN MUDDY HOOF	PRINTS; NO GRA	TIOLA FO	UND.
Threat:	EVIDENCE OF TIEAVE ORAZINO IN 133					

Boggs Lake hedge-hyss	•		Element Code: PDSCR0R060		
Federal: None State: Endang		NDDB Element Ranks Global: G3 State: S3.1	CNPS List	st: 1B.2	
General: MARSH	SSOCIATIONS		 I.		
Presence:	•	EO Index: 12812		Site:	1991-05-03 1991-05-03
Quad Summary County Summary	: Dozier (3812137/498D) : Solano				
UTM:	: 38.28808° / -121.86253° Zone-10 N4238390 E599476 80 meters : 30 ft	Mapping PrecisionSPEC Symbol Type:POINT		01E 09	Qtr: SE
Location	END OF DALLY ROAD, S OF HAY ROAD.	0.1 MI N OF SACRAMENTO NORTHE	RN RAILROAD AND 2.1 MI W OF HW	Y 113.	
-	I: IN SPARSELY VEGETATED PORTION OF ELEOCHARIS MACROSTACHYA AND DO APUS.	WNINGIA CUSPIDATA. OTHER RARE	PLANTS IN POOL: DOWNINGIA PUS	SILLA, AND	MYOSURUS MINI
	: POTENTIALLY THREATENED BY PROPO THREATEN. : OVER 100 PLANTS IN 1991.	SED PGE-PGT PIPELINE REROUTE A	ROUND JEPSON PRAIRIE. CATTLE	GRAZING	COULD ALSO
Owner/Manager					
-	•	EO Index: 7229			Seen 1991-05-02 1991-05-02
	Unknown		Record Last	Updated:	2005-09-29
Quad Summary County Summary	: Dozier (3812137/498D) : Solano				
UTM:	<ul> <li>38.25652° / -121.84455°</li> <li>Zone-10 N4234908 E601092</li> <li>80 meters</li> <li>28 ft</li> </ul>	Mapping PrecisionSPEC Symbol Type:POINT		01E 27	Qtr: NE
Location	2.5 MILES SW OF DOZIER, JUST WEST C	DF SACRAMENTO NORTHERN RAILR	DAD, JUST SOUTH OF JEPSON PRA	IRIE.	
C C	REMONTIL DESCHAMPSIA DANTHONIC	DIDES, ALLOCARYA STIPITATA, & TH	E RARE CUSCUTA HOWELLIANA & L	EPIDIUM I	ATIPES.
	: POTENTIALLY THREATENED BY PROPO THREATEN. : THOUSANDS OF PLANTS IN 1991.	ISED PGE-PGT PIPELINE REROUTE A	ROUND JEPSON PRAIRIE. SHEEP C	GRAZING C	OULD ALSO
Owner/Manager					
Presence:	Unknown Natural/Native occurrence Presumed Extant	EO Index: 62820		Site:	2002-04-03 2002-04-03
Quad Summary	Unknown Dozier (3812137/498D)			Updated:	2005-09-30
County Summary	: Solano : 38.29480º / -121.79912º		Township:	05N	
Lat/Long	Zone-10 N4239207 E605012	Mapping PrecisionNON-3	SPECIFIC Section:	02E 07	Qtr: \W
UTM:	1/10 mile : 15 ft	Symbol Type:POINT	Meridian:		
UTM: Radius: Elevation:			Meridian:		

Brewer's western flax			Element Code: PDLIN01030	
Federal: None State: None		NDDB Element Ranks Global: G2 State: S2.2	CNPS List: 1B.2	
	SOCIATIONS		GRASSIAND 30-885M	
Occurrence No.		EO Index: 18644	— Dates Last Seen	
Occ Rank: Origin:	Unknown Natural/Native occurrence	LO IIIdea. 10044	Element: 1892- Site: 1892-	06-20
	Presumed Extant Unknown		Record Last Updated: 2001-	10-23
Quad Summary: County Summary:	Fairfield North (3812231/499D), Mt. Vaca ( Solano	3812241/499A)		
	38.38587° / -122.06561° Zone-10 N4249043 E581605	Mapping PrecisionNON-S	Township: 06N Range: 02W PECIFIC Section: 10 Qtr	: XX
Elevation:		Symbol Type:POINT	Meridian: M	. ^^
	GATES CYN, VACA MTNS.			
	RARE PLANT LOCATIONS FROM NAPA		CTIONS BY JEPSON AND UNDATED ARCVIEW SH	IAPEFILE OI
Owner/Manager:	PVT			
-	•	EO Index: 18643	Dates Last Seen Element: 1891- Site: 1891-	06-01
	Unknown Mt. Vaca (3812241/499A)		Record Last Updated: 2001-	10-23
County Summary				
-		Mapping PrecisionNON-S Symbol Type:POINT	Township: 07N Range: 02W PECIFIC Section: 33 Qtr Meridian: M	: XX
	WELDON CYN (MIX CYN), VACA MTS.			
	LOCATIONS FROM NAPA COUNTY CNP		JEPSON AND UNDATED ARCVIEW SHAPEFILE OF	F RARE PLA
Owner/Manager:	PVI			
•		EO Index: 18645	Dates Last Seen Element: 1997- Site: 1997-	05-12
	Unknown		Record Last Updated: 2000-	04-25
Quad Summary: County Summary	Mt. Vaca (3812241/499A) : Solano			
UTM:	38.43426° / -122.10197° Zone-10 N4254381 E578378 80 meters	Mapping PrecisionSPECI	Township:         07N           Range:         02W           FIC         Section:         20         Qtr	: SE
Elevation:	1,650 ft	Symbol Type:POINT	Meridian: M	
	MILLER CANYON, ABOUT 2.3 MILES NO		RAIL. MAPPED WITHIN THE SW 1/4 OF SE 1/4 OF S	ECTION 20
		AY. ASSOCIATED WITH SPARSE VULP	IA BROMOIDES. BORDERING ADENOSTOMA FASO	
			CEL IS UNDER CONSIDERATION FOR LAND EXCH	IANGE.
			IAINTAINED ALONG FIRE ROAD. 1897 COLLECTIO	N BY IEDOC

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

Brewer's western flax		Eleme	ent Code: PDLIN01030	
Status		NDDB Element Ranks	Other Lists	
Federal: None		Global: G2	CNPS List: 1B.2	
State: None		State: S2.2		
Habitat Associations				
General: CHAPARRAL, CISM	IONTANE WOODLAND, VAL	LEY AND FOOTHILL GRASSLAND.		
Micro: OFTEN IN ROCKY	SERPENTINE SOIL IN SERF	PENTINE CHAPARRAL AND SERPENTINE GRASSLA	AND. 30-885M.	
			Detector	
Occurrence No. 20	Map Index: 42825	EO Index: 42825	Dates La	
Occ Rank: Unknown				1891-06-19 1891-06-19
Origin: Natural/Na Presence: Presumed			Site:	1891-06-19
Trend: Unknown	Extant		Record Last Updated	2000-04-25
riena. Onknown				
Quad Summary: Mt. George	e (3812232/499C), Fairfield N	lorth (3812231/499D)		
County Summary: Solano, Na	ıpa			
Lat/Long: 38.32267°	/ -122.13485°		Township: 06N	
UTM: Zone-10 N	4241971 E575624		Range: 03W	
Radius: 1 mile		Mapping PrecisionNON-SPECIFIC	Section: 36	Qtr: XX
Elevation:		Symbol Type:POINT	Meridian: M	
Location: UPPER SU	JISUN VALLEY.			
		AS BEST GUESS BY CNDDB.		
Location Detail: UPPER VA	LEET, ORTHELO. MAATED			
		OR THIS SITE IN 1891 COLLECTION BY JEPSON		

woolly rose-mallow				Element	Code: PDMAL0H0Q0		
Stat	us ———		NDDB Element Ranks		Other Lists		
Federal: None			Global: G4		CNPS L	ist: 2.2	
State: None			State: S2.2				
	sociations —						
General: MARSH	ES AND SWAMPS	(FRESHWATER	).				
Micro: MOIST,	FRESHWATER-SO	AKED RIVER B	ANKS & LOW PEAT ISLANDS IN	SLOUGHS; IN CALIF., KNC	OWN FROM THE DELT	A WATER	SHED. 0-150M.
Occurrence No	. 36	Map Index: 10	841 EO Ind	lex: 20816		Dates La	st Seen
Occ Rank:	Unknown				I		1891-09-16
•	Natural/Native occu	urrence				Site:	1974-07-15
	Presumed Extant				Record Last	Undated	1090-09-11
Trend:	Unknown				Record Last	opuateu.	1909-00-11
Quad Summary	: Rio Vista (3812126	6/480B)					
County Summary	: Solano						
Lat/Long:	38.14963º / -121.6	9328°			Township:	04N	
UTM:	Zone-10 N4223223	3 E614495			Range:	03E	
	1/5 mile		Mapping Pr	ecisionNON-SPECIFIC	Section:	31	Qtr: XX
	SACRAMENTO RI		Symbo	DN BY HOOD (DATE UNKNO	Meridian:	М	
Location General:	SACRAMENTO RI		Symbo VISTA.			М	
Location General: Owner/Manager Occurrence No	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142		VISTA. 1. ALSO SEEN AT THIS LOCATIO		OWN).	Dates La	
Location General: Owner/Manager Occurrence No Occ Rank:	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good	N 1887 AND 189 Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN).	Dates La: Element:	2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin:	SACRAMENTO RI SPECIES SEEN IN PVT . 142 Good Natural/Native occu	N 1887 AND 189 Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN).	Dates La: Element:	
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: SACRAMENTO RI SPECIES SEEN IN : PVT : 142 Good Natural/Native occu Presumed Extant	N 1887 AND 189 Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN). 	Dates Las Element: Site:	2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good Natural/Native occi Presumed Extant Unknown	Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN). 	Dates Las Element: Site:	2005-08-24 2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good Natural/Native occi Presumed Extant Unknown : Liberty Island (381:	Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN). 	Dates Las Element: Site:	2005-08-24 2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good Natural/Native occi Presumed Extant Unknown : Liberty Island (381:	Map Index: 63	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN). 	Dates Las Element: Site:	2005-08-24 2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good Natural/Native occi Presumed Extant Unknown : Liberty Island (381) : Solano : 38.31859º / -121.7	Map Index: 63 urrence 2136/497C)	VISTA. 1. ALSO SEEN AT THIS LOCATIO	DN BY HOOD (DATE UNKN	OWN).  Record Last  Township:	Dates La: Element: Site: Updated: 06N	2005-08-24 2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: SACRAMENTO RI SPECIES SEEN IN : PVT : 142 Good Natural/Native occt Presumed Extant Unknown : Liberty Island (381: : Solano : 38.31859° / -121.7 Zone-10 N4241910	Map Index: 63 urrence 2136/497C)	VISTA. 1. ALSO SEEN AT THIS LOCATION 1324 EO Ind	DN BY HOOD (DATE UNKNo lex: 63416	OWN). Record Last Township: Range:	Dates La: Element: Site: Updated: 06N 02E	2005-08-24 2005-08-24 2005-12-06
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM:	SACRAMENTO RI SPECIES SEEN IN PVT 142 Good Natural/Native occu Presumed Extant Unknown Liberty Island (381) Solano 38.31859° / -121.7 Zone-10 N4241910 30.7 acres	Map Index: 63 urrence 2136/497C)	Symbo VISTA. 1. ALSO SEEN AT THIS LOCATIO 1324 EO Ind Mapping Pr	DN BY HOOD (DATE UNKN lex: 63416 ecisionSPECIFIC	OWN). Record Last Township: Range: Section:	Dates La: Element: Site: Updated: 06N 02E 34	2005-08-24 2005-08-24
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	SACRAMENTO RI SPECIES SEEN IN PVT 142 Good Natural/Native occu Presumed Extant Unknown Liberty Island (381) Solano 38.31859° / -121.7 Zone-10 N4241910 30.7 acres	Map Index: 63 urrence 2136/497C)	Symbo VISTA. 1. ALSO SEEN AT THIS LOCATIO 1324 EO Ind Mapping Pr	DN BY HOOD (DATE UNKNo lex: 63416	OWN). Record Last Township: Range:	Dates La: Element: Site: Updated: 06N 02E 34	2005-08-24 2005-08-24 2005-12-06
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	SACRAMENTO RI SPECIES SEEN IN PVT 142 Good Natural/Native occu Presumed Extant Unknown Liberty Island (381) Solano 38.31859° / -121.7 Zone-10 N4241910 30.7 acres 0 ft ALONG SOUTHER	Map Index: 63 urrence 2136/497C) 4364° 0 E609827 RN EDGE OF HA	Symbo VISTA. 1. ALSO SEEN AT THIS LOCATIO 324 EO Ind Mapping Pro Symbo	ecisionSPECIFIC bl Type:POLYGON DF PETERS POCKET; 1.0-1	OWN). Record Last Township: Range: Section: Meridian: 1.4 MI NORTHWEST O	Dates La: Element: Site: Updated: 06N 02E 34 M F DUCK S	2005-08-24 2005-08-24 2005-12-06 <b>Qtr:</b> SE
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: SACRAMENTO RI SPECIES SEEN IN : PVT . 142 Good Natural/Native occi Presumed Extant Unknown : Liberty Island (381: : Solano : 38.31859° / -121.7 Zone-10 N4241910 30.7 acres : 0 ft : ALONG SOUTHEF : SCATTERED INDI	Map Index: 63 Map Index: 63 urrence 2136/497C) 4364° 0 E609827 RN EDGE OF HA IVIDUALS ALON	Symbo VISTA. 1. ALSO SEEN AT THIS LOCATIO 324 EO Ind Mapping Pri Symbo	ecisionSPECIFIC of Type:POLYGON DF PETERS POCKET; 1.0-1 TER LINE. FOUND WITH P	OWN). Record Last Township: Range: Section: Meridian: 1.4 MI NORTHWEST O	Dates La: Element: Site: Updated: 06N 02E 34 M F DUCK S	2005-08-24 2005-08-24 2005-12-06 <b>Qtr:</b> SE
Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	: SACRAMENTO RI SPECIES SEEN IN PVT . 142 Good Natural/Native occi Presumed Extant Unknown : Liberty Island (381) : Solano : 38.31859°/-121.7 Zone-10 N424191( 30.7 acres : 0 ft : ALONG SOUTHER : SCATTERED INDI XIPHIOIDES, MEN	Map Index: 63 urrence 2136/497C) 4364° 0 E609827 RN EDGE OF HA IVIDUALS ALON ITHA ARVENSIS	Symbo VISTA. 1. ALSO SEEN AT THIS LOCATIO 324 EO Ind Mapping Pr Symbo SS SLOUGH, ON NORTH SIDE G G SLOUGH BANK RIGHT AT WA	ecisionSPECIFIC of Type:POLYGON DF PETERS POCKET; 1.0-1 TER LINE. FOUND WITH P	OWN). Record Last Township: Range: Section: Meridian: 1.4 MI NORTHWEST O	Dates La: Element: Site: Updated: 06N 02E 34 M F DUCK S	2005-08-24 2005-08-24 2005-12-06 <b>Qtr:</b> SE

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

Ricksecker's water scav	venger beetle	Eleme	ent Code: IICOL5V010
Federal: None State: None	us	NDDB Element Ranks     Global: G1G2     State: S1S2	CDFG Status:
General: AQUAT	ssociations ————————————————————————————————————		
Occurrence No Occ Rank:	Excellent	<b>EO Index:</b> 4689	Dates Last Seen
Presence	Natural/Native occurrence Presumed Extant Unknown		Record Last Updated: 1997-01-21
Quad Summary	: Dozier (3812137/498D)		
County Summary	: Solano		
UTM:	: 38.27077º / -121.82372º Zone-10 N4236512 E602894 : 2/5 mile : 15 ft	Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 05N Range: 01E Section: 24 Qtr: XX Meridian: M
	: OLCOTT LAKE, JEPSON PRAIRIE. I:FORMERLY TNC'S JEPSON PRAIRIE CONS. EASEMENT.	PRESERVE; TRANSFERRED TO SOLANO COUNTY	FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS
Ecological	I: HABITAT CONSISTS OF A VERNAL PO	OOL MEASURING 0.25 X 0.50 MILE, BISECTED BY A EETLE, CONSERVANCY FAIRY SHRIMP, VERNAL P	
	: THE BEETLE LANDED ON A PERSON : SOLANO LAND TRUST	N STANDING ON COOK LANE, BETWEEN THE TWO	PARTS OF OLCOTT LAKE (VERNAL POOL).
Occurrence No Occ Rank: Origin:	•	EO Index: 61681	Dates Last Seen     Element: 2002-04-02     Site: 2002-04-02
	Presumed Extant Unknown		Record Last Updated: 2005-06-20
Quad Summary County Summary	: Dozier (3812137/498D) r: Solano		
UTM:	: 38.26893° / -121.85760° Zone-10 N4236272 E599933 : 1/10 mile : 35 ft	Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 05N Range: 01E Section: 22 Qtr: XX Meridian: M
	ABOUT 2.5 MILES SOUTHWEST OF D		
	: POOL HAS AN IRREGULAR MARGIN.	N ON SOURCE DOCUMENT MAP, BUT LISTED IN TA	BLE WITH UTM COORDINATES.
Owner/Manager			
Occurrence No Occ Rank: Origin:	•	EO Index: 62188	
Presence:	Presumed Extant		Record Last Updated: 2005-08-02
Irend:	: Dozier (3812137/498D), Elmira (381213	38/498C)	
	Solano		Township: 05N
Quad Summary County Summary Lat/Long:	: 38.28623º / -121.86857º		
Quad Summary County Summary Lat/Long: UTM:	38.28623º / -121.86857º Zone-10 N4238179 E598950 317.8 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Range: 01E Section: 09 Qtr: XX Meridian: M
Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: 38.28623° / -121.86857° Zone-10 N4238179 E598950 317.8 acres : 60 ft		Range: 01E Section: 09 Qtr: XX Meridian: M
Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: 38.28623° / -121.86857° Zone-10 N4238179 E598950 317.8 acres : 60 ft : ALONG SACRAMENTO NORTHERN R	Symbol Type:POLYGON	Range:     01E       Section:     09       Qtr: XX       Meridian:       D. AND RT. 113

ellow-breasted chat			Element Code: ABPBX24010	
Status		<ul> <li>NDDB Element Ranks</li> </ul>	Other Lists	
Federal: None		Global: G5	CDFG Status: SC	
State: None		State: S3		
Habitat Association	ıs ———			
General: SUMMER RESID	ENT; INHABITS RIPARIAN THIC	KETS OF WILLOW & OTHER BRUSHY TANG	GLES NEAR WATERCOURSES.	
Micro: NESTS IN LOW, [	DENSE RIPARIAN, CONSISTIN	G OF WILLOW, BLACKBERRY, WILD GRAPE	; FORAGES AND NESTS WITHIN 10 FT (	OF GROUND.
Occurrence No. 70	Map Index: 09819	EO Index: 24858	Dates La	st Seen
Occ Rank: Unknowr	n		Element:	1987-04-24
6	Native occurrence		Site:	1987-04-24
Presence: Presume			<b>B 11 11 1</b>	
Trend: Unknown	n		Record Last Updated	1989-08-10
Quad Summary: Mt. Vaca	a (3812241/499A)			
County Summary: Solano				
Lat/Long: 38.4807	3º / -122.03914º		Township: 07N	
UTM: Zone-10	N4259592 E583808		Range: 02W	
Radius: 1/5 mile		Mapping PrecisionNON-SPEC		Qtr: SW
Elevation: 500 ft		Symbol Type:POINT	Meridian: M	
Location: 0.6 MI N	W ON DIRT ROAD THAT IS 0.7	MI S OF JCT OF HWY 128 & PLEASANTS V	ALLEY ROAD.	
Location Detail: CHAT H	EARD IN BRAMBLES OF RIPAR	RIAN AREA WITH OAK TREES AND LARGE C	COTTONWOODS AND MANY VINY TYPE	PLANTS.

Owner/Manager: PVT

Carquinez goldenbush			Element Code: PDAST57050	
Federal: None State: None	JS	NDDB Element Ranks Global: G1 State: S1.1	Other Lists CNPS	List: 1B.1
	ssociations —			
	AND FOOTHILL GRASSLAND.			
Micro: ALKALI	NE SOILS, FLATS, LOWER HILLS. ON LOW	BENCHES NEAR DRAINAGES & C	ON TOPS & SIDES OF MOUNDS IN S	WALE HABITAT. 1-20M.
Occurrence No.	. 1 Map Index: 22110	EO Index: 8266		- Dates Last Seen
Occ Rank:				Element: 1992-09-27
-	Natural/Native occurrence			Site: 1992-09-27
	Unknown		Record Las	st Updated: 1995-10-30
-	: Denverton (3812128/481B)			
County Summary	: Solano			
	38.13144º / -121.88448º		Township	
	Zone-10 N4220986 E597765	Manning ProvisionSD	Range:	
Elevation:	19.2 acres : 10 ft	Mapping PrecisionSPE Symbol Type:POI		
Location	: ON BIRDS LANDING ROAD, 0.6 MI W OF E	IRDS LANDING. 0.2-0.6 MI E OF W	ATER TANK IN SECTION 5.	
Location Detail	I: MOST PLANTS JUST S OF ROAD, ABOUT	150 PLANTS 0.1 MI S OF ROAD, A	ND A FEW PLANTS JUST N OF ROA	D.
Ecological	ON LOW BENCHES ADJACENT TO SEASC SERRIOLA, HAPLOPAPPUS RACEMOSUS			
Threat:	SITE USED AS HUNTING CLUB; PERSON	SEEN SPOT SPRAYING HERBICIE	E TO MANAGE DUCK HABITAT (199	11).
	200 PLANTS SEEN IN 1991, 760 PLANTS S	EEN IN 1992 (MORE THOROUGH	SEARCH MADE). MAY BE PROTECT	
Owner/Manager:	THE MONTEZUMA WETLANDS RESTORA : PVT-CATELLUS CORP	TION PROJECT. MAPPED AS 3 PC	LIGONS.	
Occurrence No.	. 2 Map Index: 22109	EO Index: 8268		- Dates Last Seen
Occ Rank:	Unknown			Element: 1965-10-12
-	Natural/Native occurrence			Site: 1991-10-10
	Presumed Extant Unknown		Record Las	st Updated: 1992-12-29
Quad Summary:	: Denverton (3812128/481B)			
Quad Summary: County Summary				
County Summary			Township	: 05N
County Summary Lat/Long: UTM:	: Solano : 38.24248º / -121.88556º Zone-10 N4233306 E597523		Range	: 01E
County Summary Lat/Long: UTM: Radius:	: Solano : 38.24248º / -121.88556º Zone-10 N4233306 E597523 1/5 mile	Mapping PrecisionNO	N-SPECIFIC Section	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft	Symbol Type:POI	N-SPECIFIC Section NT Meridian	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE	N-SPECIFIC Section NT Meridian	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE LARGE INTERMITTENT LAKE.	N-SPECIFIC Section NT Meridian	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE LARGE INTERMITTENT LAKE.	N-SPECIFIC Section NT Meridian	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE LARGE INTERMITTENT LAKE.	N-SPECIFIC Section NT Meridian	: 01E : 29 <b>Qtr</b> : SE
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager: Occurrence No.	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE LARGE INTERMITTENT LAKE.	N-SPECIFIC Section NT Meridian	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager Occurrence No. Occ Rank:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVI : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 Unknown	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	N-SPECIFIC Section NT Meridian	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 : Unknown : Natural/Native occurrence	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	N-SPECIFIC Section NT Meridian	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVI : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 Unknown	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	Range N-SPECIFIC Section NT Meridian NVERTON.	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A)	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	Range N-SPECIFIC Section NT Meridian NVERTON.	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A)	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	Range N-SPECIFIC Section NT Meridian NVERTON.	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: Ecological General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 UNKNOWN . 3 Map Index: 22103 UNKNOWN : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.23904° / -121.84276°	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	Range N-SPECIFIC Section NVERTON. Record Las Township	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: County Summary Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVI : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.23904° / -121.84276° Zone-10 N4232970 E601273	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992. EO Index: 8265	Range NSPECIFIC Section NT Meridian NVERTON. Record Las Township Range:	: 01E : 29 Qtr: SE : M - Dates Last Seen
County Summary Lat/Long: UTM: Radius: Elevation: County Summary Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 UNKNOWN . 3 Map Index: 22103 UNKNOWN : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.23904°/ -121.84276° Zone-10 N4232970 E601273 80 meters	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992.	Range: NSPECIFIC Section NT Meridian NVERTON. Record Las CIFIC Section	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10 Site: 1992-10-10 st Updated: 1992-12-29 : 05N : 01E : 34 Qtr: NE
County Summary Lat/Long: UTM: Radius: Elevation: Cocological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 UNKNOWN . 3 Map Index: 22103 UNKNOWN : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.23904°/ -121.84276° Zone-10 N4232970 E601273 80 meters	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992. EO Index: 8265 Mapping PrecisionSPE Symbol Type:POI	Range: NSPECIFIC Section NT Meridian NVERTON. Record Las CIFIC Section	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10 Site: 1992-10-10 st Updated: 1992-12-29 : 05N : 01E : 34 Qtr: NE
County Summary Lat/Long: UTM: Radius: Elevation: Cological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN . 3 Map Index: 22103 : UNKNOWN . 3 Map Index: 22103 : UNKNOWN . 3 Map Index: 22103 : UNKNOWN . 3 Map Index: 22103 : UNKNOWN . 3 Salano : 38.23904° / -121.84276° Zone-10 N4232970 E601273 80 meters : 30 ft	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992. EO Index: 8265 Mapping PrecisionSPE Symbol Type:POI	Range: NSPECIFIC Section NT Meridian NVERTON. Record Las CIFIC Section	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10 Site: 1992-10-10 st Updated: 1992-12-29 : 05N : 01E : 34 Qtr: NE
County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	: Solano : 38.24248° / -121.88556° Zone-10 N4233306 E597523 : 1/5 mile : 40 ft : 1.8 MI W OF CREED STATION, ALONG CR : NEARLY BARREN ALKALI SLOPES ABOVE : NO PLANTS SEEN FROM THE ROADSIDE : UNKNOWN 3 Map Index: 22103 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Birds Landing (3812127/481A) : Solano : 38.23904° / -121.84276° Zone-10 N4232970 E601273 : 80 meters : 30 ft : GOOSE HAVEN ROAD, 0.2 MI S OF CREE	Symbol Type:POI EED ROAD. 1.5 AIRMI NNE OF DE E LARGE INTERMITTENT LAKE. IN 1992. EO Index: 8265 Mapping PrecisionSPE Symbol Type:POI	Range: NSPECIFIC Section NT Meridian NVERTON. Record Las CIFIC Section	: 01E : 29 Qtr: SE : M - Dates Last Seen Element: 1992-10-10 Site: 1992-10-10 st Updated: 1992-12-29 : 05N : 01E : 34 Qtr: NE

Carquinez goldenbush			ent Code: PDAST57050
Stat	at	- NDDB Element Ranks	Other Lists
Federal: None		Global: G1	CNPS List: 1B.1
State: None		<b>State:</b> S1.1	
Habitat As			
	AND FOOTHILL GRASSLAND.		
Micro: ALKALI	NE SOILS, FLATS, LOWER HILLS. ON LO	W BENCHES NEAR DRAINAGES & ON TOPS & S	SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.
Occurrence No	. 4 Map Index: 22104	EO Index: 17322	Dates Last Seen
Occ Rank:	Unknown		Element: 1992-10-10
Origin:	Natural/Native occurrence		Site: 1992-10-10
	Presumed Extant		Record Lost Undeted. 4005-00-44
Trend:	Unknown		Record Last Updated: 1995-02-14
Quad Summary	: Birds Landing (3812127/481A)		
County Summary	: Solano		
Lat/Long:	: 38.24152º / -121.80610º		Township: 05N
UTM:	Zone-10 N4233286 E604478		Range: 01E
	80 meters	Mapping PrecisionSPECIFIC	Section: 36 Qtr: NE
Elevation	20 tt	Symbol Type:POINT	Meridian: M
Location	W SIDE OF HWY 113 (RIO-DIXON ROAD	) JUST S OF CREED ROAD JUNCTION.	
Ecological	: ATRIPLEX CORDULATA ALSO MAPPED	HERE.	
Threat	RECENT SHOULDER WORK HAD DAMA	AGED AT LEAST 1 PLANT IN 1992	
			EL SAYS "HASTINGS ISLAND JCT, 3.1 MI S OF THE JCT. 0.7
Contract	MI E OF DOZIER STATION."		
Owner/Manager	: UNKNOWN, CALTRANS		
			Dates Last Daar
Occurrence No	•	EO Index: 7630	
Occ Rank:	Natural/Native occurrence		Site: 1959-12-08
•	Presumed Extant		
	Unknown		Record Last Updated: 1994-04-28
Quad Summary	: Dozier (3812137/498D)		
County Summary	: Solano		
Lat/Long:	: 38.33798º / -121.82333º		Township: 06N
UTM:	Zone-10 N4243970 E602833		Range: 01E
Radius:	1/5 mile	Mapping PrecisionNON-SPECIFIC	
Elevation	25 ft	Symbol Type:POINT	Meridian: M
Location	: ABOUT 4 MI N OF DOZIER STATION ALC	ONG HWY 113 (WHERE THE ULATIS CREEK CR	OSSES HWY 113).
Ecological	: ON ALKALI VALLEY PLAIN.		
General	THIS SITE WAS NOT CHECKED BY ERT	TER IN 1992. NEEDS FIELDWORK.	
Owner/Manager	: UNKNOWN		
Occurronce No	6 Man Indox: 22620	EO Index: 1557	Dates Last Seen
Occurrence No Occ Rank:	-	<b>EO Index:</b> 1557	Dates Last Seen     Element: 1994-09-20
Occ Rank:	-	EO Index: 1557	
Occ Rank: Origin:	Good	EO Index: 1557	Element: 1994-09-20 Site: 1994-09-20
Occ Rank: Origin: Presence:	Good Natural/Native occurrence	EO Index: 1557	Element: 1994-09-20
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant	EO Index: 1557	Element: 1994-09-20 Site: 1994-09-20
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B)	EO Index: 1557	Element: 1994-09-20 Site: 1994-09-20
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B)	EO Index: 1557	Element: 1994-09-20 Site: 1994-09-20
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267		Element: 1994-09-20 Site: 1994-09-20 Record Last Updated: 1995-09-08 Township: 05N Range: 01W
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters	Mapping PrecisionSPECIFIC	Element: 1994-09-20 Site: 1994-09-20 Record Last Updated: 1995-09-08 Township: 05N Range: 01W Section: 35 Qtr: SE
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters		Element:         1994-09-20           Site:         1994-09-20           Record Last Updated:         1995-09-08           Township:         05N           Range:         01W
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters : 5 ft : ON N SIDE OF HWY 12, 2 AIRMI WNW O	Mapping PrecisionSPECIFIC Symbol Type:POINT DF DENVERTON, 1 AIRMI W OF MT DIABLO MER	Element:         1994-09-20           Site:         1994-09-20           Record Last Updated:         1995-09-08           Township:         05N           Range:         01W           Section:         35         Qtr: SE           Meridian:         M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters : 5 ft : ON N SIDE OF HWY 12, 2 AIRMI WNW O	Mapping PrecisionSPECIFIC Symbol Type:POINT	Element:         1994-09-20           Site:         1994-09-20           Record Last Updated:         1995-09-08           Township:         05N           Range:         01W           Section:         35         Qtr: 3E           Meridian:         M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters : 5 ft : ON N SIDE OF HWY 12, 2 AIRMI WNW O I:PLANTS FOUND ON THE TOPS AND SID	Mapping PrecisionSPECIFIC Symbol Type:POINT DF DENVERTON, 1 AIRMI W OF MT DIABLO MER DES OF THE LARGER MOUNDS; NOT IN THE SW WITH MOUNDS SURROUNDED BY VERNALLY W	Element:         1994-09-20           Site:         1994-09-20           Record Last Updated:         1995-09-08           Township:         05N           Range:         01W           Section:         35         Qtr: 3E           Meridian:         M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai Ecological	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters : 5 ft : ON N SIDE OF HWY 12, 2 AIRMI WNW O I: PLANTS FOUND ON THE TOPS AND SID : IN HUMMOCKY ANNUAL GRASSLAND V BROMUS, DISTICHLIS SPICATA, AVENA	Mapping PrecisionSPECIFIC Symbol Type:POINT DF DENVERTON, 1 AIRMI W OF MT DIABLO MER DES OF THE LARGER MOUNDS; NOT IN THE SW WITH MOUNDS SURROUNDED BY VERNALLY W	Element: 1994-09-20 Site: 1994-09-20 Record Last Updated: 1995-09-08 Township: 05N Range: 01W Section: 35 Qtr: SE Meridian: M RIDIAN. VALES BETWEEN THE MOUNDS. /ET SWALES. IN SOLANO LOAM SOIL. ASSOCIATED WITH
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation: Location Location Detai Ecological Threat:	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.22897° / -121.93439° Zone-10 N4231757 E593267 80 meters : 5 ft : ON N SIDE OF HWY 12, 2 AIRMI WNW O I: PLANTS FOUND ON THE TOPS AND SID : IN HUMMOCKY ANNUAL GRASSLAND V BROMUS, DISTICHLIS SPICATA, AVENA	Mapping PrecisionSPECIFIC Symbol Type:POINT DF DENVERTON, 1 AIRMI W OF MT DIABLO MER DES OF THE LARGER MOUNDS; NOT IN THE SW WITH MOUNDS SURROUNDED BY VERNALLY W A, AND HEMIZONIA. GRAZED BY CATTLE. POTENTIAL THREATS INC	Element: 1994-09-20 Site: 1994-09-20 Record Last Updated: 1995-09-08 Township: 05N Range: 01W Section: 35 Qtr: SE Meridian: M RIDIAN. VALES BETWEEN THE MOUNDS. /ET SWALES. IN SOLANO LOAM SOIL. ASSOCIATED WITH

Carquinez goldenbush		Element Code:		
State	us ———	NDDB Element Ranks	Other Lists —	
Federal: None		Global: G1	CNPS List: 1	B.1
State: None		State: S1.1		
	AND FOOTHILL GRASSLAND.			
Micro: ALKALI	NE SUILS, FLATS, LOWER HILLS. ON LOV	V BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF	MOUNDS IN SWALE I	навітат. 1-20М.
Occurrence No.	. 7 Map Index: 41667	EO Index: 42728		s Last Seen
Occ Rank:				ent: 1933-09-17
•	Natural/Native occurrence		S	ite: 1933-09-17
	Presumed Extant Unknown		Record Last Upda	ated: 2000-05-04
		g (3812127/481A), Denverton (3812128/481B), Antioch North	n (3812117/481D). Jers	ey Island (3812116/480C). R
	Vista (3812126/480B)			, ,
	: Sacramento, Solano			
	38.12619º / -121.78745º		Township: 03N	
UTM: Radius:	Zone-10 N4220510 E606277 5 mile	Mapping PrecisionNON-SPECIFIC	Range: 02E Section: 05	Qtr: XX
Elevation:	••	Symbol Type:POINT	Meridian: M	<b>44</b> • 1/1
	: MONTEZUMA HILLS, WEST OF RIO VIST I:EXACT LOCATION NOT KNOWN. SITE M	A. APPED TO INCLUDE GENERAL AREA OF THE MONTEZU	IMA HILLS.	
		THIS SITE IS 1933 COLLECTION BY HOWELL.		
Owner/Manager	: UNKNOWN			
Occurrence No.	. 8 Map Index: 10073	EO Index: 42729	Date	s Last Seen
Occ Rank:	Unknown			ent: 1929-10-26
-	Natural/Native occurrence		S	ite: 1929-10-26
	Presumed Extant		Record Last Upda	ated: 2003-07-01
	Unknown			2005-01-01
Quad Summary: County Summary	: Elmira (3812138/498C)			
	38.28879º / -121.96247º		Township: 05N	
-	Zone-10 N4238367 E590735		Range: 01W	
Radius:		Mapping PrecisionNON-SPECIFIC	Section: 10	Qtr: SW
Elevation:	80 ft	Symbol Type:POINT	Meridian: M	
Location	VANDEN, BASE OF PELLEJO HILLS.			
Location Detail	EXACT LOCATION NOT KNOWN, UNABL	E TO LOCATE 'PELLEJO HILLS'. SITE MAPPED AT VANDI	EN STATION.	
Ecological	: SUBSALINE PLAINS.			
-		CTIONS BY JEPSON: 1891 (SN JEPS, #32915 UNK, SN UC	C) FROM "MORNING L	.IGHT", "VANDEN" & 1929
Contrain.		TATION OF "MORNING LIGHT ['SUBSALINE PLAINS EAST		
Owner/Manager	UNKNOWN			
Occurrence No.	. 9 <b>Map Index:</b> 42889	EO Index: 42889	Date	s Last Seen
Occ Rank:	-			ent: 1999-09-26
	Natural/Native occurrence			ite: 1999-09-26
Presence:	Presumed Extant		<b>_</b>	
Trend:	Unknown		Record Last Upda	ated: 2000-05-08
Quad Summary	: Dozier (3812137/498D)			
County Summary	: Solano			
Lat/Long:	38.31542º / -121.84196º		Township: 06N	
-	Zone-10 N4241446 E601237		Range: 01E	
	1.3 acres	Mapping PrecisionSPECIFIC	Section: 34	Qtr: SE
Elevation	25 ft	Symbol Type:POLYGON	Meridian: M	
		ILE WEST OF HIGHWAY 113, NORTHWEST OF DOZIER A	ND SOUTH OF DIXON	۷.
Location Detail	MAPPED ALONG SECTION LINE BETWE	EN SECTIONS 34 AND 35, JUST NORTH OF ROAD.		
Ecological	ANNUAL GRASSLAND WITH DISTICHLIS	, LOLIUM, BROMUS HORDEACEOUS, AND B. DIANDRUS		
Threat:	ROAD MAINTENANCE, GRAZING IN ADJ	ACENT FIELD.		
	ROAD MAINTENANCE, GRAZING IN ADJ 12 PLANTS OBSERVED IN 1999. SITE IS			

Carquinez goldenbush			Element Code: PDAST57050 Other Lists	
Federal: None State: None	IS	NDDB Element Ranks     Global: G1     State: S1.1		ist: 1B.1
Habitat As				
	' AND FOOTHILL GRASSLAND. NE SOILS, FLATS, LOWER HILLS. C	ON LOW BENCHES NEAR DRAINAGES 8	ON TOPS & SIDES OF MOUNDS IN SW	ALE HABITAT. 1-20M.
Occurrence No.		390 EO Index: 428		Dates Last Seen
•	Natural/Native occurrence Presumed Extant			Element: 1999-XX-XX Site: 1999-XX-XX
Trend:	Unknown		Record Last	Updated: 2000-05-08
Quad Summary: County Summary	: Denverton (3812128/481B) : Solano			
-	38.19342º / -121.89516º		Township:	
	Zone-10 N4227852 E596748 14.7 acres	Mapping PrecisionS	PECIFIC Section:	
Elevation:	10 ft	Symbol Type:Pe		Μ
		NTEZUMA, ABOUT 2 MILES SOUTH OF H		
Location Detail	I:5 COLONIES MAPPED IN 1 POLYG SECTION 17.	SON ALONG DIRT ROAD ABOUT 0.3 MIL	E WEST OF SHILO ROAD. MAPPED MO	STLY WITHIN THE SW1/4 NW1/4
Threat:	NATURAL GAS EXPLORATION IN	THE AREA, BUT PROBABLY NOT A THR	EAT?	
General:	ONLY SOURCE OF INFORMATION	I FOR THIS SITE IS 1999 MAP FROM TH	E STATE LANDS COMMISSION (PREPA	RED BY JONES AND STOKES).
Owner/Manager:	UNKNOWN			
Occurrence No.	. 11 Map Index: 428	391 EO Index: 428	• •	Dates Last Seen
Occ Rank:			I	Element: 1999-XX-XX Site: 1999-XX-XX
-	Natural/Native occurrence Presumed Extant			Sile. 1999-77-77
	Unknown		Record Last	Updated: 2000-05-08
Quad Summary: County Summary	: Denverton (3812128/481B) : Solano			
Lat/Long:	38.18255º / -121.89608º		Township:	04N
	Zone-10 N4226645 E596681	Manning President	Range:	
Elevation:	7.7 acres 10 ft	Mapping PrecisionSl Symbol Type:P		
Location	NORTH OF MONTEZUMA, ABOUT	2.6 MILES SOUTH OF HIGHWAY 12 ALC	, NG W-SIDE OF SHILO ROAD, EAST OF	GRIZZLY ISLAND.
Location Detail	2 COLONIES MAPPED IN 1 POLYG SECTION 20.	GON ALONG DIRT ROAD ABOUT 0.35 MI	-E WEST OF SHILO ROAD. MAPPED WI	ITHIN THE NW 1/4 NW 1/4
Threat:	NATURAL GAS EXPLORATION IN	THE AREA, BUT PROBABLY NOT A LAR	GE THREAT.	
General:	ONLY SOURCE OF INFORMATION	I FOR THIS SITE IS 1999 MAP FROM TH	E STATE LANDS COMMISSION (PREPA	RED BY JONES AND STOKES).
Owner/Manager:	UNKNOWN			
Occurrence No.	. 12 Map Index: 428	392 EO Index: 428		Dates Last Seen
Occ Rank:			I	Element: 1999-XX-XX Site: 1999-XX-XX
•	Natural/Native occurrence Presumed Extant			Sile. 1999-AX-AX
	Unknown		Record Last	Updated: 2000-05-08
-	: Denverton (3812128/481B)			
County Summary				
-	38.16997º / -121.89988º Zone-10 N4225246 E596365		Township: Range:	
	8.6 acres	Mapping PrecisionS		
Elevation:		Symbol Type:P		
	WEST OF MONTEZUMA, ABOUT 3	5.5 MILES SOUTH OF HIGHWAY 12 ALON	IG W-SIDE OF SHILO ROAD, EAST OF G	GRIZZLY ISLAND.
Location	A COLONY MADDED ALONC SOLIT	TH SIDE OF DRAINAGE ABOUT 0.5 MILE	WEST OF CEMETERY AT MONTEZUMA	A. MAPPED WITHIN THE SE1/4
	SE1/4 SECTION 20.			
Location Detail	SE1/4 SECTION 20.	THE AREA, BUT PROBABLY NOT A LAR	GE THREAT.	

Carquinez goldenbush		E	Element Code: PDAST57050	
Statu	s	NDDB Element Ranks	Other Lists	
Federal: None		Global: G1	CNPS List: 1B.1	
State: None		State: S1.1		
——— Habitat As	sociations —			
General: VALLEY	AND FOOTHILL GRASSLAND.			
Micro: ALKALIN	E SOILS, FLATS, LOWER HILLS. ON	LOW BENCHES NEAR DRAINAGES & ON TOP	S & SIDES OF MOUNDS IN SWALE HABI	TAT. 1-20M.
Occurrence No.	13 Map Index: 54736	6 EO Index: 54736	Dates Las	st Seen —
Occ Rank:	Good			2003-04-27
•	Natural/Native occurrence		Site:	2003-04-27
	Presumed Extant Unknown		Record Last Updated:	2004-03-18
				2001.00.10
	Dozier (3812137/498D)			
County Summary:	Solano			
Lat/Long:	38.27040° / -121.83000°		Township: 05N	
	Zone-10 N4236464 E602345		Range: 01E	
	0.4 acres	Mapping PrecisionSPECIFIC	Section: 23	Qtr: NE
Elevation:	16 π	Symbol Type:POLYGON	Meridian: M	
Location:	WEST SIDE OF OLCOTT LAKE, SOU	TH OF OLCOTT.		
Location Detail:	ONE SMALL COLONY LOCATED NEA	AR FENCE LINE MAPPED IN THE NORTHWEST	1/4 OF THE NORTHEAST 1/4 OF SECTION	ON 23
		MULTIFLORUM, BROMUS HORDEACEUS, HO	RDEUM DEPRESSUM, BRODIAEA TERR	ESTRIS, &
	SPERGULARIA MACROTHECA.			
Ū.	SPERGULARIA MACROTHECA. SITE ADJACENT TO RAILROAD.			

Northern California black wal	nut		Element Co	de: PDJUG02040		
Status		NDDB	Element Ranks	<ul> <li>Other Lists</li> </ul>		
Federal: None			bal: G1	CNPS Li	st: 1B.1	
State: None		Si	ate: S1.1			
Habitat Associ	ations ———					
General: RIPARIAN FO	DREST, RIPARIAN WOODL	AND. FEW EXTAN	IT NATIVE STANDS REMAIN; WIDELY NATURA	ALIZED.		
Micro: DEEP ALLUV	/IAL SOIL ASSOCIATED WI	TH A CREEK OR S	TREAM. 0-395M.			
Occurrence No. 3	Map Index:	17206	EO Index: 9845	_	Dates La	st Seen
Occ Rank: Non	e			E	Element:	XXXX-XX-XX
•	ural/Native occurrence				Site:	2002-10-XX
Presence: Extin				Record Last	Undatada	2002 11 21
Trend: Unk	nown			Record Last	opuateu.	2002-11-21
Quad Summary: Rio	Vista (3812126/480B), Isletc	on (3812125/480A),	Courtland (3812135/497D), Florin (3812144/496	B), Clarksburg (3812	145/497A)	1
County Summary: Sac	ramento, Solano, Yolo					
Lat/Long: 38.3	30672º/-121.57422º			Township:	05N	
UTM: Zon	e-10 N4240809 E624659			Range:	04E	
Area:			Mapping PrecisionNON-SPECIFIC	Section:		Qtr: XX
Elevation: 0 ft			Symbol Type:POLYGON	Meridian:	М	
	NG THE SACRAMENTO R	IVER, BETWEEN F	REEPORT AND RIO VISTA, MOSTLY AT WALK	IUT GROVE.		
Location: ALC						
	ES WERE ALONG BOTH S	IDES OF RIVER.				
Location Detail: TRE	ES WERE ALONG BOTH S HIGH SPOTS ALONG THE					
Location Detail:TRE Ecological: ON	HIGH SPOTS ALONG THE	BANK.	Y WERE CUT PRIOR TO 1949 ACCORDING TO	D SMITH, 1949.		

estern red bat			t Code: AMACC05060	
Federal: None State: None		NDDB Element Ranks     Global: G5     State: S3?	CDFG Status: SC	
General: ROOST		/E GROUND, FROM SEA LEVEL UP THROUGH MIXED I TREES THAT ARE PROTECTED FROM ABOVE & OPE		OR FORAGING
Occurrence No	0. 65 Map Index: 68993	EO Index: 69702	Dates Las	st Seen ——
Occ Rank	: Unknown			1999-09-24
•	: Natural/Native occurrence		Site:	1999-09-24
	: Presumed Extant : Unknown		Record Last Updated:	2007-04-19
Quad Summary	r: Rio Vista (3812126/480B)			
County Summary	/: Sacramento			
-	: 38.14667º/-121.64745º		Township: 04N	
	Zone-10 N4222952 E618515 : 1/10 mile	Manning ProvisionNON SPECIEIC	Range: 03E	Otro DE
Elevation		Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Section: 33 Meridian: M	Qtr: SE
Location Detai	II: MAPPED ACCORDING TO LAT/LONG	D MILES SE OF INTERSECTION OF HWYS 12 AND 160. COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LI	STS 4 COORD
Location Detai Ecologica	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6	ALITY "RIVER EDGE." SOURCE LI	STS 4 COORD
Location Detai Ecologica General	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6	ALITY "RIVER EDGE." SOURCE LI	STS 4 COORD
Location Detai Ecologica General	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. T: DPR-BRANNAN ISLAND SRA	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LI	
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME II: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LIS 66). —— Dates Las Element:	<b>st Seen</b>
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME II: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LIS 66). —— Dates Las Element:	st Seen
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME II: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LIS 66). —— Dates Las Element:	s <b>t Seen</b> 1999-08-31 1999-08-31
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LI 65). — Dates Las Element: Site:	s <b>t Seen</b> 1999-08-31 1999-08-31
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. T: DPR-BRANNAN ISLAND SRA 6 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Denverton (3812128/481B)	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LI 65). — Dates Las Element: Site:	s <b>t Seen</b> 1999-08-31 1999-08-31
Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown :: Denverton (3812128/481B) <i>r</i> : Solano : 38.15135° / -121.97225°	COORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS.	ALITY "RIVER EDGE." SOURCE LI 65). — Dates Las Element: Site:	s <b>t Seen</b> 1999-08-31 1999-08-31
Location Detail Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. T: DPR-BRANNAN ISLAND SRA 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Denverton (3812128/481B) :: Solano : 38.15135° / -121.97225° Zone-10 N4223107 E590048	ECOORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS. EO Index: 69709	ALITY "RIVER EDGE." SOURCE LI 65). — Dates Las Element: Site: Record Last Updated: Township: 04N Range: 01W	<b>St Seen</b> 1999-08-31 1999-08-31 2007-04-19
Location Detail Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Denverton (3812128/481B) /: Solano : 38.15135° / -121.97225° Zone-10 N4223107 E590048 : 1/10 mile	ECOORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS. EO Index: 69709 Mapping PrecisionNON-SPECIFIC	ALITY "RIVER EDGE." SOURCE LI 65). — Dates Las Element: Site: Record Last Updated: Township: 04N	s <b>t Seen</b> 1999-08-31 1999-08-31
Location Detail Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Denverton (3812128/481B) r: Solano : 38.15135° / -121.97225° Zone-10 N4223107 E590048 : 1/10 mile : 0 ft	ECOORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS. EO Index: 69709 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	ALITY "RIVER EDGE." SOURCE LI 65). —— Dates Las Element: Site: Record Last Updated: ————————————————————————————————————	<b>St Seen</b> 1999-08-31 1999-08-31 2007-04-19
Location Detail Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown :: Denverton (3812128/481B) /: Solano : 38.15135° / -121.97225° Zone-10 N4223107 E590048 : 1/10 mile : 0 ft :: GRIZZLY ISLAND, ABOUT 0.25 MILES	ECOORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS. EO Index: 69709 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT S SSE OF CALIFORNIA STATE FISH AND GAME HEAD	ALITY "RIVER EDGE." SOURCE LI 65). —— Dates Las Element: Site: Record Last Updated: ————————————————————————————————————	<b>St Seen</b> 1999-08-31 1999-08-31 2007-04-19
Location Detail Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detail	II: MAPPED ACCORDING TO LAT/LONG FOR "BRANNAN SRA." BAT ASSUME I: NO TREES. CONSISTS OF GRASSLA : BAT(S) DETECTED ON 24 SEP 1999. r: DPR-BRANNAN ISLAND SRA 0. 69 Map Index: 68997 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown :: Denverton (3812128/481B) /: Solano : 38.15135° / -121.97225° Zone-10 N4223107 E590048 : 1/10 mile : 0 ft : GRIZZLY ISLAND, ABOUT 0.25 MILES II: MAPPED ACCORDING TO LAT/LONG	ECOORDINATES PROVIDED BY SOURCE, WITH LOCA D TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-6 ND OR SHRUBS. EO Index: 69709 Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	ALITY "RIVER EDGE." SOURCE LI 65). <b>—— Dates Las Element:</b> Site: Record Last Updated: Township: 04N Range: 01W Section: 33 Meridian: M QUARTERS.	<b>St Seen</b> 1999-08-31 1999-08-31 2007-04-19

oary bat				Element Code: AMACC05030		
State	ıs ————		NDDB Element Ranks	Other Lists		
Federal: None			Global: G5	CDFG Sta	tus:	
State: None			State: S4?			
Habitat As	sociations —					
General: PREFER	RS OPEN HABITATS OR	HABITAT MOSAIC	S, WITH ACCESS TO TREES FOR COVE	R & OPEN AREAS OR HABITAT	EDGES FO	OR FEEDING.
Micro: ROOST	S IN DENSE FOLIAGE OF	F MEDIUM TO LAR	GE TREES. FEEDS PRIMARILY ON MOT	THS. REQUIRES WATER.		
Occurrence No.	122 <b>Map</b>	Index: 56465	EO Index: 68885		Dates La	st Seen
Occ Rank:	Unknown					1916-03-15
-	Natural/Native occurrenc	e			Site:	1916-03-15
	Presumed Extant			Becord Los	t Undatadı	2007-03-19
Trend:	Unknown			Record Las	t Opdated:	2007-03-19
Quad Summary:	Fairfield South (3812221	/482A)				
County Summary	Solano					
Lat/Long:	38.23849º / -122.04013º			Township	05N	
	Zone-10 N4232712 E584	4000		Range:		
	3/5 mile		Mapping PrecisionNON-SPE			Qtr: XX
Elevation:			Symbol Type:POINT	Meridian:	М	
	SUISIN CITY.		Symbol Type:POINT	Meridian:	м	
Location	SUISIN CITY.	TO LAT/LONG COO			М	
Location Location Detail	SUISIN CITY.		DRDINATES PROVIDED BY MANIS, WITH	H UNCERTAINTY OF 804.672M.	М	
Location Location Detail General:	: SUISIN CITY. :MAPPED ACCORDING 1 MALE SPECIMEN (MV			H UNCERTAINTY OF 804.672M.	м	
Location Location Detail	: SUISIN CITY. :MAPPED ACCORDING 1 MALE SPECIMEN (MV		DRDINATES PROVIDED BY MANIS, WITH	H UNCERTAINTY OF 804.672M.	м	
Location Location Detail General:	: SUISIN CITY. :MAPPED ACCORDING 1 MALE SPECIMEN (MV : UNKNOWN		DRDINATES PROVIDED BY MANIS, WITH	H UNCERTAINTY OF 804.672M.	M • Dates La:	st Seen
Location Location Detail General: Owner/Manager	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map	/Z #106317) COLLE	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M.	· Dates La	st Seen 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map	/Z #106317) COLLE	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M.	• Dates La: Element:	
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin:	SUISIN CITY. MAPPED ACCORDING MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown	/Z #106317) COLLE	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	· Dates La: Element: Site:	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	SUISIN CITY. MAPPED ACCORDING MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc	/Z #106317) COLLE	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	· Dates La: Element: Site:	1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map 1 Unknown Natural/Native occurrenc Presumed Extant	/Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	· Dates La: Element: Site:	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	SUISIN CITY. MAPPED ACCORDING MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/4808	/Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	· Dates La: Element: Site:	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occcurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	SUISIN CITY. MAPPED ACCORDING MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/4808	(Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	• Dates La: Element: Site: t Updated:	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/480B Sacramento	(Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.  Record Las	· Dates La: Element: Site: t Updated: : 04N	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrence Presumed Extant Unknown Rio Vista (3812126/4808 Sacramento 38.14667° / -121.64745°	(Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITI	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.  Record Las  Township:  Range:	Dates La: Element: Site: t Updated: : 04N 03E	1999-09-24 1999-09-24
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/480B Sacramento 38.14667° / -121.64745° Zone-10 N4222952 E618 1/10 mile	(Z #106317) COLLE Index: 68993 e	DRDINATES PROVIDED BY MANIS, WITH CTED AT "SUISIN" BY A.L. SCARLETT C EO Index: 69701	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.  Record Las  Township:  Range:	Dates La: Element: Site: t Updated: : 04N 03E 33	1999-09-24 1999-09-24 2007-04-19
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrence Presumed Extant Unknown Rio Vista (3812126/4808 Sacramento 38.14667° / -121.64745° Zone-10 N4222952 E618 1/10 mile 20 ft	(Z #106317) COLLE	DRDINATES PROVIDED BY MANIS, WITH CTED AT "SUISIN" BY A.L. SCARLETT C EO Index: 69701	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.  Record Las  Township:  Range:  ECIFIC Section:  Meridian:	Dates La: Element: Site: t Updated: : 04N 03E 33	1999-09-24 1999-09-24 2007-04-19
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/480E : Sacramento 38.14667° / -121.64745° Zone-10 N4222952 E618 1/10 mile 20 ft : BRANNAN ISLAND, ABC : MAPPED ACCORDING	(Z #106317) COLLE Index: 68993 e )) 3515 DUT 1.8 ROAD MIL TO LAT/LONG CO(	DRDINATES PROVIDED BY MANIS, WITH CTED AT "SUISIN" BY A.L. SCARLETT O EO Index: 69701 Mapping PrecisionNON-SPE Symbol Type:POINT	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	Dates La: Element: Site: t Updated: 04N 03E 33 M	1999-09-24 1999-09-24 2007-04-19 Qtr: SE
Location Location Detail General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detail	SUISIN CITY. MAPPED ACCORDING 1 MALE SPECIMEN (MV UNKNOWN 207 Map I Unknown Natural/Native occurrenc Presumed Extant Unknown Rio Vista (3812126/480E : Sacramento 38.14667° / -121.64745° Zone-10 N4222952 E618 1/10 mile 20 ft : BRANNAN ISLAND, ABC : MAPPED ACCORDING	(Z #106317) COLLE	CRDINATES PROVIDED BY MANIS, WITH CTED AT "SUISIN" BY A.L. SCARLETT C EO Index: 69701 Mapping PrecisionNON-SPE Symbol Type:POINT ES SE OF INTERSECTION OF HWYS 12 DRDINATES PROVIDED BY SOURCE, W BE DETECTED AT ALL 4 LOCATIONS (	H UNCERTAINTY OF 804.672M. DN 15 MAR 1916.	Dates La: Element: Site: t Updated: 04N 03E 33 M	1999-09-24 1999-09-24 2007-04-19 Qtr: SE

State		Element Code: PDAST5L040						
				ement Ranks	Other Lists			
Federal: Endang	ered		Globa		CNPS Li	ist: 1B.1		
State: None				<b>:</b> S1.1				
				MONTANE WOODLAND. EXTIRPATE				
				RASSY AREAS. 1-445M.		INGE, EA	I REIM. ENDANGE	
Occurrence No.	. 3 Map Index: 09732		09732	EO Index: 16733		Dates Last Seen		
Occ Rank:					E		2002-04-25	
-	Natural/Native occ	currence				Site:	2002-04-25	
	Presumed Extant Unknown				Record Last	Updated:	2007-05-03	
Quad Summary	: Fairfield South (38	312221/482A)						
County Summary	: Solano							
Lat/Long:	: 38.23477º / -122.0	05954°			Township:	05N		
UTM:	Zone-10 N423228	31 E582306			Range:			
Area: Elevation:	15.0 acres			Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: Meridian:		Qtr: XX	
				O'REHR RD ESPECIALLY ALONG L				
	AND EVEN SOUT	TH OF HWY 12	2. ALL THESE COLON	NES MAPPED AS ONE OCCURRENC	CE.			
Ecological				L DRAINAGE IN PASTURE W/VERN				
Ecological				L DRAINAGE IN PASTURE W/VERN/ A CORONOPIFOLIA, FRANKENIA, EF				
-	MULTIFLORUM, L CORONARIA.	LASTHENIA G	LABERRIMA, COTUL		RYNGIUM, PSILOCARPHUS	S BREVIS	SIMUS, AND BRO	
Threat:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT	LASTHENIA G D, MOST VEG TS SEEN IN 19	LABERRIMA, COTUL	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000	RYNGIUM, PSILOCARPHUS	S BREVIS DS. INDUS	SIMUS, AND BRO	
Threat:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G	LASTHENIA G D, MOST VEG TS SEEN IN 19	LABERRIMA, COTUL REMOVED BY DISK 291, BUT SITE WAS V	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000	RYNGIUM, PSILOCARPHUS	S BREVIS DS. INDUS	SIMUS, AND BRO	
Threat: General:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT	LASTHENIA G D, MOST VEG TS SEEN IN 19	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE IS SEEN IN 1993, 1500 IN 1	S BREVIS DS. INDUS 994, EST.	SIMUS, AND BRO	
Threat: General: Owner/Manager	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4	LASTHENIA G D, MOST VEG TS SEEN IN 19 GENTRY" IN 19	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE IS SEEN IN 1993, 1500 IN 1	S BREVIS DS. INDUS 994, EST. Dates La: Element:	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	MULTIFLORUM, L CORONARIA. HEAVILY GRAZEI ABOUT 75 PLANT 220 ACRES AT "G PVT 4 Unknown Natural/Native occ	LASTHENIA G D, MOST VEG TS SEEN IN 19 SENTRY" IN 19 Map Index:	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE IS SEEN IN 1993, 1500 IN 1	S BREVIS DS. INDUS 994, EST. Dates La	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	MULTIFLORUM, L CORONARIA. HEAVILY GRAZEI ABOUT 75 PLANT 220 ACRES AT "G PVT . 4 Unknown	LASTHENIA G D, MOST VEG TS SEEN IN 19 SENTRY" IN 19 Map Index:	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE IS SEEN IN 1993, 1500 IN 1	S BREVIS DS. INDUS 994, EST. Dates La Element: Site:	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MULTIFLORUM, L CORONARIA. HEAVILY GRAZEI ABOUT 75 PLANT 220 ACRES AT "G PVT 4 Unknown Natural/Native occ Presumed Extant	LASTHENIA G D, MOST VEG TS SEEN IN 19 3ENTRY" IN 19 Map Index: currence	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLAND S SEEN IN 1993, 1500 IN 1  	S BREVIS DS. INDUS 994, EST. Dates La Element: Site:	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT - 4 : Unknown : Natural/Native occ : Presumed Extant Unknown : Denverton (38121)	LASTHENIA G D, MOST VEG TS SEEN IN 19 3ENTRY" IN 19 Map Index: currence	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLAND S SEEN IN 1993, 1500 IN 1  	S BREVIS DS. INDUS 994, EST. Dates La Element: Site:	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT - 4 : Unknown : Natural/Native occ : Presumed Extant Unknown : Denverton (38121)	LASTHENIA G D, MOST VEG TS SEEN IN 1 SENTRY" IN 19 Map Index: currence 28/481B)	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS E ISITED LATE IN THE SEASON. 1000 FIELDWORK.	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLAND S SEEN IN 1993, 1500 IN 1  	S BREVIS SS. INDUS 994, EST. Dates La Element: Site: Updated:	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Natural/Native occ : Presumed Extant Unknown : Denverton (38121) : Solano : 38.23005° / -121.9 Zone-10 N423186	LASTHENIA G D, MOST VEG TS SEEN IN 19 BENTRY" IN 19 Map Index: currence 28/481B) 94181°	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731	RYNGIUM, PSILOCARPHUS SEEN IN 1993, 1500 IN 1 CRECORD Last Record Last Township: Range:	Dates La Dates La Element: Site: Updated: 05N 01W	SIMUS, AND BRC STRIAL DEV. PRO 6,500 PLANTS S st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Natural/Native occ : Presumed Extant Unknown : Denverton (38121: : Solano : 38.23005° / -121.9 Zone-10 N423186 1.8 acres	LASTHENIA G D, MOST VEG TS SEEN IN 19 BENTRY" IN 19 Map Index: currence 28/481B) 94181°	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE S SEEN IN 1993, 1500 IN 1  Record Last  Township: Range: Section:	Dates La Element: Site: Updated: 05N 01W 35	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No. Occ Rank: Orcigin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Natural/Native occ : Presumed Extant Unknown : Denverton (38121: : Solano : 38.23005° / -121.9 Zone-10 N423186 1.8 acres	LASTHENIA G D, MOST VEG TS SEEN IN 19 BENTRY" IN 19 Map Index: currence 28/481B) 94181°	LABERRIMA, COTUL REMOVED BY DISK 391, BUT SITE WAS V 399. NEED UPDATED	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731	RYNGIUM, PSILOCARPHUS SEEN IN 1993, 1500 IN 1 CRECORD Last Record Last Township: Range:	Dates La Element: Site: Updated: 05N 01W 35	SIMUS, AND BRC STRIAL DEV. PRO 6,500 PLANTS S st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Denverton (381212 : Solano : Solano : 38.23005° / -121.9 Zone-10 N423186 1.8 acres : 13 ft : SOUTH OF TRAV	LASTHENIA G D, MOST VEG TS SEEN IN 19 SENTRY" IN 19 Map Index: currence 28/481B) 94181° 39 E592616	LABERRIMA, COTUL I. REMOVED BY DISK 1991, BUT SITE WAS V 1999. NEED UPDATED 10113 10113	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731 Mapping PrecisionSPECIFIC Symbol Type:POLYGON IGHWAY 12 ABOUT 0.5 MILE EAST (	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE S SEEN IN 1993, 1500 IN 1  Record Last  Record Last  Township: Range: Section: Meridian:  DF BRANSCOMBE ROAD,	05N 05N 05N 05N 05N 01W 05N 01W 05N 01W 05N 01W	SIMUS, AND BRC STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Denverton (381212 : Solano : Solano : 38.23005° / -121.9 Zone-10 N423186 1.8 acres : 13 ft : SOUTH OF TRAV	LASTHENIA G D, MOST VEG TS SEEN IN 19 SENTRY" IN 19 Map Index: currence 28/481B) 94181° 39 E592616	LABERRIMA, COTUL I. REMOVED BY DISK 1991, BUT SITE WAS V 1999. NEED UPDATED 10113 10113	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE S SEEN IN 1993, 1500 IN 1  Record Last  Record Last  Township: Range: Section: Meridian:  DF BRANSCOMBE ROAD,	05N 05N 05N 05N 05N 01W 05N 01W 05N 01W 05N 01W	SIMUS, AND BRC STRIAL DEV. PRO 6,500 PLANTS SI st Seen	
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	MULTIFLORUM, L CORONARIA. : HEAVILY GRAZEI : ABOUT 75 PLANT 220 ACRES AT "G : PVT . 4 : Unknown : Denverton (381212 : Solano : Solano : 38.23005° / -121.9 Zone-10 N423186 1.8 acres : 13 ft : SOUTH OF TRAV	LASTHENIA G D, MOST VEG TS SEEN IN 19 SENTRY" IN 19 Map Index: currence 28/481B) 94181° 39 E592616	LABERRIMA, COTUL I. REMOVED BY DISK 1991, BUT SITE WAS V 1999. NEED UPDATED 10113 10113	A CORONOPIFOLIA, FRANKENIA, EF ING (3/94) EXCEPT SMALL AREAS D ISITED LATE IN THE SEASON. 1000 FIELDWORK. EO Index: 16731 Mapping PrecisionSPECIFIC Symbol Type:POLYGON IGHWAY 12 ABOUT 0.5 MILE EAST (	RYNGIUM, PSILOCARPHUS DELINEATED AS WETLANE S SEEN IN 1993, 1500 IN 1  Record Last  Record Last  Township: Range: Section: Meridian:  DF BRANSCOMBE ROAD,	05N 05N 05N 05N 05N 01W 05N 01W 05N 01W 05N 01W	SIMUS, AND BRO STRIAL DEV. PRO 6,500 PLANTS SI st Seen	

ontra Costa goldfields					Element C	ode: PDAST5L040		
State: None	ered			NDDB Element Ranks Global: G1 State: S1.1		Other Lists     CNPS L	ist: 1B.1	
General: VALLEY				OLS, CISMONTANE WOC I OPEN GRASSY AREAS.		OM MOST OF ITS RA	ANGE; EXT	FREM. ENDANC
Occurrence No.	. 5	Map Index:	10127	EO Index	: 21904		Dates La	st Seen ——
-	Natural/Native occu					I		1974-06-20 1993-04-14
	Possibly Extirpated	ł				Record Last	Updated:	2007-04-26
Quad Summary:	: Elmira (3812138/49	98C)						
County Summary	: Solano							
UTM:	38.30806º / -121.9 Zone-10 N4240522					Township: Range:	01W	
Area: Elevation:					isionNON-SPECIFIC	Section: Meridian:		Qtr: NW
	DISTURBED SITE	N IN 1988-VE	RY DRY SPF	POLYGON ALONG VAND RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA	ZO). NO PLANTS SEEN II			
General:	NO PLANTS SEEN DISTURBED SITE : PVT	N IN 1988-VE	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALL	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN			NNUALS.
General: Owner/Manager Occurrence No. Occ Rank:	NO PLANTS SEEN DISTURBED SITE : PVT . 7 Good	N IN 1988-VEF THAT WAS C Map Index:	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; ARE#	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN	ITRODUCED GRASS	ES AND À Dates La: Element:	NNUALS. <sup>´</sup> st Seen 2003-04-XX
General: Owner/Manager Occurrence No. Occ Rank: Origin:	: NO PLANTS SEEN DISTURBED SITE : PVT . 7 : Good : Natural/Native occu	N IN 1988-VEF THAT WAS C Map Index:	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; ARE#	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN	ITRODUCED GRASS	ES AND À Dates La: Element:	NNUALS. <sup>´</sup> st Seen
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	NO PLANTS SEEN DISTURBED SITE : PVT . 7 Good	N IN 1988-VEF THAT WAS C Map Index:	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; ARE#	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN	ITRODUCED GRASS	ES AND À Dates La: Element: Site:	NNUALS. st Seen 2003-04-XX 2003-04-XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	NO PLANTS SEEN DISTURBED SITE PVT . 7 Good Natural/Native occu Presumed Extant Unknown : Elmira (3812138/48	N IN 1988-VEH THAT WAS C Map Index: urrence	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; ARE#	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN	ITRODUCED GRASS	ES AND À Dates La: Element: Site:	NNUALS. st Seen 2003-04-XX 2003-04-XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	NO PLANTS SEEN DISTURBED SITE PVT . 7 Good Natural/Native occu Presumed Extant Unknown : Elmira (3812138/48	N IN 1988-VER THAT WAS C Map Index: urrence 98C)	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; ARE#	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN	ITRODUCED GRASS	ES AND À Dates La: Element: Site: Updated:	NNUALS. st Seen 2003-04-XX 2003-04-XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	NO PLANTS SEEN DISTURBED SITE PVT 7 Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano 38.28095° / -121.9 Zone-10 N423747	MIN 1988-VER THAT WAS C Map Index: urrence 98C) 18353°	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN : 21918	ITRODUCED GRASS	ES AND À Dates La: Element: Site: Updated: 05N 01W	NNUALS. st Seen 2003-04-XX 2003-04-XX 2007-04-24
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	NO PLANTS SEEN DISTURBED SITE PVT 7 Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano 38.28095º / -121.9 Zone-10 N4237477 166.1 acres	MIN 1988-VER THAT WAS C Map Index: urrence 98C) 18353°	RY DRY SPF ONCE VERN	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN : 21918 isionSPECIFIC	ITRODUCED GRASS Record Last Township: Range: Section:	ES AND À Dates La: Element: Site: Updated: 05N 01W 16	NNUALS. st Seen 2003-04-XX 2003-04-XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	NO PLANTS SEEN DISTURBED SITE PVT . 7 . Good Natural/Native occi Presumed Extant Unknown : Elmira (3812138/49 : Solano : 38.28095° / -121.9 Zone-10 N423747 166.1 acres : 45 ft	N IN 1988-VER THAT WAS C Map Index: urrence 98C) 8353° 7 E588902	RY DRY SPF DNCE VERN 09982	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec Symbol 1	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN : 21918 isionSPECIFIC 'ype:POLYGON	ITRODUCED GRASS Record Last Township: Range: Section: Meridian:	ES AND À Dates La: Element: Site: Updated: 05N 01W 16	NNUALS. st Seen 2003-04-XX 2003-04-XX 2007-04-24
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary County Summary Lat/Long: UTM: Area: Elevation:	NO PLANTS SEEN DISTURBED SITE PVT Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano Blano Solano 38.28095º / -121.9 Zone-10 N423747 166.1 acres 45 ft WEST OF TRAVIS	Map Index: Map Index: urrence 98C) 9853° 7 E588902 6 AFB; EAST /	AND NORTH	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec Symbol 1	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN : 21918 isionSPECIFIC 'ype:POLYGON IRBASE PARKWAY AND	Township: Record Last Township: Range: Section: Meridian: WALTERS ROAD.	ES AND À Dates La: Element: Site: Updated: 05N 01W 16 M	NNUALS. st Seen 2003-04-XX 2003-04-XX 2007-04-24 Qtr: N
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	NO PLANTS SEEN DISTURBED SITE PVT 7 Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano 38.28095° / -121.9 Zone-10 N423747 166.1 acres 45 ft WEST OF TRAVIS	N IN 1988-VEI THAT WAS C Map Index: urrence 98C) 7 E588902 8 AFB; EAST / 51 PORTIONS	AND NORTH	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec Symbol 1	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN : 21918 isionSPECIFIC iype:POLYGON NRBASE PARKWAY AND N 17, AND NW 1/4 OF SEC	Township: Record Last Township: Range: Section: Meridian: WALTERS ROAD. CTION 21. 1995 KELC	ES AND À Dates La: Element: Site: Updated: 05N 01W 16 M CH COLLE:	NNUALS. st Seen 2003-04-XX 2003-04-XX 2007-04-24 Qtr: N
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Detail	NO PLANTS SEEN DISTURBED SITE PVT  7 Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano 38.28095° / -121.9 Zone-10 N423747 166.1 acres 45 ft WEST OF TRAVIS INORTH AND WES WALTERS ROAD, ALKALINE VERNA	Map Index: THAT WAS C Map Index: urrence 98C) 8353° 7 E588902 6 AFB; EAST / ST PORTIONS FAIRFIELD", AL POOLS/VE	AND NORTH S OF SECTIC ATTRIBUTE	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec Symbol 1 I OF INTERSECTION OF A DN 16, SE 1/4 OF SECTION	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN 21918 isionSPECIFIC ype:POLYGON IRBASE PARKWAY AND N 17, AND NW 1/4 OF SEC 5, BUT EXACT LOCATION GRASSLAND. WITH LOLIU	Township: Record Last Township: Range: Section: Meridian: WALTERS ROAD. CTION 21. 1995 KELC OF ADDRESS UNKN IM MULTIFLORUM, P	ES AND À Dates La: Element: Site: Updated: 05N 01W 16 M CH COLLE: OWN. LAGIOBO	NNUALS. st Seen 2003-04-XX 2003-04-XX 2007-04-24 Qtr: N CTION FROM " THRYS STIPIT/
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	NO PLANTS SEEN DISTURBED SITE PVT  7 Good Natural/Native occu Presumed Extant Unknown Elmira (3812138/49 Solano 38.28095° / -121.9 Zone-10 N423747 166.1 acres 45 ft WEST OF TRAVIS INORTH AND WES WALTERS ROAD, ALKALINE VERNA MICRANTHUS, DO ET AL.	MIN 1988-VEI THAT WAS C Map Index: urrence 98C) 8353° 7 E588902 63 AFB; EAST / 54 PORTIONS FAIRFIELD". AL POOLS/VE DWNINGIA IN	AND NORTH S OF SECTIO ATTRIBUTE	RING, LITTLE RAIN (CALLI AL POOL HABITAT; AREA EO Index Mapping Prec Symbol 1 OF INTERSECTION OF A DN 16, SE 1/4 OF SECTION D TO THIS OCCURRENCI E WITHIN NON-NATIVE C	ZO). NO PLANTS SEEN IN NOW DOMINATED BY IN 21918 21919	Township: Record Last Township: Range: Section: Meridian: WALTERS ROAD. CTION 21. 1995 KELC OF ADDRESS UNKN MULTIFLORUM, P IFORNICUS, COTUL	Dates La: Element: Site: Updated: 05N 01W 16 M CH COLLE: VOWN. LAGIOBO' A CORONI	st Seen           2003-04-XX           2003-04-XX           2007-04-24           Qtr: N           CTION FROM "           THRYS STIPITA           OPIFOLIA, RUN

Contra Costa goldfields					Element	t Code: PDAST5L040		
Federal: Endang			—— N	DDB Element Ranks Global: G1		Other Lists     CNPS L	ist: 1B.1	
State: None				State: S1.1				
General: VALLEY				LS, CISMONTANE WOO OPEN GRASSY AREAS.		FROM MOST OF ITS RA	ANGE; EXT	REM. ENDANGE
Occurrence No.	. 19	Map Index:	09759	EO Index	9463		Dates Las	st Seen
Occ Rank:	None						Element:	1985-05-08
•	Natural/Native oc						Site:	1994-XX-XX
	Possibly Extirpate	ed				Record Last	Undated:	1996-02-05
Trend:	Unknown					Necolu Las	opuateu.	1330-02-03
Quad Summary:	Fairfield South (3	812221/482A)						
County Summary	: Solano							
Lat/Long:	38.24015º / -122	.05179º				Township:	05N	
UTM:	Zone-10 N42328	86 E582979				Range:	02W	
	8.6 acres			Mapping Preci	sionSPECIFIC	Section:		Qtr: XX
Elevation:	10 ft			Symbol T	ype:POLYGON	Meridian:	М	
Threat:	MINIMUS. CURRENTLY GR 2 POPULATIONS "SUISUN". SITE	RAZED AND ZO S WERE HERE	DNED FOR INE	IATED WITH ERYNGIUM DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN	NT. INDUSTRIAL DEVE	LOPMENT ALREADY E	XISTS NEA	ARBY.
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index:	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG.	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NEA RMER OCC Dates Las Element:	ARBY. C. #9 KNOWN FF
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index:	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG.	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NE/ RMER OCC Dates Las Element: Site:	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MINIMUS. CURRENTLY GR 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG.	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NE/ RMER OCC Dates Las Element: Site:	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG.	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NE/ RMER OCC Dates Las Element: Site:	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B)	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG.	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NE/ RMER OCC Dates Las Element: Site: Updated:	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812 : Solano 38.22448°/ -121. Zone-10 N42312	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) 	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index	NT. INDUSTRIAL DEVE NOT FOUND IN 1988; N IG. : 17769	LOPMENT ALREADY E O RAIN. INCLUDES FO	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812: Solano 38.22448°/-121. Zone-10 N42312 130.0 acres	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) 	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci	NT. INDUSTRIAL DEVENOT FOUND IN 1988; N IG. : 17769 sionSPECIFIC	LOPMENT ALREADY E O RAIN. INCLUDES FO  Record Last Township: Range: Section:	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03	ARBY. C. #9 KNOWN FF st Seen 2004-04-29 2004-04-29
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812: Solano 38.22448°/-121. Zone-10 N42312 130.0 acres	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) 	DNED FOR INI , e and w of 34; no plant:	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci	NT. INDUSTRIAL DEVE NOT FOUND IN 1988; N IG. : 17769	LOPMENT ALREADY E O RAIN. INCLUDES FO  Record Last Township: Range:	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03	ARBY. C. #9 KNOWN FF 3t Seen 2004-04-29 2004-04-29 2007-04-25
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812 : Solano 38.22448°/-121. Zone-10 N42312 130.0 acres 5 ft	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) .96410° 29 E590672	DNED FOR INI , E AND W OF 94; NO PLANT: 10039	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci	NT. INDUSTRIAL DEVE IOT FOUND IN 1988; N IG. : 17769 sionSPECIFIC ype:POLYGON	LOPMENT ALREADY E O RAIN. INCLUDES FO Record Last Township: Range: Section: Meridian:	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03 M	ARBY. C. #9 KNOWN FF 3t Seen 2004-04-29 2004-04-29 2007-04-25
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812: Solano 38.22448°/-121. Zone-10 N42312 130.0 acres 5 ft SOUTH OF TRA'	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) .96410° 229 E590672 VIS AFB, ALON DNIES MAPPED	DNED FOR INE , E AND W OF 24; NO PLANT 10039 NG BOTH SIDE D SOUTH OF K	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci Symbol T	NT. INDUSTRIAL DEVE NOT FOUND IN 1988; N IG. : 17769 sionSPECIFIC ype:POLYGON ID SOUTH OF HIGHWA	LOPMENT ALREADY E O RAIN. INCLUDES FO Record Last Township: Range: Section: Meridian: INY 12, EAST OF FAIRFI	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03 M ELD. C, IN THE N	ARBY. C. #9 KNOWN FF 2004-04-29 2004-04-29 2007-04-25 Qtr: N NE 1/4 OF SECTI
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation Location Detail	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812: Solano 38.22448°/-121 Zone-10 N42312 130.0 acres 5 ft SOUTH OF TRA' SEVERAL COLO LARGER AREA ( VERNAL POOLS	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) 966410° 29 E590672 VIS AFB, ALON DNIES MAPPEE OF PLANTS SC S, GRASSLAND	DNED FOR INE , E AND W OF 24; NO PLANT; 10039 NG BOTH SIDE D SOUTH OF K DUTH OF HWY D AND SEASOI	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci Symbol T ES OF SCALLY ROAD AN KILDEER ROAD BETWEE	NT. INDUSTRIAL DEVE NOT FOUND IN 1988; N IG. : 17769 sionSPECIFIC ype:POLYGON ID SOUTH OF HIGHWA ROAD AND BRANSCO LANO LOAM SOIL. ASS	LOPMENT ALREADY E O RAIN. INCLUDES FO Record Last Township: Range: Section: Meridian: NY 12, EAST OF FAIRFI INE AND SCALLY ROAI MBE ROAD, IN THE N 1 SOCIATED WITH LASTH	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03 M ELD. C, IN THE N /2 OF SEC IENIA PLA <sup>2</sup>	ARBY. C. #9 KNOWN FF 2004-04-29 2004-04-29 2007-04-25 Qtr: N NE 1/4 OF SECTI TION 3. TYCARPHA,
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	MINIMUS. CURRENTLY GF 2 POPULATIONS "SUISUN". SITE PVT 20 Excellent Natural/Native oc Presumed Extant Unknown Denverton (3812: Solano 38.22448°/-121 Zone-10 N42312 130.0 acres 5 ft SOUTH OF TRA' SEVERAL COLO LARGER AREA C VERNAL POOLS PSILOCARPHUS AL.	RAZED AND ZC S WERE HERE DISKED IN 199 Map Index: ccurrence t 128/481B) 966410° 229 E590672 VIS AFB, ALON DNIES MAPPEL OF PLANTS SC S, GRASSLAND S, FRANKENIA	DNED FOR INE , E AND W OF 94; NO PLANT; 10039 NG BOTH SIDE D SOUTH OF K DUTH OF HWY D AND SEASOI GRANDIFOLI/	DUSTRIAL DEVELOPMEI PENNSYLVANIA AVE. N S FOUND AFTER DISKIN EO Index Mapping Preci Symbol T ES OF SCALLY ROAD AN KILDEER ROAD BETWEE ( 12 BETWEEN SCALLY NAL WETLANDS ON SOI	NT. INDUSTRIAL DEVE NOT FOUND IN 1988; N IG. : 17769 sionSPECIFIC ype:POLYGON ID SOUTH OF HIGHWA ROAD AND BRANSCO LANO LOAM SOIL. ASS RUS MINIMUS, PLAGIC	LOPMENT ALREADY E O RAIN. INCLUDES FO Record Last Township: Range: Section: Meridian: AY 12, EAST OF FAIRFI INE AND SCALLY ROAI MBE ROAD, IN THE N 1 SOCIATED WITH LASTH DBOTHRYS, PLEUROPO	XISTS NE/ RMER OCC Dates Las Element: Site: Updated: 04N 01W 03 M ELD. C, IN THE N /2 OF SEC IENIA PLA <sup>2</sup>	ARBY. C. #9 KNOWN FF 2004-04-29 2004-04-29 2007-04-25 Qtr: N NE 1/4 OF SECTI TION 3. TYCARPHA,

Contra Costa goldfields				Elemen	t Code: PDAST5L040		
State			NDDB Element Ranks		Other Lists		
Federal: Endange	ered		Global: G1		CNPS Lis	st: 1B.1	
State: None			State: S1.1				
	sociations						
			NAL POOLS, CISMONTANE WO		FROM MOST OF ITS RA	INGE; EX I	REM. ENDANGER
Occurrence No.	. 22	Map Index: 303	303 EO Ind	lex: 21933		Dates Las	st Seen
Occ Rank:					E	Element:	1999-05-XX
Origin:	Natural/Native occur	rrence				Site:	1999-05-XX
	Presumed Extant				<b>-</b>		0007.05.00
Trend:	Fluctuating				Record Last	Updated:	2007-05-03
Quad Summary:	: Elmira (3812138/498	8C)					
County Summary	,	,					
		0.150			<b>.</b>	0.511	
	38.26805° / -121.97 Zone-10 N4236055				Township: Range:		
	24.8 acres	E369620	Manning Pr	ecisionSPECIFIC	Section:		Qtr: NE
Elevation:				ol Type:POLYGON	Meridian:		Gen. VL
			IR FORCE BASE LANDING STR				
Location Detail			NGLE POLYGON AT CNDDB. CO				
	BOTH SIDES OF IN	IN TRACKS 500	ITH OF THE STRIP. HABITAT N	EAR RR TRACKS IS GOU	D; NEAR RUNWAY, HAB		AL ONLY FAIR.
Ecological		L POOLS. MANY	NATIVES. ADJACENT UPLAND				
-	: ALKALINE VERNAL ASTRAGALUS TEN	L POOLS. MANY NER TENER ALS	NATIVES. ADJACENT UPLAND	OS SERIOUSLY INVADED	BY INTRODUCED ANNU	JAL GRAS	SES AND LEGUM
Threat:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI	L POOLS. MANY NER TENER ALS ED FOR HORSE LANTS SEEN IN	YNATIVES. ADJACENT UPLAND O NEARBY.	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN	BY INTRODUCED ANNU	JAL GRAS NUAL FAIF (. 25 ACRI	SSES AND LEGUM R. ES IN "TRAVIS AFI
Threat: General:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI	L POOLS. MANY NER TENER ALS ED FOR HORSE LANTS SEEN IN	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN	BY INTRODUCED ANNU	JAL GRAS NUAL FAIF (. 25 ACRI	SSES AND LEGUM R. ES IN "TRAVIS AFI
Threat: General:	: ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET : DOD-TRAVIS AFB	L POOLS. MANY NER TENER ALS ED FOR HORSE LANTS SEEN IN	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT	JAL GRAS NUAL FAIF (. 25 ACRI	SSES AND LEGUM R. ES IN "TRAVIS AFI HIS SITE.
Threat: General: Owner/Manager	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT	JAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI HIS SITE.
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT	JAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. St Seen
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  E	JAL GRAS NUAL FAIF (. 25 ACRI ED TO TH Dates Las Element: Site:	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT	JAL GRAS NUAL FAIF (. 25 ACRI ED TO TH Dates Las Element: Site:	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  E	JAL GRAS NUAL FAIF (. 25 ACRI ED TO TH Dates Las Element: Site:	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown E Elmira (3812138/498	L POOLS. MANY IER TENER ALS 2D FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  E	JAL GRAS NUAL FAIF (. 25 ACRI ED TO TH Dates Las Element: Site:	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown E Elmira (3812138/498	L POOLS. MANY LER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C)	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  Record Last	JAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown E Elmira (3812138/498 : Solano	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C)	YNATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  E	JAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown Elmira (3812138/498 : Solano	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C)	VATIVES: ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE I 1993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX 988 EO Ind	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB,	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  E Record Last	UAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown Elmira (3812138/494 Solano 38.28568° / -121.95 Zone-10 N4238025 87.8 acres	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C)	AATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE 11993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX 288 EO Ind Mapping Pro	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB, lex: 568	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB' ATTRIBUT E Record Last Township: Range:	UAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFF IIS SITE. <b>st Seen</b> 1999-XX-XX 1999-XX-XX 2007-04-25
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 I Good Natural/Native occur Presumed Extant Unknown Elmira (3812138/498 Solano 38.28568° / -121.95 Zone-10 N4238025 87.8 acres 70 ft	L POOLS. MANY LER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C) 5817° E591115	AATIVES. ADJACENT UPLANE O NEARBY. GRAZING. PART OF SITE BLAE 11993. EST. 6,500 SEEN BY CO ON "VERNAL POOL COMPLEX 288 EO Ind Mapping Pro	DED ANNUALLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB, lex: 568 ecisionSPECIFIC of Type:POLYGON	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  Record Last Township: Range: Section: Meridian:	JAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. 1999-XX-XX 1999-XX-XX 2007-04-25 Qtr: NW
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown Elimira (3812138/498 Solano 38.28568° / -121.95 Zone-10 N4238025 87.8 acres 7.0 ft NW OF TRAVIS AFI	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN AL. COLLECTI Map Index: 329 rrence 8C) 5817° E591115 B, EAST OF PE/	ABODY ROAD, SOUTH OF SOU Mapping Pro- Symbol Mapping Pro- Symbol Mapping Sub- ABODY ROAD, SOUTH OF SOU CATED NORTHEAST AND SOU	DED ANNUALLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB, lex: 568 ecisionSPECIFIC of Type:POLYGON THERN PACIFIC RAILRO	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT  Record Last Township: Range: Section: Meridian: AD & WEST OF SACRAM	UAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. 1999-XX-XX 1999-XX-XX 2007-04-25 Qtr: NW DRTHERN RAILRO
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown 2 Elmira (3812138/498 38.28568° / -121.95 Zone-10 N4238025 87.8 acres 5 70 ft 2 NW OF TRAVIS AFI TWO SIGNIFICANT DEPRESSIONS (M/ 2 LOW, MOIST PLAC	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN F AL. COLLECTI Map Index: 329 rrence 8C) 5817° E591115 B, EAST OF PE/ COLONIES LO ANMADE FURR	ABODY ROAD, SOUTH OF SOU CATED NORTHEAST AND SOU CATED NORTHEAST AND SOU CONSULTION OF AND SOU CATED NORTHEAST AND SOU CATED NORTHEAST AND SOU CATED NORTHEAST AND SOU	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB, lex: 568 ecisionSPECIFIC of Type:POLYGON THERN PACIFIC RAILRO THWEST OF VANDEN HI NTIOCH AND SAN YSIDR	BY INTRODUCED ANNU VIDE PARKING FOR ANN VOWN SITE ON APPROX TRAVIS AFB" ATTRIBUT E Record Last Township: Range: Section: Meridian: AD & WEST OF SACRAM GH SCHOOL. L. CONJUC	UAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. 1999-XX-XX 1999-XX-XX 2007-04-25 Qtr: NW DRTHERN RAILRO PECIALLY ABUND.
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation Location Location Detail Ecological	ALKALINE VERNAL ASTRAGALUS TEN SEASONALLY USE APPROX. 22,000 PI 1999 COLLINGE ET DOD-TRAVIS AFB 24 Good Natural/Native occur Presumed Extant Unknown Elimira (3812138/498 Solano 38.28568° / -121.95 Zone-10 N4238025 87.8 acres 70 ft NW OF TRAVIS AFI TWO SIGNIFICANT DEPRESSIONS (M/ LOW, MOIST PLAC PLAGIOBOTHRYS	L POOLS. MANY VER TENER ALS ED FOR HORSE LANTS SEEN IN T AL. COLLECTI Map Index: 329 rrence 8C) 5817° E591115 B, EAST OF PE/ COLONIES LO ANMADE FURR ES AND VERNA STIPITATUS MI	ABODY ROAD, SOUTH OR SU	DS SERIOUSLY INVADED DED ANNUALLY TO PROV LLINGE IN 1999 AT UNKN NEAR THE AERO CLUB, lex: 568 ecisionSPECIFIC DI Type:POLYGON THERN PACIFIC RAILRO THWEST OF VANDEN HI NTIOCH AND SAN YSIDR AND LASTHENIA GLABE	BY INTRODUCED ANNU VIDE PARKING FOR ANN NOWN SITE ON APPROX TRAVIS AFB' ATTRIBUT E Record Last Township: Range: Section: Meridian: MAD & WEST OF SACRAN GH SCHOOL. L. CONJUC RO SOILS. ASSOCIATED RRIMA.	UAL GRAS	SSES AND LEGUM R. ES IN "TRAVIS AFI IIS SITE. st Seen 1999-XX-XX 1999-XX-XX 2007-04-25 Qtr: NW Qtr: NW DRTHERN RAILRO PECIALLY ABUND. LIUM MULTIFLORI

Owner/Manager: PVT

Contra Costa goldfields	.us		N	NDDB Element Ranks	Eleme	ent Code: PDAST5L040 Other Lists		
Federal: Endange State: None	ered			Global: G1 State: S1.1		CNPS L	ist: 1B.1	
	AND FOOTHILL (			DLS, CISMONTANE WOO OPEN GRASSY AREAS.		D FROM MOST OF ITS R.	ANGE; EXT	IREM. ENDANGERED
Occurrence No. Occ Rank: Origin:		Map Index:	32993	EO Index	: 541			st Seen 1993-XX-XX 1993-XX-XX
Presence:	Presumed Extant Unknown					Record Las	Updated:	1996-02-05
-	Fairfield North (38	312231/499D)						
County Summary								
UTM:	38.27456° / -122. Zone-10 N423674 80 meters 60 ft			Mapping Preci Symbol T	sionSPECIFIC ype:POINT	Township: Range: Section: Meridian:	01W 17	Qtr: SW
Location	NE OF FAIRFIEL	D; 0.1 MI N OF	AIR BASE P	ARKWAY, 1.75 AIRMI DU	E S OF SUMMIT OF	CEMENT HILL.		
General:	ABOUT 10 PLAN	TS IN 1993.						
Owner/Manager:	UNKNOWN							
Occurrence No. Occ Rank:		Map Index:	42506	EO Index	: 42506			1998-05-08
Presence:	Natural/Native oc Presumed Extant Unknown	currence				Record Las		1998-05-08 2000-03-07
Quad Summary:	Fairfield South (38	312221/482A)						
County Summary		,						
UTM:	38.21325º / -122. Zone-10 N422984 1/10 mile 10 ft				sionNON-SPECIFIC ype:POINT	Township: Range: Section: Meridian:	02W 07	Qtr: KX
Location	CORDELIA, ALO	NG CORDELIA	A ROAD ABO	JT 0.7 MILE EAST OF PIT	MAN ROAD, SOUTH	WEST OF FAIRFIELD.		
Location Detail	SITE IS 30 METE CORDELIA ROAI			ROAD AND 0.7 MILE EAS	ST OF JUNCTION WI	TH PITMAN ROAD. MAPP	ED AT BEI	ND IN ROAD BETWEE
Ecological	: GROWING IN GR	ASSY CAUSE	WAY AND AL	ONG BANKS OF A PON	D.			
	ALONG SHARED					AUSEWAY; DISPERSED F PS) & 1998 (#98021 JEPS)		SE PATCHES GROWI
Owner/Manager:	: PVT							
Occurrence No.		Map Index:	43586	EO Index	43586		Dates La	
Occ Rank: Origin:	Unknown Natural/Native oc	currence						1999-XX-XX 1999-XX-XX
Presence:	Presumed Extant Unknown					Record Las	Updated:	2000-08-22
-	Denverton (38121	28/481B)						
County Summary								
-	38.23215º / -121. Zone-10 N42321					Township: Range:		
	9.7 acres			Mapping Preci Symbol T	sionSPECIFIC ype:POLYGON	Section: Meridian:	36	Qtr: SW
Location	SOUTH OF TRA	/IS AFB, ALON	IG NORTH SI	DE OF HIGHWAY 12 ABC	OUT 1.2 MILES EAST	OF BRANSCOMBE ROAI	D, EAST O	F FAIRFIELD.
Location Detail	:MAPPED WITHIN	I THE W 1/2 S	W 1/4 SECTIO	DN 36.				

Contra Costa goldfields		Eleme	nt Code: PDAST5L040	
Status		NDDB Element Ranks	Other Lists	
Federal: Endangered		Global: G1	CNPS List: 18	3.1
State: None		State: S1.1		
Habitat Associations	i			
General: VALLEY AND FOO	THILL GRASSLAND, VERNAL	POOLS, CISMONTANE WOODLAND. EXTIRPATE	FROM MOST OF ITS RANGE;	EXTREM. ENDANG
		S, IN OPEN GRASSY AREAS. 1-445M.		
Occurrence No. 36	Map Index: 24709	EO Index: 51716	Dates	Last Seen
Occurrence No. 38 Occ Rank: None	wap muex. 24709	EO IIIdex. 51716		nt: 1918-10-01
Origin: Natural/Na	ativo occurropco			e: 1918-10-01
Presence: Possibly E				
Trend: Unknown			Record Last Updat	ted: 2005-09-20
Quad Summary: Elmira (38	12138/498C)			
County Summary: Solano				
Lat/Long: 38.32825°	º/-121.96125º		Township: 06N	
UTM: Zone-10 N	V4242747 E590791		Range: 01W	
Radius: 3/5 mile		Mapping PrecisionNON-SPECIFIC	Section: 34	Qtr: XX
Elevation: 150 ft		Symbol Type:POINT	Meridian: M	
Location: LITTLE OA	AK.			
		Y OF THE JEPSON FAMILY'S LITTLE OAK RANCH,		

Owner/Manager: UNKNOWN

California black rail					Element C	ode: ABNME03041		
Federal: None	us ————		N	DDB Element Ranks Global: G4T1		Other Lists     CDFG Stat		
State: Threater	ned			State: S1		CDFG Stat	us.	
Habitat As	sociations —							
					IS OF SALTWATER MAR URING THE YEAR & DEN			
Occurrence No.	20	Map Index:	37831	EO Index	25814		Dates La	st Seen ———
Occ Rank:						I	Element:	2006-04-06
•	Natural/Native occ	currence					Site:	2006-04-06
	Presumed Extant					Record Last	Undated.	2008-02-06
	Unknown						opulicu.	2000 02 00
-	Fairfield South (38	312221/482A)						
County Summary	: Solano							
-	38.22656º / -122.					Township:		
	Zone-10 N423138	84 E583542				Range:		
Area: Elevation:	10.4				sionNON-SPECIFIC ype:POLYGON	Section: Meridian:		Qtr: XX
Lievation.	1011			Symbol I	ype.FOLIGON	Wendian.	IVI	
					; POSSIBILITY OF FERA			
General:	ONE RAIL OBSEI 2004. 6 BIRDS OI	RVED IN JUL BSERVED 22	1977. 1 BIRD (		I; POSSIBILITY OF FERA 2. 4 BREEDING ADULTS (			
General: Owner/Manager	ONE RAIL OBSEI 2004. 6 BIRDS OI DFG-PEYTONIA	RVED IN JUL BSERVED 22 SLOUGH ER	1977. 1 BIRD ( FEB & 1 OBSE	DBSERVED IN MAY 2002 RVED 6 APR 2006.	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20		DS OBSERVED 1API
General:	ONE RAIL OBSEI 2004. 6 BIRDS OF DFG-PEYTONIA	RVED IN JUL BSERVED 22	1977. 1 BIRD ( FEB & 1 OBSE	DBSERVED IN MAY 2002	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	003. 7 BIRI Dates La	DS OBSERVED 1API
General: Owner/Manager Occurrence No. Occ Rank:	ONE RAIL OBSEI 2004. 6 BIRDS OF DFG-PEYTONIA	RVED IN JUL BSERVED 22 SLOUGH ER Map Index:	1977. 1 BIRD ( FEB & 1 OBSE	DBSERVED IN MAY 2002 RVED 6 APR 2006.	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	003. 7 BIRI Dates La	DS OBSERVED 1API
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	ONE RAIL OBSE 2004. 6 BIRDS OI DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant	RVED IN JUL BSERVED 22 SLOUGH ER Map Index:	1977. 1 BIRD ( FEB & 1 OBSE	DBSERVED IN MAY 2002 RVED 6 APR 2006.	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	Dates Las Element: Site:	DS OBSERVED 1APP st Seen 2006-03-27 2006-03-27
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ONE RAIL OBSE 2004. 6 BIRDS OF DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence	1977. 1 BIRD ( FEB & 1 OBSE 44408	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	Dates Las Element: Site:	DS OBSERVED 1APP st Seen 2006-03-27
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ONE RAIL OBSE 2004. 6 BIRDS OF DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence	1977. 1 BIRD ( FEB & 1 OBSE 44408	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	Dates Las Element: Site:	DS OBSERVED 1APP st Seen 2006-03-27 2006-03-27
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	ONE RAIL OBSE 2004. 6 BIRDS OF DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair	1977. 1 BIRD ( FEB & 1 OBSE 44408	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	Dates La: Dates La: Element: Site: Updated:	DS OBSERVED 1APP st Seen 2006-03-27 2006-03-27
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	ONE RAIL OBSE 2004. 6 BIRDS OI DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 : Solano	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826°	1977. 1 BIRD ( FEB & 1 OBSE 44408	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index	. 4 BREEDING ADULTS (	DBSERVED 29 JAN 20	Dates La: Dates La: Element: Site: Updated: 04N 01W	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	ONE RAIL OBSE 2004. 6 BIRDS OU DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 Solano 38.19228º / -122. Zone-10 N422760	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826°	1977. 1 BIRD ( FEB & 1 OBSE 44408	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index 12221/482A) Mapping Preci	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC	DBSERVED 29 JAN 20	003. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18	DS OBSERVED 1APP st Seen 2006-03-27 2006-03-27
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	ONE RAIL OBSE 2004. 6 BIRDS OF DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 Solano 38.19228º / -122. Zone-10 N422760 9 ft	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826 <sup>0</sup> 05 E585969	1977. 1 BIRD ( FEB & 1 OBSE 44408 field South (38	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index 12221/482A) Mapping Preci Symbol T	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC ype:POLYGON	DBSERVED 29 JAN 20	003. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	ONE RAIL OBSE 2004. 6 BIRDS OI DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 : Solano 38.19228° / -122. Zone-10 N422760 9 ft : RUSH RANCH, S	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826° 05 E585969 W OF GRIZZL	1977. 1 BIRD ( FEB & 1 OBSE 44408 field South (38	DESERVED IN MAY 2002 RVED 6 APR 2006. EO Index 12221/482A) Mapping Preci Symbol T	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC ype:POLYGON IN CITY.	DBSERVED 29 JAN 20  Record Last Township: Range: Section: Meridian:	OO3. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18 M	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08 Qtr: XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	ONE RAIL OBSE 2004. 6 BIRDS OI DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 : Solano 38.19228° / -122. Zone-10 N422760 9 ft : RUSH RANCH, S	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826° 05 E585969 W OF GRIZZL GIVE LOCATIO	1977. 1 BIRD ( FEB & 1 OBSE 44408 field South (38 	DBSERVED IN MAY 2002 RVED 6 APR 2006. EO Index 12221/482A) Mapping Preci Symbol T , 3 MILES SSE OF SUISU SUISUN MARSH" & "SUI	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC ype:POLYGON	DBSERVED 29 JAN 20  Record Last Township: Range: Section: Meridian:	OO3. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18 M	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08 Qtr: XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation Location Detail	ONE RAIL OBSE 2004. 6 BIRDS OD DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 Solano 38.19228°/-122. Zone-10 N422760 9 ft RUSH RANCH, S MVZ RECORDS ( WERE WITHIN 10 MUDFLATS & SL	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826° 05 E585969 W OF GRIZZL GIVE LOCATIO 00 METERS O OUGHS WITH	1977. 1 BIRD ( FEB & 1 OBSE 44408 field South (38 	DESERVED IN MAY 2002 RVED 6 APR 2006. EO Index 12221/482A) Mapping Preci Symbol T , 3 MILES SSE OF SUISU SUISUN MARSH" & "SUI SUISUN MARSH" & "SUI CATIONS. D & CORD GRASS, IN N/	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC ype:POLYGON IN CITY.	DBSERVED 29 JAN 20  Record Last Township: Range: Section: Meridian: URVEY LOCATIONS /ITH UNMANAGED UI	003. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18 M WITHIN T PLAND AR	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08 Qtr: XX HIS AREA. DETECTI
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Location Detail	ONE RAIL OBSE 2004. 6 BIRDS OD DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 Solano 38.19228° / -122. Zone-10 N422760 9 ft RUSH RANCH, S SMVZ RECORDS ( WERE WITHIN 10 SMUDFLATS & SL CONSISTS OF A	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826° 05 E585969 W OF GRIZZL GIVE LOCATIO 00 METERS O OUGHS WITH BRACKISH M	1977. 1 BIRD ( FEB & 1 OBSE 44408 ffield South (38 Y ISLAND RD DN ONLY AS " F SURVEY LC I PICKLEWEEI ARSH. VEGET	EO Index EO Index EO Index 12221/482A) Mapping Preci Symbol T , 3 MILES SSE OF SUISL SUISUN MARSH" & "SUI CATIONS. D & CORD GRASS, IN N/ ATION INCLUDES SALI	. 4 BREEDING ADULTS ( : 6759 sionNON-SPECIFIC ype:POLYGON IN CITY. SUN". HER04R0001: 10 S NTURAL TIDAL MARSH W	DBSERVED 29 JAN 20 	003. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18 M WITHIN TI PLAND AR PLAND AR PLAND AR	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08 Qtr: XX HIS AREA. DETECTI EA ADJACENT. HAE
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Location Detail Ecological	ONE RAIL OBSE 2004. 6 BIRDS OU DFG-PEYTONIA 22 Excellent Natural/Native occ Presumed Extant Unknown Denverton (38121 Solano 38.19228° / -122. Zone-10 N422760 9 ft RUSH RANCH, S MVZ RECORDS ( WERE WITHIN 10 MUDFLATS & SL CONSISTS OF A INLET & OUTLET PRESENT	RVED IN JUL BSERVED 22 SLOUGH ER Map Index: currence 28/481B), Fair 01826° 05 E585969 W OF GRIZZL GIVE LOCATIK 00 METERS O OUGHS WITH BRACKISH M TIDE GATES 011) & 23524 (	1977. 1 BIRD ( FEB & 1 OBSE 44408 field South (38 	EO Index EO Index EO Index 12221/482A) Mapping Preci Symbol T , 3 MILES SSE OF SUISU SUISUN MARSH" & "SUI SUISUN MARSH" & "SUI CATIONS. D & CORD GRASS, IN N/ TATION INCLUDES SALIG SLOUGH, ENLARGING C 5, '76, '78, '85, '86, '88 & 2	. 4 BREEDING ADULTS ( . 6759 . 6759 	DBSERVED 29 JAN 20 Record Last Township: Range: Section: Meridian: URVEY LOCATIONS VITH UNMANAGED UI RPUS SPP., AND TYP REASE WATER CAP RD NEAR 2ND MALL/	003. 7 BIRI Dates La: Element: Site: Updated: 04N 01W 18 M WITHIN TI PLAND AR HA SPP. ACITY, RE	DS OBSERVED 1API st Seen 2006-03-27 2008-02-08 Qtr: XX HIS AREA. DETECTI EA ADJACENT. HAE ED FOXES MAY BE

California black rail		Element Co	ode: ABNME03041
State	ıs ————	NDDB Element Ranks	Other Lists
Federal: None		Global: G4T1	CDFG Status:
State: Threater	ned	State: S1	
Habitat As	sociations —		
General: INHABI	'S FRESHWATER MARTSHES, WET MEAD	DOWS & SHALLOW MARGINS OF SALTWATER MARS	HES BORDERING LARGER BAYS.
Micro: NEEDS	WATER DEPTHS OF ABOUT 1 INCH THAT	DOES NOT FLUCTUATE DURING THE YEAR & DEN	SE VEGETATION FOR NESTING HABITAT.
Occurrence No.	. 118 Map Index: 47343	EO Index: 47343	Dates Last Seen
Occurrence No. Occ Rank:	•	EO Index: 47343	Element: 2004-02-20
	Natural/Native occurrence		Site: 2004-02-20
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2007-11-29
Quad Summary:	Denverton (3812128/481B), Fairfield South	(3812221/482A)	
County Summary	: Solano		
Lat/Long:	38.22819º / -121.99552º		Township: 04N
UTM:	Zone-10 N4231610 E587917		Range: 01W
Area:		Mapping PrecisionNON-SPECIFIC	Section: 05 Qtr: XX
Elevation:	5 ft	Symbol Type:POLYGON	Meridian: M
Location	2.3 MILES SE OF SUISUN CITY; LOCATE	D WITHIN MARSH NEAR HILL SLOUGH, NORTH OF P	OTRERO HILLS AND SOUTH OF TOLENAS.
Ecological		ACKISH MARSH. AREA VEGETATED WITH CUSCUTA	
	VIRGINICA, JAUMEA CARNOSA, LIMONIU	JM CALIFORNICUM, ATRIPLEX TRIANGULARIS AND	PLAN FAGO SUBNUDA.
Threat:	THREAT CONSISTS OF BICYCLE/FOOT	TRAFFIC AND STRAY DOGS. JET SKIS ARE BECOMI	NG MORE COMMON, PRODUCING NOISE AND WA
General:	12 SEP 2000: UNKNOWN NUMBER OF IN OBSERVED. IN 2004, 4 WERE OBSERVE	IDIVIDUALS OBSERVED/HEARD. IN 2002, 4 WERE OB	3SERVED. IN MAR 2003, 3 BREEDING ADULTS WE
		D.	
Owner/Manager:	: DFG-HILL SLOUGH WA		
Occurrence No.	129 Map Index: 59862	EO Index: 63294	Dates Last Seen
Occ Rank:	•	LO INDEX. 00234	Element: 2005-03-30
	Natural/Native occurrence		Site: 2005-03-30
•	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2005-11-22
Quad Summary	Fairfield South (3812221/482A)		
County Summary			
Lat/Long:	38.20185º / -122.06517º		Township: 04N
	Zone-10 N4228624 E581850		Range: 02W
Area:		Mapping PrecisionNON-SPECIFIC	Section: 10 Qtr: XX
Elevation:	9 ft	Symbol Type:POLYGON	Meridian: M
Location	FROM JUST NORTH OF, TO 0.5 MILE SW	OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFI	ELD.
Location Detail	7 SURVEY LOCATIONS WITHIN THIS AR	EA. DETECTIONS WITHIN 100 METERS OF SURVEY	LOCATIONS.
Ecological	HABITAT CONSISTS OF A BRACKISH MA	ARSH. VEGETATION INCLUDES SALICORNIA VIRGINI	ICA, SCIRPUS SPP., AND TYPHA SPP.
5			
	3 DETECTIONS ON 30 MAR 2005.		
Owner/Manager:	: DFG-GRIZZLY ISLAND WA, UNKNOWN		
Occurrence No.	. 178 Map Index: 70568	EO Index: 71478	Dates Last Seen
Occ Rank:	-		Element: 2006-05-08
- 5	Natural/Native occurrence		Site: 2006-05-08
	Presumed Extant		Record Last Updated: 2008-02-25
Trend:	Unknown		Necola Lasi opudieu. 2000-02-23
	Fairfield South (3812221/482A)		
-			
Quad Summary: County Summary	Solano		
County Summary Lat/Long:	38.22481º / -122.01415º		Township: 04N
County Summary Lat/Long: UTM:			Range: 01W
County Summary Lat/Long: UTM: Area:	38.22481º / -122.01415º Zone-10 N4231219 E586290	Mapping PrecisionNON-SPECIFIC	Range:01WSection:06Qtr: XX
County Summary Lat/Long: UTM: Area: Elevation:	38.22481º / -122.01415º Zone-10 N4231219 E586290 5 ft	Symbol Type:POLYGON	Range: 01W
County Summary Lat/Long: UTM: Area: Elevation:	38.22481º / -122.01415º Zone-10 N4231219 E586290	Symbol Type:POLYGON	Range:01WSection:06Qtr: XX
County Summary Lat/Long: UTM: Area: Elevation: Location	38.22481° / -122.01415° Zone-10 N4231219 E586290 5 ft : HILL SLOUGH, JUST EAST OF MCCOY C : TIDAL BRACKISH MARSH CHARACTERIZ	Symbol Type:POLYGON REEK, 2.5 MILES ESE OF FAIRFIELD. ZED BY SCIRPUS CALIFORNICUS, JUNCUS BALTICU	Range: 01W Section: 06 Qtr: XX Meridian: M
County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	38.22481° / -122.01415° Zone-10 N4231219 E586290 5 ft : HILL SLOUGH, JUST EAST OF MCCOY C : TIDAL BRACKISH MARSH CHARACTERIZ PONTENTILLA ANSERINA, SALICIRNIA V	Symbol Type:POLYGON REEK, 2.5 MILES ESE OF FAIRFIELD. ZED BY SCIRPUS CALIFORNICUS, JUNCUS BALTICU IRGINICA.	Range: 01W Section: 06 Qtr: XX Meridian: M
County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	38.22481° / -122.01415° Zone-10 N4231219 E586290 5 ft HILL SLOUGH, JUST EAST OF MCCOY C TIDAL BRACKISH MARSH CHARACTERIZ PONTENTILLA ANSERINA, SALICIRNIA V JET SKIS ARE BECOMING MORE COMM	Symbol Type:POLYGON REEK, 2.5 MILES ESE OF FAIRFIELD. ZED BY SCIRPUS CALIFORNICUS, JUNCUS BALTICU	Range: 01W Section: 06 Qtr: XX Meridian: M
County Summary Lat/Long: UTM: Area: Elevation: Location Ecological Threat:	38.22481° / -122.01415° Zone-10 N4231219 E586290 5 ft : HILL SLOUGH, JUST EAST OF MCCOY C : TIDAL BRACKISH MARSH CHARACTERIZ PONTENTILLA ANSERINA, SALICIRNIA V JET SKIS ARE BECOMING MORE COMM RACCOONS.	Symbol Type:POLYGON REEK, 2.5 MILES ESE OF FAIRFIELD. ZED BY SCIRPUS CALIFORNICUS, JUNCUS BALTICU IRGINICA.	Range: 01W Section: 06 Qtr: XX Meridian: M IS, TRIGLOCHIN MARITIMA, DISTICHLIS SPICATA, WAKE; POSSIBILITY OF FERAL CATS, RATS,

California black rail State		Element C     NDDB Element Ranks	code: ABNME03041  Other Lists	
Federal: None State: Threate		Global: G4T1 State: S1	CDFG Status:	
Habitat As				
		IEADOWS & SHALLOW MARGINS OF SALTWATER MAR: HAT DOES NOT FLUCTUATE DURING THE YEAR & DEN		
Occurrence No.	. 183 Map Index: 70577	EO Index: 71487	Dates Las	st Seen ———
Occ Rank:				2006-03-22 2006-03-22
-	Natural/Native occurrence Presumed Extant		Site.	2000-03-22
	Unknown		Record Last Updated:	2008-02-25
Quad Summary	: Vine Hill (3812211/482D), Fairfield Sou	th (3812221/482A)		
County Summary	: Solano			
Lat/Long:	38.12603º / -122.06916º		Township: 03N	
	Zone-10 N4220208 E581585		Range: 02W	
Area: Elevation:		Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Section: 10 Meridian: M	Qtr: XX
Location	: SOUTH END OF JOICE ISLAND.			
		ERIZED BY POTENTILLA ANSERINA, JUNCUS BALTICUS	5, DISTICHLIS SPICATA, SCIRP	US AMERICANUS AN
Threat:	INVASIVE PLANT: LEPIDIUM LATIFO	LIUM.		
		DIVIDUAL WAS DETECTED VOCALLY ON 15 MAR 2004.	10 INDIVIDUALS WERE DETEC	TED VOCALLY ON 28
		ETECTED VOCALLY IN FEB & MAR 2006.		
Owner/Manager	: DOD-NAVY			
Occurrence No.	197 Man Indews 60146	EO Index: 71493	Dates Las	t Soon
Occurrence No. Occ Rank:	•	EO Index: 71493		2005-01-13
	Natural/Native occurrence			2005-01-13
	Presumed Extant Unknown		Record Last Updated:	2007-12-04
			•••••	
Quad Summary: County Summary	: Denverton (3812128/481B) : Solano			
-	38.19002º / -121.90834º		Township: 04N	
UTM: Area:	Zone-10 N4227462 E595597	Mapping PrecisionNON-SPECIFIC	Range: 01E Section: 18	Qtr: XX
Elevation		Symbol Type:POLYGON	Meridian: M	
Location	: ALONG SLOUGH (DENVERTON SLO	UGH?) ALONG EAST SIDE OF BRADMOOR ISLAND.		
Location Detail	: MAPPED ACCORDING TO UTM COO	RDINATES GIVEN FOR SURVEY LOCATION.		
	HABITAT CONSISTS OF A BRACKISH	MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPI	HA SPP., AND SALICORNIA VIF	RGINICA.
Ecological		UGH ON 13 JAN 2005.		
0	2 DETECTED VOCALLY ALONG SLO			
0				
General: Owner/Manager	: UNKNOWN			_
General: Owner/Manager Occurrence No.	: UNKNOWN . 188 <b>Map Index</b> : 70584		Dates Las	
General: Owner/Manager Occurrence No. Occ Rank:	: UNKNOWN . 188 <b>Map Index:</b> 70584 Fair		Element:	t Seen 2005-07-07 2005-07-07
General: Owner/Manager Occurrence No Occ Rank: Origin:	: UNKNOWN . 188 <b>Map Index</b> : 70584		Element: Site:	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence		Element:	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant		Element: Site:	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B)		Element: Site:	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143°		Element: Site: Record Last Updated: Township: 04N	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: UNKNOWN 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342	EO Index: 71494	Element: Site: Record Last Updated: Township: 04N Range: 01E	2005-07-07 2005-07-07 2008-02-25
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342		Element: Site: Record Last Updated: Township: 04N	2005-07-07 2005-07-07
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342 : 8 ft	EO Index: 71494	Element: Site: Record Last Updated: Township: 04N Range: 01E Section: 19 Meridian: M	2005-07-07 2005-07-07 2008-02-25
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342 : 8 ft	EO Index: 71494 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON AY AND EAST OF NURSE SLOUGH, NORTHEASTERN SI	Element: Site: Record Last Updated: Township: 04N Range: 01E Section: 19 Meridian: M	2005-07-07 2005-07-07 2008-02-25
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342 : 8 ft : AREA SOUTH OF LITTLE HONKER BA : MAPPED ACCORDING TO UTM COO	EO Index: 71494 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON AY AND EAST OF NURSE SLOUGH, NORTHEASTERN SI	Element: Site: Record Last Updated: Township: 04N Range: 01E Section: 19 Meridian: M UISUN MARSH.	2005-07-07 2005-07-07 2008-02-25 Qtr: XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	: UNKNOWN . 188 Map Index: 70584 Fair Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17862° / -121.91143° Zone-10 N4226193 E595342 : 8 ft : AREA SOUTH OF LITTLE HONKER BA : MAPPED ACCORDING TO UTM COO : BRACKISH TIDAL MARSH CHARACTI	EO Index: 71494 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON AY AND EAST OF NURSE SLOUGH, NORTHEASTERN SI RDINATES GIVEN.	Element: Site: Record Last Updated: Township: 04N Range: 01E Section: 19 Meridian: M UISUN MARSH.	2005-07-07 2005-07-07 2008-02-25 <b>Qtr:</b> XX

California black rail			nent Code: ABNME03041
Status		NDDB Element Ranks Global: G4T1 State: S1	CDFG Status:
Habitat Associati			
		OWS & SHALLOW MARGINS OF SALTWATER DOES NOT FLUCTUATE DURING THE YEAR	& DENSE VEGETATION FOR NESTING HABITAT.
Occurrence No. 189	Map Index: 70585	EO Index: 71495	Dates Last Seen
Occ Rank: Unkno			Element: 2005-07-07 Site: 2005-07-07
Presence: Presur	al/Native occurrence med Extant		
Trend: Unkno	wn		Record Last Updated: 2007-12-04
Quad Summary: Denve	rton (3812128/481B)		
County Summary: Soland	2		
Lat/Long: 38.196	608º / -121.91020º		Township: 04N
	10 N4228132 E595427		Range: 01E
Radius: 80 me Elevation: 8 ft	iters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 18 Qtr: XX Meridian: M
		ERTON SLOUGH AND UNNAMED SLOUGH, E	
	EAST OF THE JUNCTION OF DENVI ED ACCORDING TO UTM COORDIN	,	AGT OF BRADIVIOUR ISLAIND.
		ED BY TYPHA ANGUSTIFOLIA, SCIRPUS CAL	
-	IVIDUAL DETECTED VOCALLY ON 7		I OKNEGS, AND SEIKFUS ACUTUS.
Owner/Manager: UNKN		JUE 2003.	
Owner/Manager. Orvivi	own		
Occurrence No. 190	Map Index: 70586	EO Index: 71496	Dates Last Seen
Occ Rank: Good			Element: 2005-07-07
Presence: Presur	al/Native occurrence med Extant		<b>Site:</b> 2005-07-07
Trend: Unkno	wn		Record Last Updated: 2008-02-25
Quad Summary: Denve	erton (3812128/481B)		
County Summary: Soland	2		
Lat/Long: 38.200	024º / -121.91384º		Township: 04N
	10 N4228590 E595102		Range: 01E
Radius: 80 me Elevation: 9 ft	hers	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 07 Qtr: XX Meridian: M
Leastion: 0.22 M		F DENVERTON SLOUGH AND UNNAMED SLC	
	ED ACCORDING TO UTM COORDIN		NORTHEAST OF BRADINOOK ISLAND.
		ED BY TYPHA ANGUSTIFOLIA, SCIRPUS CAL	FORNICUS AND SCIRPUS ACUTUS
	IVIDUAL DETECTED VOCALLY ON 7		
Owner/Manager: UNKN		002 2000.	
	Map Index: 70587	EO Index: 71497	Dates Last Seen
Occurrence No. 191			
Occ Rank: Good	I/Native occurrence		Element: 2005-07-07 Site: 2005-07-07
Occ Rank: Good	al/Native occurrence med Extant		Site: 2005-07-07
Occ Rank: Good Origin: Natura	med Extant		
Occ Rank: Good Origin: Natura Presence: Presur	med Extant wwn		Site: 2005-07-07
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno	med Extant own erton (3812128/481B)		Site: 2005-07-07
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland	med Extant own erton (3812128/481B)		Site: 2005-07-07
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland Lat/Long: 38.209 UTM: Zone-	med Extant wm orton (3812128/481B) o 520º / -121.91134º 10 N4229143 E595315		Site:         2005-07-07           Record Last Updated:         2008-02-25           Township:         04N           Range:         01E
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland Lat/Long: 38.205	med Extant wm orton (3812128/481B) o 520º / -121.91134º 10 N4229143 E595315	Mapping PrecisionSPECIFIC Symbol Type:POINT	Site: 2005-07-07 Record Last Updated: 2008-02-25 Township: 04N
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland Lat/Long: 38.209 UTM: Zone- Radius: 80 me Elevation: 7 ft	med Extant wwn erton (3812128/481B) o 520° / -121.91134° 10 N4229143 E595315 eters	Symbol Type:POINT	Site: 2005-07-07 Record Last Updated: 2008-02-25 Township: 04N Range: 01E Section: 07 Qtr: KX Meridian: M
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland Lat/Long: 38.209 UTM: Zone- Radius: 80 me Elevation: 7 ft Location: ALON	med Extant wn erton (3812128/481B) o 520° / -121.91134° 10 N4229143 E595315 aters G DENVERTON SLOUGH, .60 MILES	Symbol Type:POINT	Site: 2005-07-07 Record Last Updated: 2008-02-25 Township: 04N Range: 01E Section: 07 Qtr: KX Meridian: M
Occ Rank: Good Origin: Natura Presence: Presur Trend: Unkno Quad Summary: Denve County Summary: Soland Lat/Long: 38.209 UTM: Zone- Radius: 80 me Elevation: 7 ft Location Detail:MAPP	med Extant wn prton (3812128/481B) p 520° / -121.91134° 10 N4229143 E595315 sters G DENVERTON SLOUGH, .60 MILES PED ACCORDING TO UTM COORDIN	Symbol Type:POINT	Site: 2005-07-07 Record Last Updated: 2008-02-25 Township: 04N Range: 01E Section: 07 Qtr: XX Meridian: M LOUGH AND UNNAMED SLOUGH.

Status         NDDE Element Rans         Other Lats           Pederati. Nova:         Biobalit. (52)         OHRI Lats:         DURING           Generati. FESSOR/MEE: AND BACKGHI MARSHES         Batt: 522         During Lats:         During Lats:           Generati. FESSOR/MEE: AND BACKGHI MARSHES         ED Index: 19209         — Data Lats: Seen.           Generati. FESSOR/MEE: AND BACKGHI MARSHES         ED Index: 19209         — Data Lats: Seen.           Oce Rank: Univorn         Record Last Update:         Biol 10-XX           Presence: Series         Record Last Update:         Biol 10-XX           Presence: Series         Series         Biol 10-XX           Presence: Series         Series         Biol 10-XX           Presence: Series         Series         Biol 10-XX           Presence: Series         Series         Biol 10-XX           Bernard Elevation: 21         Tomeship: 0AN         Biol 10-XX           Lastone: 21 Series         Series         Biol 10-XX           Bernard: Biol 10-XX         Biol 10-XX         Biol 10-XX           Bernard: 21 Series         Biol 10-XX         Biol 10-XX           Bernard: Biol 10-XX         Biol 10-XX         Biol 10-XX           Bernard: 21 Series         Series         Biol 10-XX <td< th=""><th>Federal: None State: None Habitat As: General: FRESHW</th><th></th><th>NDDB Element Ranks</th><th>Other Lists</th></td<>	Federal: None State: None Habitat As: General: FRESHW		NDDB Element Ranks	Other Lists
General:         FRESHWATER AND BRACKISH MARSHES:           Mitre:         OFTEN FOUND W. TYPHA. ASTER LENTUS. ROSA CALIF., JUNCUS SPP, SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.           Ocer Rank:         Unknown           Ore Rank:         Map Index: 11225         EO Index: 19249         — Dates Last Sen           Ore Rank:         ManarMaine occurrence         Site: 19849	General: FRESHW	•	Global: G5T2	
Mere: OFTEN FOUND W. TYPHA, ASTER LENTUS, ROSA CALIF, JUNCUS SPP, SCIAPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES. Courance No. 3 Map Index: 11225 ED Index: 19249 — Dista Last Seen Element: 1990: 40.0XX Presence: Freeund State Trend: Unknown Record Last Update: 200-03.08 Courty Summary: Statamento, Solano LatLong: 30.1588/47121.05519 Trend: Unknown Record Last Update: 200-03.08 Courty Summary: Statamento, Solano LatLong: 30.1588/47121.05519 Trend: Unknown Record Last Update: 200-03.08 Courty Summary: Statamento, Solano LatLong: 30.1588/47121.05519 Trend: Unknown Record Last Update: 20 Courty Summary: Statamento, Solano LatLong: 30.1588/47121.05519 Trend: Unknown Record Last Update: 20 Courty Summary: Statamento, Solano LatLong: 30.1588/47121.05519 Trend: National State Statamento, Solano LatLong: 30.1588/47121.05519 Trend: National State St				
Courses to be an analysis of the analysis of t			A CALIF., JUNCUS SPP., SCIRPUS, ETC. USUAI	LLY ON MARSH AND SLOUGH EDGES.
Courses to be an analysis of the analysis of t	Occurrence No	3 Man Index: 11226	<b>FO Index</b> : 19249	Dates Last Seen
Trend:         Unition         Record Last Updated:         2000-03-08           Quad Summary:         Rio Valia (3812/12/64/08/09)	Occ Rank:	Unknown		
County Summary: Sectore 1, 21, 20, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21				Record Last Updated: 2000-03-08
Latlong: 38.1534/.121.65611* UTM: Zone: 101 W422/078 E917784 Mapping PrecisionX0N-SPECIFIC Section: 21 Bevaton: 21 Everation: 21 Content: 51 Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACKAMENTO RIVER Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACKAMENTO RIVER Location: Detail: UNKNOON WHICH SDE OF RIVER THE PLANTS WERE SEEN. STE MAPPED TO ENCOMPASS ALL LIVELY HABITAT ALONG DOTH SUBSO SLOUGH UP to 16 S MLE UPSTREAM FROM CONFLIENCE WITH THE SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICITE CHODB. Ecological: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICITE CHODB. Ecological: STEAMBOAT SLOUGH JUST RADVE HICH WATER LIVEL ASSOCIATED WITH EQUISETUM, VITUS CALIFORNICA, AND ROBA, QUERCUS LOBAT/ PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, FRAXINUS, AND RUBUS. General: SFLANTS. Owner/Manager: PVT Over Teneor: No. 6 Map Index: 09671 EO Index: 19246 — Dates Last Seen Element: 1992:XX-XX Site: 1992:XX-XX S				
UTH:     Zone: 10 M327078 E817784     Range:     D3E       Area::     Mapping PrecisionNON-SPECIFIC     Section: 21     Gr: X.       Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER.     Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER.     Meridian: M       Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER.     Comparity of the state of the s	County Summary:	Sacramento, Solano		
Area:     Mapping PrecisionNON-SPECIFIC     Section:     21     Qtr: XX       Location:     Strubto Type-POLYGON     Meridian:     M     Meridian:     M       Location:     STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER.     Location Dealis Unknown WinCH SIDE OF RIVER THE PLANTS WERE SEEN. STE MAPPED TO ENCOMPASS ALL LIKELY HABITAT ALONG BOTH SIDES OF SLOUGH JUST ABOVE HIGH WATER LINE. ASSOCIATED WITH EQUISETUM, VITUS CALIFORNICA, AND ROSA. CUERCUS LOBATPLATANUS RACENOSA. ALNUS RHOMBIFOLA, FRAXINUS, AND RUBUS.     General:     Solution Unit on Sinue Unstrument AFROM CONLING.     AND ROSA. CUERCUS LOBATPLATANUS RACENOSA. ALNUS RHOMBIFOLA, FRAXINUS, AND RUBUS.     General:     Dates Last Seen     Element:     1992-XX-XX       Order Annus RACENOSA. ALNUS RHOMBIFOLA, FRAXINUS, AND RUBUS.     General:     Dates Last Seen     Element:     1992-XX-XX       Order Annus RECENOSA.     Map Indes:     1995/1     EO Indes::     1922-XX-XX     Test:     1992-XX-XX       Ordigin:     Naturalitative occurrence     Strument:     Strument:     Strument:     1992-XX-XX       Quad Summary:     Fainfaid South (3812221/482A)     Cocurrence No. 5     Coming Strument:     1992-XX-XX       Quad Summary:     Strument:     Symbol Type-POINT     Radius:     Marging PrecisionNON-SPECIFIC     Ramaep::     02W       LatLICIDER:     Strument:     Strument:     Strument:     Strument:     Strument:     1992-XX-XX <td>-</td> <td></td> <td></td> <td>-</td>	-			-
Elevation:     211     Symbol Type-POLYGON     Meridian:     M       Location:     STEAMBOAT SLUGH NEAR JUNCTION WITH SACRAMENTO RIVER.     Location Detail:UNKNOWW WHICH SIDE OF RUEE THE PLATNER WREE SEEN. SITE MAPPED TO ENCOMPASS ALL LIKELY HABITAT ALONG BOTH SIDES O SLUGH UP TO 0.5 MILE UPSTREAM FROM CONFLUENCE WITH THE SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICTED CNODB.       Ecodinglical:     EDGO OF SLUGH JUST ABOVE HIGH WATER LINE, ASSOCIATED WITH EOUISETUM, VITUS CALIFORNICA, AND ROSA, QUERCUS LOBATZ PLATNAUS RACEMOSA, ALNUS RHOMBIFOLA, FRAXINUS, AND RUBUS.     Dates Lest Seen       General:     SPLATNAUS RACEMOSA, ALNUS RHOMBIFOLA, FRAXINUS, AND RUBUS.     Elements: 1992-XX-XX       Orce Rank:     Unitarian Native occurrence Prosume Crean     Site: 1992-XX-XX       Orgin:     Map index:     09671     EO Index: 19246     Dates Lest Seen       Orge Rank:     Unitarian Native occurrence Prosume Crean     Site: 1992-XX-XX     Site: 1992-XX-XX       Orgin:     Maping Station     Site: 1992-XX-XX     Site: 1992-XX-XX       Coundy Summary:     Fainfeld South (3812221/482A)     Site: 1992-XX-XX       Coundy Summary:     Fainfeld South (381221/482A)     Coundy Summary:     General: XAV       Coundy Summary:     Site: 1992-XX-XX     Section: 22     Ctr: CX       Radiu:     110 mile:     Mapping Precision/NON-SPECIFIC     Section: 22     Ctr: CX       Radiu:     110 mile:     Symbol Type-POINT     Me		Zone-10 N4227078 E617784	Manning ProcisionNON SPECIFIC	-
Location Detait: UNKNOWN WHICH SIDE OF RIVES THE PLANTS WERE SEEN. STE MAPPED TO ENCOMPASS ALL LIKELY HABITAT ALONG BOTH SIDES O SLOUGH UP TO SAMLE UPSTREAM FROM CONFLUENCE WITH THE SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICTED Ecological: EDGE OF SLOUGH JUST ABOVE HIGH WATER LINE. ASSOCIATED WITH EQUISETUM, VITUS CALIFORNICA, AND ROSA, QUERCUS LOBAT PLATANUS RACEMOSA. ALNUS RICHARD REPUBLIC Occurrence No. 6 Map Index: 09671 EO Index: 19246 — Dates Last Seen Coc Rank: Unknown Origin: NaturalNative occurrence Prostence: Freaund Etant Tred: Unknown Coc Rank: Unknown Cocurrence No. 6 Map Index: 09671 EO Index: 19246 EIEment: 1992:XX-XX Origin: NaturalNative occurrence Record Last Updated: 1997-12-11 Quad Summary: Fainfeld South (3812221/482A) Cocurry Summy Solano Lat/Long: 3, 172597 / 122.07671* UTX: Zona-10 MutalSaST E580872 Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Record Last Updated: 1997-12-11 Cocurry Solano Coc Rank: Good Coc Rank: Good Coc Rank: Good Coc Rank: Good Cocurry Solano Lat/Long: 3, 172207 / 122.07671* UTX: Zona-10 MutalSaST E580872 Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Record Last Updated: 1997-12-11 Cocurry Solano Cocury Solano Cocurry Sol		2 ft		
Location Detait: UNKNOWN WHICH SIDE OF RIVES THE PLANTS WERE SEEN. STE MAPPED TO ENCOMPASS ALL LIKELY HABITAT ALONG BOTH SIDES O SLOUGH UP TO SAMLE UPSTREAM FROM CONFLUENCE WITH THE SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICTED Ecological: EDGE OF SLOUGH JUST ABOVE HIGH WATER LINE. ASSOCIATED WITH EQUISETUM, VITUS CALIFORNICA, AND ROSA, QUERCUS LOBAT PLATANUS RACEMOSA. ALNUS RICHARD REPUBLIC Occurrence No. 6 Map Index: 09671 EO Index: 19246 — Dates Last Seen Coc Rank: Unknown Origin: NaturalNative occurrence Prostence: Freaund Etant Tred: Unknown Coc Rank: Unknown Cocurrence No. 6 Map Index: 09671 EO Index: 19246 EIEment: 1992:XX-XX Origin: NaturalNative occurrence Record Last Updated: 1997-12-11 Quad Summary: Fainfeld South (3812221/482A) Cocurry Summy Solano Lat/Long: 3, 172597 / 122.07671* UTX: Zona-10 MutalSaST E580872 Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Record Last Updated: 1997-12-11 Cocurry Solano Coc Rank: Good Coc Rank: Good Coc Rank: Good Coc Rank: Good Cocurry Solano Lat/Long: 3, 172207 / 122.07671* UTX: Zona-10 MutalSaST E580872 Radius: 1/10 mile Section: 5f Symbol Type/POINT Regin: 00W Record Last Updated: 1997-12-11 Cocurry Solano Cocury Solano Cocurry Sol	Location:	STEAMBOAT SLOUGH NEAR JUNCTION	WITH SACRAMENTO RIVER.	
PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, FRAXINUS, AND RUBUS.         General: 5 PLANTS.         Owner/Manager: PVT         Occ Rank: Unknown         Ocg Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Fairfield South (3812221/482A)         County Summary: Salinde Stant         UTM: Zone 10 N422365 ES06972         Radius: 1/10 mile         Mapping Precision/NON-SPECIFIC         Beeron: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.         Occerans: Good       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1922         Orr: XX       General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING SPRR TRACKS.         General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager: UNKNOWN       Element: 1992-XX-XX         Occurrence No. 7       Map Index: 09790       EO Index: 6370       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1922-XX-XX       Site: 1922-XX-XX         Origin: Natural/Native occ	Location Detail:	UNKNOWN WHICH SIDE OF RIVER THE SLOUGH UP TO 0.5 MILE UPSTREAM FF	PLANTS WERE SEEN. SITE MAPPED TO ENCOM	
Owner/Manager: PVT         Occurrence No. 6       Map Index: 09671       EO Index: 19246       — Dates Last Seen         Origin: Natural/Native occurrence       Bite: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Bite: 1992-XX-XX       Site: 1992-XX-XX         Cound Summary: Fairfield South (3812221/482A)       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       Township: 04N       Range: 02W         County Summary: Solario       — Township: 04N       Range: 02W         Radius: 1/10 mine       Mapping PrecisionNON-SPECIFIC       Section: 22       Qrt: XX         Elevation: 5 ft       Symbol Type/POINT       Meridian: M       Qrt: XX         Location: TEAL STATION, SUISUN MARSHES.       Location: TeAL STATION, SUISUN MARSHES.       Location Detail: MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRT TRACKS.       General: MANP HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager: UNKNOWN       E0 Index: 6370       — Dates Last Seen       Element: 1992-XX-XX         Occurrence No. 7       Map Index: 09790       E0 Index: 6370       — Dates Last Seen       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX       Site: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence <td< td=""><td></td><td></td><td></td><td>/ITUS CALIFORNICA, AND ROSA, QUERCUS LOBAT</td></td<>				/ITUS CALIFORNICA, AND ROSA, QUERCUS LOBAT
Occurrence No. 6         Map Index:         09671         EO Index:         19246         — Dates Last Seen           Occ Rank:         Unknown         Site:         1992-XX-XX         Site:         1992-XX-XX           Origin:         NaturalNative occurrence         Site:         1992-XX-XX         Site:         1992-XX-XX           County Summary:         Faiffeld South (381221/482A)         Record Last Updated:         1997-12-11           Quad Summary:         Solano         Township:         04N         Range:         02W           Radius:         1/07 mile         Mapping PrecisionNON-SPECIFIC         Section:         22         Qur: xX           Elevation:         5 ft         Symbol Type:POINT         Meridian:         M           Location:         TEAL STATION, SUISUM MARSHES.         Location Station:         Court: xX           General:         MAP HISTORICAL COLLECTIONS FROM SUISUM MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Over RefManger: UNKNOWN           Occurrence No. 7         Map Index:         09790         EO Index:         6370         —           Occurrence Presume Etant         Term:         Site:         1982-XX-XX         Site:         1982-XX-XX           Origin:         NaturalNative occurrence         6370         —	General:	5 PLANTS.		
Occ Rank: Unknown       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX         Presence: Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       County Summary: Solano         County Summary: Solano       Range: 02W         Radius: 1/10 mile       Mapping PrecisionNON-SPECIFIC       Section: 22       Qtr: XX         Radius: 1/10 mile       Symbol Type-POINT       Meridian: M       County Summary: Solano         Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.       Courrence No. 7       Map Index: 09790       EO Index: 6370       Dates Last Seen         Owner/Manage: UNKNOWN       Element: 1992-XX-XX       Site: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX       Site: 1992-XX-	Owner/Manager:	PVT		
Occ Rank: Unknown       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX         Presence: Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       County Summary: Solano         County Summary: Solano       Range: 02W         Radius: 1/10 mile       Mapping PrecisionNON-SPECIFIC       Section: 22       Qtr: XX         Radius: 1/10 mile       Symbol Type-POINT       Meridian: M       County Summary: Solano         Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.       Location: TEAL STATION, SUISUN MARSHES.         Location: TEAL STATION, SUISUN MARSHES.       Courrence No. 7       Map Index: 09790       EO Index: 6370       Dates Last Seen         Owner/Manage: UNKNOWN       Element: 1992-XX-XX       Site: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Element: 1992-XX-XX       Site: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX       Site: 1992-XX-	Occurrence No.	6 Man Indox: 00671	<b>EQ Index:</b> 19246	— Dates Last Seen —
Sile: 1982-XX-XX Presence: Presumed Extant Tred: Unknown Record Last Updated: 1997-12-11 Quad Summary: Fairfield South (3812221/482A) County Summary: Salano Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Lat/Long: 38, 17259' / 122.07671° Location: TEAL STATION, SUISUN MARSHES. Location Detail: MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS. General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938. Owner/Manager: UNKNOWN Occurrence No. 7 Map Index: 09790 EO Index: 6370		•	LO IIIdex. 19240	
Trend:       Unknown       Record Last Updated:       1997-12-11         Quad Summary:       Fairfield South (3812221/482A)       County Summary:       Solano         Lat/Long:       38.17259°/-122.07671°       Township:       04N         UTM:       Zone-10 N4225387 E580872       Range:       02W         Radius:       1/10 mile       Mapping PrecisionNON-SPECIFIC       Section:       22       Qtr:       KX         Elevation:       5 ft       Symbol Type/POINT       Meridian:       M       M       Viri XX         Cocation Detail:       MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.       Owner/Manager:       UNKNOWN         Occurrence No.       7       Map Index:       09790       EO Index:       6370       Dates Last Seen         Element:       1992-XXXX       Site:       1992-XXXX       Site:       1992-XXXX         Origin:       Natural/Native occurrence       Site:       1992-XXXX       Site:       1992-XXXX         Origin:       Natural/Native occurrence       Site:       1992-XXXX       Site:       1992-XXXX         Origin:       Natural/Native occurrence       Site:       1992-XXXX       Site:       1992-XXXX         Oudad Summary:       Fairfield Sout				Site: 1992-XX-XX
Quad Summary:       Fairfield South (3812221/482A)         County Summary:       Saline         Lat/Long:       38.17258° / -122.07671°         Township:       O4N         Range:       02W         Radius:       1/10 mile         Mapping PrecisionNON-SPECIFIC       Section:         Section:       22         Quit:       XX         Elevation:       5 ft         Symbol Type:POINT       Meridian:         Moridian:       M         Location:       TEAL STATION, SUISUN MARSHES.         Location:       Declarent:         MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager:       UNKNOWN         Occurrence No. 7       Map Index:       09790         Element:       1992-XX-XX         Presence:       Presence       Presence         Presence:       Presence       Site:       1992-XX-XX         Presence:       Presence       Presence       Presence       1997-12-11         Quad Summary:       Fairlield South (3812221/482A)       County Summary: Solano       Elevation:       1997-12-11         Lat/Long:       38.22700°/-122.03894°       Township:       04N       Range:<				Record Last Undated: 1997-12-11
County Summary: Solano         Lat/Long: 38.17259° / -122.07671°       Township: 0.4N         UTM: Zone-10 N422367 E580872       Range: 02W         Radius: 1/10 mile       Mapping PrecisionNON-SPECIFIC       Section: 22       Qtr: XX         Elevation: 5 ft       Symbol Type-POINT       Meridian: M       Meridian: M         Location: TEAL STATION, SUISUN MARSHES.       Location Detail: MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS.       Section: 22       Qtr: XX         General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.       Section: 29       Section: 29         Owner/Manage: UNKNOWN       Element: 1992-XXX       Site: 1992-XXXX       Site: 1992-XXXX         Occurrence No. 7       Map Index: 09790       EO Index: 6370       —       Dates Last Seen         Occurrence No. 7       Map Index: 09790       EO Index: 6370       —       Element: 1992-XXXX         Orgin: Natural/Native occurrence       Elevator: 5tit: 1992-XXXX       Site: 1992-XXXX       Site: 1992-XXXX         Presence: Presumed Extant       Township: 04N       Range: 02W       XXX         Quad Summary: Selano       Range: 02W       Range: 02W       Range: 02W         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Range: 02W       Recroid Last Updated: 1997-12-11				
Lat/Long: 38.17259°/-122.07671° UTW: Zone-10 N425367 E580872 Radius: 1/10 mile Mapping PrecisionNON-SPECIFIC Section: 22 Otr: XX Elevation: 5 ft Symbol Type:POINT Elevation: 5 ft Cocation Detail:MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS. General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938. Owner/Manager: UNKNOWN Occurrence No. 7 Map Index: 09790 EO Index: 6370 — Dates Last Seen Elevation: 5 ft Site: 1992-XX-XX Site: 1992-XX-XX Site: 1992-XX-XX Site: 1992-XX-XX Site: 1992-XX-XX Freed: Unknown Record Last Updated: 1997-12-11 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.2700°/-122.03894° UTM: Zone-10 N4231438 E584118 Area: 48.6 acres Mapping PrecisionSPECIFIC Section: 01 Location: 511 Location: 511 Location: 511 Location: 511 Location: 511SUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: Detail:MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE. Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AA AND TYPHA. Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.				
UTM:       Zone-10 N4225367 E580872       Range:       02W         Radius:       1/10 mile       Mapping PrecisionNON-SPECIFIC       Section:       22       Otr:       Ctr:       XX         Elevation:       5 ft       Symbol Type;POINT       Meridian:       M       Meridian:       M         Location:       TEAL STATION, SUISUN MARSHES.       Location Detail:       MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS.       General:       MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager:       UNKNOWN       E0 Index:       6370       —       …				Townshin: 04N
Radius:       1/10 mile       Mapping PrecisionNON-SPECIFIC       Section:       22       Otr: XX         Elevation:       5 ft       Symbol Type;POINT       Meridian:       M       M         Location:       TEAL STATION, SUISUN MARSHES.       Location Detail:       MANPHED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS.       General:       MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager:       UNKNOWN       Element:       1992-XX-XX         Occ Rank:       Good       Element:       1992-XX-XX         Origin:       Natural/Native occurrence       Site:       1992-XX-XX         Presence:       Presumed Extant       Element:       1992-XX-XX         Trend:       Unknown       Record Last Updated:       1997-12-11         Quad Summary:       Failfield South (3812221/482A)       County Summary:       Solano         LaftLong:       38.22700 <sup>o</sup> /-122.03894 <sup>o</sup> Township:       04N         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01       Qtr: XX         Elevation:       5 ft       Symbol Type;POLYGON       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location Detail: MAP	-			-
Location: TEAL STATION, SUISUN MARSHES. Location Detail:MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS. General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938. Owner/Manager: UNKNOWN Cocurrence No. 7 Map Index: 09790 EO Index: 6370 — Dates Last Seen Occ Rank: Good Element: 1992-XX-XX Origin: Natural/Native occurrence Site: 1992-XX-XX Presence: Presumed Extant Trend: Unknown Record Last Updated: 1997-12-11 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.22700° / -122.03894° Township: 04N UTM: Zone-10 N4231438 E584118 Range: 02W Area: 48.6 acres Mapping PrecisionSPECIFIC Section: 01 Qtr: XX Elevation: 5 ft Symbol Type:POLYGON Meridian: M Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH. Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH AND SUISUN CITY. W THE DEF PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DEF PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DEF PEYTONIA SLO			Mapping PrecisionNON-SPECIFIC	
Location Detail: MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS.         General:       MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager:       UNKNOWN         Occurrence No. 7       Map Index: 09790       EO Index: 6370       — Dates Last Seen         Occ Rank:       Good       Element: 1992-XX-XX         Origin:       Natural/Native occurrence       Site: 1992-XX-XX         Presence:       Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary:       Fairfield South (3812221/482A)       Record Last Updated: 1997-12-11         Quad Summary:       Fairfield South (3812221/482A)       Range: 02W         County Summary:       Solano       Image: 02W         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section: 01       Qtr: XX         Elevation:       5 ft       Symbol Type:POLYGON       Meridian: M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH RESERVE.	Elevation:	5 ft		Meridian: M
General:       MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.         Owner/Manager:       UNKNOWN         Occurrence No. 7       Map Index: 09790       EO Index: 6370       — Dates Last Seen       —         Occ Rank:       Good       Element:       1992-XX-XX         Origin:       Natural/Native occurrence       Site:       1992-XX-XX         Presence:       Presumed Extant       Record Last Updated:       1997-12-11         Quad Summary:       Fairfield South (3812221/482A)       Record Last Updated:       1997-12-11         Quad Summary:       Solano       Range:       02W         Lat/Long:       38.22700° / -122.03894°       Range:       02W         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01       Qtr: XX         Elevation:       5 ft       Symbol Type:POLYGON       Weridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location:       COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, At AND TYPHA.         Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AR	Location:	TEAL STATION, SUISUN MARSHES.		
Owner/Manager: UNKNOWN         Coccurrence No. 7       Map Index: 09790       EO Index: 6370       Dates Last Seen       Element:       1992-XX-XX         Origin: Natural/Native occurrence       Fresence: Presumed Extant       Ist:       1992-XX-XX       Site:       1992-XX-XX         Presence: Presumed Extant       Record Last Updated:       1997-12-11       Ist:       1992-XX-XX         Quad Summary: Fairfield South (3812221/482A)       Record Last Updated:       1997-12-11         Quad Summary: Solano       Township:       04N         Lat/Long: 38.22700' / -122.03894°       Range:       02W         Area: 48.6 acres       Mapping PrecisionSPECIFIC       Section:       01         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Meridian: M       Meridian: M         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: Meridian: M       Mission City: W         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: Here PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W         THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.       Ecologica: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AGAND TYPHA.         Threat: VEGETATION BURNING ASSOCIATED	Location Detail:	MAPPED IN VICINITY OF SLOUGH JUST	EAST OF TEAL STATION ALONG SPRR TRACKS	δ.
Owner/Manager: UNKNOWN         Coccurrence No. 7       Map Index: 09790       EO Index: 6370       Dates Last Seen       Element:       1992-XX-XX         Origin: Natural/Native occurrence       Fresence: Presumed Extant       Ist:       1992-XX-XX       Site:       1992-XX-XX         Presence: Presumed Extant       Record Last Updated:       1997-12-11       Ist:       1992-XX-XX         Quad Summary: Fairfield South (3812221/482A)       Record Last Updated:       1997-12-11         Quad Summary: Solano       Township:       04N         Lat/Long: 38.22700' / -122.03894°       Range:       02W         Area: 48.6 acres       Mapping PrecisionSPECIFIC       Section:       01         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Meridian: M       Meridian: M         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: Meridian: M       Mission City: W         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: Here PEYTONIA SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W         THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.       Ecologica: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AGAND TYPHA.         Threat: VEGETATION BURNING ASSOCIATED	General:	MANY HISTORICAL COLLECTIONS FRO	M SUISUN MARSHES INCLUDING JEPSON #102	31 (JEPS) IN 1938.
Occ Rank: Good       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX         Presence: Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       Record Last Updated: 1997-12-11         Quad Summary: Solano       Interview of the section of the sectin of the section of the section of the section of the s				
Occ Rank: Good       Element: 1992-XX-XX         Origin: Natural/Native occurrence       Site: 1992-XX-XX         Presence: Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       Record Last Updated: 1997-12-11         Quad Summary: Solano       Interview of the section of the sectin of the section of the section of the section of the s	Occurrence Ma	7 Man Indaw, 00700	<b>EO Inder</b> er 0070	Datas Last Soon
Origin: Natural/Native occurrence       Site: 1992-XX-XX         Presence: Presumed Extant       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       Record Last Updated: 1997-12-11         Quad Summary: Fairfield South (3812221/482A)       Township: 04N         County Summary: Solano       Range: 02W         Lat/Long: 38.22700 <sup>o</sup> / -122.03894 <sup>o</sup> Range: 02W         Area: 48.6 acres       Mapping PrecisionSPECIFIC         Section: 5 ft       Symbol Type:POLYGON         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.         Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.         Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.		•	LU HIGEA. 03/0	
Presence       Presumed Extant       Record Last Updated:       1997-12-11         Quad Summary:       Fairfield South (3812221/482A)       Image: 1997-12-11       Image: 1997-12-11         Quad Summary:       Solano       Solano       Image: 1997-12-11       Image: 1997-12-11         Lat/Long:       38.22700° / -122.03894°       Township:       0.4N         UTM:       Zone-10 N4231438 E584118       Range:       0.2W         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01         Elevation:       5 ft       Symbol Type:POLYGON       Meridian:       M         Loccation:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location:       Location Detail       MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.       Location:       SUISUN ALONG ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.         Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.				
Quad Summary:       Fairfield South (3812221/482A)         County Summary:       Solano         Lat/Long:       38.22700° / -122.03894°         Township:       04N         UTM:       Zone-10 N4231438 E584118         Area:       48.6 acres         Mapping PrecisionSPECIFIC       Section:         Elevation:       5 ft         Symbol Type:POLYGON       Meridian:         M       Location:         SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location Detail:       MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W         THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.       Ecological:         COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS         AND TYPHA.       Threat:         VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.				<b>_</b>
County Summary: Solano         Lat/Long:       38.22700° / -122.03894°       Township:       04N         UTM:       Zone-10 N4231438 E584118       Range:       02W         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01       Qtr: XX         Elevation:       5 ft       Symbol Type:POLYGON       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location:       UISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location:       UISUN CITY. W         Ecological:       COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.       Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.	Trend:	Unknown		Record Last Updated: 1997-12-11
Lat/Long: 38.22700° / -122.03894°       Township: 04N         UTM: Zone-10 N4231438 E584118       Range: 02W         Area: 48.6 acres       Mapping PrecisionSPECIFIC       Section: 01       Qtr: XX         Elevation: 5 ft       Symbol Type:POLYGON       Meridian: M         Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.         Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.         Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.		Fairfield South (3812221/482A)		
UTM:       Zone-10 N4231438 E584118       Range:       02W         Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01       Qtr: XX         Elevation:       5 ft       Symbol Type:POLYGON       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       SUISUN CITY. W       Mapping PrecisionSPEciFic       Section:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Meridian:       M       M         Location:       Betail:       MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W       Mapping Peytonia SLOUGH ECOLOGICAL RESERVE.       Suisun City. W         Ecological:       COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.         Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.		Solano		
Area:       48.6 acres       Mapping PrecisionSPECIFIC       Section:       01       Qtr: XX         Elevation:       5 ft       Symbol Type:POLYGON       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.       Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location:       Suisun Along SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.       Suisun CITY. W CONSTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.         Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.				•
Elevation:       5 ft       Symbol Type:POLYGON       Meridian:       M         Location:       SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.         Location Detail:       MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.         Ecological:       COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA.         Threat:       VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.	County Summary: Lat/Long:			
Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE. Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA. Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.	County Summary: Lat/Long: UTM:	Zone-10 N4231438 E584118	Manning PrecisionSPECIFIC	-
Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. W THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE. Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, AS AND TYPHA. Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.	County Summary: Lat/Long: UTM: Area:	Zone-10 N4231438 E584118 48.6 acres		Section: 01 Qtr: XX
AND TYPHA. Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.	County Summary: Lat/Long: UTM: Area: Elevation:	Zone-10 N4231438 E584118 48.6 acres 5 ft	Symbol Type:POLYGON	Section: 01 Qtr: XX Meridian: M
	County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail:	Zone-10 N4231438 E584118 48.6 acres 5 ft SUISUN MARSH, 0.5 MILE SOUTH OF SU MAPPED ALONG SLOUGH FROM MOUT	Symbol Type:POLYGON JISUN ALONG NORTH BANK OF PEYTONIA SLO H WEST ABOUT 0.5 MILE. ADDITIONAL COLONY	Section: 01 Qtr: XX Meridian: M
	County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail: Ecological:	Zone-10 N4231438 E584118 48.6 acres 5 ft SUISUN MARSH, 0.5 MILE SOUTH OF SU MAPPED ALONG SLOUGH FROM MOUT THE DFG PEYTONIA SLOUGH ECOLOGI COASTAL BRACKISH MARSH, ABOVE TH	Symbol Type:POLYGON JISUN ALONG NORTH BANK OF PEYTONIA SLO H WEST ABOUT 0.5 MILE. ADDITIONAL COLONY ICAL RESERVE.	Section: 01 Qtr: XX Meridian: M UGH. ( MAPPED BETWEEN SLOUGH AND SUISUN CITY. V
CONTRACT SOLUTION OF A STATE OF A	County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail: Ecological:	Zone-10 N4231438 E584118 48.6 acres 5 ft SUISUN MARSH, 0.5 MILE SOUTH OF SU MAPPED ALONG SLOUGH FROM MOUT THE DFG PEYTONIA SLOUGH ECOLOGI COASTAL BRACKISH MARSH, ABOVE TI AND TYPHA.	Symbol Type:POLYGON JISUN ALONG NORTH BANK OF PEYTONIA SLO H WEST ABOUT 0.5 MILE. ADDITIONAL COLONY ICAL RESERVE. IDAL ACTION. ASSOCIATED WITH SCIRPUS SPF	Section: 01 Qtr: XX Meridian: M UGH. Y MAPPED BETWEEN SLOUGH AND SUISUN CITY. V P., BACCHARIS PILULARIS SSP. CONSANGUINEA, A
	County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail: Ecological: Threat: General:	Zone-10 N4231438 E584118 48.6 acres 5 ft SUISUN MARSH, 0.5 MILE SOUTH OF SU MAPPED ALONG SLOUGH FROM MOUT THE DFG PEYTONIA SLOUGH ECOLOGI COASTAL BRACKISH MARSH, ABOVE TI AND TYPHA. VEGETATION BURNING ASSOCIATED W 200 PLANTS OBSERVED IN WESTERN C	Symbol Type:POLYGON JISUN ALONG NORTH BANK OF PEYTONIA SLO H WEST ABOUT 0.5 MILE. ADDITIONAL COLONY ICAL RESERVE. IDAL ACTION. ASSOCIATED WITH SCIRPUS SPF	Section: 01 Qtr: XX Meridian: M UGH. / MAPPED BETWEEN SLOUGH AND SUISUN CITY. V P., BACCHARIS PILULARIS SSP. CONSANGUINEA, A SETATION HAS BEEN CUT DOWN IN THE AREA. ITHE EAST COLONY IN 1989. ADDITIONAL COLONIES

Delta tule pea			Code: PDFAB250D2	
Federal: None	us —	NDDB Element Ranks     Global: G5T2	Other Lists     Other Lists	
State: None		State: S2.2	CNPS List: 1B.2	
Habitat As	sociations			
	WATER AND BRACKISH MARSHES.			
		SA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY		9
Interest Of TEN	TOORD W/ TITLE, AOTER LENTOO, NO.			.0.
Occurrence No.	. 11 Map Index: 42511	EO Index: 42511	Dates Last	Seen
Occ Rank:	-		Element:	1923-10-04
-	Natural/Native occurrence		Site:	1923-10-04
	Presumed Extant Unknown		Record Last Updated:	2000-03-08
Trena:	Onknown			2000 00 00
Quad Summary:	Jersey Island (3812116/480C), Bouldin Isl	and (3812115/480D), Rio Vista (3812126/480B), Isleton	(3812125/480A)	
County Summary	: Sacramento			
Lat/Long:	38.15251º/-121.68141º		Township: 04N	
	Zone-10 N4223558 E615530		Range: 03E	
Area: Elevation:	5.4	Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Section: 31 Meridian: M	Qtr: XX
		Symbol Type:POLYGON		
Location	BRANNAN ISLAND.			
Location Detail		NTIAL HABITAT ALONG PERIMETER OF ISLAND MAI	PPED TO REFLECT UNCERTAIN	Y OF COLLECTION
	LOCALITY. ACTUAL POPS PROBABLY	NOT AS EXTENSIVE AS MAPPED AT CNDDB.		
General:	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS 1923 COLLECTION BY W. JEPSON.		
Owner/Manager	: UNKNOWN			
Occurrence No.	. 15 Map Index: 09734	EO Index: 19238	Dates Last	
Occ Rank:				1992-XX-XX
-	Natural/Native occurrence Presumed Extant		Site:	1992-XX-XX
	Unknown		Record Last Updated:	1998-08-11
	: Fairfield South (3812221/482A)			
County Summary	: Solano			
Lat/Long:	38.15781º/-122.06371º		Township: 04N	
	Zone-10 N4223738 E582027		Range: 02W	
Area: Elevation:	224.0 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 26 Meridian: M	Qtr: XX
Location	: ALONG SUISUN SLOUGH, FROM WELL	S SLOUGH SOUTH PAST ROOS CUT, INCLUDING HI	UNTER CUT, SUISUN MARSH.	
Location Detail	I: MAPPED MOSTLY ON THE NORTH AND MONTEZUMA SLOUGH.	WEST SIDES OF SUISUN SLOUGH, THE MOUTH O	F ROOS CUT, AND ALONG HUNT	ER CUT TO
Ecological	BRACKISH MARSH IN TAMBA MUCKY C LATIFOLIUM AND ROSA CALIFORNICA.	LAY. ASSOCIATED WITH TRIGLOCHIN, ARTEMISIA	DOUGLASIANA, SCIRPUS, DIPSA	ACUS, LEPIDIUM
General:		THIS SITE IS "SUMMARY OF SENSITIVE PLANT AND LOGICAL COMMENTS BY LACEY (1986).	WILDLIFE RESOURCES IN SUIS	UN MARSH DURING
Owner/Manager		· · · · /		
Gwiler/wandger				
Occurrence No.	. 47 <b>Map Index:</b> 21929	<b>EO Index:</b> 8490	Dates Last	Seen
Occ Rank:			Element:	1991-06-03
Origin	Natural/Native occurrence		Site:	1991-06-03
•	Presumed Extant		Record Last Updated:	1997-12-09
Presence:	Linknown		Record Last opualed.	
Presence:	Unknown			
Presence: Trend:	Unknown : Honker Bay (3812118/481C), Denverton (	3812128/481B)		
Presence: Trend:	Honker Bay (3812118/481C), Denverton (	3812128/481B)		
Presence: Trend: Quad Summary: County Summary	Honker Bay (3812118/481C), Denverton (	3812128/481B)	Township: 03N	
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377º / -121.88897º Zone-10 N4220131 E597382		Range: 01E	
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area:	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377º / -121.88897º Zone-10 N4220131 E597382 49.0 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 08	Qtr: NE
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377º / -121.88897º Zone-10 N4220131 E597382 49.0 acres		Range: 01E	Qtr: NE
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377º / -121.88897º Zone-10 N4220131 E597382 49.0 acres : 5 ft	Mapping PrecisionSPECIFIC	Range: 01E Section: 08 Meridian: M	Qtr: NE
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377 <sup>o</sup> / -121.88897 <sup>o</sup> Zone-10 N4220131 E597382 49.0 acres : 5 ft : MONTEZUMA SLOUGH, ALONG BEND (	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Range:       01E         Section:       08         Meridian:       M         NORTH OF GRIZZLY SLOUGH.	
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377° / -121.88897° Zone-10 N4220131 E597382 49.0 acres : 5 ft : MONTEZUMA SLOUGH, ALONG BEND ( I:ALONG BOTH SIDES OF SLOUGH AT TI	Mapping PrecisionSPECIFIC Symbol Type:POLYGON DN EAST SIDE OF GRIZZLY ISLAND ABOUT 2 MILES	Range: 01E Section: 08 Meridian: M NORTH OF GRIZZLY SLOUGH. MILE (1 KM) SOUTH OF BIRD'S LA	NDING.
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377° / -121.88897° Zone-10 N4220131 E597382 49.0 acres : 5 ft : MONTEZUMA SLOUGH, ALONG BEND ( : ALONG BOTH SIDES OF SLOUGH AT TI : GROWING IN ESTUARINE SALT MARSH	Mapping PrecisionSPECIFIC Symbol Type:POLYGON ON EAST SIDE OF GRIZZLY ISLAND ABOUT 2 MILES HE WEST END OF DINKELSPIEL ROAD; ABOUT 0.6 M	Range: 01E Section: 08 Meridian: M NORTH OF GRIZZLY SLOUGH. MILE (1 KM) SOUTH OF BIRD'S LA PHRAGMITES, DISTICHLIS SPIC.	NDING. ATA, SCIRPUS
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377° / -121.88897° Zone-10 N4220131 E597382 49.0 acres : 5 ft : MONTEZUMA SLOUGH, ALONG BEND ( : ALONG BOTH SIDES OF SLOUGH AT TI : GROWING IN ESTUARINE SALT MARSH ACUTUS, RUMEX CRISPUS, AND JUNC	Mapping PrecisionSPECIFIC Symbol Type:POLYGON DN EAST SIDE OF GRIZZLY ISLAND ABOUT 2 MILES HE WEST END OF DINKELSPIEL ROAD; ABOUT 0.6 M I ALONG THE BANK OF LEVEE. ASSOCIATED WITH	Range: 01E Section: 08 Meridian: M NORTH OF GRIZZLY SLOUGH. MILE (1 KM) SOUTH OF BIRD'S LA PHRAGMITES, DISTICHLIS SPIC. PLANT, GROWS ALONG THE WAT	INDING. ATA, SCIRPUS 'ER'S EDGE.
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological Threat:	: Honker Bay (3812118/481C), Denverton ( : Solano : 38.12377° / -121.88897° Zone-10 N4220131 E597382 49.0 acres : 5 ft : MONTEZUMA SLOUGH, ALONG BEND ( : ALONG BOTH SIDES OF SLOUGH AT TI : GROWING IN ESTUARINE SALT MARSH ACUTUS, RUMEX CRISPUS, AND JUNC : GRAZING AND FISHING ARE PRESENT	Mapping PrecisionSPECIFIC Symbol Type:POLYGON DN EAST SIDE OF GRIZZLY ISLAND ABOUT 2 MILES HE WEST END OF DINKELSPIEL ROAD; ABOUT 0.6 M I ALONG THE BANK OF LEVEE. ASSOCIATED WITH US. LILAEOPSIS MASONII, A STATE LISTED RARE P	Range: 01E Section: 08 Meridian: M NORTH OF GRIZZLY SLOUGH. MILE (1 KM) SOUTH OF BIRD'S LA PHRAGMITES, DISTICHLIS SPIC, 'LANT, GROWS ALONG THE WAT FICATION FOR WETLAND RESTO	NDING. ATA, SCIRPUS ER'S EDGE. RATION PROJECT.

Delta tule pea		NDDB Element Ranks	t Code: PDFAB250D2 Other Lists
Federal: None State: None	us —————	NDDB Element Ranks       Global: G5T2       State: S2.2	CNPS List: 1B.2
Habitat A	ssociations —		
General: FRESH	WATER AND BRACKISH MARSHES.		
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROSA	CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALL	Y ON MARSH AND SLOUGH EDGES.
			Defect and Dear
Occurrence No Occ Rank	•	<b>EO Index:</b> 15642	Dates Last Seen     Element: 1988-XX-XX
	Natural/Native occurrence		Site: 1988-XX-XX
	Presumed Extant		Beened Leet Undersch. 4004.00.40
Trend:	Unknown		Record Last Updated: 1994-02-10
Quad Summary	: Rio Vista (3812126/480B)		
County Summary	: Solano		
Lat/Long	38.24109º / -121.66332º		Township: 05N
	Zone-10 N4233409 E616974		Range: 03E
Area: Elevation	15.6 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 32 Qtr: XX Meridian: M
		APPROX. 1 KM (0.5 MI) FROM THE SOUTHWEST T	IP OF PROSPECT ISLAND.
Location Detai	I: ALONG WATER SIDE OF LEVEE NEAR M	OUTH OF MINER SLOUGH.	
General		RMATION FOR THIS SITE. SITE QUALITY, POPULA	ATION TRENDS, AND ECOLOGICAL INFORMATION
	NEEDED.		
Owner/Manager	: UNKNOWN		
Occurrence No	. 51 Map Index: 24990	EO Index: 6308	Dates Last Seen
Occ Rank	•		Element: 1991-03-15
	Natural/Native occurrence		Site: 1991-03-15
	Presumed Extant		Beened Level Underted a 4004 00 07
Trend:	Unknown		Record Last Updated: 1994-09-07
Quad Summary	: Dozier (3812137/498D)		
County Summary	: Solano		
Lat/Long	38.25882º / -121.80975º		Township: 05N
-	Zone-10 N4235202 E604133		Range: 01E
	80 meters	Mapping PrecisionSPECIFIC	Section: 24 Qtr: SE
Elevation	: 0 ft	Symbol Type:POINT	Meridian: M
Location	: NORTH BANK OF CALHOUN CUT, APPRO	DX 400 METERS (1/4 MILE) WEST OF HIGHWAY 1	13.
Location Detai		SERVE; TRANSFERRED TO SOLANO COUNTY F	ARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS
	CONS. EASEMENT.		
5	: INTERTIDAL SCIRPUS ACUTUS AND SAL		
Threat	MARSH SEVERELY DAMAGED BY EXHAU	JSTIVE SHEEP GRAZING.	
General		AY BE MORE). WITHAM AND KAREOFELAS SUG( SH DURING GROWING SEASON/YEAR-ROUND.	GEST THAT TEMPORARY ELECTRIC FENCING SHOU
<b>6</b>		ST DUNING GLOWING SEASON/TEAR-ROUND.	
Owner/Manager	: SOLANO LAND TRUST		
Occurrence No	. 52 Map Index: 24989	EO Index: 6307	Dates Last Seen
Occ Rank	•		Element: 1994-07-XX
OCC Rank.	Natural/Native occurrence		Site: 1994-07-XX
Origin			
Origin: Presence:	Presumed Extant		Record Last Updated: 1998-10-29
Origin: Presence:	Presumed Extant Unknown		Record Last Updated: 1998-10-29
Origin Presence Trend:			Record Last Updated: 1998-10-29
Origin Presence Trend:	Unknown : Dozier (3812137/498D)		Record Last Updated: 1998-10-29
Origin Presence Trend: Quad Summary County Summary Lat/Long	Unknown : Dozier (3812137/498D) : Solano : 38.26044º / -121.77651º		Township: 05N
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039		Township: 05N Range: 02E
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area:	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Township: 05N Range: 02E Section: 20 Qtr: XX
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft	Symbol Type:POLYGON	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft		Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft : BARKER SLOUGH, CALHOUN CUT AND L I:ACTUAL DISTRIBUTION OF LATHYRUS IS	Symbol Type:POLYGON INDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH 5 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARH	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft : BARKER SLOUGH, CALHOUN CUT AND L : ACTUAL DISTRIBUTION OF LATHYRUS IS LILAEOPSIS MASONII #70 OVERLAPS TH	Symbol Type:POLYGON INDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH 5 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARH IS OCCURRENCE.	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M SLOUGH FROM THEIR MUTUAL CONFLUENCE. KER SLOUGH, AND 1.1 MILES UP LINDSEY SLOUGH
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	Unknown : Dozier (3812137/498D) : Solano : 38.26044°/-121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft : BARKER SLOUGH, CALHOUN CUT AND L I:ACTUAL DISTRIBUTION OF LATHYRUS IS LILAEOPSIS MASONII #70 OVERLAPS TH : GROWING WITHIN MIXED WILLOW SCRU	Symbol Type:POLYGON INDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH 5 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARH IS OCCURRENCE. JB JUST ABOVE TIDAL ZONE. ASSOCIATED WITH	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M SLOUGH FROM THEIR MUTUAL CONFLUENCE. KER SLOUGH, AND 1.1 MILES UP LINDSEY SLOUGH
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai	Unknown : Dozier (3812137/498D) : Solano : 38.26044° / -121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft : BARKER SLOUGH, CALHOUN CUT AND L :ACTUAL DISTRIBUTION OF LATHYRUS IS LILAEOPSIS MASONII #70 OVERLAPS TH : GROWING WITHIN MIXED WILLOW SCRU PLANTS NEARBY INCLUDE ASTER LENT	Symbol Type:POLYGON INDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH 5 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARH IS OCCURRENCE.	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M SLOUGH FROM THEIR MUTUAL CONFLUENCE. KER SLOUGH, AND 1.1 MILES UP LINDSEY SLOUGH
Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Location Detai Ecologica Threat	Unknown : Dozier (3812137/498D) : Solano : 38.26044°/-121.77651° Zone-10 N4235420 E607039 222.5 acres : 5 ft : BARKER SLOUGH, CALHOUN CUT AND L I:ACTUAL DISTRIBUTION OF LATHYRUS IS LILAEOPSIS MASONII #70 OVERLAPS TH : GROWING WITHIN MIXED WILLOW SCRU	Symbol Type:POLYGON INDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH 5 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARH IS OCCURRENCE. JB JUST ABOVE TIDAL ZONE. ASSOCIATED WITH US, LILAEOPSIS MASONII, AND LIMOSELLA SUBU	Township: 05N Range: 02E Section: 20 Qtr: XX Meridian: M SLOUGH FROM THEIR MUTUAL CONFLUENCE. KER SLOUGH, AND 1.1 MILES UP LINDSEY SLOUGH

_athyrus jepsonii var.	jepsonii				
Delta tule pea				Element Code: PDFAB250D2	
Federal: None	JS	NDDB Eleme Global: G		Other Lists CNPS L	ist: 1B.2
State: None		State: S			
Habitat As	sociations				
General: FRESH	WATER AND BRACKISH MARSH	HES.			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LEN	ITUS, ROSA CALIF., JUNG	CUS SPP., SCIRPUS, E	TC. USUALLY ON MARSH AND SLC	DUGH EDGES.
Occurrence No.	53 Map Index:	24962	EO Index: 6306	_	Dates Last Seen
Occ Rank:					Element: 1988-XX-XX
	Natural/Native occurrence Presumed Extant				Site: 1988-XX-XX
	Unknown			Record Last	Updated: 1994-02-10
Quad Summary:	Liberty Island (3812136/497C)				
County Summary	: Solano				
	38.30275º / -121.72973º			Township:	
	Zone-10 N4240170 E611068		anning BrocisionSDEC	Range: IFIC Section:	
Area: Elevation:	210.7 acres 5 ft	N.	apping PrecisionSPEC Symbol Type:POLY		
Location	HASS SLOUGH AND CACHE S	SLOUGH, ADJACENT TO	THE SOUTHEAST END	OF PETERS POCKET.	
Location Detail			FROM MOUTH UPSTR	EAM 3 KM AND ALONG SHORES OF	CACHE SLOUGH FROM TIP OF
	PETERS POCKET UPSTREAM				
		1988. MAP DETAIL IS ONI	Y SOURCE OF INFOR	MATION. SITE QUALITY AND ECOL	DGICAL INFORMATION NEEDED.
Owner/Manager:	UNKNOWN				
Occurrence No.	54 Map Index:	24961	EO Index: 6305	—	Dates Last Seen
Occ Rank:					Element: 1988-XX-XX
-	Natural/Native occurrence				Site: 1988-XX-XX
	Presumed Extant Unknown			Record Last	Updated: 1995-12-15
Quad Summarv:	Liberty Island (3812136/497C)				
County Summary					
-	38.29670º / -121.74571º			Township:	
	Zone-10 N4239479 E609680			Range:	
Area: Elevation:	10.1 acres 5 ft	N	apping PrecisionSPEC Symbol Type:POLY		
				UTHEAST TIP OF PETERS POCKET	
		E OF INFORMATION FOR	THIS SITE. ECOLOGIC	CAL AND SITE QUALITY INFORMATI	UN NEEDED.
Owner/Manager:					
Occurrence No.	•	24984	EO Index: 8097	_	Dates Last Seen
Occ Rank:					Element: 1989-10-25 Site: 1989-10-25
-	Natural/Native occurrence Presumed Extant				JIC. 1909-10-20
	Unknown			Record Last	Updated: 1993-12-27
Quad Summary:	Fairfield South (3812221/482A)				
County Summary	: Solano				
-	38.23908º / -122.03951º			Township:	
	Zone-10 N4232778 E584054 80 meters	M	apping PrecisionSPEC	Range: IFIC Section:	
Elevation:		N.	Symbol Type:POIN		
Location	SUISUN CITY, WEST BANK OF	SUISUN SLOUGH.			
	:GROWING APPROX. 50 METE		E EAST END OF SOLAN	IO STREET.	
	GROWING IN NARROW STRIF	BETWEEN WATER'S ED	GE AND MOWN LAWN	/PAVED AREA. ASSOCIATED WITH	GRINDELIA HUMILIS,
-	PHRAGMITES COMMUNIS, AN				
	FUTURE FLOOD AND EROSIC				
General:	APPROX. 5 PLANTS OBSERVE ATTRIBUTED TO THIS SITE.	וו 1989. SITE IS WITH 1989. SITE	IN A PRIVATELY OWNE	ED MARINA. 1903 COLLECTION BY	BAKER FROM SUISUN
Owner/Manager:	: PVT				

Delta tule pea State	us ————	NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists		
Federal: None State: None		Global: G5T2 State: \$2.2		ist: 1B.2	
	SSOCIATIONS				
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, RO	SA CALIF., JUNCUS SPP., SCIRPUS	, ETC. USUALLY ON MARSH AND SLC	UGH EDG	ES.
Occurrence No. Occ Rank:	•	<b>EO Index:</b> 3267			1992-XX-XX
Presence:	Natural/Native occurrence Presumed Extant		Record Last		1992-XX-XX
	Unknown	/		opuateu.	1337-12-03
Quad Summary: County Summary	: Honker Bay (3812118/481C), Denverton : Solano	(3812128/481B)			
Lat/Long:	38.12548º / -121.91601º		Township:	03N	
	Zone-10 N4220292 E595010	Manuface Desistant/	Range:		
Radius: Elevation:	1/10 mile 5 ft	Mapping PrecisionNC Symbol Type:PC			Qtr: XX
Location	: MONTEZUMA SLOUGH ALONG EAST S	SIDE OF GRIZZLY ISLAND, WEST SI	DE OF SLOUGH ABOUT 1.2 MILES SOL	ITH OF ME	INS LANDING.
Location Detail	SINGLE COLONY MAPPED IN 1994.				
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		PORT "SUMMARY OF SENSITIVE PLAN	T AND WIL	DLIFE RESOURCE
Owner/Manager	: UNKNOWN				
Occurrence No.	. 76 Map Index: 37675	EO Index: 3267	7 —	Dates Las	st Seen
Occ Rank:					1992-XX-XX
-	Natural/Native occurrence Presumed Extant			Site:	1992-XX-XX
	Unknown		Record Last	Updated:	1997-12-09
Quad Summary:	: Denverton (3812128/481B)				
County Summary					
-	38.13575° / -121.91454° Zone-10 N4221433 E595125		Township: Range:		
	49.5 acres	Mapping PrecisionSF	-		Qtr: XX
Elevation:	5 ft	Symbol Type:PC	DLYGON Meridian:	М	
	: MONTEZUMA SLOUGH ALONG EAST S		DE OF SLOUGH DOWNSTREAM FROM	MEINS LA	NDING.
	FROM OPPOSITE MEINS LANDING SO				
General.	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		ORT SUMMART OF SENSITIVE FLAN	I AND WIL	DLIFE RESOURCE
Owner/Manager	UNKNOWN				
Occurrence No.	-	EO Index: 3267		Dates Las	
Occ Rank: Origin:	Unknown Natural/Native occurrence				1999-XX-XX 1999-XX-XX
•	Presumed Extant				
Trend:	Unknown		Record Last	Updated:	2000-09-14
Quad Summary: County Summary	: Denverton (3812128/481B)				
			Tanna bla	04N	
-	38.16396º / -121.93267º Zone-10 N4224545 E593500		Township: Range:		
Area:	5.5 acres	Mapping PrecisionSF			Qtr: XX
Elevation	5 ft	Symbol Type:PC	DLYGON Meridian:	М	
Location	: MONTEZUMA SLOUGH ALONG NORTH SLOUGH.	HEAST SIDE OF GRIZZLY ISLAND, A	LONG W SIDE OF SLOUGH SOUTH OF	CONFLUE	NCE WITH NURSE
			LINGOS LANDING.		
Location Detail	EFOUR COLONIES MAPPED NEAR LEVE	LES ALONG THE SHORE OFFOSITE			

Delta tule pea Stat		- NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists	
Federal: None State: None		Global: G5T2 State: S2.2	CNPS List: 1	B.2
	SSOCIATIONS WATER AND BRACKISH MARSHES.			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, RO	SA CALIF., JUNCUS SPP., SCIRPUS, ETC.	USUALLY ON MARSH AND SLOUGH	EDGES.
Occurrence No		<b>EO Index:</b> 32680		s Last Seen nt: 1992-XX-XX
Occ Rank: Origin:	Unknown Natural/Native occurrence			te: 1992-XX-XX
-	Presumed Extant			
Trend:	Unknown		Record Last Upda	ted: 1997-12-09
Quad Summary County Summary	: Denverton (3812128/481B) : Solano			
	38.18051º/-121.91262º		Township: 04N	
	Zone-10 N4226402 E595235		Range: 01E	
Radius: Elevation	1/10 mile	Mapping PrecisionNON-SP Symbol Type:POINT	ECIFIC Section: 19 Meridian: M	Qtr: XX
		NORTHEAST OF GRIZZLY ISLAND, SUISU		
		JT 1.5 MILES NORTHWEST OF SHILO CH		
General	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR	t THIS SITE IS MAP FROM 1994 REPORT ' S 1984-1994 (DWR).	SUMMARY OF SENSITIVE PLANT AND	WILDLIFE RESOURCE
Owner/Manager	UNKNOWN			
Occurrence No	. 79 Map Index: 37679	EO Index: 32681	Dates	s Last Seen
Occ Rank:	Unknown			nt: 1999-XX-XX
-	Natural/Native occurrence		Si	te: 1999-XX-XX
	Presumed Extant Unknown		Record Last Upda	ted: 2000-09-14
Quad Summary	: Denverton (3812128/481B)			
County Summary	: Solano			
-	38.18852º / -121.93025º		Township: 04N	
	Zone-10 N4227272 E593681 41.7 acres	Mapping PrecisionSPECIFI	C Range: 01W C Section: 13	Qtr: XX
Elevation		Symbol Type:POLYGC		<b>u</b>
Location	WEST SIDE OF NURSE SLOUGH WEST	OF BRADMOOR ISLAND, NORTHEAST C	F GRIZZLY ISLAND, SUISUN MARSH.	
Location Detai	EFOUR COLONIES MAPPED IN 1992 AS	ONE POLYGON AT CNDDB.		
General		THIS SITE IS MAP FROM 1994 REPORT " RS 1984-1994 (DWR). ALSO REPORTED IN		
Owner/Manager	UNKNOWN			
Occurrence No	. 80 Map Index: 37680	EO Index: 32682		s Last Seen
Occ Rank:				nt: 1999-XX-XX te: 1999-XX-XX
	Natural/Native occurrence Presumed Extant		Si	1999-77-77
	Unknown		Record Last Upda	ted: 2000-09-14
Quad Summary	: Denverton (3812128/481B)			
County Summary	: Solano			
Lat/Long:	38.18000º / -121.95440º		Township: 04N	
	Zone-10 N4226303 E591577 104.2 acres	Mapping PrecisionSPECIFI	C Range: 01W C Section: 22	Qtr: XX
		Symbol Type:POLYGC		Set . 174
Area: Elevation:	CROSS SLOUGH AND ADJACENT MON	TEZUMA SLOUGH, SUISUN MARSH.		
Area: Elevation: Location	CROSS SLOUGH AND ADJACENT MON	ITEZUMA SLOUGH, SUISUN MARSH. NEAR LEVEES FROM JUST WEST OF TH	E MOUTH TO THE LAST BEND AT THE	NW END OF THE SLO

Delta tule pea State	us		Element Ranks -	Element Code:	Other Lists		
Federal: None State: None		Glo	bal: G5T2 ate: S2.2		CNPS L	<b>ist:</b> 1B.2	
General: EDESU	ssociations ————————————————————————————————————						
	FOUND W/ TYPHA, ASTER LE		, JUNCUS SPP., SCI	RPUS, ETC. USUALLY ON M	IARSH AND SLO	DUGH EDG	ES.
Occurrence No.	. 83 Map Index	: 37683	EO Index:	32685		Dates Las	st Seen
Occ Rank:							1999-XX-XX
•	Natural/Native occurrence Presumed Extant					Site:	1999-XX-XX
	Unknown				Record Last	Updated:	2000-09-14
-	: Denverton (3812128/481B)						
County Summary	: Solano						
-	38.17612º / -121.95393º				Township:		
	Zone-10 N4225873 E591622		Manning Drasis		Range:		
Area: Elevation:	2.6 acres : 5 ft		Mapping Precis Symbol Ty	pe:POLYGON	Section: Meridian:		Qtr: XX
Location	NORTH SIDE OF MONTEZUN MARSH.	IA SLOUGH OPPOSI	TE THE NE END OF	GRIZZLY ISLAND, ACROSS	FROM MOUTH	OF FROST	SLOUGH, SUISUN
Location Detail	SINGLE COLONY MAPPED A	LONG LEVEE.					
General:	SITE REPORTED IN 1999 MA	P BY STATE LANDS	COMMISSION AND	1994 REPORT BY DEPARTN	ENT OF WATEF	RESOUR	CES.
Owner/Manager	: UNKNOWN						
Occurrence No.	. 84 Map Index	: 37684	EO Index:	32686		Dates Las	st Seen
Occ Rank:	Unknown						1992-XX-XX
-	Natural/Native occurrence					Site:	1992-XX-XX
	Presumed Extant Unknown				Record Last	Undated.	2000-03-09
Trend:	Unknown				Record Las	opuateu.	2000-03-03
Quad Summary: County Summary	: Denverton (3812128/481B)						
	: 38.18647º / -121.98540º				Township:	04N	
-	Zone-10 N4226991 E588854				Range:		
Area:	71.5 acres		Mapping Precis	ionSPECIFIC	Section:	16	Qtr: XX
Elevation	5 ft		Symbol Ty	pe:POLYGON	Meridian:	М	
Location	: NORTH SIDE OF MONTEZUN SLOUGH.	IA SLOUGH OPPOSI	TE THE NORTH ENI	O OF GRIZZLY ISLAND, VICI	NITY OF BELDO	NS LANDIN	IG AND CUTOFF
Location Detail	ESEVERAL COLONIES MAPPE POLYGONS AT CNDDB.	ED FROM JUST EAS	F OF BELDONS LAN	DING TO JUST WEST OF CU	TOFF SLOUGH	IN 1992. M	APPED AS THREE
General	MAIN SOURCE OF INFORMA		IS MAP FROM 199	1 REPORT "SUMMARY OF SU	ENSITIVE PLAN		
General	SUISUN MARSH DURING WA						
Owner/Manager	: UNKNOWN						
Occurrence No.	. 85 Map Index	: 37685	EO Index:	32687		Dates Las	st Seen
Occ Rank:							1992-XX-XX
-	Natural/Native occurrence					Site:	1992-XX-XX
	Presumed Extant Unknown				Record Last	Updated:	1997-12-09
Quad Summary:	: Denverton (3812128/481B), Fa	airfield South (381222	1/482A)				
County Summary	( ),						
					Townshie	04N	
-	38.16492º / -121.99494º Zone-10 N4224591 E588044				Township: Range:		
	117.8 acres		Mapping Precis	ionSPECIFIC	Section:		Qtr: XX
Elevation				pe:POLYGON	Meridian:		
Elevation			<u></u> ח				
	: TREE SLOUGH, NORTH END	OF GRIZZLY ISLAN					
Location	: TREE SLOUGH, NORTH ENE I:NUMEROUS COLONIES MAF			UGH IN 1992. MAPPED AS T	WO LONG POLY	GONS AT	CNDDB.

Delta tule pea State	IS	NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists		
Federal: None State: None		Global: G5T2 State: \$2.2		L <b>ist:</b> 1B.2	
	sociations ———————— NATER AND BRACKISH MARSHES.				
	FOUND W/ TYPHA, ASTER LENTUS, RO	SA CALIF., JUNCUS SPP., SCIRPUS	ETC. USUALLY ON MARSH AND SL	OUGH EDG	ES.
Occurrence No.	•	EO Index: 3268	8	Dates La	
Occ Rank: Origin:	Unknown Natural/Native occurrence				1999-XX-XX 1999-XX-XX
-	Presumed Extant				
Trend:	Unknown		Record Las	t Updated:	2000-09-14
Quad Summary: County Summary	Denverton (3812128/481B) : Solano				
	38.19527º/-121.92841º		Township	04N	
UTM:	Zone-10 N4228023 E593833		Range:		
Area: Elevation:	1.8 acres	Mapping PrecisionSP Symbol Type:PC			Qtr: XX
	NORTH SIDE OF NURSE SLOUGH NEA SINGLE COLONY MAPPED NEAR LEVE:		N SLOUGH AND I MILE SE OF LUCO I	π∟L, SUISI	WARSH.
	SITE REPORTED IN 1999 MAP BY STA		REPORT BY DEPARTMENT OF WATE		CES.
Owner/Manager					
Occurrence No.	90 Map Index: 37694	<b>EO Index:</b> 3269	6	Dates La	st Seen
Occ Rank:	•	Lo Index. 3203	0		1992-XX-XX
	Natural/Native occurrence			Site:	1992-XX-XX
	Presumed Extant Unknown		Record Las	t Updated:	2000-03-08
Quad Summary: County Summary	Denverton (3812128/481B), Fairfield Sou	th (3812221/482A)			
	38.18616º / -122.01388º		Township	04N	
-	Zone-10 N4226930 E586360		Range:		
	166.5 acres	Mapping PrecisionSP			Qtr: XX
Elevation		Symbol Type:PC			
	SOUTH OF POTRERO HILLS ALONG C			GH, SUISUI	N MARSH.
	:NUMEROUS COLONIES MAPPED ALO MAIN SOURCE OF INFORMATION FOR				DUEE RESOURCES
	SUISUN MARSH DURING WATER YEAR				
Owner/Manager	UNKNOWN				
Occurrence No.	-	EO Index: 3269	7 —	Dates La	st Seen 1992-XX-XX
Occ Rank: Origin:	Unknown Natural/Native occurrence				1992-XX-XX 1992-XX-XX
Presence:	Presumed Extant		Descudies		4007 40 44
	Unknown		Record Las	t updated:	1997-12-11
-	Fairfield South (3812221/482A)				
County Summary					
-	38.16917º / -122.02114º Zone-10 N4225038 E585744		Township Range:		
	1/10 mile	Mapping PrecisionNC	-		Qtr: XX
Elevation:		Symbol Type:PC			
	SOUTH SIDE OF MONTEZUMA SLOUG	H ALONG GRIZZLY ISLAND, NEAR T	HE GRIZZLY ISLAND CLUB.		
Location Detail	SINGLE COLONY MAPPED IN 1992.				
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		ORT "SUMMARY OF SENSITIVE PLAP	NT AND WIL	LDLIFE RESOURCES

Delta tule pea Statu	s		ement Ranks	Element Code: PDFAB250D2 Other Lists		
Federal: None State: None			l: G5T2 a: S2.2	CNPS L	<b>.ist:</b> 1B.2	
	sociations ————————————————————————————————————	IES				
			UNCUS SPP., SCIRPUS, ET	C. USUALLY ON MARSH AND SLO	DUGH EDG	ES.
Occurrence No.	92 Map Index:	37696	EO Index: 32698		Dates Las	
Occ Rank:						1992-XX-XX 1992-XX-XX
•	Natural/Native occurrence Presumed Extant				Site.	1992-77-77
	Unknown			Record Las	t Updated:	1997-12-11
	Fairfield South (3812221/482A)					
County Summary:	Solano					
-	38.17064° / -122.02649°			Township:		
	Zone-10 N4225196 E585274 1/10 mile		Mapping PrecisionNON-S	SPECIFIC Section:		Qtr: XX
Elevation:			Symbol Type:POINT			
Location:	NORTH SIDE OF MONTEZUM	SLOUGH ALONG JO	DICE ISLAND, BETWEEN MC	ONTEZUMA CLUB AND GRIZZLY IS	LAND CLU	В.
Location Detail	SINGLE COLONY MAPPED IN	1992.				
General:				FE RESOURCES IN SUISUN MARS E GAME REFUGE ATTRIBUTED TO		
Owner/Manager:	UNKNOWN					
Occurrence No.	93 Map Index:	37697	EO Index: 32699		Dates Las	t Seen
Occ Rank:	Unknown					1992-XX-XX
-	Natural/Native occurrence				Site:	1992-XX-XX
	Presumed Extant Unknown			Record Las	t Updated:	1997-12-11
Quad Summary:	Fairfield South (3812221/482A)					
County Summary:	Solano					
Lat/Long:	38.17210º / -122.03302º			Township:	04N	
	Zone-10 N4225352 E584700			Range:		
Radius: Elevation:	1/10 mile 5 ft		Mapping PrecisionNON-S Symbol Type:POINT			Qtr: XX
Location:	NORTH SIDE OF MONTEZUM	SLOUGH ALONG JO		OM THE MONTEZUMA CLUB.		
Location Detail	SINGLE COLONY MAPPED IN	1992.				
General:	ONLY SOURCE OF INFORMAT SUISUN MARSH DURING WAT			T "SUMMARY OF SENSITIVE PLAN	IT AND WIL	DLIFE RESOURCE
Owner/Manager:	UNKNOWN					
Occurrence No.	•	37698	EO Index: 32700		Dates Las	
Occ Rank:						1992-XX-XX 1992-XX-XX
	Natural/Native occurrence Presumed Extant				Site:	1992-77-77
	Unknown			Record Las	t Updated:	1997-12-11
-	Fairfield South (3812221/482A)					
County Summary:	Solano					
Lat/Long:	38.17036º / -122.03984º			Township:	04N	
	Zone-10 N4225152 E584105			Range:	02W	
Area: Elevation:	19.4 acres 5 ft		Mapping PrecisionSPECI Symbol Type:POLYC			Qtr: XX
	NORTHWEST SIDE OF MONTE	ZUMA SLOUGH ALC				
	TWO COLONIES MAPPED IN 1					
	ONLY SOURCE OF INFORMAT	ION FOR THIS SITE		T "SUMMARY OF SENSITIVE PLAN	IT AND WIL	DLIFE RESOURCE
	SUISUN MARSH DURING WAT					

Delta tule pea State	IS	NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists	
Federal: None State: None		Global: G5T2 State: S2.2	CNPS List: 1B	.2
	Sociations ————————————————————————————————————			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, RO	SA CALIF., JUNCUS SPP., SCIRPUS, ETC	C. USUALLY ON MARSH AND SLOUGH E	DGES.
Occurrence No.	•	EO Index: 32705		Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence			nt: 1992-XX-XX a: 1992-XX-XX
	Presumed Extant Unknown		Record Last Update	ed: 1997-12-15
	Fairfield South (3812221/482A)		·	
County Summary	· · · · ·			
Lat/Long:	38.16528º / -122.04572º		Township: 04N	
	Zone-10 N4224583 E583595		Range: 02W	
Elevation:	1/10 mile 5 ft	Mapping PrecisionNON-SI Symbol Type:POINT	PECIFIC Section: 26 Meridian: M	Qtr: XX
Location	WEST SIDE OF MONTEZUMA SLOUGH	ALONG JOICE ISLAND, ABOUT 0.75 MIL	E NORTH OF HUNTER CUT.	
Location Detail	SINGLE COLONY MAPPED IN 1992.			
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		SUMMARY OF SENSITIVE PLANT AND	WILDLIFE RESOURCES
Owner/Manager	UNKNOWN			
Occurrence No.	. 96 Map Index: 37705	EO Index: 32707		Last Seen
Occ Rank:				it: 1992-XX-XX e: 1992-XX-XX
-	Natural/Native occurrence Presumed Extant		316	3. 1992-77-77
Trend:	Unknown		Record Last Update	ed: 1997-12-15
	Fairfield South (3812221/482A)			
County Summary				
-	38.14925° / -122.05810° Zone-10 N4222794 E582529		Township: 04N Range: 02W	
	22.9 acres	Mapping PrecisionSPECIF	FIC Section: 35	Qtr: XX
Elevation	5 ft	Symbol Type:POLYG	GON Meridian: M	
		ALONG JOICE ISLAND, ABOUT 0.3-0.7 N	/ILE SOUTH OF HUNTER CUT.	
	TWO COLONIES MAPPED IN 1992.			
General:	SUISUN MARSH DURING WATER YEAR		SUMMARY OF SENSITIVE PLANT AND	WILDLIFE RESOURCES
Owner/Manager	UNKNOWN			
Occurrence No.	•	EO Index: 32708		Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence			it: 1992-XX-XX a: 1992-XX-XX
	Presumed Extant			
Trend:	Unknown		Record Last Update	ed: 1997-12-15
	Fairfield South (3812221/482A)			
	Solano			
County Summary			Township: 03N Range: 02W	
County Summary Lat/Long:	38.13656º / -122.06240º Zone-10 N4221382 E582166			
County Summary Lat/Long: UTM:	38.13656º / -122.06240º Zone-10 N4221382 E582166 14.1 acres	Mapping PrecisionSPECIF	-	Qtr: XX
County Summary Lat/Long: UTM:	Zone-10 N4221382 E582166 14.1 acres	Mapping PrecisionSPECIF Symbol Type:POLYG	FIC Section: 02	Qtr: XX
County Summary Lat/Long: UTM: Area: Elevation: Location	Zone-10 N4221382 E582166 14.1 acres 5 ft WEST SIDE OF MONTEZUMA SLOUGH	Symbol Type:POLYG	FIC Section: 02	
County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Zone-10 N4221382 E582166 14.1 acres 5 ft : WEST SIDE OF MONTEZUMA SLOUGH : TWO COLONIES MAPPED IN 1992.	Symbol Type:POLYG	FIC Section: 02 SON Meridian: M	H OF SLOUGH.

Delta tule pea Stat		NDDB Element Ranks	t Code: PDFAB250D2 Other Lists
Federal: None State: None	15	Global: G5T2 State: S2.2	CNPS List: 1B.2
	ssociations —		
	WATER AND BRACKISH MARSHES.		
MICRO: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROS	A CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALL	Y ON MARSH AND SLOUGH EDGES.
Occurrence No	. 98 Map Index: 37707	EO Index: 32709	Dates Last Seen
Occ Rank:	•		Element: 1992-XX-XX
•	Natural/Native occurrence		Site: 1992-XX-XX
	Presumed Extant		Record Last Updated: 1997-12-15
Trend:	Unknown		Record Last opualed. 1997-12-13
Quad Summary	Fairfield South (3812221/482A)		
County Summary	: Solano		
Lat/Long:	: 38.21381º/-122.03537º		Township: 04N
UTM:	Zone-10 N4229978 E584446		Range: 02W
	52.2 acres	Mapping PrecisionSPECIFIC	Section: 12 Qtr: XX
Elevation	. σ π	Symbol Type:POLYGON	Meridian: M
Location	: UPPER SUISUN SLOUGH FROM BOYNT	ON SLOUGH NORTH TO RUSH LANDING, SUISUN	MARSH.
Location Detai	SEVERAL COLONIES MAPPED IN 1992.		
General	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS MAP FROM 1994 REPORT "SUMMAR	AY OF SENSITIVE PLANT AND WILDLIFE RESOURC
	SUISUN MARSH DURING WATER YEARS		
Owner/Manager	: UNKNOWN		
Occurrence No	. 99 Map Index: 37708	EO Index: 32710	Dates Last Seen
Occurrence No Occ Rank:	•	EO IIdex. 32710	Element: 1992-XX-XX
	Natural/Native occurrence		Site: 1992-XX-XX
Presence:	Presumed Extant		
Trend:	Unknown		Record Last Updated: 1997-12-15
Quad Summary	Fairfield South (3812221/482A)		
County Summary	: Solano		
Lat/Long:	: 38.22112º / -122.02941º		Township: 04N
	Zone-10 N4230794 E584959		Range: 02W
Area: Elevation	45.8 acres		Section: 01 Qtr: XX Meridian: M
Elevation	511	Symbol Type:POLYGON	
Location	: UPPER SUISUN SLOUGH AT MOUTH OF	HILL SLOUGH, SUISUN MARSH.	
Location Detai	SEVERAL COLONIES MAPPED IN 1992.		
			Y OF SENSITIVE PLANT AND WILDLIFE RESOURC
General	SUISUN MARSH DURING WATER YEAR	3 1984-1994 (DWR). SEVERAL OLD COLLECTIONS	S FROM SUISUN MARSHES ATTRIBUTED TO THIS S
General			
General: Owner/Manager			
	: UNKNOWN	EO Index: 32711	Dates Last Seen
Owner/Manager	: UNKNOWN . 100 Map Index: 37709	EO Index: 32711	Element: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin:	: UNKNOWN . 100 Map Index: 37709 Unknown Natural/Native occurrence	EO Index: 32711	
Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: UNKNOWN . 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant	EO Index: 32711	Element: 1992-XX-XX Site: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: UNKNOWN . 100 Map Index: 37709 Unknown Natural/Native occurrence	EO Index: 32711	Element: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: UNKNOWN . 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant	EO Index: 32711	Element: 1992-XX-XX Site: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A)	EO Index: 32711	Element: 1992-XX-XX Site: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A)	EO Index: 32711	Element: 1992-XX-XX Site: 1992-XX-XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.22478° / -122.05363° Zone-10 N4231178 E582835		Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area:	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.22478° / -122.05363° Zone-10 N4231178 E582835 46.0 acres	Mapping PrecisionSPECIFIC	Element:         1992-XX-XX Site:         1992-XX-XX           Record Last Updated:         1997-12-15           Township:         04N Range:         02W Section:         02         Qtr: XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.22478° / -122.05363° Zone-10 N4231178 E582835 46.0 acres		Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.22478° / -122.05363° Zone-10 N4231178 E582835 46.0 acres : 5 ft : UPPER PEYTONIA SLOUGH ALONG BO	Mapping PrecisionSPECIFIC	Element:         1992-XX-XX Site:         1992-XX-XX           Record Last Updated:         1997-12-15           Township:         04N Range:         02W Section:         02         Qtr: XX
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: UNKNOWN 100 Map Index: 37709 Unknown Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.22478° / -122.05363° Zone-10 N4231178 E582835 46.0 acres : 5 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element:         1992-XX-XX Site:         1992-XX-XX           Record Last Updated:         1997-12-15           Township:         04N Range:         02W Section:         02         Qtr: XX

Delta tule pea			ement Code: PDFAB250D2
Federal: None State: None	IS	NDDB Element Ranks Global: G5T2 State: S2.2	CNPS List: 1B.2
	sociations		
	VATER AND BRACKISH MARSHES. FOUND W/ TYPHA ASTER LENTUS ROS	A CALIF., JUNCUS SPP., SCIRPUS, ETC. US	SUALLY ON MARSH AND SLOUGH EDGES
0112.1			
Occurrence No.	•	EO Index: 32712	Dates Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence		Element: 2000-09-27 Site: 2000-09-27
	Presumed Extant		Record Last Updated: 2002-11-25
	Unknown		Record Last optiated. 2002-11-25
-	Fairfield South (3812221/482A)		
County Summary			Townshine Add
-	38.22586º / -122.01197º Zone-10 N4231336 E586480		Township: 04N Range: 01W
	80 meters	Mapping PrecisionSPECIFIC	Section: 06 Qtr: XX
Elevation:		Symbol Type:POINT	Meridian: M
	HILL SLOUGH ABOUT 0.9 MILE NNE OF	SUISUN HILL, SUISUN MARSH.	
	SINGLE COLONY MAPPED IN 1992.		
	CATTLE GRAZING AND TRAMPLING MA		E RESOURCES IN SUISUN MARSH DURING WATER YEA
General			RING 2000 SURVEY FOR CORDYLANTHUS MOLLIS SSP.
Owner/Manager	UNKNOWN		
Occurrence No.	102 Map Index: 37711	EO Index: 32713	Dates Last Seen
Occ Rank:			Element: 1992-XX-XX Site: 1992-XX-XX
-	Natural/Native occurrence Presumed Extant		
Trend:	Unknown		Record Last Updated: 1997-12-15
Quad Summary:	Fairfield South (3812221/482A)		
County Summary	Solano		
-	38.20558º / -122.06125º		Township: 04N
	Zone-10 N4229041 E582190 28.7 acres	Mapping PrecisionSPECIFIC	Range: 02W Section: 11 Qtr: XX
Elevation:	5 ft	Symbol Type:POLYGON	Meridian: M
Location	UPPER BOYNTON SLOUGH ALONG BOT	TH SIDES OF RR TRACKS, SUISUN MARSH.	
Location Detail	SEVERAL COLONIES MAPPED IN 1992	WO POLYGONS AT CNDDB.	
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		MMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCI
		5 1304-1354 (DWW).	
Owner/Manager			
Owner/Manager		<b>FO</b>	Datas Last Case
Owner/Manager Occurrence No. Occ Rank:	103 Map Index: 37712	EO Index: 32714	Dates Last Seen     Element: 1992-XX-XX
Occurrence No. Occ Rank: Origin:	103 <b>Map Index:</b> 37712 Unknown Natural/Native occurrence	EO Index: 32714	
Occurrence No. Occ Rank: Origin: Presence:	103 Map Index: 37712 Unknown	EO Index: 32714	Element: 1992-XX-XX
Occurrence No. Occ Rank: Origin: Presence: Trend:	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown	EO Index: 32714	Element: 1992-XX-XX Site: 1992-XX-XX
Occurrence No. Occ Rank: Origin: Presence: Trend:	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A)	<b>EO Index:</b> 32714	Element: 1992-XX-XX Site: 1992-XX-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A)	EO Index: 32714	Element: 1992-XX-XX Site: 1992-XX-XX
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.20221°/ -122.04119° Zone-10 N4228685 E583950		Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.20221º / -122.04119º Zone-10 N4228685 E583950 67.3 acres	EO Index: 32714 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.20221°/ -122.04119° Zone-10 N4228685 E583950 67.3 acres 5 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W Section: 14 Qtr: XX Meridian: M
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.20221°/ -122.04119° Zone-10 N4228685 E583950 67.3 acres 5 ft	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W Section: 14 Qtr: XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	103 Map Index: 37712 Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.20221º / -122.04119º Zone-10 N4228685 E583950 67.3 acres 5 ft : SHELDRAKE SLOUGH & ADJACENT SUI :SEVERAL COLONIES MAPPED IN 1992.	Mapping PrecisionSPECIFIC Symbol Type:POLYGON SUN SLOUGH, FROM MOUTH OF SHELDRA	Element: 1992-XX-XX Site: 1992-XX-XX Record Last Updated: 1997-12-15 Township: 04N Range: 02W Section: 14 Qtr: XX Meridian: M

Delta tule pea			nt Code: PDFAB250D2
Enderally Marca	IS	- NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G5T2 State: S2.2	CNPS List: 1B.2
——— Habitat As	sociations —		
	VATER AND BRACKISH MARSHES.		
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, RO	SA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUAL	LY ON MARSH AND SLOUGH EDGES.
Occurrence No.	104 <b>Map Index:</b> 37713	EO Index: 32715	Dates Last Seen
Occ Rank:	Unknown		Element: 1992-XX-XX
-	Natural/Native occurrence		Site: 1992-XX-XX
	Presumed Extant Unknown		Record Last Updated: 1997-12-15
Quad Summary:	Fairfield South (3812221/482A)		
County Summary	, , , , , , , , , , , , , , , , , , ,		
Lat/Long:	38.19114º / -122.04015º		Township: 04N
	Zone-10 N4227458 E584053		Range: 02W
Radius: Elevation:	80 meters 5 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 13 Qtr: XX Meridian: M
		OUT 0.5 MILE SOUTH OF THE MOUTH OF SHELDR	
	SINGLE COLONY MAPPED IN 1992.	SOLUSIWILL SOUTH OF THE WOUTH OF SHELDK	ANE GEOUGH, GUISUN WARGH.
			RY OF SENSITIVE PLANT AND WILDLIFE RESOURC
General	SUISUN MARSH DURING WATER YEAF		AND WILDLIFE RESOURCE
Owner/Manager	UNKNOWN		
Occurrence No.	105 Map Index: 37714	EO Index: 32716	Dates Last Seen
Occ Rank:	•		Element: 1992-XX-XX
	Natural/Native occurrence		Site: 1992-XX-XX
Presence:	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2000-03-09
	Fairfield South (3812221/482A)		
County Summary	Solano		
	38.17898° / -122.05690°		Township: 04N
	Zone-10 N4226094 E582600 108.9 acres	Mapping PrecisionSPECIFIC	Range: 02W Section: 23 Qtr: XX
Elevation:		Symbol Type:POLYGON	Meridian: M
Location	SUISUN SLOUGH IN VICINTIY OF NAVY		
	MAPPED ALONG ALONG BOTH SIDES		TO 0.7 MILE SE OF POINT. SEVERAL COLONIES M
	IN 1992.		
General:	MAIN SOURCES OF MAP DETAIL FOR WATER YEARS 1984-1994' (DWR) AND		AND WILDLIFE RESOURCES IN SUISUN MARSH DU
Owner/Manager			
Occurrence No.	106 Map Index: 37716	EO Index: 32718	Dates Last Seen
Occ Rank:			Element: 1992-XX-XX
	Natural/Native occurrence		Site: 1992-XX-XX
	Presumed Extant Unknown		Record Last Updated: 1997-12-15
Quad Summary: County Summary	Fairfield South (3812221/482A)		
County Summary			Townships 641
1	38.17255º / -122.06114º Zone-10 N4225376 E582236		Township: 04N Range: 02W
-	80 meters	Mapping PrecisionSPECIFIC	Section: 23 Qtr: XX
UTM:		Symbol Type:POINT	Meridian: M
UTM:	5 ft		
UTM: Radius: Elevation:		T EAST OF WELLS SLOUGH, SUISUN MARSH.	
UTM: Radius: Elevation: Location		T EAST OF WELLS SLOUGH, SUISUN MARSH.	
UTM: Radius: Elevation: Location Location Detail	NORTH SIDE OF SUISUN SLOUGH JUS SINGLE COLONY MAPPED IN 1992.	THIS SITE IS MAP FROM 1994 REPORT "SUMMA	RY OF SENSITIVE PLANT AND WILDLIFE RESOURC

Delta tule pea State	IC	- NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists		
Federal: None State: None		Global: G5T2 State: S2.2		ist: 1B.2	
	WATER AND BRACKISH MARSHES.				
MICIO. OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROS	SA CALIF., JUNCUS SPP., SCIRPUS, ET	C. USUALLY ON MARSH AND SLO	UGH EDGE	=5.
Occurrence No. Occ Rank: Origin:	•	<b>EO Index:</b> 32719			t Seen 1992-XX-XX 1992-XX-XX
	Presumed Extant Unknown		Record Last	Updated:	1997-12-15
Quad Summary: County Summary	Fairfield South (3812221/482A) : Solano				
UTM:	38.18206° / -122.06980° Zone-10 N4226424 E581467	Manning Descripton ODE O	Township: Range:	02W	04 //
Elevation:	80 meters 5 ft	Mapping PrecisionSPECI Symbol Type:POINT			Qtr: XX
Location	ALONG WELLS SLOUGH ABOUT 0.2 MIL	LE NORTHEST OF CONFLUENCE WITH	I CHADBOURNE SLOUGH, SUISUN	MARSH.	
Location Detail	SINGLE COLONY MAPPED IN 1992.				
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		T "SUMMARY OF SENSITIVE PLAN"	T AND WILI	DLIFE RESOURCES
Owner/Manager	UNKNOWN				
Occurrence No.	108 Map Index: 37718	EO Index: 32720		Dates Las	t Seen ———
Occ Rank:			F		1992-XX-XX
-	Natural/Native occurrence Presumed Extant			Site:	1992-XX-XX
	Unknown		Record Last	Updated:	2000-03-08
Quad Summary:	Fairfield South (3812221/482A)				
County Summary	Solano				
-	38.18619º / -122.09389º		Township:		
	Zone-10 N4226861 E579353 82.1 acres	Mapping PrecisionSPECI	FIC Section:		Qtr: XX
Elevation:		Symbol Type:POLYC			QUI. ^^
Location	CHADBOURNE SLOUGH, ABOUT 1-2 MI	LES WEST OF CONFLUENCE WITH WE	ELLS SLOUGH, SUISUN MARSH.		
Location Detail	SEVERAL COLONIES MAPPED IN 1992.				
General:	MAIN SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR			AND WILD	DLIFE RESOURCES
Owner/Manager	UNKNOWN				
Occurrence No.	109 Map Index: 37719	EO Index: 32721		Dates Las	
Occ Rank:	Unknown Natural/Native occurrence		E		1992-XX-XX 1992-XX-XX
	Presumed Extant			Sile.	1992-777-77
	Unknown		Record Last	Updated:	1997-12-15
	Fairfield South (3812221/482A)				
-	Solano				
Quad Summary: County Summary	38.19733º / -122.12030º		Township:		
County Summary Lat/Long:			Range:		Qtr: XX
County Summary Lat/Long: UTM:	Zone-10 N4228075 E577028	Manning ProcisionSPECI		10	Sec. 197
County Summary Lat/Long: UTM:	Zone-10 N4228075 E577028 18.7 acres	Mapping PrecisionSPECI Symbol Type:POLYC		М	
County Summary Lat/Long: UTM: Area: Elevation:	Zone-10 N4228075 E577028 18.7 acres	Symbol Type:POLYC	GON Meridian:	М	
County Summary Lat/Long: UTM: Area: Elevation: Location	Zone-10 N4228075 E577028 18.7 acres 5 ft	Symbol Type:POLY	GON Meridian:	М	

Delta tule pea State		NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists	
Federal: None State: None	13	Global: G5T2 State: S2.2	CNPS Lis	<b>t:</b> 1B.2
	SSOCIATIONS			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROS	SA CALIF., JUNCUS SPP., SCIRPUS, ET	C. USUALLY ON MARSH AND SLOU	IGH EDGES.
Occurrence No.	•	EO Index: 32722		Dates Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence		E	ement: 1992-XX-XX Site: 1992-XX-XX
Presence:	Presumed Extant		<b>B</b> 11 (1	
Trend:	Unknown		Record Last C	Jpdated: 1997-12-15
-	: Fairfield South (3812221/482A)			
County Summary				
-	38.18561º / -122.11740º Zone-10 N4226777 E577294		Township: Range:	
	137.2 acres	Mapping PrecisionSPEC	÷	
Elevation:	5 ft	Symbol Type:POLY	GON Meridian:	Μ
Location	CORDELIA SLOUGH, ABOUT 1.5-2.5 MIL	ES SOUTH OF THE SPRR AT THOMAS	SSON, SUISUN MARSH.	
Location Detail	SEVERAL COLONIES MAPPED IN 1992.			
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		T "SUMMARY OF SENSITIVE PLANT	AND WILDLIFE RESOURCI
Owner/Manager	: UNKNOWN			
Occurrence No.	. 111 Map Index: 37721	EO Index: 32723	I	Dates Last Seen
Occ Rank:			E	ement: 1992-XX-XX
-	Natural/Native occurrence Presumed Extant			Site: 1992-XX-XX
	Unknown		Record Last U	Jpdated: 1997-12-15
Quad Summary:	Fairfield South (3812221/482A)			
County Summary	: Solano			
Lat/Long:	38.17315° / -122.10086°		Township:	04N
	Zone-10 N4225408 E578756 156.4 acres	Mapping PrecisionSPEC	FIC Section:	
Elevation:		Symbol Type:POLY		
Location	: VICINITY OF FRANK HORAN SLOUGH, F	FROM 0.5-1.3 MILES WEST OF TEAL A	ND 0.5-1 MILE SOUTH OF CHADBOU	RNE SLOUGH, SUISUN MA
Location Detail	SEVERAL COLONIES MAPPED IN 1992.			
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEAR		T "SUMMARY OF SENSITIVE PLANT	AND WILDLIFE RESOURCI
Owner/Manager	UNKNOWN			
Occurrence No.	. 112 Map Index: 37722	EO Index: 32724		Dates Last Seen
Occ Rank:			E	ement: 1992-XX-XX Site: 1992-XX-XX
•	Natural/Native occurrence Presumed Extant			JILE. 1332-AA-AA
	Unknown		Record Last U	Jpdated: 1997-12-15
Quad Summary:	: Fairfield South (3812221/482A)			
County Summary	: Solano			
-	38.15710º / -122.09983º		Township:	
	Zone-10 N4223628 E578864 194.6 acres	Manning ProvisionSPEC	Range:	
Area: Elevation:		Mapping PrecisionSPEC Symbol Type:POLY		
	: CORDELIA SLOUGH, FROM 0.3 MILE NV	V OF IBIS CUT TO 0.2 MILE EAST OF C	YGNUS (SPRR), SUISUN MARSH.	
Location				
	SEVERAL COLONIES MAPPED IN 1991,	1992.		
Location Detail	SEVERAL COLONIES MAPPED IN 1991, MAIN SOURCE OF INFORMATION FOR		T "SUMMARY OF SENSITIVE PLANT	AND WILDLIFE RESOURCE

Delta tule pea Statu	ıs	NDDB Element Ranks	ement Code: PDFAB250D2 Other Lists
Federal: None State: None		Global: G5T2 State: S2.2	CNPS List: 1B.2
General: FRESH	sociations ————————————————————————————————————		
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROS	A CALIF., JUNCUS SPP., SCIRPUS, ETC. US	UALLY ON MARSH AND SLOUGH EDGES.
Occurrence No. Occ Rank:	•	EO Index: 32725	Dates Last Seen Element: 1992-XX-XX
-	Natural/Native occurrence		Site: 1992-XX-XX
	Presumed Extant Unknown		Record Last Updated: 2000-03-09
Quad Summary:	Fairfield South (3812221/482A)		
County Summary	Solano		
-	38.14438º / -122.09028º		Township: 04N
	Zone-10 N4222225 E579715 80 meters	Mapping PrecisionSPECIFIC	Range: 02W Section: 33 Qtr: XX
Elevation:		Symbol Type:POINT	Meridian: M
Location	CORDELIA SLOUGH, ABOUT 0.7 MILE D	UE SOUTH OF CYGNUS (SPRR), SUISUN MA	RSH.
Location Detail	SINGLE COLONY MAPPED IN 1991, 1992	<u>.</u> .	
General:		THIS SITE ARE 1991 MAP BY P. ALLEN AND MARSH DURING WATER YEARS 1984-1994	MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PL (DWR).
Owner/Manager:	UNKNOWN		
Occurrence No.	114 Map Index: 37724	EO Index: 32726	Dates Last Seen
Occ Rank:			Element: 1992-XX-XX
-	Natural/Native occurrence Presumed Extant		Site: 1992-XX-XX
	Unknown		Record Last Updated: 1997-12-15
Quad Summary:	Fairfield South (3812221/482A)		
County Summary	Solano		
Lat/Long:	38.13211º / -122.08747º		Township: 03N
	Zone-10 N4220866 E579974		Range: 02W
Radius: Elevation:	80 meters 5 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 04 Qtr: XX Meridian: M
Location	GOODYEAR SLOUGH, ABOUT 0.25 MILE	SOUTH OF CONFLUENCE WITH CORDELIA	SLOUGH, SUISUN MARSH.
Location Detail	SINGLE COLONY MAPPED IN 1992.		
General:	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YEARS		IMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCE
Owner/Manager	UNKNOWN		
	115 Map Index: 37726	EO Index: 32728	Dates Last Seen
Occurrence No.	Unknown		Element: 1992-XX-XX Site: 1992-XX-XX
Occ Rank:	Notural/Nativa conversiones		Site: 1992-44-44
Occ Rank: Origin:	Natural/Native occurrence Presumed Extant		
Occ Rank: Origin: Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last Updated: 1997-12-15
Occ Rank: Origin: Presence: Trend: Quad Summary:	Presumed Extant Unknown Fairfield South (3812221/482A)		Record Last Updated: 1997-12-15
Occ Rank: Origin: Presence: Trend:	Presumed Extant Unknown Fairfield South (3812221/482A)		Record Last Updated: 1997-12-15
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.12828º / -122.09664º		Township: 03N
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.12828° / -122.09664° Zone-10 N4220433 E579174		Township: 03N Range: 02W
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.12828° / -122.09664° Zone-10 N4220433 E579174 23.9 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Township: 03N
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.12828° / -122.09664° Zone-10 N4220433 E579174 23.9 acres 5 ft	Symbol Type:POLYGON	Township: 03N Range: 02W Section: 04 Qtr: <sup>K</sup> X
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.12828° / -122.09664° Zone-10 N4220433 E579174 23.9 acres 5 ft	Symbol Type:POLYGON	Township: 03N Range: 02W Section: 04 Qtr: XX Meridian: M

elta tule pea Stat		NDDB Element Ranks	Element Code: PDFAB250D2 Other Lists	
Federal: None State: None	15	Global: G5T2 State: S2.2	CNPS List: 1B.2	
General: FRESH	Sociations ————————————————————————————————————			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, F	ROSA CALIF., JUNCUS SPP., SCIRPUS, E	TC. USUALLY ON MARSH AND SLOUGH EDGES.	
Occurrence No		EO Index: 32729	Dates Last S	
-	Natural/Native occurrence		Element: 19 Site: 19	
	Presumed Extant Unknown		Record Last Updated: 19	97-12-15
	: Vine Hill (3812211/482D), Fairfield Sou	th (3812221/482A)		
County Summary	: Solano			
-	38.12698º / -122.08290º Zone-10 N4220301 E580380		Township: 03N Range: 02W	
Area: Elevation	32.6 acres 5 ft	Mapping PrecisionSPEC Symbol Type:POLY		Qtr: XX
Location	SUISUN SLOUGH ABOUT 0.5-1 MILE	SOUTH OF CONFLUENCE WITH CORDE	LIA SLOUGH, SUISUN SLOUGH.	
Location Detai	SEVERAL COLONIES MAPPED IN 19	92.		
General	ONLY SOURCE OF INFORMATION FOR SUISUN MARSH DURING WATER YE		T "SUMMARY OF SENSITIVE PLANT AND WILDLI	FE RESOURC
Owner/Manager	UNKNOWN			
Occurrence No	. 117 Map Index: 43737	EO Index: 43737	Dates Last S	een
Occ Rank:			Element: 19 Site: 19	
-	Natural/Native occurrence Presumed Extant		Site. 19	33-77-77
Trend:	Unknown		Record Last Updated: 20	00-09-14
	: Denverton (3812128/481B)			
County Summary				
	38.21301º / -121.92441º Zone-10 N4229996 E594161		Township: 04N Range: 01W	
	1.3 acres	Mapping PrecisionSPEC	-	Qtr: XX
Elevation	5 ft	Symbol Type:POLY	GON Meridian: M	
	: LUCO SLOUGH, WEST BRANCH OF		FLUENCE WITH NURSE SLOUGH, SUISUN MARS	H.
		OR THIS SITE IS 1999 MAP BY STATE LAI		
Owner/Manager				
Occurrence No	. 118 Map Index: 43738	EO Index: 43738	Dates Last S	
Occ Rank:			Element: 19 Site: 19	
-	Natural/Native occurrence Presumed Extant		Site: 19	JJ-VV-VY
	Unknown		Record Last Updated: 20	00-09-14
Quad Summary	: Denverton (3812128/481B)			
County Summary	: Solano			
	38.20667° / -121.92378°		Township: 04N	
	Zone-10 N4229293 E594224 1.2 acres	Mapping PrecisionSPEC	IFIC Range: 01W Section: 12	Qtr: XX
UTM:	1.2 auto	Symbol Type:POLY		well - ^^
UTM:	5 ft			
UTM: Area: Elevation: Location	LUCO SLOUGH, NORTH END OF ISL	AND AT FORK IN SLOUGH ABOUT 0.5 MI	LE NORTH OF CONFLUENCE WITH NURSE SLOU	IGH, SUISUN
UTM: Area: Elevation: Location		AND AT FORK IN SLOUGH ABOUT 0.5 MI	LE NORTH OF CONFLUENCE WITH NURSE SLOU	IGH, SUISUN I

a tule pea State Federal: None State: None	us —————	- NDDB Element Ranks Global: G5T2 State: S2.2	Element Code: PDFAB250D2 Other Lists – CNPS List	: 1B.2
	ssociations —	Otale: 02.2		
	WATER AND BRACKISH MARSHES.			
Micro: OFTEN	FOUND W/ TYPHA, ASTER LENTUS, ROS	SA CALIF., JUNCUS SPP., SCIRPUS, E	TC. USUALLY ON MARSH AND SLOUG	GH EDGES.
Occurrence No.	. 119 Map Index: 43739	EO Index: 43739	D	ates Last Seen
Occ Rank:			Ele	ement: 1999-XX-XX
-	Natural/Native occurrence Presumed Extant			Site: 1999-XX-XX
	Unknown		Record Last U	pdated: 2000-09-14
Quad Summary:	: Denverton (3812128/481B)			
County Summary	: Solano			
-	38.18810º / -121.94298º		Township: 0	
	Zone-10 N4227213 E592567 4.6 acres	Mapping PrecisionSPE	CIFIC Range: 0 Section: 1	
Elevation		Symbol Type:POL		
Location	HASTING SLOUGH, ABOUT 0.5 MILE UF	PSTREAM FROM CONFLUENCE WITH	CROSS SLOUGH, SUISUN MARSH.	
Location Detail	THREE COLONIES MAPPED NEAR LEV	EES ALONG THE SLOUGH.		
General:	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS 1999 MAP BY STATE LA	NDS COMMISSION.	
Owner/Manager	: UNKNOWN			
Occurrence No.	. 120 Map Index: 43740	EO Index: 43740	D	ates Last Seen ——
Occ Rank:	•		Ele	ement: 1999-XX-XX
•	Natural/Native occurrence Presumed Extant			Site: 1999-XX-XX
	Unknown		Record Last U	pdated: 2000-09-14
Quad Summary:	: Denverton (3812128/481B)			
County Summary	: Solano			
Lat/Long:	38.18512º / -121.91206º		Township: 0	4N
	Zone-10 N4226914 E595278 1.6 acres	Mapping PrecisionSPE	CIFIC Range: 0 Section: 1	
Elevation:		Symbol Type:POL		
Location	BRADMOOR ISLAND, NORTH SIDE OF	LITTLE HONKER BAY, SUISUN MARS	ł.	
Location Detail	SINGLE COLONY MAPPED NEAR LEVE	E.		
General:	ONLY SOURCE OF INFORMATION FOR	THIS SITE IS 1999 MAP BY STATE LA	NDS COMMISSION.	
Owner/Manager	: UNKNOWN			
Occurrence No.	. 121 Map Index: 43741	EO Index: 43741	D	ates Last Seen
Occ Rank:			Ele	ement: 1999-XX-XX
	Natural/Native occurrence Presumed Extant			Site: 1999-XX-XX
	Unknown		Record Last U	pdated: 2000-09-14
Quad Summary	: Denverton (3812128/481B)			
County Summary	: Solano			
	38.17206º / -121.92825º		Township: 0	
	Zone-10 N4225448 E593877 1.1 acres	Mapping PrecisionSPE	CIFIC Range: 0 Section: 2	
Elevation:		Symbol Type:POL		
Loostion	: NORTH OF KIRBY HILL, ALONG SOUTH	SIDE OF NURSE SLOUGH OPPOSITI	E MOUTH OF CROSS SLOUGH, SUISUN	N MARSH.
Location				

legenere		NDDD Element Banks	Element Code: PDCAM0C010		
Federal: None State: None	15	NDDB Element Ranks Global: G2 State: S2.2	Other Lists     CNPS	List: 1B.1	
Habitat As	ssociations —				
	L POOLS. MANY HISTORICAL ( S OF VERNAL POOLS. 1-880M.	DCCURRENCES ARE EXTIRPATED.			
Occurrence No	. 1 Map Index:	10590 EO Inde	ex: 6806	- Dates Last Seen	
Occ Rank:	Good			Element: 1994-05-04	
-	Natural/Native occurrence Presumed Extant			Site: 1994-05-04	
	Unknown		Record Las	st Updated: 1996-01-02	
Quad Summary	: Dozier (3812137/498D)				
County Summary	: Solano				
	38.25839º / -121.80464º		Township		
	Zone-10 N4235160 E604581 80 meters	Manning Pre	cisionSPECIFIC Section		
Elevation			I Type:POINT Meridian:		
Location	: CALHOUN CUT ECOLOGICAL	RESERVE, MARGIN OF BARKERS S	SLOUGH ALONG DIXON-RIO VISTA RD (HWY 1	13), 5.2 MI N OF JCT W/ŀ	HWY 12
Location Detai	I: SOUTH SIDE OF SLOUGH. LE	GENERE FOUND IN WETTER AREA	S NEAR BOTTOM OF DEPRESSION.		
Ecological	: MARGINS OF SLOUGH WITH	DOWNINGIA PUSILLA, CRASSULA A	QUATICA, LASTHENIA GLABERRIMA, & PLAG	IOBOTHRYS UNDULATU	IS.
Threat:	SLOUGH ALTERED BY PIPELI THREATEN.	NE CONSTRUCTION BUT VERNAL F	POOL HABITAT REMAINS. NONNATIVE PHYLL/	A NODIFLORA MAY ALSO	0
General	ABUNDANT IN 1961. SEARCH	ED FOR BUT NOT FOUND 1975, 198	0, 1983. SEEN IN 1991, OVER 100 PLANTS IN 1	1994.	
Owner/Manager	: DFG-CALHOUN CUT ER				
Occurrence No	. 2 Map Index:	09829 <b>EO Ind</b>	ex: 17390	- Dates Last Seen	
Occ Rank:	•	03023	<b>A.</b> 17390	Element: 1892-05-03	
-	Natural/Native occurrence			Site: 1983-05-22	
	Extirpated Unknown		Record Las	st Updated: 2008-01-15	
Quad Summary	: Fairfield South (3812221/482A),	Fairfield North (3812231/499D)			
County Summary					
Lat/Long:	38.25379º / -122.02497º		Township	. 05N	
	Zone-10 N4234424 E585310		Range:		
Radius: Elevation			cisionNON-SPECIFIC Section: I Type:POINT Meridian:		
Location	RAILROAD TRACK ABOUT 1 N	ILE NORTH AND 1 MILE EAST OF S	UISUN STATION.		
	I:TRENCHES ALONG RAILROAI				
Threat:	SITE HAS BEEN DISTURBED F	BY DEVELOPMENT, ORV USE, AND	WASTE DUMPING.		
			Y BRANDEGEE. HOLLAND ATTEMPTED TO R	ELOCATE SITE IN 1983,	BUT NO
	SUITABLE HABITAT COULD B	E FOUND. OCCURRENCE HAS BEE	N EXTIRPATED.		
Owner/Manager	: UNKNOWN				
Occurrence No	. 3 Map Index:	23957 EO Inde	ex: 7224	- Dates Last Seen	
Occ Rank:	None			Element: 1890-05-XX	
-	Natural/Native occurrence			Site: 1983-05-22	
	Extirpated Unknown		Record Las	st Updated: 1993-07-22	
Quad Summarv	: Elmira (3812138/498C)				
County Summary					
Lat/Long:	: 38.35022º/-121.90850º		Township	: 06N	
	Zone-10 N4245237 E595374		Range:	: 01E	
Radius:	1 mile : 70 ft		cisionNON-SPECIFIC Section: Type:POINT Meridian:		
Elevation					
Elevation	LOWER SACRAMENTO VALLE	Y. NEAR ELIVIRA.			
Elevation	: LOWER SACRAMENTO VALLE				
Elevation: Location Ecological	: OBSERVED GROWING IN FIEL				

legenere			ment Code: PDCAM0C010
Stat	us	NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G2	CNPS List: 1B.1
		State: S2.2	
	L POOLS. MANY HISTORICAL OCCU	IRRENCES ARE EXTIRPATED.	
MICRO: IN BED	S OF VERNAL POOLS. 1-880M.		
<b>a</b> N			Dates Last Seen
Occurrence No Occ Rank:	•	EO Index: 17381	Element: 1985-04-14
	Natural/Native occurrence		Site: 1985-04-14
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 1989-08-11
Quad Summary	: Denverton (3812128/481B)		
County Summary	: Solano		
Lat/Long	38.21935º / -121.88051º		Township: 04N
-	Zone-10 N4230745 E597996		Range: 01E
	1/5 mile	Mapping PrecisionNON-SPECIF	-
Elevation	65 ft	Symbol Type:POINT	Meridian: M
Location	SOUTH SIDE OF LAMBIE RD. 0.45	/I EAST OF JCT W/HWY 12, SE OF DENVERTON.	
	UST INSIDE FENCE.		
_		OWNINGIA, PSILOCARPHUS AND NAVARRETIA.	
Owner/Manager	: UNKNOWN		
Occurrence No	. 16 Map Index: 675	07 <b>EO Index</b> : 6796	Dates Last Seen
Occurrence No Occ Rank:	•		Element: 1991-05-05
	Natural/Native occurrence		Site: 1991-05-05
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 2006-12-27
Quad Summarv	: Dozier (3812137/498D)		
County Summary			
	38.26522º / -121.82980º		
-	Zone-10 N4235890 E602370		Township: 05N Range: 01E
	25.0 acres	Mapping PrecisionSPECIFIC	Section: 23 Qtr: E
Elevation	20 ft	Symbol Type:POLYGON	Meridian: M
Location	SOUTH OF OLCOTT LAKE BETWEE	N COOK LANE AND RAILROAD TRACKS, JEPSON	PRAIRIE.
			TY FARMLANDS AND OPEN SPACE ON 8/97. TNC RETAINS
Location Detai	CONSERVATION EASEMENT.	ETREBERVE, TRANSFERRED TO SOLANO COOR	TH TANKEANDO AND OF EN OF ACE ON 0.37. THO RETAIN
Ecological	: VERNAL POOLS AND SURROUNDI	NG GRASSLAND. ASSOCIATED WITH ELEOCHARI	S MACROSTACHYA, LASTHENIA GLABERRIMA, AND OTHE
-	RARE PLANTS: GRATIOLA HETER	DSEPALA & DOWNINGIA PUSILLA.	
Threat:	LIGHT GRAZING.		
_	INCLUDES FIVE POOLS/DITCHES:	CANTEEN DITCH, BUNNY DITCH, HOLLAND POOL	, BIG POOL, AND CORNER POOL AS NAMED BY WOODWA
General			
General	AND BOYD. INCLUDES FORMER O		
	SOLANO LAND TRUST		
Owner/Manager	SOLANO LAND TRUST		
Owner/Manager Occurrence No	SOLANO LAND TRUST	53 <b>EO Index:</b> 6811	Dates Last Seen
Owner/Manager Occurrence No Occ Rank:	: SOLANO LAND TRUST . 17 Map Index: 105 Good	53 <b>EO Index:</b> 6811	Element: 1985-04-06
Owner/Manager Occurrence No Occ Rank: Origin:	: SOLANO LAND TRUST 17 <b>Map Index:</b> 105: Good Natural/Native occurrence	53 EO Index: 6811	
Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: SOLANO LAND TRUST . 17 Map Index: 105 Good	53 EO Index: 6811	Element: 1985-04-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: SOLANO LAND TRUST .17 Map Index: 105: Good Natural/Native occurrence Presumed Extant Unknown	53 <b>EO Index:</b> 6811	Element:         1985-04-06           Site:         1985-04-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: SOLANO LAND TRUST . 17 Map Index: 105 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	53 EO Index: 6811	Element:         1985-04-06           Site:         1985-04-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: SOLANO LAND TRUST 17 Map Index: 105: Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano	53 EO Index: 6811	Element:         1985-04-06           Site:         1985-04-06
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073º / -121.82182º	53 EO Index: 6811	Element: 1985-04-06 Site: 1985-04-06 Record Last Updated: 1993-12-30 Township: 05N
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: SOLANO LAND TRUST . 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073º / -121.82182º Zone-10 N4235400 E603075		Element: 1985-04-06 Site: 1985-04-06 Record Last Updated: 1993-12-30 Township: 05N Range: 01E
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	: SOLANO LAND TRUST 17 Map Index: 105: Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters	Mapping PrecisionSPECIFIC	Element:         1985-04-06           Site:         1985-04-06           Record Last Updated:         1993-12-30           Township:         05N           Range:         01E           Section:         24         Qtr: SW
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters 20 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Element:         1985-04-06           Site:         1985-04-06           Record Last Updated:         1993-12-30           Township:         05N           Range:         01E           Section:         24         Qtr: SW           Meridian:         M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters : 20 ft : APPROX 0.7 AIRMI SOUTH OF OLD	Mapping PrecisionSPECIFIC Symbol Type:POINT OTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRA	Element:         1985-04-06           Site:         1985-04-06           Record Last Updated:         1993-12-30           Township:         05N           Range:         01E           Section:         24         Qtr: SW           Meridian:         M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	: SOLANO LAND TRUST 17 Map Index: 105: Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters : 20 ft : APPROX 0.7 AIRMI SOUTH OF OLC : FORMERLY TNC'S JEPSON PRAIR	Mapping PrecisionSPECIFIC Symbol Type:POINT OTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRA	Element:         1985-04-06           Site:         1985-04-06           Record Last Updated:         1993-12-30           Township:         05N           Range:         01E           Section:         24         Qtr: SW           Meridian:         M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters : 20 ft : APPROX 0.7 AIRMI SOUTH OF OLC : FORMERLY TNC'S JEPSON PRAIR CONS. EASEMENT.	Mapping PrecisionSPECIFIC Symbol Type:POINT OTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRA E PRESERVE; TRANSFERRED TO SOLANO COUN	Element: 1985-04-06 Site: 1985-04-06 Record Last Updated: 1993-12-30 Township: 05N Range: 01E Section: 24 Qtr: SW Meridian: M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary UTM: Radius: Elevation: Location Location Detai	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters : 20 ft : APPROX 0.7 AIRMI SOUTH OF OLC :FORMERLY TNC'S JEPSON PRAIR CONS. EASEMENT. : IN BROAD, SHALLOW VERNAL POU	Mapping PrecisionSPECIFIC Symbol Type:POINT OTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRA	Element: 1985-04-06 Site: 1985-04-06 Record Last Updated: 1993-12-30 Township: 05N Range: 01E Section: 24 Qtr: SW Meridian: M
Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation Location Location Detai Ecological Threat:	: SOLANO LAND TRUST 17 Map Index: 1053 Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26073° / -121.82182° Zone-10 N4235400 E603075 80 meters : 20 ft : APPROX 0.7 AIRMI SOUTH OF OLC : FORMERLY TNC'S JEPSON PRAIR CONS. EASEMENT.	Mapping PrecisionSPECIFIC Symbol Type:POINT OTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRA E PRESERVE; TRANSFERRED TO SOLANO COUN DL. ASSOCIATED WITH ELEOCHARIS MACROSTAN	Element: 1985-04-06 Site: 1985-04-06 Record Last Updated: 1993-12-30 Township: 05N Range: 01E Section: 24 Qtr: SW Meridian: M

legenere			nt Code: PDCAM0C010
Federal: None State: None	15	NDDB Element Ranks     Global: G2     State: S2.2	CNPS List: 1B.1
	ssociations —		
	L POOLS. MANY HISTORICAL OCCURRE S OF VERNAL POOLS. 1-880M.	NCES ARE EXTIRPATED.	
Occurrence No.	. 18 Map Index: 10584	EO Index: 6803	Dates Last Seen
Occ Rank:			Element: 1985-05-22 Site: 1985-05-22
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last Updated: 1993-12-30
Quad Summary: County Summary	: Dozier (3812137/498D) : Solano		
	: 38.27204º / -121.80726º		Township: 05N
UTM:	Zone-10 N4236672 E604333 80 meters	Mapping PrecisionSPECIFIC Symbol Type:POINT	Range: 01E Section: 13 Qtr:SE Meridian: M
Location Detail		I) SOUTH OF BRIDGE OVER BARKER SLOUGH. F ARMLANDS & OPEN SPACE ON 8/97. TNC RETAI	
Threat:	SHEEP GRAZING HAS CAUSED SEVER	E DAMAGE.	
Owner/Manager	: SOLANO LAND TRUST		
Occurrence No.	. 19 Map Index: 10566	EO Index: 6802	Dates Last Seen
Occ Rank:	Good		Element: 1985-05-XX
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 1985-05-XX
	Unknown		Record Last Updated: 1993-12-30
Quad Summary:	: Dozier (3812137/498D)		
County Summary	: Solano		
Lat/Long:	38.27690º / -121.81536º		Township: 05N
	Zone-10 N4237202 E603617 20.9 acres	Mapping PrecisionSPECIFIC	Range: 01E Section: 13 Qtr: SW
Elevation		Symbol Type:POLYGON	Meridian: M
Location	: JEPSON PRAIRIE, 0.5 MI NE OF OLCOT	T LAKE.	
Location Detail	FOUR COLONIES MAPPED AS A SINGLI PRESERVE; TRANSFERRED TO SOLAN	E POLYGON 0.8 KM (0.5 MI) EAST OF COOK LANE O COUNTY FARMLANDS & OPEN SPACE ON 8/97	AT RR TRACKS. FORMERLY TNC'S JEPSON PRAIRIE 7. TNC RETAINS CONS. EASEMENT.
5	: VERNAL POOLS. ASSOCIATED WITH EL		
General:	INCLUDES FOUR POOLS: FENCE POOL 1985.	., EUCALYPTUS POOL, CUT EUCALYPTUS POOL	AND FIELD POOL, AS NAMED BY WOODWARD AND E
	: SOLANO LAND TRUST		
Owner/Manager			
Owner/Manager Occurrence No.	. 23 Map Index: 24750	EO Index: 9221	Dates Last Seen
Occurrence No. Occ Rank:	Good	EO Index: 9221	Element: 1991-04-30
Occurrence No Occ Rank: Origin:	•	EO Index: 9221	
Occurrence No. Occ Rank: Origin: Presence:	Good Natural/Native occurrence	EO Index: 9221	Element: 1991-04-30
Occurrence No. Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)	EO Index: 9221	<b>Element:</b> 1991-04-30 <b>Site:</b> 1991-04-30
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054°	EO Index: 9221	Element: 1991-04-30 Site: 1991-04-30 Record Last Updated: 1993-12-29 Township: 05N
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681		Element: 1991-04-30 Site: 1991-04-30 Record Last Updated: 1993-12-29 Township: 05N Range: 01E
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681 11.4 acres	EO Index: 9221 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: 1991-04-30 Site: 1991-04-30 Record Last Updated: 1993-12-29 Township: 05N
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681 11.4 acres	Mapping PrecisionSPECIFIC	Element:         1991-04-30           Site:         1991-04-30           Record Last Updated:         1993-12-29           Township:         05N           Range:         01E           Section:         22         Qtr: NW
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681 11.4 acres : 30 ft : 4.5 KM (2.5 MI) WSW OF DOZIER.	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element:         1991-04-30           Site:         1991-04-30           Record Last Updated:         1993-12-29           Township:         05N           Range:         01E           Section:         22         Qtr: NW
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681 11.4 acres : 30 ft : 4.5 KM (2.5 MI) WSW OF DOZIER. : TWO COLONIES MAPPED AS ONE POLY WEST OF COOK LANE.	Mapping PrecisionSPECIFIC Symbol Type:POLYGON YGON APPROX. 2.2 KM (1.4 MI) SOUTH OF THE S	Element: 1991-04-30 Site: 1991-04-30 Record Last Updated: 1993-12-29 Township: 05N Range: 01E Section: 22 Qtr: NW Meridian: M
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano : 38.26560° / -121.86054° Zone-10 N4235898 E599681 11.4 acres : 30 ft : 4.5 KM (2.5 MI) WSW OF DOZIER. I: TWO COLONIES MAPPED AS ONE POLY WEST OF COOK LANE. : GROWING IN VERNAL POOLS WITH DO DANTHONIOIDES. : AREA OVERGAZED BY CATTLE, POOLS	Mapping PrecisionSPECIFIC Symbol Type:POLYGON YGON APPROX. 2.2 KM (1.4 MI) SOUTH OF THE S	Element: 1991-04-30 Site: 1991-04-30 Record Last Updated: 1993-12-29 Township: 05N Range: 01E Section: 22 Qtr: NW Meridian: M ACRAMENTO NORTHERN RR TRACKS AND 3.2 KM (2 UROPOGON CALIFORNICUS, AND DESCHAMPSIA

egenere limosa			Element Code: PDCAM0C010	
Federal: None State: None	JS	NDDB Element Ranks     Global: G2     State: \$2.2	Other Lists	
General: VERNA	Sociations	JRRENCES ARE EXTIRPATED.		
Presence:		54 EO Index: 6813	—— Dates Las Element: Site: Record Last Updated:	1991-05-02 1991-05-02
Quad Summary: County Summary	Dozier (3812137/498D) : Solano			
UTM:	38.25765° / -121.84308° Zone-10 N4235035 E601219 80 meters 30 ft	Mapping PrecisionSPECI Symbol Type:POINT	Township: 05N Range: 01E FIC Section: 22 Meridian: M	Qtr: SE
Location Detail Ecological	GROWING IN A POOL IN THE EXTR GROWING IN A VERNAL POOL IN A GENICULATUM, LASTHENIA FREM	DOZIER ALONG THE RAILROAD TRACKS. REME SOUTHEAST CORNER OF SECTION 2 ASSOCIATION WITH ASTRAGALUS TENER T ONTII, DESCHAMPSIA DANTHONIOIDES, AN	ENER, DOWNINGIA PUSILLA, LEPIDIUM LATI	PES, HORDEUM
Owner/Manager	: PVT			
Presence:	•	95 EO Index: 12959	Dates Las     Element:     Site:     Record Last Updated:	1990-04-03 1990-04-03
Quad Summary: County Summary	Dozier (3812137/498D) : Solano			
UTM:	38.25448° / -121.80253° Zone-10 N4234728 E604772 80 meters 10 ft	Mapping PrecisionSPECI Symbol Type:POINT	Township: 05N Range: 02E FIC Section: 30 Meridian: M	Qtr: NW
Location Detail Ecological General:	MAPPED WITHIN THE NW 1/4 OF T VERNAL POOL. ASSOCIATED WITH			THEAST OF DOZIER.
Occurrence No. Occ Rank:	•	70 <b>EO Index:</b> 48970	Dates Las Element:	
Origin: Presence:	Natural/Native occurrence Presumed Extant Unknown			2002-04-15
Quad Summary: County Summary	Dozier (3812137/498D) : Solano			
UTM:	38.26251º / -121.78752º Zone-10 N4235636 E606073 2.2 acres 8 ft	Mapping PrecisionSPECI Symbol Type:POLYC		Qtr: SE
Location Detail	MAPPED WITHIN THE NE 1/4 OF T	HE SE 1/4 OF SECTION 19.	ER SLOUGH, 2.2 AIRMILES SOUTHEAST OF	
C C	AND RUMEX SEEDLINGS. MYOSU SHEEP GRAZING MAY OR MAY NO	RUS MINIMUS ALSO PRESENT.		

Heckard's pepper-grass			Code: PDBRA1M0K1
Federal: None State: None	us ————	NDDB Element Ranks           Global: G4T1           State: S1.2	CNPS List: 1B.2
	/ AND FOOTHILL GRASSLAND, VERNAL F LAND, AND SOMETIMES VERNAL POOL I		
Occurrence No	. 7 Map Index: 28792	EO Index: 30160	Dates Last Seen
Occ Rank:			Element: XXXX-XX-XX Site: XXXX-XX-XX
•	: Natural/Native occurrence : Presumed Extant		Site: ^^^^-^^
Trend:	Unknown		Record Last Updated: 1997-02-04
Quad Summary County Summary	: Liberty Island (3812136/497C), Dozier (38 : Solano	12137/498D)	
Lat/Long:	38.31118º / -121.73559º		Township: 05N
UTM: Area:	Zone-10 N4241098 E610543	Mapping PrecisionNON-SPECIFIC	Range: 02E Section: 03 Qtr: XX
Elevation		Symbol Type:POLYGON	Meridian: M
Location	: HAAS SLOUGH.		
		HAAS SLOUGH WHICH EXTENDS ONTO THE DOZ	IER QUAD. SURVEYS NEEDED.
General			PLANTS ARE "UNDOUBTEDLY" L. LATIPES HECKARI
		E LABELS WHICH STATES, "A REMARKABLE FORM	M WITH LONG ERECT STEMS 11 1/2 INCHES HIGH".
Owner/Manager	UNKNOWN		
Occurrence No	. 9 Map Index: 51705	EO Index: 54737	Dates Last Seen
Occ Rank:			Element: 2002-03-30
-	: Natural/Native occurrence : Presumed Extant		<b>Site:</b> 2002-03-30
	Unknown		Record Last Updated: 2004-03-18
-	: Dozier (3812137/498D)		
County Summary			
	38.26438º / -121.86270º Zone-10 N4235761 E599493		Township: 05N Range: 01E
Area:	7.7 acres	Mapping PrecisionSPECIFIC	Section: 21 Qtr: NE
Elevation	: 35 ft	Symbol Type:POLYGON	Meridian: M
	2.2 MILES WSW OF OLCOTT, WSW OF I		
		E 1/4 OF SECTION 21. (WILCOX RANCH SITES)	
Ecological		NIA FREMONTII, BLENNOSPERMA NANUM, LOLIUN LEPIDIUM OXYCARPUM, FRANKENIA, CRESSA TRU	M MULTIFLORUM, PLEUROPOGON, DESCHAMPSIA UXILLENSIS, ALOPECURUS SACCATUS, COTULA
Threat:	TRAMPLING, DEER HOOFPRINTS.		
	UNKNOWN NUMBER PLANTS OBSERVE		D BY TNC. THE RARE LEPIDIUM LATPIES VAR. LATIPI
	UNKNOWN NUMBER PLANTS OBSERVE AND ASTRAGALUS TENER VAR. TENEF		D BY TNC. THE RARE LEPIDIUM LATPIES VAR. LATIPI
General: Owner/Manager	UNKNOWN NUMBER PLANTS OBSERVE AND ASTRAGALUS TENER VAR. TENER : TNC	ALSO OCCUR AT THIS SITE.	
General	UNKNOWN NUMBER PLANTS OBSERVE AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738		D BY TNC. THE RARE LEPIDIUM LATPIES VAR. LATIPI — Dates Last Seen — Element: 2003-04-XX
General: Owner/Manager Occurrence No Occ Rank: Origin:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738 : Excellent : Natural/Native occurrence	ALSO OCCUR AT THIS SITE.	Dates Last Seen
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant	ALSO OCCUR AT THIS SITE.	Dates Last Seen Element: 2003-04-XX
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER TNC 10 Map Index: 54738 Excellent Natural/Native occurrence Presumed Extant Unknown	ALSO OCCUR AT THIS SITE.	Dates Last Seen Element: 2003-04-XX Site: 2003-04-XX
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738 Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B)	ALSO OCCUR AT THIS SITE.	Dates Last Seen Element: 2003-04-XX Site: 2003-04-XX
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: UNKNOWN NUMBER PLANTS OBSERV AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Yolo	ALSO OCCUR AT THIS SITE.	Dates Last Seen     Element: 2003-04-XX     Site: 2003-04-XX     Record Last Updated: 2004-03-18
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC . 10 Map Index: 54738 Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B)	ALSO OCCUR AT THIS SITE.	Dates Last Seen Element: 2003-04-XX Site: 2003-04-XX
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC : 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45933°/-121.67422° Zone-10 N4257613 E615672 1.4 acres	EO Index: 54738	Dates Last Seen Element: 2003-04-XX Site: 2003-04-XX Record Last Updated: 2004-03-18 Township: 07N Range: 03E Section: 17 Qtr: WW
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC : 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45933° / -121.67422° Zone-10 N4257613 E615672 1.4 acres : 15 ft	EO Index: 54738 EO Index: 54738 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Dates Last Seen     Element: 2003-04-XX     Site: 2003-04-XX     Record Last Updated: 2004-03-18      Township: 07N     Range: 03E     Section: 17 Qtr: VW     Meridian: M
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC : 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45933° / -121.67422° Zone-10 N4257613 E615672 1.4 acres : 15 ft : WEST OF SACRAMENTO NORTHERN R	EO Index: 54738 EO Index: 54738 Mapping PrecisionSPECIFIC Symbol Type:POLYGON AILROAD, AT INTERSECTION OF ROAD 38 AND RC	Dates Last Seen     Element: 2003-04-XX     Site: 2003-04-XX     Record Last Updated: 2004-03-18      Township: 07N     Range: 03E     Section: 17 Qtr: VW     Meridian: M  DAD 105.
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation: Location Detai	: UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER : TNC : 10 Map Index: 54738 : Excellent : Natural/Native occurrence : Presumed Extant Unknown : Saxon (3812146/497B) : Yolo : 38.45933° / -121.67422° Zone-10 N4257613 E615672 1.4 acres : 15 ft : WEST OF SACRAMENTO NORTHERN R I: TWO COLONIES MAPPED AS ONE POL	EO Index: 54738 EO Index: 54738 Mapping PrecisionSPECIFIC Symbol Type:POLYGON AILROAD, AT INTERSECTION OF ROAD 38 AND RC YGON IN THE NORTHWESTERNMOST CORNER OF	Township:         07N           Range:         03E           Section:         17         Qtr: VW           Meridian:         M
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation: Location Detai	UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER TNC 10 Map Index: 54738 Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Yolo 38.45933° / -121.67422° Zone-10 N4257613 E615672 1.4 acres 15 ft WEST OF SACRAMENTO NORTHERN R I:TWO COLONIES MAPPED AS ONE POL' MESIC GRASSLAND DOMINATED BY LA	EO Index: 54738 EO Index: 54738 Mapping PrecisionSPECIFIC Symbol Type:POLYGON AILROAD, AT INTERSECTION OF ROAD 38 AND RC YGON IN THE NORTHWESTERNMOST CORNER OF	
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai Ecological	UNKNOWN NUMBER PLANTS OBSERVI AND ASTRAGALUS TENER VAR. TENER TNC 10 Map Index: 54738 Excellent Natural/Native occurrence Presumed Extant Unknown Saxon (3812146/497B) Yolo 38.45933° / -121.67422° Zone-10 N4257613 E615672 1.4 acres 15 ft WEST OF SACRAMENTO NORTHERN R I:TWO COLONIES MAPPED AS ONE POL' MESIC GRASSLAND DOMINATED BY LA	EO Index: 54738 EO Index: 54738 Mapping PrecisionSPECIFIC Symbol Type:POLYGON AILROAD, AT INTERSECTION OF ROAD 38 AND RC YGON IN THE NORTHWESTERNMOST CORNER OF INTHENIA GLABRATA ANS LOLIUM MULTIFLORUM S OTHERS. OCCASIONALLY OCCURRING WITH VA	

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

Heckard's pepper-gras	s tus ———	NDDB Element Ranks	Element Code: PD	BRA1M0K1 her Lists	
Federal: None		Global: G4T1		CNPS List: 1B.2	
State: None		State: S1.2			
Habitat A	ssociations —				
General: VALLE	Y AND FOOTHILL GRASSLAND	, VERNAL POOLS.			
Micro: GRASS	SLAND, AND SOMETIMES VERI	VAL POOL EDGES. ALKALINE SOILS.	3-30M.		
Occurrence No	o. 11 Map Index	54739 EO Index	: 54739	Dates Las	st Seen
	: Excellent				2003-04-XX
v	: Natural/Native occurrence			Site:	2003-04-XX
	: Presumed Extant : Unknown			Record Last Updated:	2004-03-18
Quad Summary County Summary	<b>/:</b> Saxon (3812146/497B) <b>y:</b> Yolo				
Lat/Long	: 38.43745º/-121.67036º			Township: 07N	
UTM	Zone-10 N4255190 E616043			Range: 03E	
	: 7.8 acres		isionSPECIFIC	Section: 20	Qtr: N
Elevation	n: 15 ft	Symbol 1	Type:POLYGON	Meridian: M	
Location	n: EAST OF SACRAMENTO NO	RTHERN RAILROAD, APPROXIMATELY	1.5 AIRMILES NNE OF VAUGHN	RANCH PUMP HOUSE	
Location Deta	II: SEVEN COLONIES MAPPED	AS SEVEN POLYGONS, LOCATED PRI	MARILY IN THE CENTER OF THE	WESTERN HALF OF S	ECTION 20.
Ecologica		TED BY LASTHENIA GLABRATA ANS I	LOLIUM MULTIFLORUM. ASSOCIA Y OCCURRING WITH VAR. LATIPE		CHRYSANTHEMOIDE
Ecologica	BLENNUSPERINA NANUW AN				
Ũ	: CATTLE GRAZING.				

vernal pool tadpole shri					Element Code: IC			
Endoral: Endora			NDDB Elem Global:			Other Lists CDFG Stat		
Federal: Endang State: None	ereu		State:			CDFG Stat	us.	
	ssociations —							
		AND SWALES	IN THE SACRAMENT	O VALLEY CONTAINING	CLEAR TO HIGHLY T	URBID WATE	R.	
Micro: POOLS	COMMONLY FOU	ND IN GRASS E	BOTTOMED SWALES	OF UNPLOWED GRASSI	ANDS. SOME POOLS	S ARE MUD-BO	OTTOMED	& HIGHLY TURBID.
Occurrence No	. 26	Map Index: 3	2460	EO Index: 1767			Dates La	st Seen
Occ Rank:								1995-04-26
•	Natural/Native occ	urrence					Site:	1995-04-26
	Presumed Extant					Record Last	Updated:	1999-12-16
Quad Summary	: Elmira (3812138/4	98C)						
County Summary	: Solano							
Lat/Long	: 38.36062º/-121.9	6860°				Township:	06N	
UTM:	Zone-10 N424633	1 E590110				Range:	01W	
Radius: Elevation	80 meters 130 ft			Mapping PrecisionSPEC Symbol Type:POINT		Section: Meridian:		Qtr: SW
Location	: VACAVILLE; 1.1 K	M NE OF ELMI	RA ROAD X INTERST	ATE ROUTE 80.				
Location Detai	I: ALLISON DRIVE/I	NTERSTATE 80	INTERCHANGE PRC	JECT.				
Ecological				JAL GRASSES, WEEDS, S	SMALL INTRODUCED	HERBS, AND		ALL REPRESENTATI
-	BY NATIVE SPEC	IES; FEW SEAS	SONAL WETLAND SPI	ECIES AROUND SWALE.				ALL REPRESENTATI
Threat	BY NATIVE SPEC AGRICULTURAL I	IES; FEW SEAS JSES (DISKING	ONAL WETLAND SPI	ECIES AROUND SWALE. 6, DEVELOPMENT, ALLIS	ON DRIVE/I-80 INTER	CHANGE PRO	DJECT.	
Threat: General:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT.	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA	SONAL WETLAND SPI (), GRAVEL DUMPING () DURING SOIL SAMF	ECIES AROUND SWALE.	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRO	DJECT. SHRIMP (	OBSERVED DURING
Threat: General:	BY NATIVE SPEC : AGRICULTURAL I : 1 EGG FOUND AN AQUATIC SAMPLI	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA	SONAL WETLAND SPI (), GRAVEL DUMPING () DURING SOIL SAMF	ECIES AROUND SWALE. 6, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRO	DJECT. SHRIMP (	OBSERVED DURING
Threat: General:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 6, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP (	DBSERVED DURING OYED BY HIGHWAY
Threat General Owner/Manager	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29	IES; FEW SEAS JSES (DISKING ND COLLECTEE ING; UNCERTA LLE	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRO STOKES; NO POOL WILL E	DJECT. SHRIMP ( BE DESTR Dates La Element:	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 33	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRO STOKES; NO POOL WILL E	DJECT. SHRIMP ( BE DESTR Dates La	DBSERVED DURING OYED BY HIGHWAY st Seen
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 33	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP ( BE DESTR Dates La Element: Site:	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ Presumed Extant	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 3: urrence	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP ( BE DESTR Dates La Element: Site:	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4)	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 3: urrence	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP ( BE DESTR Dates La Element: Site:	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Presence: Trend: Quad Summary County Summary	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4)	IES; FEW SEAS JSES (DISKING ND COLLECTED ING; UNCERTA LLE Map Index: 3: urrence 97B)	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated:	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 Yolo	IES; FEW SEAS JSES (DISKING ND COLLECTED ING; UNCERTA .LE Map Index: 3: urrence 97B) 8156°	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES &	CHANGE PRC STOKES; NO POOL WILL E	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: 08N	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	BY NATIVE SPEC AGRICULTURAL ( 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4 r: Yolo 38.49318° / -121.6	IES; FEW SEAS JSES (DISKING ND COLLECTED ING; UNCERTA .LE Map Index: 3: urrence 97B) 8156°	SONAL WETLAND SPI	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION;	CHANGE PRC STOKES; NO POOL WILL E Record Last	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: 08N 03E	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ Presumed Extant Unknown Saxon (3812146/4 YOlo 38.49318°/-121.6 Zone-10 N426136 2/5 mile	IES; FEW SEAS JSES (DISKING ND COLLECTED ING; UNCERTA .LE Map Index: 3: urrence 97B) 8156°	SONAL WETLAND SPI	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS 1/LING, EGG CURRENTLY NTS VIABLE TADPOLE S EO Index: 1994	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION; SPECIFIC	CHANGE PRC STOKES; NO POOL WILL E Record Last Township: Range:	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: 08N 03E 31	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23 2006-03-28
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4 YOlo 38.49318º / -121.6 Zone-10 N426136 2/5 mile 25 ft	IES; FEW SEAS JSES (DISKING ND COLLECTED ING; UNCERTA .LE Map Index: 3: urrence 97B) 8156° 0 E614977	SONAL WETLAND SPI	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS VLING, EGG CURRENTLY NTS VIABLE TADPOLE S EO Index: 1994 Mapping PrecisionNON-1	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION; SPECIFIC	CHANGE PRC STOKES; NO POOL WILL E Record Last Township: Range: Section: Meridian:	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: 08N 03E 31 M	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23 2006-03-28
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4 Yolo 38.49318°/-121.6 Zone-10 N426136 2/5 mile 25 ft USAF DAVIS COM I:5 POOLS SURVEY	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 3: urrence 97B) 8156° 0 E614977 MUNICATIONS YED IN 1995 & I	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN 2514 3 FACILITY; SE OF DA LEPIDURUS FOUND I	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS PLING, EGG CURRENTLY NTS VIABLE TADPOLE S EO Index: 1994 Mapping PrecisionNON Symbol Type:POINT	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION; SPECIFIC T OF TREMONT ROAI ESTIMATED TO BE 20	Record Last Township: Range: Section: Meridian: D X ROAD 104 00 FT LONG, 56	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: 08N 03E 31 M	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23 2006-03-28 2006-03-28 Qtr: SE
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4 Yolo 38.49318°/-121.6 Zone-10 N426136 2/5 mile 25 ft USAF DAVIS COM I:5 POOLS SURVEY POOL #9 ESTIMA	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 3: urrence 97B) 8156° 0 E614977 MUNICATIONS YED IN 1995 & I TED TO BE 300 AND WITH VEF	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN 2514 3 FACILITY; SE OF DA LEPIDURUS FOUND I FT LONG, 75 FT WID RNAL POOLS & BORF	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS VLING, EGG CURRENTLY NTS VIABLE TADPOLE S EO Index: 1994 Mapping PrecisionNON-1 Symbol Type:POINT AVIS; ABOUT 1.5 KM EAS N 3 OF THEM. POOL #3 F	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION; SPECIFIC T OF TREMONT ROAI ESTIMATED TO BE 20 DUND IN 8 POOLS IN TOM. SITE BURNED II	CHANGE PRC STOKES; NO POOL WILL E Record Last Township: Range: Section: Meridian: D X ROAD 104 00 FT LONG, 50 2004. N 2003. WATE	DJECT. SHRIMP (BE DESTR Dates La Element: Site: Updated: Updated: 31 M 0. SI 0. ST FLEAS,	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23 2006-03-28 2006-03-28 Qtr: SE Qtr: SE
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	BY NATIVE SPEC AGRICULTURAL I 1 EGG FOUND AN AQUATIC SAMPLI PROJECT. CITY OF VACAVIL 29 Excellent Natural/Native occ: Presumed Extant Unknown Saxon (3812146/4 Yolo 38.49318°/-121.6 Zone-10 N426136 2/5 mile 25 ft USAF DAVIS COM 1:5 POOLS SURVEY POOL #9 ESTIMA ARNUAL GRASSL BOATMEN, PACIF AGRICULTURE.	IES; FEW SEAS JSES (DISKING ID COLLECTED ING; UNCERTA LLE Map Index: 3: urrence 97B) 8156° 0 E614977 MUNICATIONS YED IN 1995 & I TED TO BE 300 AND WITH VEF IC CHORUS FF	SONAL WETLAND SPI ), GRAVEL DUMPING ) DURING SOIL SAMF IN IF EGG REPRESEN 2514 3 FACILITY; SE OF DA LEPIDURUS FOUND I FT LONG, 75 FT WID RNAL POOLS & BORR ROGS, FLATWORMS (	ECIES AROUND SWALE. 5, DEVELOPMENT, ALLIS VLING, EGG CURRENTLY NTS VIABLE TADPOLE S EO Index: 1994 EO Index: 1994 VIS; ABOUT 1.5 KM EAS N 3 OF THEM. POOL #3 F DE & 36 INCHES DEEP. For ROW PIT WITH MUD BOT	ON DRIVE/I-80 INTER ' IN VIAL AT JONES & HRIMP POPULATION; SPECIFIC T OF TREMONT ROAI ESTIMATED TO BE 20 DUND IN 8 POOLS IN TOM. SITE BURNED II CT LARVA ALSO FOL	CHANGE PRC STOKES; NO POOL WILL E Record Last Township: Range: Section: Meridian: D X ROAD 104 00 FT LONG, 50 2004. N 2003. WATE JND IN 2004. S	DJECT. SHRIMP ( BE DESTR Dates La Element: Site: Updated: Updated: 31 0 31 31 31 31 31 31 31 31 31 31 31 31 31	DBSERVED DURING OYED BY HIGHWAY st Seen 2004-03-23 2004-03-23 2006-03-28 2006-03-28 Cutr: SE Cutr: SE CLAM SHRIMP, WAT DING AREA IS

Owner/Manager: DOD-MCCLELLAN AFB

Stat	mp		NDDB Element Rar		ment Code: ICBRA10010 Other Lists		
Federal: Endang State: None			Global: G3 State: S2S3		CDFG Stat	us:	
Habitat As	ssociations ———						
General: INHABI	TS VERNAL POOLS A	AND SWALES IN	THE SACRAMENTO VALL	EY CONTAINING CLEAR	TO HIGHLY TURBID WATE	R.	
Micro: POOLS	COMMONLY FOUND	D IN GRASS BC	TTOMED SWALES OF UNP	LOWED GRASSLANDS.	SOME POOLS ARE MUD-B	OTTOMED	& HIGHLY TURBID.
						Detect of	
Occurrence No Occ Rank:		lap Index: 341	53 EO	Index: 1959		Dates La	1998-01-31
	Natural/Native occur	rence					1998-01-31
	Presumed Extant				Pecerd Las	Undeted	2005 06 20
Trend:	Unknown				Record Las	updated:	: 2005-06-20
Quad Summary County Summary	: Dozier (3812137/498 : Solano	3D)					
	: 38.26970º / -121.843	3680			Township:	05N	
-	Zone-10 N4236371				Range:		
Area:				PrecisionNON-SPECIFI			Qtr: XX
Elevation	: 25 ft		Syı	nbol Type:POLYGON	Meridian:	М	
Location	: 1.8 MILES SW OF D	OZIER, 2.2 MIL	ES WNW OF HIGHWAY 113	AT CALHOUN CUT, WES	ST OF JEPSON PRAIRIE.		
Location Detai			ERGROUND GAS PIPELINE RESENT IN SOME CORRES		DATA MODIFIED MAPPED A	REA TO II	NCLUDE TO LAKES.
Ecological			D VERNAL POOLS IN CEN D, SHALLOW VERNAL POO		ND; PLAYA POOLS CONTA ITY.	INING WA	TER INTO JUNE, HIG
Threat	POSSIBLE THREAT	S INCLUDE OV	ERGRAZING, CONVERSIO	N TO CROPLAND, DEVE	LOPMENT.		
					US ADULTS/JUVENILES OB	SERVED I	N SAME POOLS (PLI
					SALAMANDER LARVA & HY		
Owner/Manager	: PVT						
Occurrence No	.45 N	lap Index: 325	49 <b>EO</b>	Index: 1701	—	Dates La	st Seen
Occ Rank:							1993-02-07
		rence					
-	Natural/Native occur	Terrioe				Site:	1993-02-07
Presence	<ul> <li>Natural/Native occur</li> <li>Presumed Extant</li> <li>Unknown</li> </ul>	Terroe			Record Las		1993-02-07 : 1997-01-21
Presence: Trend:	Presumed Extant Unknown				Record Las		
Presence: Trend: Quad Summary	Presumed Extant Unknown : Dozier (3812137/498				Record Las		
Presence: Trend: Quad Summary County Summary	Presumed Extant Unknown Dozier (3812137/498 Solano	3D)				Updated:	
Presence: Trend: Quad Summary County Summary Lat/Long	Presumed Extant Unknown : Dozier (3812137/498	3D) 637º			Record Las Township: Range:	t Updated: 05N	
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius:	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/496</li> <li>Solano</li> <li>38.28742° / -121.796 Zone-10 N4238390</li> <li>80 meters</li> </ul>	3D) 637º		PrecisionSPECIFIC	Township: Range: Section:	05N 02E 07	
Presence: Trend: Quad Summary County Summary Lat/Long UTM:	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/496</li> <li>Solano</li> <li>38.28742° / -121.796 Zone-10 N4238390</li> <li>80 meters</li> </ul>	3D) 637º		J PrecisionSPECIFIC mbol Type:POINT	Township: Range:	05N 02E 07	: 1997-01-21
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498</li> <li>Solano</li> <li>38.28742° / -121.796</li> <li>Zone-10 N4238390</li> <li>80 meters</li> <li>13 ft</li> </ul>	3D) 637º E605263		nbol Type:POINT	Township: Range: Section: Meridian:	05N 02E 07	: 1997-01-21
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498</li> <li>Solano</li> <li>38.28742° / -121.796 Zone-10 N4238390</li> <li>80 meters</li> <li>13 ft</li> <li>E OF DOZIER; ON V</li> </ul>	3D) 637° E605263 WEST SIDE OF	Syi	nbol Type:POINT BROWN ROAD X SALEN	Township: Range: Section: Meridian: M ROAD.	05N 02E 07	: 1997-01-21
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498</li> <li>Solano</li> <li>38.28742° / -121.796 Zone-10 N4238390</li> <li>80 meters</li> <li>13 ft</li> <li>E OF DOZIER; ON V</li> </ul>	3D) 637° E605263 WEST SIDE OF ADJACENT TO I	SALEM ROAD, 2.1 KM S OF	nbol Type:POINT BROWN ROAD X SALEN	Township: Range: Section: Meridian: M ROAD.	05N 02E 07	: 1997-01-21
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390 I 80 meters     13 ft     E OF DOZIER; ON W     ROADSIDE DITCH /     20+ INDIVIDUALS C	3D) 637° E605263 WEST SIDE OF ADJACENT TO I	SALEM ROAD, 2.1 KM S OF	nbol Type:POINT BROWN ROAD X SALEN	Township: Range: Section: Meridian: M ROAD.	05N 02E 07	: 1997-01-21
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390 I     80 meters     13 ft     E OF DOZIER; ON W     ROADSIDE DITCH #     20+ INDIVIDUALS C     UNKNOWN	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED.	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD.	05N 02E 07 M	1997-01-21 Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390 I     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH #     20+ INDIVIDUALS C     UNKNOWN     49	3D) 637° E605263 WEST SIDE OF ADJACENT TO I	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	nbol Type:POINT BROWN ROAD X SALEN	Township: Range: Section: Meridian: M ROAD. LGAE.	05N 02E 07 M	1997-01-21 Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.799     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH /     20+ INDIVIDUALS C     UNKNOWN     49     M     Good     Natural/Native occur	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.	05N 02E 07 M	2 1997-01-21 Qtr: SW
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.79( Zone-10 N4238390   80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH / 20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.	05N 02E 07 M Dates La Element: Site:	<b>Qtr:</b> SW <b>st Seen</b> 2003-05-28 2003-05-28
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.799     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH /     20+ INDIVIDUALS C     UNKNOWN     49     M     Good     Natural/Native occur	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.	05N 02E 07 M Dates La Element: Site:	2003-05-28
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.	05N 02E 07 M Dates La Element: Site:	<b>Qtr:</b> SW <b>st Seen</b> 2003-05-28 2003-05-28
Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation Location Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390 I     S0 meters     13 ft     E OF DOZIER; ON W     ROADSIDE DITCH #     20+ INDIVIDUALS C     UNKNOWN     49     A0     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.  Record Las	05N 02E 07 M Dates La Element: Site:	<b>Qtr:</b> SW <b>st Seen</b> 2003-05-28 2003-05-28
Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation Location Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633°	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	NDOI TYPE:POINT BROWN ROAD X SALEN POOL CHOKED WITH AI	Township: Range: Section: Meridian: M ROAD. LGAE.	Dates La Element: Site: Updated:	<b>Qtr:</b> SW <b>st Seen</b> 2003-05-28 2003-05-28
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary UTM: Area:	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633°	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942	Township: Range: Section: Meridian: M ROAD. LGAE. 	Dates La Dates La Element: Site: Updated:	<b>Qtr:</b> SW <b>st Seen</b> 2003-05-28 2003-05-28
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633°	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942	Township: Range: Section: Meridian: M ROAD. LGAE. 	Dates La Dates La Element: Site: Updated:	<b>Qtr:</b> SW <b>Qtr:</b> SW 2003-05-28 2003-05-28 2005-01-10
Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano     Solano	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633° E602666	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942	Township: Range: Section: Meridian: M ROAD. LGAE. 	Dates La Dates La Element: Site: Updated:	<b>Qtr:</b> SW <b>Qtr:</b> SW 2003-05-28 2003-05-28 2005-01-10
Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     38.27069° / -121.826     Zone-10 N4236500     58.5 acres     18 ft     COLCOTT LAKE, SW	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633° E602666 COF DOZIER HERN PORTION	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID 56 EO Mapping Syl	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942 J PrecisionSPECIFIC nbol Type:POLYGON	Township: Range: Section: Meridian: M ROAD. LGAE. Record Las: Township: Range: Section: Meridian: W FENCE, SO ESTIMATES I	Dates La Dates La Element: Site: Updated: 05N 01E 23 M	Image: 1997-01-21         Qtr: SW         St Seen         2003-05-28         2003-05-28         2005-01-10         Qtr: NE         EFLECT POPULATIO
Presence: Trend: Quad Summary County Summary UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390     80 meters     13 ft     E OF DOZIER; ON V     ROADSIDE DITCH //     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     38.27069° / -121.826     Zone-10 N4236500     58.5 acres     18 ft     COLCOTT LAKE, SW	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633° E602666 COF DOZIER HERN PORTION	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID 56 EO Mapping Syl	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942 J PrecisionSPECIFIC nbol Type:POLYGON	Township: Range: Section: Meridian: M ROAD. LGAE.  Record Las: Township: Range: Section: Meridian:	Dates La Dates La Element: Site: Updated: 05N 01E 23 M	Image: 1997-01-21         Qtr: SW         St Seen         2003-05-28         2003-05-28         2005-01-10         Qtr: NE         EFLECT POPULATIO
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	<ul> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498</li> <li>Solano</li> <li>38.28742° / -121.796</li> <li>Zone-10 N4238390</li> <li>80 meters</li> <li>13 ft</li> <li>E OF DOZIER; ON W</li> <li>ROADSIDE DITCH //</li> <li>20+ INDIVIDUALS C</li> <li>UNKNOWN</li> <li>49 <b>N</b></li> <li>Good</li> <li>Natural/Native occur</li> <li>Presumed Extant Unknown</li> <li>Dozier (3812137/498</li> <li>Solano</li> <li>38.27069° / -121.826</li> <li>Zone-10 N4236500</li> <li>58.5 acres</li> <li>18 ft</li> <li>OLCOTT LAKE, SW</li> <li>1997: ONLY NORTH FROM ENTIRE LAK 8/97.</li> </ul>	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633° E602666 COF DOZIER HERN PORTION E. FORMERLY	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID 56 EO Mapping Sy OF LAKE SURVEYED, FRC TNC'S JEPSON PRAIRIE PR	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942 g PrecisionSPECIFIC mbol Type:POLYGON	Township: Range: Section: Meridian: M ROAD. LGAE. Record Las: Record Las: Record Las: Range: Section: Meridian: W FENCE, SO ESTIMATES I ED TO SOLANO COUNTY F/	Dates La 05N 02E 07 M Dates La Element: Site: Updated: Updated: 05N 01E 23 M DO NOT RI ARMLAND:	Image: 1997-01-21         Qtr: SW         Image: Seen
Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	Presumed Extant Unknown     Dozier (3812137/498     Solano     38.28742° / -121.796     Zone-10 N4238390 I     80 meters     13 ft     E OF DOZIER; ON W     ROADSIDE DITCH /     20+ INDIVIDUALS C     UNKNOWN     49     N     Good     Natural/Native occur     Presumed Extant     Unknown     Dozier (3812137/498     Solano     38.27069° / -121.826     Zone-10 N4236500 I     58.5 acres     18 ft     COLCOTT LAKE, SW     I:1997: ONLY NORTH- FROM ENTIRE LAK     8/7.     HABITAT CONSIST:	3D) 637° E605263 WEST SIDE OF ADJACENT TO I DBSERVED. Map Index: 325 rence 3D) 633° E602666 TOF DOZIER IERN PORTION E. FORMERLY S OF A LARGE	SALEM ROAD, 2.1 KM S OF HORSE PASTURE; TURBID 56 EO Mapping Sy OF LAKE SURVEYED, FRC TNC'S JEPSON PRAIRIE PR	nbol Type:POINT BROWN ROAD X SALEM POOL CHOKED WITH AI Index: 17942 g PrecisionSPECIFIC mbol Type:POLYGON DM NORTH EDGE TO E-W ESERVE; TRANSFERRE	Township: Range: Section: Meridian: M ROAD. LGAE. Record Las: Township: Range: Section: Meridian: W FENCE, SO ESTIMATES I ED TO SOLANO COUNTY F/	Dates La 05N 02E 07 M Dates La Element: Site: Updated: Updated: 05N 01E 23 M DO NOT RI ARMLAND:	Image: 1997-01-21         Qtr: SW         Image: Seen

vernal pool tadpole shrimp		Element Code: ICBRA10010
Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3	CDFG Status:
State: None	State: S2S3	
Habitat Associations		

Occurrence No.	97 Map Index:	33690	EO Index: 30600	Dates Last Seen	
Occ Rank:	Unknown			Element:	1999-03-09
Origin:	Natural/Native occurrence			Site:	1999-03-09
	Presumed Extant Unknown			Record Last Updated	: 2000-03-14
Quad Summary:	Denverton (3812128/481B)				
County Summary	: Solano				
Lat/Long:	38.22497º / -121.96640º			Township: 04N	
UTM:	Zone-10 N4231281 E590470			Range: 01W	
Area:	7.8 acres		Mapping PrecisionSPECIFIC	Section: 03	Qtr: XX
Elevation:	10 ft		Symbol Type:POLYGON	Meridian: M	
Location	SOUTHEAST OF THE INTERS BASE.	ECTION OF HIGH	WAY 12 AND SCALLY ROAD, NORTH OF POTI	RERO HILLS AND SOUTH OF	TRAVIS AIR FORCE
Location Detail	SUGNET & ASSOCIATES REF	ORTED TADPOLE	E SHRIMP FROM "SOMEWHERE IN SECTION 3	3" (RECORD #114).	
Ecological	HABITAT CONSISTS OF A LAI	RGE VERNAL POO	DL; SCALLY ROAD INTERSECTS THIS POOL.		
General		NG ON 9 MAR 199	9. B. CONSERVATIO SAID TO HAVE BEEN OB	SERVED BY STEVE FOREMA	N OF RMI, DATE
General.	UNKNOWN.				

vernal pool tadpole shrir Statu		NDDB Element Ranks	Element Code: ICBRA10010 Other Lists		
Federal: Endange State: None		Global: G3 State: S2S3	CDFG Stat	us:	
	S VERNAL POOLS AND SWALES IN THE				
Micro: POOLS	COMMONLY FOUND IN GRASS BOTTOM	IED SWALES OF UNPLOWED GRA	SSLANDS. SOME POOLS ARE MUD-B	<b>JTTOMED</b>	& HIGHLY TURBID
Occurrence No. Occ Rank:	Unknown	<b>EO Index:</b> 3054			t Seen
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Las		
Quad Summary: County Summary	Dozier (3812137/498D) : Solano				
-	38.27890º / -121.83310º Zone-10 N4237404 E602063		Township: Range:		
Radius: Elevation:	3/5 mile 25 ft	Mapping PrecisionNC Symbol Type:PC			Qtr: XX
	SOUTHWEST OF THE INTERSECTION C		JTHWEST OF DOZIER.		
	NATURAL VERNAL POOLS.				
General: Owner/Manager:	LEPIDURUS PACKARDI OBSERVED IN 1 UNKNOWN	THE ONE FEATURE INSPECTED. S	UGNET RECORD #115. NO B. LYNCHI	OBSERVE	Э.
Occurrence No.	99 Map Index: 33699	EO Index: 3054		Dates Las	
Occ Rank: Origin:	Unknown Natural/Native occurrence				1993-02-07 1993-02-07
	Presumed Extant Unknown		Record Las	Updated:	1997-03-11
Quad Summary: County Summary	Dozier (3812137/498D) : Solano				
UTM:	38.29263° / -121.79550° Zone-10 N4238970 E605331 3/5 mile	Mapping PrecisionNC	Township: Range: DN-SPECIFIC Section:	02E	Qtr: XX
Elevation:	10 ft	Symbol Type:PC	DINT Meridian:	М	
	NORTHEAST OF THE INTERSECTION O		ENE OF DOZIER.		
Ecological	MANMADE ROADSIDE DITCH.				
General: Owner/Manager:	LEPIDURUS PACKARDI OBSERVED IN 1 UNKNOWN	THE 1 FEATURE INSPECTED. SUG	NET RECORD #116. NO B. LYNCHI OB	SERVED.	
Occurrence No.	•	EO Index: 3137		Dates Las	st Seen
-	Good Natural/Native occurrence Presumed Extant			Site:	2000-03-16
Trend:	Unknown		Record Las	Updated:	2000-11-09
Quad Summary: County Summary:	Denverton (3812128/481B) Solano				
-	38.22365º / -121.97711º Zone-10 N4231124 E589534		Township: Range:		
Area: Elevation:	5 ft	Mapping PrecisionNC Symbol Type:PC			Qtr: NE
	ALONG POTRERO HILLS LANE, 0.5 MIL				
Location Detail	SITE CONTAINS DRAINAGE DITCHES A THE CAPPED LANDFILL AND ALONG TH		AD. DITCHES ARE CONNECTED TO L	ARGE VERI	NAL POOLS TO TH
_					UITCH VEGETATI
-	WETLAND MITIGATION SITE. HABITAT ( CONSISTS OF SALICORNIA SP AND TYI TADPOLE SHRIMP FOUND IN THE 10'S	PHA SP.			

vernal pool tadpole shri	•			Element	Code: ICBRA10010		
Enderally Friday			<ul> <li>NDDB Element Ranks — Global: G3</li> </ul>		Other Lists -		
Federal: Endang State: None	erea		State: S2S3		CDFG Status	5:	
			State. 3233				
			E SACRAMENTO VALLEY CONT				
			MED SWALES OF UNPLOWED C				& HIGHLY TURBIE
Occurrence No	. 141 <b>Ma</b>	p Index: 41829	EO Index:	41832	c	Dates Las	t Seen
Occ Rank:					El	ement:	1999-03-11
Origin	Natural/Native occurre	nce				Site:	1999-03-11
	Presumed Extant						
Trend:	Unknown				Record Last U	Jpdated:	2007-07-31
Quad Summary	: Dozier (3812137/498D	))					
County Summary	: Solano						
-	38.29405º / -121.8509				Township: (	05N	
	Zone-10 N4239065 E6	600485			Range: (		
	19.7 acres		Mapping Precisio		Section:		Qtr: NW
Elevation	3011		Symbol Type	e:POLIGON	Meridian:	IVI	
Location	: 1.5 MILES WEST OF H	HIGHWAY 113 ANI	0 0.25-0.50 MILE SOUTH OF BUR	RKE ROAD, 2 MILES	WNW OF DOZIER.		
Location Detai	I: SITE IS LOCATED 2 M	AILES SW OF THE	SOLANO COUNTY LANDFILL.				
Thread	BERM AT THE SOUTH TURBID.	H END. A SERIES	VERNAL POOLS, ON PESCADE OF POOLS, SWALES, AND MOU				
General	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F > 1000 INDIVIDUALS (, BRANCHINECTA COM	H END. A SERIES ROM GRAZING (S A MIXTURE OF RE	OF POOLS, SWALES, AND MOU	INDS ARE FOUND DC	DWNSLOPE. PLAYAS AF	RE UNVE	GETATED AND VI
General: Owner/Manager	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH	H END. A SERIES ( FROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI	RE UNVE	GETATED AND VI
General: Owner/Manager Occurrence No	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH . 142 Ma	H END. A SERIES ROM GRAZING (S A MIXTURE OF RE	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). EPRODUCTIVE ADULTS AND IMI	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI	RE UNVE	GETATED AND VI
General Owner/Manager Occurrence No Occ Rank:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH . 142 Ma Excellent	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E INSERVATIO AND E	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI	RE UNVE	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH . 142 Ma	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E INSERVATIO AND E	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI	RE UNVE	GETATED AND VI
General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH . 142 Ma Excellent Natural/Native occurrent	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E INSERVATIO AND E	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI	RE UNVE MENS IN Dates Las ement: Site:	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurred Presumed Extant	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI E EI	RE UNVE MENS IN Dates Las ement: Site:	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI E EI	RE UNVE MENS IN Dates Las ement: Site:	GETATED AND VI FWS COLLECTIC t Seen 1999-03-11 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND F p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA	INDS ARE FOUND DC MATURES) FOUND C RBY.	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI E EI	RE UNVE MENS IN Dates Las lement: Site: Jpdated:	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IMI LAPHRUS VIRIDIS FOUND NEA EO Index: 4	INDS ARE FOUND DC MATURES) FOUND C ARBY. 41833	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI CEI Record Last U Township: ( Range: ()	MENS IN Dates Las ement: Site: Jpdated: 05N 01E	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11 2007-07-31
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5 80 meters	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IMI LAPHRUS VIRIDIS FOUND NEA EO Index: 4	INDS ARE FOUND DO MATURES) FOUND O ARBY. 41833 000SPECIFIC	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI CEI Record Last U Township: ( Range: ( Section: )	MENS IN Dates Las ement: Site: Jpdated: 05N 01E 10	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5 80 meters	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IMI LAPHRUS VIRIDIS FOUND NEA EO Index: 4	INDS ARE FOUND DO MATURES) FOUND O ARBY. 41833 000SPECIFIC	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI CEI Record Last U Township: ( Range: ()	MENS IN Dates Las ement: Site: Jpdated: 05N 01E 10	GETATED AND VI FWS COLLECTIO t Seen 1999-03-11 1999-03-11 2007-07-31
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5 80 meters 30 ft 1.8 MILES WEST OF F	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE VSERVATIO AND F p Index: 41833 nce )) 199 599987 HIGHWAY 113 AND	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA EO Index: 4 Mapping Precisio Symbol Type	INDS ARE FOUND DO MATURES) FOUND O ARBY. 41833 00SPECIFIC e:POINT	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI Control Cont	MENS IN Dates Las ement: Site: Jpdated: 05N 01E 10	GETATED AND VI FWS COLLECTIC t Seen 1999-03-11 1999-03-11 2007-07-31
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F >1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5 80 meters 30 ft : 1.8 MILES WEST OF H I:SITE IS LOCATED 2 M	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE VSERVATIO AND F p Index: 41833 nce )) 199 599987 HIGHWAY 113 ANI MILES SW OF THE	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IMI ELAPHRUS VIRIDIS FOUND NEA EO Index: 4 Mapping Precisio Symbol Type D 0.25 MILE SOUTH OF BURKE F SOLANO COUNTY LANDFILL.	MATURES) FOUND DO MATURES) FOUND C ARBY. 41833 onSPECIFIC e:POINT ROAD, 2 MILES WNW	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI Contemporal Record Last U Record Last U Range: ( Section: Meridian: 1 / OF DOZIER	RE UNVE MENS IN Dates Las lement: Site: Jpdated: 05N 01E 10 M	GETATED AND VI FWS COLLECTIC t Seen
General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	BERM AT THE SOUTH TURBID. POSSIBLE THREAT F > 1000 INDIVIDUALS ( BRANCHINECTA CON PVT-BURKE RANCH 142 Ma Excellent Natural/Native occurrent Presumed Extant Unknown Dozier (3812137/498D Solano 38.29398° / -121.8565 Zone-10 N4239052 E5 80 meters 30 ft 1.8 MILES WEST OF H SITE IS LOCATED 2 M	H END. A SERIES ( ROM GRAZING (S A MIXTURE OF RE NSERVATIO AND E p Index: 41833 nce )) 199 599987 HIGHWAY 113 AND MILES SW OF THE OF A LARGE, BUT	OF POOLS, SWALES, AND MOU HEEP AND CATTLE). PRODUCTIVE ADULTS AND IM ELAPHRUS VIRIDIS FOUND NEA EO Index: 4 Mapping Precisio Symbol Type	MATURES) FOUND DO MATURES) FOUND O RBY. 41833 900SPECIFIC e:POINT ROAD, 2 MILES WNW	DWNSLOPE. PLAYAS AF DN 11 MAR 1999. SPECI Contemporal Record Last U Record Last U Contemporal Range: ( Section: 1 Meridian: 1 / OF DOZIER	MENS IN Dates Las ement: Site: Jpdated: 055N 01E 10 M SOILS; LI	GETATED AND VI FWS COLLECTIO t Seen

Status		NDDB Element Ranks	Element Co	de: ICBRA10010 — Other Lists ———	
Federal: Endangered State: None		Global: G3 State: S2S3		CDFG Status:	
Habitat Associatio	ons				
General: INHABITS VERM	NAL POOLS AND SWALES	S IN THE SACRAMENTO VALLEY CONT	AINING CLEAR TO HIGI	HLY TURBID WATER.	
Micro: POOLS COMM	ONLY FOUND IN GRASS	BOTTOMED SWALES OF UNPLOWED	GRASSLANDS. SOME P	OOLS ARE MUD-BOTTOMED	& HIGHLY TURBID.
Occurrence No. 143	Map Index: 4	1839 EO Index:	41839	Dates La	
Occ Rank: Good Origin: Natural	I/Native occurrence				1999-03-05 1999-03-05
Presence: Presum					
Trend: Unknow	wn			Record Last Updated:	: 2007-07-31
Quad Summary: Dozier					
County Summary: Solano					
Lat/Long: 38.279	959° / -121.84021° 10 N4237473 E601440			Township: 05N Range: 01E	
Area: 15.0 a		Mapping Precisio	onSPECIFIC	Section: 14	Qtr: NW
Elevation: 20 ft		Symbol Typ	e:POLYGON	Meridian: M	
Location: UPPER	R END OF BARKER SLOU	GH, NW OF JEPSON PRAIRIE AND WS	W OF ARGYLLE PARK F	RACETRACK, 11 MILES SOUT	H OF DIXON.
	S LOCATED ALONG A MA ENCE AT THE GRAVEL R	PPED TRIBUTARY TO BARKER SLOUG OAD.	6H. TADPOLE SHRIMP C	DCCUR WITHIN A 600-FT ARE	EA DOWNSTREAM FRO
	AT CONSISTS OF LARGE 0; BRANCHINECTA LYNC	, MUDDY DEPRESSIONS WITHIN THE HI REPORTED IN 1994.	SLOUGH TRIBUTARY C	HANNEL. DOWNINGIA PUSIL	LA FOUND AT THIS SI
		REPRODUCTIVE ADULTS, 50% SMALL CIMEN IN FWS COLLECTION.	ER INDIVIDUALS) OBSE	ERVED OVER A 600 FT LENG	TH OF THE TRIBUTAR
Owner/Manager: PVT-C/	AMPBELL RANCH				
Occurrence No. 154	Map Index: 4	EO Index:	42555		st Seen
Occ Rank: Unknov	wn I/Native occurrence				1992-XX-XX 1992-XX-XX
Presence: Presum				Unc.	1002 /01 /01
	wn			Record Last Updated:	2007-06-27
Trend: Unknow					
Trend: Unknov Quad Summary: Dozier	(3812137/498D)				
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294	199º / -121.81860º			Township: 05N	
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1	199º / -121.81860º 10 N4239206 E603307	Manning Precisio	NDSPECIFIC	Range: 01E	Otr- XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294	199º / -121.81860º 10 N4239206 E603307	Mapping Precisio Symbol Typ			Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft	199º / -121.81860º 10 N4239206 E603307 cres		e:POLYGON	Range: 01E Section: 12 Meridian: M	Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC	199º / -121.81860º 10 N4239206 E603307 cres DNAL LAKE, JUST EAST C	Symbol Typ	e:POLYGON	Range: 01E Section: 12 Meridian: M	Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 au Elevation: 15 ft Location: SEASC Ecological: HABIT/	99° / -121.81860° 10 N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT	Symbol Typ DF HIGHWAY 113 & JEPSON PRAIRIE, (	e:POLYGON	Range: 01E Section: 12 Meridian: M	Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 au Elevation: 15 ft Location: SEASC Ecological: HABIT/	199° / -121.81860° IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19	Symbol Typ F HIGHWAY 113 & JEPSON PRAIRIE, ( FHERN CLAYPAN VERNAL POOL.	e:POLYGON	Range: 01E Section: 12 Meridian: M	Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ac Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSER	199° / -121.81860° IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M	Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNC Occurrence No. 155 Occ Rank: Unknow	199º / -121.81860º IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element:	i <b>st Seen</b> ———— 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNC Occurrence No. 155 Occ Rank: Unknow Origin: Natural	1999 / -121.81860° IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 WN WNAtive occurrence	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element:	st Seen
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNC Occurrence No. 155 Occ Rank: Unknow	1999 / -121.81860° 10 N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn I/Native occurrence ned Extant	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element:	i <b>st Seen</b> 1992-XX-XX 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNO Occurrence No. 155 Occ Rank: Unknow Origin: Natural Presence: Presur Trend: Unknow	199° / -121.81860° IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn I/Native occurrence ned Extant wn	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element: Site:	i <b>st Seen</b> 1992-XX-XX 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSER Owner/Manager: UNKNO Occurrence No. 155 Occ Rank: Unknow Origin: Natural Presence: Presur	1999 / -121.81860° IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn //Native occurrence ned Extant wn (3812137/498D)	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element: Site:	i <b>st Seen</b> 1992-XX-XX 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNO Occurrence No. 155 Occ Rank: Unknow Origin: Natural Presence: Presun Trend: Unknow	199º / -121.81860º IO N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 WN I/Native occurrence ned Extant WN (3812137/498D)	Symbol Typ OF HIGHWAY 113 & JEPSON PRAIRIE, ( IHERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN.	e:POLYGON 0.6 MILE NORTH OF DO:	Range: 01E Section: 12 Meridian: M ZIER. Dates La Element: Site:	i <b>st Seen</b> 1992-XX-XX 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNC Occurrence No. 155 Occ Rank: Unknow Origin: Natural Presence: Presun Trend: Unknow Quad Summary: Dozier County Summary: Solano Lat/Long: 38.263 UTM: Zone-1	1999 / -121.81860° 10 N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn (3812137/498D) 0 144° / -121.83138° 10 N4235690 E602235	Symbol Typ DF HIGHWAY 113 & JEPSON PRAIRIE, ( THERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN. 12556 EO Index:	e:POLYGON 0.6 MILE NORTH OF DO 42556	Range: 01E Section: 12 Meridian: M ZIER. — Dates La Element: Site: Record Last Updated: Township: 05N Range: 01E	st Seen 1992-XX-XX 1992-XX-XX : 2000-03-15
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNC Occurrence No. 155 Occ Rank: Unknov Origin: Natural Presence: Presum Trend: Unknov Quad Summary: Dozier County Summary: Solano Lat/Long: 38.263 UTM: Zone-1 Radius: 2/5 mil	1999 / -121.81860° 10 N4239206 E603307 cres DNAL LAKE, JUST EAST C AT CONSISTS OF A NORT RVED THE SPECIES IN 19 DWN Map Index: 4 wn (3812137/498D) 0 144° / -121.83138° 10 N4235690 E602235	Symbol Typ DF HIGHWAY 113 & JEPSON PRAIRIE, ( THERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN. 12556 EO Index: Mapping Precisio	e:POLYGON 0.6 MILE NORTH OF DO 42556 00NON-SPECIFIC	Range: 01E Section: 12 Meridian: M ZIER.	i <b>st Seen</b> 1992-XX-XX 1992-XX-XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSEF Owner/Manager: UNKNO Occurrence No. 155 Occ Rank: Unknov Origin: Natural Presence: Presur Trend: Unknov Quad Summary: Dozier County Summary: Solano Lat/Long: 38.263 UTM: Zone-1 Radius: 2/5 mil Elevation: 20 ft	199° / -121.81860°         10 N4239206 E603307         cres         DNAL LAKE, JUST EAST C         AT CONSISTS OF A NORT         RVED THE SPECIES IN 19         DWN         Map Index: 4         wn         (3812137/498D)         10         11         12         13         144° / -121.83138°         10         10         10         10         10         10         10         10	Symbol Typ DF HIGHWAY 113 & JEPSON PRAIRIE, ( THERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN. 12556 EO Index: Mapping Precisio Symbol Typ	e:POLYGON 0.6 MILE NORTH OF DO 42556 00NON-SPECIFIC e:POINT	Range: 01E Section: 12 Meridian: M ZIER.	st Seen 1992-XX-XX 1992-XX-XX : 2000-03-15 Qtr: XX
Quad Summary: Dozier County Summary: Solano Lat/Long: 38.294 UTM: Zone-1 Area: 11.0 ar Elevation: 15 ft Location: SEASC Ecological: HABIT/ General: OBSER Owner/Manager: UNKNO Occurrence No. 155 Occ Rank: Unknow Origin: Natural Presence: Presur Trend: Unknow Quad Summary: Dozier County Summary: Solano Lat/Long: 38.263 UTM: Zone-1 Radius: 2/5 mil Elevation: 20 ft	199° / -121.81860°           199° / -121.81860°           10 N4239206 E603307           cres           DNAL LAKE, JUST EAST C           AT CONSISTS OF A NORT           RVED THE SPECIES IN 19           DWN           Map Index: 4           WN           WNative occurrence           ned Extant           WN           (3812137/498D)           10           10           N4235690 E602235           Ie           DNAL WETLANDS, 1 MILE	Symbol Typ DF HIGHWAY 113 & JEPSON PRAIRIE, ( THERN CLAYPAN VERNAL POOL. 192; NO NUMBERS GIVEN. 12556 EO Index: Mapping Precisio	e:POLYGON 0.6 MILE NORTH OF DO 42556 00NON-SPECIFIC e:POINT	Range: 01E Section: 12 Meridian: M ZIER.	st Seen 1992-XX-XX 1992-XX-XX : 2000-03-15 Qtr: XX

	mp		NDDR Floment Banks	Elemer	nt Code: ICBRA10010 Other Lists		
Federal: Endang State: None			<ul> <li>NDDB Element Ranks</li> <li>Global: G3</li> <li>State: S2S3</li> </ul>		CDFG Stat	us:	
	ssociations ———						
			E SACRAMENTO VALLEY CC MED SWALES OF UNPLOWE				& HIGHLY TURBID.
Occurrence No	158 <b>Ma</b>	p Index: 43444	EO Index	• 43444		Dates La	st Seen
Occ Rank						Element:	2002-04-01
•	: Natural/Native occurrent : Presumed Extant	nce				Site:	2002-04-01
	Unknown				Record Las	Updated:	2002-08-01
-	: Elmira (3812138/498C	)					
County Summary							
-	<ul> <li>38.27172º / -121.9860</li> <li>Zone-10 N4236450 E5</li> </ul>				Township: Range:		
	15.2 acres		Mapping Preci	sionSPECIFIC	Section:		Qtr: NW
Elevation	: 45 ft		Symbol T	ype:POLYGON	Meridian:	М	
			INTERSECT OF WALTERS I 2: POOL NUMBERS 27-14 AI				FRAVIS FIELD.
Ecologica			RASSLAND: AT TIME OF SAI				
			), BOTTOM IRREGULAR DUE				
			CATTLE. PARCEL ISOLATED				
General			RE ESTIMATED TO BE PRES / POPULATION NUMBERS. 2				
Owner/Manager						_	
Occurrence No	. 159 <b>Ma</b>	p Index: 43445	EO Index	: 43445		Dates La	st Seen
Occ Rank	Good						2000-07-06
•	: Natural/Native occurre : Presumed Extant	nce				Site:	2000-07-06
	Unknown				Record Las	Updated:	2007-10-16
Quad Summary	: Dozier (3812137/498D	)					
	. Solano						
County Summary	. Obland						
	: 38.25584º / -121.8695	9º			Township:	05N	
Lat/Long UTM:	: 38.25584º / -121.8695 Zone-10 N4234806 E5		Monning Proo		Range:	01E	
Lat/Long UTM:	<ul> <li>38.25584º / -121.8695</li> <li>Zone-10 N4234806 E5</li> <li>58.0 acres</li> </ul>			isionSPECIFIC Type:POLYGON	•	01E 28	Qtr: XX
Lat/Long UTM: Area: Elevation	: 38.25584º / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft	598902	Symbol T	ype:POLYGON	Range: Section:	01E 28	Qtr: XX
Lat/Long UTM: Area: Elevation Location	: 38.25584º / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF \	WEST END OF CA	Symbol T	ype:POLYGON	Range: Section:	01E 28	Qtr: XX
Lat/Long UTM: Area: Elevation Location Location Detai	: 38.25584° / -121.8695 Zone-10 N4234806 E5 : 58.0 acres : 33 ft a: 1.8 MILES WEST OF \ II:5 LARGE PLAYA POC II: LARGE PLAYA-TYPE	WEST END OF CAI NEST END OF CAI DLS 2.5 MILES WSV POOLS: DOMINAN	Symbol T	Type:POLYGON	Range: Section: Meridian:	01E 28 M	
Lat/Long UTM: Area: Elevation Location Location Detai Ecologica	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POO II: LARGE PLAYA-TYPE ELECCHARIS MACRO	WEST END OF CAI DES 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA	Symbol T LHOUN CUT, 3.5 MILES SW ( W OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C	'Ype:POLYGON DF DOZIER. RESSA TRUXILENSIS	Range: Section: Meridian: S, FRANKENIA SALINA, E	01E 28 M	
Lat/Long UTM: Area: Elevation Location Location Detai Ecologica	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POC II: LARGE PLAYA-TYPE ELECCHARIS MACRO : CARAPACES FOUND	WEST END OF CAI DES 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP.	'Ype:POLYGON DF DOZIER. RESSA TRUXILENSIS	Range: Section: Meridian: S, FRANKENIA SALINA, E	01E 28 M	
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POC II: LARGE PLAYA-TYPE ELECCHARIS MACRO : CARAPACES FOUND : PVT	WEST END OF CAI VLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: S, FRANKENIA SALINA, E	01E 28 M	
Lat/Long UTM: Area: Elevation Location Location Detai Ecologica General	: 38.25584° / -121.8695 Zone-10 N4234806 E5 : 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POO II: LARGE PLAYA-TYPE ELECCHARIS MACRO : CARAPACES FOUND : PVT	WEST END OF CAI DES 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, E LY 2000.	01E 28 M DISTCHLIS Dates La: Element:	SPICATA, AND st Seen 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin	38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres 33 ft 1.8 MILES WEST OF N I:5 LARGE PLAYA POC I: LARGE PLAYA-TYPE ELECCHARIS MACRC : CARAPACES FOUND : PVT . 170 Ma : Fair : Natural/Native occurret	WEST END OF CAU DLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, E LY 2000.	01E 28 M DISTCHLIS	SPICATA, AND
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence:	: 38.25584° / -121.8695 Zone-10 N4234806 E5 : 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POO I: LARGE PLAYA-TYPE ELECCHARIS MACRO : CARAPACES FOUND : PVT 0. 170 Ma : Fair	WEST END OF CAU DLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000.	01E 28 M DISTCHLIS Dates La: Element: Site:	SPICATA, AND st Seen 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF N II:5 LARGE PLAYA POO II: LARGE PLAYA-TYPE ELECCHARIS MACRO : CARAPACES FOUND : PVT 0. 170 Ma : Fair : Natural/Native occurren : Presumed Extant : Unknown	598902 WEST END OF CAI DLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000.	01E 28 M DISTCHLIS Dates La: Element: Site:	SPICATA, AND st Seen 2002-04-02 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres 33 ft 1.8 MILES WEST OF N 1:5 LARGE PLAYA POC LARGE PLAYA-TYPE ELECCHARIS MACRC CARAPACES FOUND TO 170 Natural/Native occurrent Presumed Extant Unknown Saxon (3812146/497B)	598902 WEST END OF CAI DLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000.	01E 28 M DISTCHLIS Dates La: Element: Site:	SPICATA, AND st Seen 2002-04-02 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft a: 1.8 MILES WEST OF V II:5 LARGE PLAYA POC II: LARGE PLAYA-TYPE ELECCHARIS MACRC : CARAPACES FOUND : PVT 0. 170 Ma : Fair : Natural/Native occurre : Presumed Extant : Unknown : Saxon (3812146/497B) /: Yolo	WEST END OF CAI WEST END OF CAI DLS 2.5 MILES WSV POOLS: DOMINAN STACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000.  Record Las	01E 28 M DISTCHLIS Dates La: Element: Site: t Updated:	SPICATA, AND st Seen 2002-04-02 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary Lat/Long	38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres 33 ft 1.8 MILES WEST OF N 1:5 LARGE PLAYA POC LARGE PLAYA-TYPE ELECCHARIS MACRC CARAPACES FOUND TO 170 Natural/Native occurrent Presumed Extant Unknown Saxon (3812146/497B)	WEST END OF CAI VLS 2.5 MILES WSV POOLS: DOMINAN SSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI.	'Y <b>ye:</b> POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000.	01E 28 M DISTCHLIS Dates La: Element: Site: t Updated: 07N	SPICATA, AND st Seen 2002-04-02 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area:	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft : 1.8 MILES WEST OF V II:5 LARGE PLAYA POC I: LARGE PLAYA POC I: LARGE PLAYA POC I: LARGE PLAYA POC I: CARAPACES FOUND : PVT - 170 Ma : Fair : Natural/Native occurrei : Presumed Extant : Unknown : Saxon (3812146/497B) : Yolo : 38.44536° / -121.6733 Zone-10 N4256063 E6 : 20.9 acres	WEST END OF CAI VLS 2.5 MILES WSV POOLS: DOMINAN SSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI. EO Index	iype:POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL : 48494	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000. Record Las Township: Range: Section:	01E 28 M DISTCHLIS Dates La: Element: Site: t Updated: 07N 03E 17	SPICATA, AND st Seen 2002-04-02 2002-04-02
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft i: 1.8 MILES WEST OF N i: 5 LARGE PLAYA POC I: LARGE PLAYA-TYPE ELECCHARIS MACRC : CARAPACES FOUND : PVT 0. 170 Ma : Fair : Natural/Native occurren P PVT 0. 170 Ma : Fair : Natural/Native occurren : Presumed Extant : Unknown : Saxon (3812146/497B) : Yolo : 38.44536° / -121.6733 Zone-10 N4256063 E6 : 20.9 acres : 15 ft	WEST END OF CAI WEST END OF CAI VLS 2.5 MILES WSV POOLS: DOMINAN STACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI. EO Index Mapping Preci Symbol T	ype:POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL : 48494 isionSPECIFIC ype:POLYGON	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000. Record Las: Township: Range: Section: Meridian:	01E 28 M DISTCHLIS DISTCHLIS Element: Site: t Updated: 07N 03E 17 M	SPICATA, AND st Seen 2002-04-02 2002-04-02 2002-08-08 Qtr: SW
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft i: 1.8 MILES WEST OF N iI:5 LARGE PLAYA POC I: LARGE PLAYA-TYPE ELECCHARIS MACRC : CARAPACES FOUND : PVT 0. 170 Ma : Fair : Natural/Native occurred : Presumed Extant : Unknown : Saxon (3812146/497B) /: Yolo : 38.44536° / -121.6733 Zone-10 N4256063 E6 : 20.9 acres : 15 ft : 3 MILES NE OF YOLA	598902 WEST END OF CAI VLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce ) 6° 515769 INO; APPROX. 1 TO	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI. EO Index Mapping Preci Symbol T D 1.2 MILES SW ALONG THE	Type:POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL : 48494 isionSPECIFIC ype:POLYGON : SACRAMENTO NORT	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000. Record Las: Township: Range: Section: Meridian:	01E 28 M DISTCHLIS DISTCHLIS Element: Site: t Updated: 07N 03E 17 M	SPICATA, AND st Seen 2002-04-02 2002-04-02 2002-08-08 Qtr: SW
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft i: 1.8 MILES WEST OF N iI:5 LARGE PLAYA POC II: LARGE PLAYA POC II: LARGE PLAYA ATYPE ELECCHARIS MACRC CARAPACES FOUND : CARAPACES FOUND : CARAPACES FOUND : CARAPACES FOUND : PVT 0. 170 Ma : Fair : Natural/Native occurrer : Presumed Extant : Unknown : Saxon (3812146/497B) /: Yolo : 38.44536° / -121.6733 Zone-10 N4256063 E6 : 20.9 acres : 15 ft a: 3 MILES NE OF YOLA II: SITE NUMBERS 52-10	598902 WEST END OF CAI VEST END OF CAI VEST.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE <b>p Index:</b> 48478 nce ) 69 515769 NO; APPROX. 1 TO DD, 52-10F, 52-25, :	Symbol T LHOUN CUT, 3.5 MILES SW ( W OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI. EO Index Mapping Preci Symbol T D 1.2 MILES SW ALONG THE 52-10E, 52-10, 52-10A, 52-101	ype:POLYGON DF DOZIER. RESSA TRUXILENSIS A MUCRONATA, 6 JUL : 48494 isionSPECIFIC ype:POLYGON SACRAMENTO NORT 3 AND 52-10C.	Range: Section: Meridian: 5, FRANKENIA SALINA, D LY 2000. Record Las: Township: Range: Section: Meridian: THERN ELECTRIC RAILI	01E 28 M DISTCHLIS Dates Las Element: Site: t Updated: 07N 03E 17 M ROAD GRA	SPICATA, AND st Seen 2002-04-02 2002-04-02 2002-08-08 Qtr: SW ADE FROM ROAD 38.
Lat/Long UTM: Area: Elevation Location Detai Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	: 38.25584° / -121.8695 Zone-10 N4234806 E5 58.0 acres : 33 ft i: 1.8 MILES WEST OF V i: 5 LARGE PLAYA POC I: LARGE PLAYA-TYPE ELECCHARIS MACRC : CARAPACES FOUND : PVT A 170 Ma : Fair : Natural/Native occurre : Presumed Extant : Unknown : Saxon (3812146/497B) : 38.44536° / -121.6733 Zone-10 N4256063 E6 : 20.9 acres : 15 ft i: 3 MILES NE OF YOLA II: SITE NUMBERS 52-10 II: HABITAT CONSISTS 0	598902 WEST END OF CAI DLS 2.5 MILES WSV POOLS: DOMINAN DSTACHYA. AREA IN POOLS WHILE p Index: 48478 nce ) 69 315769 INO; APPROX. 1 TC )D, 52-10F, 52-25, 3 OF 8 POOLS IN A V	Symbol T LHOUN CUT, 3.5 MILES SW ( N OF OLCOTT LAKE. ITS MALVELLA LEPROSA, C IS GRAZED BY SHEEP. SEARCHING FOR TUCTORI. EO Index Mapping Preci Symbol T D 1.2 MILES SW ALONG THE	ype:POLYGON  F DOZIER.  RESSA TRUXILENSIS  A MUCRONATA, 6 JUL  448494  isionSPECIFIC ype:POLYGON  SACRAMENTO NORT B AND 52-10C.  CATED PRIMARILY A	Range: Section: Meridian: S, FRANKENIA SALINA, D LY 2000. Record Las: Township: Range: Section: Meridian: THERN ELECTRIC RAILI	01E 28 M DISTCHLIS Dates Las Element: Site: t Updated: 07N 03E 17 M ROAD GRA E EDGES 0	SPICATA, AND st Seen 2002-04-02 2002-04-02 2002-08-08 Qtr: SW ADE FROM ROAD 38. DF BERMS. NATURAL

vernal pool tadpole shrimp		Element Code: ICBRA10010
Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3	CDFG Status:
State: None	State: S2S3	
Habitat Associations		
	SWALES IN THE SACRAMENTO VALLEY CONTAINING CL	

Occurrence No. Occ Rank:		48495	EO Index: 48495		Dates Las Element:	st Seen 2003-04-07
Origin:	Natural/Native occurrence				Site:	2003-04-07
	Presumed Extant					00044447
Trend:	Unknown			Record Last	Updated:	2004-11-17
Quad Summary:	Saxon (3812146/497B)					
County Summary:	Yolo					
Lat/Long:	38.45729º / -121.66652º			Township:	07N	
UTM:	Zone-10 N4257396 E616347			Range:	03E	
Area:	66.8 acres	Ма	pping PrecisionSPECIFIC	Section:	17	Qtr: NE
Elevation:	15 ft		Symbol Type:POLYGON	Meridian:	М	
Location:	0.5 MI SW OF SAXON; 100 TO	400' SW ALONG SACRAME	ENTO NORTHERN ELECTRIC RF	R GRADE FROM RD 38, &	IN POOLS	TO WEST OF TRACKS.
Location Detail	SITE NUMBERS 53-01A AND 5	3-07. 1 POOL ON EACH SI	DE OF RAILROAD GRADE, AND	SEVERAL POOLS ON WE	ST SIDE O	OF TRACKS.
0			ORROW PITS) THAT SEASONAI REMELY ABUNDANT. LINDERIEL			
General:			2002 & 2 APR 2002. >50 OBS JA ONED. SURROUNDING AREA US			2003. INDIVIDUALS

Owner/Manager: DFG

ernal pool tadpole shrimp		Element Code: ICBRA10010	
Federal: Endangered	ODDB Element Ranks –     Global: G3	Other Lists CDFG Stat	
State: None	State: S2S3		
Habitat Associations			<b>D</b>
General: INHABITS VERNAL POOLS AND SV Micro: POOLS COMMONLY FOUND IN G		GRASSLANDS. SOME POOLS ARE MUD-BO	
Occurrence No. 182 Map Ind	lex: 54520 EO Index:	54521 —	Dates Last Seen
Occ Rank: Excellent		,	Element: 2003-04-07
Origin: Natural/Native occurrence Presence: Presumed Extant			Site: 2003-04-07
Trend: Unknown		Record Last	Updated: 2004-11-17
Quad Summary: Saxon (3812146/497B)			
County Summary: Yolo			
Lat/Long: 38.43662º / -121.66998º UTM: Zone-10 N4255098 E61607	78	Township: Range:	
Area: 10.3 acres	Mapping Precis	-	
Elevation: 15 ft		pe:POLYGON Meridian:	
Location: ~1.4 MILES NNE OF VAUG	GHN RANCH, GLIDE TULE ELK RESERVE		
Ecological: HABITAT CONSISTS OF A FOUND AT THIS SITE.	PLAYA POOL; SURROUNDING AREA GRAZ	ZED BY CATTLE. LEPIDURUS PACKARDI AN	D CYZICUS CALIFORNIC
General: "LOTS" OF INDIVIDUALS (	DBSERVED ON 7 APR 2003.		
Owner/Manager: DPR-TULE ELK SR			
•	lex: 61653 EO Index:		Dates Last Seen
Occ Rank: Unknown Origin: Natural/Native occurrence			Element: 2002-02-15 Site: 2002-02-15
Presence: Presumed Extant			
Trend: Unknown		Record Last	Updated: 2005-06-20
Quad Summary: Elmira (3812138/498C)			
County Summary: Solano			
Lat/Long: 38.26581º / -121.87815º		Township:	05N
UTM: Zone-10 N4235903 E59813		ionSPECIEIC Socian	
Area: 18.7 acres Elevation: 32 ft	Mapping Precis Symbol Ty	ionSPECIFIC Section: pe:POLYGON Meridian:	
Location: ABOUT 3.6 MILES WSW D	OZIER.		
Location Detail: VERNAL POOLS #3, 10, AI	ND 23. POOL #10 NOT SHOWN ON TOPO M	AP.	
Ecological: VERNAL POOL.			
General: NUMBER OF INDIVIDUALS	NOT RECORDED.		
Owner/Manager: UNKNOWN			
Occurrence No. 224 Map Ind	lex: 61666 EO Index:	61702 —	Dates Last Seen
Occ Rank: Unknown			Element: 2002-03-25
Origin: Natural/Native occurrence			Site: 2002-03-25
Presence: Presumed Extant Trend: Unknown		Record Last	Updated: 2005-06-20
Quad Summary: Dozier (3812137/498D)			
Quad Summary: Dozier (3812137/498D) County Summary: Solano Lat/Long: 38.25778° / -121.86674°		Township:	
Quad Summary:         Dozier (3812137/498D)           County Summary:         Solano           Lat/Long:         38.25778° / -121.86674°           UTM:         Zone-10 N4235024 E59914		Range:	01E
Quad Summary: Dozier (3812137/498D) County Summary: Solano Lat/Long: 38.25778° / -121.86674°	Mapping Precis	Range:	01E 21 <b>Qtr:</b> XX
Quad Summary:         Dozier (3812137/498D)           County Summary:         Solano           Lat/Long:         38.25778°/-121.86674°           UTM:         Zone-10 N4235024 E59914           Area:         35.4 acres	Mapping Precis Symbol Ty	ionSPECIFIC Section:	01E 21 <b>Qtr:</b> XX
Quad Summary:         Dozier (3812137/498D)           County Summary:         Solano           Lat/Long:         38.25778° / -121.86674°           UTM:         Zone-10 N4235024 E59914           Area:         35.4 acres           Elevation:         34 ft	Mapping Precis Symbol Ty WEST OF DOZIER.	ionSPECIFIC Section:	01E 21 <b>Qtr:</b> XX
Quad Summary:         Dozier (3812137/498D)           County Summary:         Solano           Lat/Long:         38.25778° / -121.86674°           UTM:         Zone-10 N4235024 E59914           Area:         35.4 acres           Elevation:         34 ft           Location:         ABOUT 3.5 MILES SOUTH	Mapping Precis Symbol Ty WEST OF DOZIER.	ionSPECIFIC Section:	01E 21 <b>Qtr:</b> XX

ernal pool tadpole shrimp			Element Code: ICBRA10010
Federal: Endanger State: None		<ul> <li>NDDB Element Ranks</li> <li>Global: G3</li> <li>State: S2S3</li> </ul>	CDFG Status:
Habitat Ass	ociations —		
	VERNAL POOLS AND SWALES IN THE		
MICTO: POOLS C	COMMONLY FOUND IN GRASS BOTTOM	MED SWALES OF UNPLOWED GRASSL	ANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TU
Occurrence No. 2 Occ Rank: ।		EO Index: 61703	Dates Last Seen     Element: 2002-02-15
-	Natural/Native occurrence Presumed Extant		<b>Site:</b> 2002-02-15
Trend: U			Record Last Updated: 2005-06-20
Quad Summary:	Dozier (3812137/498D)		
County Summary: S			
Lat/Long: ;	38.26430º / -121.86822º		Township: 05N
	Zone-10 N4235746 E599010		Range: 01E
Area: Elevation:	14.1 acres 34 ft	Mapping PrecisionSPECI Symbol Type:POLY	
		Symbol Type.POLT	
	ABOUT 3.0 MILES WSW DOZIER.		
	/ERNAL POOLS #7, 8, AND 9. POOL #8	DOES NOT SHOW AS A SEPARATE PO	IUL UN TOPO MAP.
_	/ERNAL POOL.		
	NUMBER OF INDIVIDUALS NOT GIVEN.		
Owner/Manager: U	JNKNOWN		
Occurrence No. 2	226 Map Index: 61647	EO Index: 61704	Dates Last Seen
Occ Rank: L			<b>Element:</b> 2002-02-15
-	Natural/Native occurrence		<b>Site:</b> 2002-02-15
۲resence: ۲ Trend: ۱	Presumed Extant Jnknown		Record Last Updated: 2005-06-20
Quad Summary:	Elmira (3812138/498C)		
County Summary: S			
Lat/Long:	38.26016º / -121.89766º		Township: 05N
UTM: 2	Zone-10 N4235255 E596440		Range: 01E
Area: Elevation:	4.8 acres		
	-	Symbol Type:POLY0	SON Meridian: M
	ABOUT 4.6 MILES SOUTHWEST OF DO	ZIER.	
	/ERNAL POOL #11.		
-	/ERNAL POOL.		
	NUMBER OF INDIVIDUALS NOT RECOR	DED.	
Owner/Manager: U	JNKNOWN		
Occurrence No. 2	227 Map Index: 61659	EO Index: 61705	Dates Last Seen
Occ Rank: U	•		Element: 2002-02-15
-	Natural/Native occurrence		<b>Site:</b> 2002-02-15
Presence: F Trend: U	Presumed Extant Jnknown		Record Last Updated: 2005-06-20
	Elmira (3812138/498C)		
County Summary: S	, ,		
	38.25734º / -121.90547º		Township: 05N
-	Zone-10 N4234934 E595761		Range: 01E
Area:	26.8 acres	Mapping PrecisionSPECI	FIC Section: 30 Qtr: XX
Elevation:	45 ft	Symbol Type:POLY	GON Meridian: M
	ABOUT 5.0 MILES SOUTHWEST OF DO	ZIER.	
Location Detail:	/ERNAL POOLS #12 AND 13.		
Ecological: \	/ERNAL POOLS.		
Loologioan			

vernal pool tadpole shrimp		Element Code: ICBRA10010		
Status	NDDB Element Ranks Global: G3 State: S2S3	Other Lists CDFG Sta	tus:	
Habitat Associations     General: INHABITS VERNAL POOLS AND SWALES IN THE S/     Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMEI				& HIGHLY TURBID
Occurrence No. 228 Map Index: 61670 Occ Rank: Unknown	<b>EO Index:</b> 6170	D6 —		2002-02-15
Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown		Record Las		2002-02-15 2005-06-20
Quad Summary: Denverton (3812128/481B), Elmira (3812138, County Summary: Solano	/498C)			
Lat/Long: 38.24780° / -121.88418° UTM: Zone-10 N4233899 E597636 Area: 41.7 acres	Mapping PrecisionSF	Township Range: PECIFIC Section:	01E	Qtr: XX
Elevation: 36 ft	Symbol Type:PC			
Location: ABOUT 4.5 MILES SOUTHWEST OF DOZIE Location Detail: VERNAL POOLS #14, 15, 17, AND 18. POOL Ecological: VERNAL POOL.		TOPO MAP.		
General: POOLS #15 AND 17 HAVE IRREGULAR MA Owner/Manager: UNKNOWN	RGINS. NUMBER OF INDIVIDUA	LS NOT RECORDED.		
Occurrence No. 229 Map Index: 61662 Occ Rank: Unknown Origin: Natural/Native occurrence	<b>EO Index:</b> 617(			st Seen 2002-05-13 2002-05-13
Presence: Presumed Extant Trend: Unknown		Record Las	t Updated:	2006-03-08
Quad Summary: Denverton (3812128/481B) County Summary: Solano				
Lat/Long: 38.24794°/-121.90775° UTM: Zone-10 N4233889 E595573 Radius: 1/10 mile Elevation: 42 ft	Mapping PrecisionNo Symbol Type:PC		01E : 30	Qtr: XX
Location: ABOUT 5.5 MILES SOUTHWEST OF DOZIE Location Detail: VERNAL POOLS #20, 21, 31, & 32. POOLS # POOLS".		RCE MAP, NOTED AS "LARGE NORTH	ERN & SOU	THERN GRAVEL P
Ecological: VERNAL POOLS. General: NUMBER OF INDIVIDUALS NOT RECORDE	D.			
Owner/Manager: UNKNOWN Occurrence No. 230 Map Index: 61672 Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant	<b>EO Index:</b> 617(		<ul> <li>Dates Las Element: Site:</li> </ul>	
Trend: Unknown Quad Summary: Elmira (3812138/498C)		Record Las	t Updated:	2005-06-21
County Summary: Solano				
Lat/Long: 38.26201° / -121.90152° UTM: Zone-10 N4235457 E596100 Radius: 80 meters Elevation: 42 ft	Mapping PrecisionSF Symbol Type:P(		01E : 19	Qtr: XX
Location: ABOUT 5.0 MILES SOUTHWEST OF DOZIE Location Detail: VERNAL POOL #22 (NOT SHOWN ON TOP				
Ecological: VERNAL POOLS.				

vernal pool tadpole shrimp Status	NDDB Element Ranks	Element Code: ICBRA10010 Other Lists
Federal: Endangered State: None	Global: G3 State: S2S3	CDFG Status:
Habitat Associations		
	ALES IN THE SACRAMENTO VALLEY CONTAIN ASS BOTTOMED SWALES OF UNPLOWED GR.	NING CLEAR TO HIGHLY TURBID WATER. ASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURB
		709 — Dates Last Seen — —
Occurrence No. 231 Map Inde Occ Rank: Unknown	x: 61673 EO Index: 617	Element: 2002-02-15
Origin: Natural/Native occurrence		Site: 2002-02-15
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2005-06-21
Quad Summary: Elmira (3812138/498C)		
County Summary: Solano		
Lat/Long: 38.27269º / -121.87934º		Township: 05N
UTM: Zone-10 N4236665 E598026 Area: 22.3 acres	) Mapping PrecisionS	Range: 01E PECIFIC Section: 17 Qtr: XX
Elevation: 34 ft	Symbol Type:P	
Location: ~3.4 MILES WSW OF DOZIE	R.	
Location Detail: LARRY SERPA'S POOL 24		
Ecological: VERNAL POOLS.		
General: NUMBER OF INDIVIDUALS	NOT RECORDED.	
Owner/Manager: UNKNOWN		
Occurrence No. 232 Map Inde	x: 61661 EO Index: 617	710 — Dates Last Seen —
Occ Rank: Unknown		Element: 2002-02-15
Origin: Natural/Native occurrence		<b>Site</b> : 2002-02-15
Presence: Presumed Extant Trend: Unknown		Record Last Updated: 2005-06-21
Quad Summary: Dozier (3812137/498D)		
County Summary: Solano		
Lat/Long: 38.26950º / -121.87073º		Township: 05N
UTM: Zone-10 N4236321 E598784 Radius: 80 meters	Mapping PrecisionS	Range: 01E PECIFIC Section: 21 Qtr: XX
Elevation: 35 ft	Symbol Type:P	
Location: ABOUT 3.1 MILES WEST-Se	DUTHWEST OF DOZIER.	
Location Detail: VERNAL POOL #25.		
Ecological: VERNAL POOLS.		
General: NUMBER OF SPECIMENS	NOT RECORDED.	
Owner/Manager: UNKNOWN		
-	x: 61675 EO Index: 617	
Occ Rank: Unknown Origin: Natural/Native occurrence		Element: 2002-03-25 Site: 2002-03-25
Presence: Presumed Extant		
Trend: Unknown		Record Last Updated: 2005-06-21
Quad Summary: Dozier (3812137/498D)		
County Summary: Solano		
Lat/Long: 38.26080° / -121.85604° UTM: Zone-10 N4235371 E600080		Township: 05N Range: 01E
Area: 6.6 acres	Mapping PrecisionS	
Elevation: 29 ft	Symbol Type:P	
Location: ABOUT 2.6 MILES SOUTHW	/EST OF DOZIER.	
Location Detail: VERNAL POOL #26. NOT ID	ENTIFIED FROM MAP; LOCATION TAKEN FRO	M UTM COORDINATES IN TABLE.
Ecological: VERNAL POOLS.		

vernal pool tadpole shrir					Elen	ment Code: ICBRA10010		
Federal: Endange State: None			GI	B Element Ranks obal: G3 State: S2S3		CDFG Sta	tus:	
Habitat As	ssociations ——							
General: INHABI	<b>FS VERNAL POOL</b>	LS AND SWALE	S IN THE SACRA	MENTO VALLEY CO	ONTAINING CLEAR	TO HIGHLY TURBID WATE	ER.	
Micro: POOLS	COMMONLY FO	UND IN GRASS	BOTTOMED SW	ALES OF UNPLOW	ED GRASSLANDS. S	SOME POOLS ARE MUD-B	OTTOMED	& HIGHLY TURB
Occurrence No.	. 234	Map Index:	61676	EO Inde	<b>x:</b> 61712		Dates La	st Seen
Occ Rank:	Unknown	•						2002-04-02
-	<ul> <li>Natural/Native oc</li> <li>Presumed Extant</li> </ul>						Site:	2002-04-02
	Unknown	l				Record Las	t Updated	2005-06-21
Quad Summary:	: Dozier (3812137/	/498D)						
County Summary		,,						
Lat/Long:	38.26705º / -121	.85667º				Township	05N	
UTM:	Zone-10 N42360	064 E600017				Range:		
	80 meters					Section:		Qtr: XX
Elevation:				Symbol	Type:POINT	Meridian:	M	
	: ABOUT 2.5 MILE							
Location Detail	:VERNAL POOL #	#29. POOL DOE	S NOT SHOW O	N TOPO MAP; LOCA	TION TAKEN FROM	UTM COORDINATES IN	TABLE.	
Ecological	: VERNAL POOLS	S. POOL HAS AN	N IRREGULAR M	ARGIN.				
General:	UNKNOWN NUM	BER OBSERVE	ED.					
Owner/Manager:	: UNKNOWN							
Occurrence No.	. 236	Map Index:	64319	EO Inde	<b>x:</b> 64399		Dates La	st Seen
Occ Rank:							Element:	2004-11-29
-	Natural/Native oc						Site:	2004-12-29
	<ul> <li>Presumed Extant</li> <li>Unknown</li> </ul>	t				Record Las	t Updated	2007-03-15
		(408C)					-	
County Summary	: Elmira (3812138/ : Solano	(4980)						
	: 38.28697º/-121	01/760				Township	05N	
-	Zone-10 N42382					Range:		
	80 meters				isionSPECIFIC	Section:		Qtr: XX
Elevation:	. 60 ft			Symbol	Type:POINT	Meridian:	М	
Location	: TRAVIS AFB, AT	INTERSECTIO	N OF MERIDIAN	ROAD AND RAILRO	AD TRACKS.			
Ecological			RIGHT-OF-WAY,	SHALLOW TURBID	POOL, UNVEGETAT	ED. SURROUNDING ARE	A IS ANNU	AL GRASSLAND/\
	POOL HABITAT.							
	OFF-ROAD VEH							
	FEWER THAN 1		ERVED.					
Owner/Manager:	: DOD-TRAVIS AF	-В						
Occurrence No.	. 237	Map Index:	64349	EO Inde	<b>K:</b> 64428		Dates La	st Seen
Occ Rank:								2004-12-14
-	<ul> <li>Natural/Native oc</li> <li>Presumed Extant</li> </ul>						Site:	2004-12-14
	Unknown	ι				Record Las	t Updated	2006-03-27
Quad Summary:	: Dozier (3812137/	/498D)						
County Summary	: Solano	,						
Lat/Long:	38.28608º / -121	.86029º				Township	05N	
UTM:	Zone-10 N42381					Range:	01E	
Area: Elevation:	64.8 acres				isionSPECIFIC Type:POLYGON	Section: Meridian:		Qtr: XX
				-			101	
	: ALONG RAILRO			MERIDIAN ROAD AN				AD 14 C
	B 8 1 1 5				AND ANNULAL ODAY	SSLAND/VERNAL POOL H	ABITAT IN	ADJACENT LAND
Ecological		S IN RAILROAD	RIGHT-OF-WAY	. DEEP, TURBID PO	OLS. ANNUAL GRA			
Ecological Threat:	: PONDED AREAS : ORV ACTIVITY. : ABOUT 50 ADUL			. DEEP, TURBID PO	OLS. ANNUAL GRA			

					Element (	Code: PDAPI19030		
Federal: None	us —			DB Element Ranks Global: G3		Other Lists     CNPS Li		
State: Rare				State: S3.1		CNF3 L	<b>51.</b> ID.I	
Habitat A	ssociations —							
General: FRESH		ACKISH MARSH	ES, RIPARIAN S	SCRUB.				
Micro: TIDAL	ZONES, IN MUDD	OY OR SILTY SO	IL FORMED THI	ROUGH RIVER DEPOSITION	N OR RIVER BANK	EROSION. 0-10M.		
Occurrence No	. 18	Map Index:	43719	EO Index: 437	/19		Dates Las	st Seen
Occ Rank	: Unknown					I	Element:	2000-09-12
Origin	: Natural/Native o	occurrence					Site:	2000-09-12
	Presumed Extar	nt				Record Last	Undated	2006-00-20
Irend	Unknown					Record Last	opuateu.	2000-09-29
Quad Summary	: Denverton (3812	2128/481B), Fairl	field South (3812	221/482A)				
County Summary	: Solano							
Lat/Long	: 38.19119º/-122	2.04154°				Township:	04N	
UTM:	Zone-10 N4227					Range:		
	1,287.4 acres			Mapping PrecisionS		Section:		Qtr: XX
Elevation	: 5 ft			Symbol Type:P	OLYGON	Meridian:	М	
Location	: SUISUN SLOUG	GH, FROM MOR	ROW ISLAND N	ORTH TO SUISUN CITY, SU	ISUN MARSH.			
Location Deta				NG SUISUN SLOUGH, PEYT R CUT. NEED GIS LAYER O			H ONE CO	LONY MAPPED AI
Ecologica				HIN STRIATA, ATRIPLEX PA DROCOTYLE VERTICILLAT/			TA, SCIRF	PUS SPP, POTENT
C C	SP., CAREX SP	P., JAUMEA CAR	NOSA, AND HY		A VAR. TRIDENTAT	TA.		PUS SPP, POTENT
Threat	SP., CAREX SP : TRAMPLING BY : NUMEROUS CO	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP	NOSA, AND HY RIVERFRONT D ED AS PER DW	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVIO	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPO	TA. TION AT SUISUN CITY DRT (1994) AND DWR	(.	·
Threat	SP., CAREX SP : TRAMPLING BY : NUMEROUS CO	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP	NOSA, AND HY RIVERFRONT D ED AS PER DW	DROCOTYLE VERTICILLAT	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPO	TA. TION AT SUISUN CITY DRT (1994) AND DWR	(.	·
Threat	SP., CAREX SP TRAMPLING BY NUMEROUS CO OF PLANTS SE	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP	NOSA, AND HY RIVERFRONT D ED AS PER DW	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVIO	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPO	TA. TION AT SUISUN CITY DRT (1994) AND DWR	(.	·
Threat General	SP., CAREX SP : TRAMPLING B) : NUMEROUS CO OF PLANTS SE : UNKNOWN	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVIO	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CITY NRT (1994) AND DWR MOLLIS SURVEY.	(.	2). UNKNOWN NUI
Threat General Owner/Manager	SP., CAREX SP : TRAMPLING BY : NUMEROUS CO OF PLANTS SE :: UNKNOWN . 23	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CITY NRT (1994) AND DWR MOLLIS SURVEY.	MAP (1992 Dates Las	2). UNKNOWN NUI
Threat General Owner/Manager Occurrence No Occ Rank Origin	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN 23 : Fair : Natural/Native o	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: DOCCUTENCE	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CITY NRT (1994) AND DWR MOLLIS SURVEY.	MAP (1992 Dates Las Element:	2). UNKNOWN NUP
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: DOCCUTENCE	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CIT IRT (1994) AND DWR MOLLIS SURVEY.	/. MAP (1992 Dates Las Element: Site:	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN 23 : Fair : Natural/Native o	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: DOCCUTENCE	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CITY NRT (1994) AND DWR MOLLIS SURVEY.	/. MAP (1992 Dates Las Element: Site:	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Doccurrence nt	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CIT IRT (1994) AND DWR MOLLIS SURVEY.	/. MAP (1992 Dates Las Element: Site:	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN 2.23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (3812 <sup>4</sup> )	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Doccurrence nt	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CIT IRT (1994) AND DWR MOLLIS SURVEY.	/. MAP (1992 Dates Las Element: Site:	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN 2.23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (3812 <sup>4</sup> )	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EN IN HILL SLO Map Index: Doccurrence nt 126/480B)	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD <sup>I</sup> R ENVIRONMENTAL SERVI OURING 2000 CORDYLANTH	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CIT IRT (1994) AND DWR MOLLIS SURVEY.	/. MAP (1992 Dates Las Element: Site: Updated:	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 /: Sacramento	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Deccurrence nt 126/480B) 1.68637°	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. 1	TA. TION AT SUISUN CIT ORT (1994) AND DWR MOLLIS SURVEY.  Record Last	7. MAP (1992 Dates Las Element: Site: Updated: 03N	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE :: UNKNOWN 2 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 r: Sacramento : 38.13348° / -12: Zone-10 N4221 : 80 meters	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Deccurrence nt 126/480B) 1.68637°	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CIT URT (1994) AND DWR WOLLIS SURVEY. Record Last Township: Range: Section:	7. MAP (1992 Dates Las Element: Site: Updated: 03N 03E 06	2). UNKNOWN NU <b>5t Seen</b> 1990-07-26 1990-07-26
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE :: UNKNOWN 2 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 r: Sacramento : 38.13348° / -12: Zone-10 N4221 : 80 meters	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Deccurrence nt 126/480B) 1.68637°	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY [	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I	TA. TION AT SUISUN CITY URT (1994) AND DWR WOLLIS SURVEY. Record Last Township: Range:	7. MAP (1992 Dates Las Element: Site: Updated: 03N 03E 06	2). UNKNOWN NUT <b>5t Seen</b> 1990-07-26 1990-07-26 2006-10-20
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 : Sacramento : 38.13348° / -12: Zone-10 N4221 : 80 meters : 0 ft	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Deccurrence nt 126/480B) 1.68637° 440 E615125	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY I 66758	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I 33 33 PECIFIC OINT	A. TION AT SUISUN CITY ORT (1994) AND DWR WOLLIS SURVEY. Record Last Township: Range: Section: Meridian:	7. MAP (1992 Dates Las Element: Site: Updated: 03N 03E 06	2). UNKNOWN NUT <b>5t Seen</b> 1990-07-26 1990-07-26 2006-10-20
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM: Radius Elevation Location	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 : Sacramento : 38.13348° / -12: Zone-10 N4221 : 80 meters : 0 ft : ABOUT 2.0 MIS	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Deccurrence nt 126/480B) 1.68637° 440 E615125 S OF RIO VISTA,	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY D 66758	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776 BO Index: 776 Symbol Type:P	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I 33 33 PECIFIC OINT SAS WELLS ALONG	A. TION AT SUISUN CITY ORT (1994) AND DWR WOLLIS SURVEY. Record Last Township: Range: Section: Meridian: B HWY 160.	7. MAP (1992 Dates Las Element: Site: Updated: 03N 03E 06 M	2). UNKNOWN NUI st Seen 1990-07-26 1990-07-26 2006-10-20 Qtr: XX
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN 2 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 : Sacramento : 38.13348° / -12 Zone-10 N4221 : 80 meters : 0 ft : ABOUT 2.0 MI SIL : SAND AND SIL	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: DECURRENCE 126/480B) 1.68637° 440 E615125 S OF RIO VISTA, ITH OF THE RIO	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY D 66758 66758 , EAST SIDE SA VISTA BRIDGE CANT ORGANIC	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVIO DURING 2000 CORDYLANTH EO Index: 776 Mapping PrecisionS Symbol Type:Pr CRAMENTO RIVER NEAR G	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I 33 PECIFIC OINT SAS WELLS ALONG RANNON ISLAND.	TA. TION AT SUISUN CITY ORT (1994) AND DWR MOLLIS SURVEY. Record Last Township: Range: Section: Meridian: B HWY 160. MMEDIATELY SOUTH	AMAP (1992 Dates Lass Element: Site: Updated: 03N 03E 06 M 1 OF PULL	2). UNKNOWN NUP st Seen
Threat General Owner/Manager Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Detal Ecologica	SP., CAREX SP : TRAMPLING B) : NUMEROUS CC OF PLANTS SE : UNKNOWN . 23 : Fair : Natural/Native o : Presumed Extar : Unknown : Rio Vista (38121 : Sacramento : 38.13348° / -12: Zone-10 N4221 : 80 meters : 0 ft : ABOUT 2.0 MI S I: 1.5 MILES SOU I: SAND AND SIL' RUMEX, AND V	P., JAUMEA CAR Y FISHERMEN, F OLONIES MAPP EEN IN HILL SLO Map Index: Decurrence nt 126/480B) 1.68637° 440 E615125 S OF RIO VISTA, ITH OF THE RIO T WITH SIGNIFIC (ZEBENA BONA	NOSA, AND HY RIVERFRONT D ED AS PER DW UGH SURVEY D 66758 66758	DROCOTYLE VERTICILLAT/ EVELOPMENT AND FLOOD R ENVIRONMENTAL SERVI DURING 2000 CORDYLANTH EO Index: 776 BOUNDER: 776 CRAMENTO RIVER NEAR G ON THE WEST SIDE OF BR	A VAR. TRIDENTAT WALL CONSTRUC CES OFFICE REPC IUS MOLLIS SSP. I 33 PECIFIC OINT SAS WELLS ALONG RANNON ISLAND.	TA. TION AT SUISUN CITY ORT (1994) AND DWR MOLLIS SURVEY. Record Last Township: Range: Section: Meridian: B HWY 160. MMEDIATELY SOUTH	AMAP (1992 Dates Lass Element: Site: Updated: 03N 03E 06 M 1 OF PULL	2). UNKNOWN NUP st Seen

Mason's lilaeopsis Stat	us ———	- NDDB Element Ranks	Other Lists
Federal: None State: Rare		Global: G3 State: S3.1	CNPS List: 1B.1
	SSOCIATIONS	RIAN SCRUB.	
Micro: TIDAL 2	ONES, IN MUDDY OR SILTY SOIL FORM	ED THROUGH RIVER DEPOSITION OR RIVER	BANK EROSION. 0-10M.
Occurrence No Occ Rank:	. 25 Map Index: 22576 : Unknown	EO Index: 16464	Dates Last Seen     Element: 1988-XX-XX
•	Natural/Native occurrence Presumed Extant		Site: 1988-XX-XX
	Unknown		Record Last Updated: 1995-12-15
Quad Summary	: Liberty Island (3812136/497C)		
County Summary	: Solano		
-	38.29490º/-121.74154º		Township: 05N
	Zone-10 N4239284 E610047 91.3 acres	Mapping PrecisionSPECIFIC	Range: 02E Section: 10 Qtr: XX
Elevation		Symbol Type:POLYGON	Meridian: M
Location	: CACHE SLOUGH, FROM PUMPING STA	TIONS DOWNSTREAM 1 MILE TOWARDS SE T	ſIP OF PETERS POCKET.
Ecologica	I: IN SPLASH ZONE ALONG THE EAST BA	NK OF BARKER SLOUGH.	
Threat	DISRUPTION OF SPLASH ZONE BY DRE	EDGING POSSIBLE THREAT.	
General	: 15 CLUSTERS OF THE PLANT; BASED O MUCH LARGER POPULATION.	ON NON-FLOWERING SPECIMEN, BUT VERIFI	ED BY LINCOLN CONSTANCE. 1988 SURVEYS REVEAU
Owner/Manager	: PVT		
Occurrence No	. 26 Map Index: 10908	EO Index: 19975	Dates Last Seen
	Unknown		Element: 1995-08-09
-	: Natural/Native occurrence : Presumed Extant		<b>Site:</b> 1995-08-09
	Unknown		Record Last Updated: 1995-11-14
Quad Summary	: Rio Vista (3812126/480B)		
County Summary	: Solano, Sacramento		
	: 38.18241°/-121.65218°		Township: 04N
	Zone-10 N4226912 E618043 : 1/5 mile	Mapping PrecisionNON-SPECIFI	Range: 02E IC Section: 21 Qtr: XX
Elevation		Symbol Type:POINT	Meridian: M
Location	: 0.5 MILE EAST OF CONFLUENCE OF ST	FEAMBOAT SLOUGH WITH SACRAMENTO RIV	'ER ON NORTH BANK OF GRAND ISLAND.
Ecologica	I: IN TIDALLY INUNDATED FRESHWATER RHOMBIFOLIA AND SALIX.	MARSH BORDERING SLOUGH ON SOD FORM	MED BY VERBENA HASTATA. ASSOCIATED WITH ALNU
General	: ABOUT 100 PLANTS SEEN IN 1985. PLA	NTS ALSO SEEN IN THIS AREA IN 1995 (ZEBE	LL AND FIEDLER, 1996).
Owner/Manager	: DOD-COE		
	. 27 Map Index: 10883	EO Index: 9610	Dates Last Seen
Occurrence No			Element: 1995-08-09 Site: 1995-08-09
Occ Rank			Sile. 1990-00-09
Occ Rank: Origin	: Unknown : Natural/Native occurrence : Presumed Extant		
Occ Rank: Origin: Presence:	Natural/Native occurrence		Record Last Updated: 1995-10-25
Occ Rank: Origin Presence Trend:	: Natural/Native occurrence : Presumed Extant		Record Last Updated: 1995-10-25
Occ Rank: Origin Presence Trend:	: Natural/Native occurrence : Presumed Extant : Unknown : Rio Vista (3812126/480B)		Record Last Updated: 1995-10-25
Occ Rank. Origin Presence: Trend: Quad Summary County Summary Lat/Long	: Natural/Native occurrence : Presumed Extant : Unknown : Rio Vista (3812126/480B) r: Solano : 38.23361º / -121.66967°		Township: 05N
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	: Natural/Native occurrence : Presumed Extant : Unknown : Rio Vista (3812126/480B) : Solano	Mapping PrecisionSPECIFIC	Township: 05N Range: 03E
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	: Natural/Native occurrence : Presumed Extant : Unknown : Rio Vista (3812126/480B) r: Solano : 38.23361° / -121.66967° Zone-10 N4232571 E616430 95.4 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Township: 05N Range: 03E
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Solano     38.23361° / -121.66967°     Zone-10 N4232571 E616430     95.4 acres     5 ft		Township: 05N Range: 03E Section: 32 Qtr: XX Meridian: M
Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	Natural/Native occurrence     Presumed Extant     Unknown     Rio Vista (3812126/480B)     Solano     38.23361° / -121.66967°     Zone-10 N4232571 E616430     95.4 acres     5 ft     CONFLUENCE OF MINER SLOUGH ANE     SOUTH-FACING BANKS OF TULE ISLAN	Symbol Type:POLYGON O CACHE SLOUGH, SOUTH OF LIBERTY ISLAN	Township: 05N Range: 03E Section: 32 Qtr: XX Meridian: M

Mason's lilaeopsis  Stati	us	NDDB Element Ranks	Element Code: F	Other Lists		
Federal: None State: Rare		Global: G3 State: S3.1		CNPS L	<b>ist:</b> 1B.1	
General: ERESU	ssociations ————————————————————————————————————					
	ZONES, IN MUDDY OR SILTY SOIL FORME		I OR RIVER BANK EROSI	ON. 0-10M.		
Occurrence No.		EO Index: 143	47		Dates Las	
Occ Rank: Origin:	Unknown Natural/Native occurrence					1990-08-08 1990-08-08
Presence:	Presumed Extant					
Trend:	Unknown			Record Last	Updated:	2006-10-17
-	: Rio Vista (3812126/480B)					
County Summary						
	38.13975° / -121.68650° Zone-10 N4222136 E615104			Township: Range:		
	80 meters	Mapping PrecisionS	PECIFIC	Section:		Qtr: XX
Elevation:	: 10 ft	Symbol Type:P	JINT	Meridian:	М	
Location	: ALONG HWY 160 APPROXIMATELY 1 MI	S OF THE RIO VISTA BRIDGE. W	EST EDGE OF BRANNAN	ISLAND ALON	IG THE SA	CRAMENTO RIVE
Location Detail	I: JUST SOUTH OF THE R.V. PARK. SEVE	RAL DENSE POPULATIONS ALON	G THE BEACH BETWEET	N OLD PILINGS	AND THE	LEVEE.
Ecological	: ON SAND AND CLAY WITH HIGH ORGAN	NIC MATTER CONTENT.				
Threat:	RECREATIONAL USE OF AREA AND RIP	RAPPING ARE THREATS.				
Owner/Manager:	: PVT					
Occurrence No.	. 40 Map Index: 10848	EO Index: 199	67		Dates Las	st Seen
Occ Rank:	•				Element:	1988-05-01
-	Natural/Native occurrence				Site:	1988-05-01
	Presumed Extant Unknown			Record Last	Updated:	1989-08-11
Quad Summary:	: Rio Vista (3812126/480B)					
County Summary						
Lat/Long:	38.24462º / -121.69219º			Township:	05N	
	Zone-10 N4233765 E614441	Menning President		Range:		
Elevation:	1/5 mile 15 ft	Mapping PrecisionN Symbol Type:P		Section: Meridian:		Qtr: XX
Location	: ON 2 ISLANDS S OF LITTLE HASTINGS	TRACT, LINDSEY SLOUGH.				
Ecological	: ON CLAY BANKS SUBJECT TO TIDALLY	-MEDIATED FRESHWATER INUN	DATION.			
Threat:	PUMPING FOR NORTH BAY AQUEDUCT	WILL INCREASE CHANNEL ERO	SION.			
Owner/Manager:	: UNKNOWN					
Occurrence No.	. 65 Map Index: 26651	EO Index: 138	80		Dates Las	st Seen
Occ Rank:				I		1992-XX-XX
-	: Natural/Native occurrence : Presumed Extant				Site:	1992-XX-XX
	Unknown			Record Last	Updated:	2007-12-03
Quad Summary:	: Denverton (3812128/481B)					
County Summary	: Solano					
-	38.13778º / -121.91140º			Township:		
	Zone-10 N4221662 E595397	Morning Prosi-10		Range:		Of
Area: Elevation:	39.0 acres : 5 ft	Mapping PrecisionS Symbol Type:P		Section: Meridian:		Qtr: NW
Location	: MONTEZUMA SLOUGH, NEAR MEINS LA	NDING, SUISUN MARSH.				
	I: MAPPED BY CNDDB AS 4 COLONIES AL		CCORDING TO A 1992 M	AP IN A 1994 [	WR REPO	RT.
	RIP-RAP; PHRAGMITES INVADING.					
Threat:						

Mason's lilaeopsis State	us	NDDB Element Ranks	Element Code: PDAPI19030 Other Lists		
Federal: None State: Rare		Global: G3 State: S3.1	CNPS L	.ist: 1B.1	
General: FRESH	SSOCIATIONS		R RIVER BANK EROSION. 0-10M.		
Occurrence No.	. 69 Map Index: 21627	EO Index: 14257		Dates La	st Seen
•	Good Natural/Native occurrence Presumed Extant				1995-07-26 1995-07-26
	Unknown		Record Las	t Updated:	1997-02-14
Quad Summary County Summary	: Rio Vista (3812126/480B) : Sacramento				
-	38.16117º / -121.67378º Zone-10 N4224528 E616185		Township: Range:		
Area: Elevation:		Mapping PrecisionNON Symbol Type:POL	N-SPECIFIC Section:	29	Qtr: XX
	BRANNAN ISLAND, 0.5 MILE NORTH OF F				
	: GROWING AT THE INUNDATION LINE IN ASSOCIATES INCLUDE SCIRPUS CALIFO	SUBSTRATE OF SEDIMENTS AND	FINES WHICH HAVE BEEN DEPOSIT		
	LEVEE BANK STABILIZATION POSES TH				
General:	MAIN SOURCE OF INFORMATION FOR T ET AL. 1996). MANAGED BY THE BRANNO		( MCKEE. PLANTS ALSO REPORTED	IN THIS V	ICINITY IN 1995 (Z
Owner/Manager	PVT, BRANNON-ANDRUS LEVEE DIST				
Occurrence No.	. 70 Map Index: 22542	EO Index: 22268		Dates La	
Occ Rank: Origin:	Excellent Natural/Native occurrence				1997-05-24 1997-05-24
	Presumed Extant Unknown		Record Las	t Updated:	1997-12-10
Quad Summary: County Summary	: Liberty Island (3812136/497C), Dozier (3812 : Solano	2137/498D)			
-	38.26596° / -121.78428°		Township:		
Area:	Zone-10 N4236023 E606352 93.5 acres	Mapping PrecisionSPE		19	Qtr: XX
Elevation		Symbol Type:POL			
	BARKER SLOUGH, CALHOUN CUT, AND ALONG MUDDY BANKS AND INTERTIDAL	MUDFLATS GROWING WITH LIMC	OSELLA SUBULATA, SCIRPUS SP., JU		
Threat:	VERTICILLATA VAR. TRIRADIATA, LATHY ROCK REVETMENT (RIP-RAP) PROJECT				
	110,000+ PLANTS OBSERVED BY WITHA	M AND KAREOFELAS IN 1994. DFG	CALHOUN CUT ECOLOGICAL RESE		
Owner/Manager	CALHOUN CUT AND PORTION OF BARKE DFG-CALHOUN CUT ER, UNKNOWN	ER SLOUGH. FEW PLANTS REMAIN	TIN AREA WHERE THE TRANSPLAN	I OCCURR	ED.
Occurrence No.	. 72 Map Index: 22575	EO Index: 16465		Dates La	
Occ Rank: Origin:	Good Natural/Native occurrence			Element: Site:	2005-08-24 2005-08-24
Presence:	Presumed Extant Unknown		Record Las	t Updated:	2005-11-30
Quad Summary: County Summary	: Liberty Island (3812136/497C) : Solano				
-	38.31249º / -121.73734º Zone-10 N4241241 E610387		Township: Range:		
	56.5 acres	Mapping PrecisionSPE Symbol Type:POL	CIFIC Section:	03	Qtr: NE
Elevation:		Symbol Type:POL		IVI	
Location					
	: ALONG HASS SLOUGH, FROM DUCK SLO I: ALSO INTO THE SOUTH 1/2 OF PROJECT				

lason's lilaeopsis Stat	us	NDDB Element Ranks	Element Code: PDAPI19030 Other Lists	
Federal: None State: Rare		Global: G3 State: S3.1		. <b>ist:</b> 1B.1
	ssociations			
	IWATER AND BRACKISH MARSHE ZONES, IN MUDDY OR SILTY SOI	ES, RIPARIAN SCRUB. L FORMED THROUGH RIVER DEPOSITIO	ON OR RIVER BANK EROSION. 0-10M.	
Occurrence No	0. 73 Map Index: 2	22577 EO Index: 10	6579	Dates Last Seen
Occ Rank:				Element: 2005-08-24
-	: Natural/Native occurrence : Presumed Extant			Site: 2005-08-24
	: Unknown		Record Las	t Updated: 2005-11-30
	: Liberty Island (3812136/497C)			
County Summary	r: Solano			
-	: 38.29046º / -121.72392º Zone-10 N4238813 E611594		Township: Range:	
	: 10.1 acres	Mapping Precision	-	
Elevation	: 10 ft	Symbol Type		Μ
Location	AT THE SOUTHEAST TIP OF PE	ETERS POCKET, AT CONFLUENCE OF C	ACHE SLOUGH AND HASS SLOUGH.	
Location Detai	II:2 CNDDB POLYGONS: (1) ON T THE EASTERN EDGE OF CACH		KET, (2) THE ERODING BASE OF THE OU	JTBOARD SIDE OF A LEVEE
Ecological	I: LEVEE EDGE, FOUND WITH SA	LIX LUCIDA, MENTHA ARVENSIS, AND A	LNUS RHOMBIFOLIA.	
Threat	: A LOT OF TRASH ON SITE (A T	ELEVISION, LARGE STYROFOAM PIECE	S).	
General	: 1988 MAP DETAIL IS ONLY SOL	JRCE OF INFORMATION FOR COLONY (	1). 1 PATCH SEEN AT COLONY (2) IN 200	5.
Owner/Manager	: PVT			
Occurrence No	o. 141 Map Index: 2	26543 EO Index: 10	6101 —	Dates Last Seen
	: Unknown			Element: 1992-05-XX Site: 1992-05-XX
-	: Natural/Native occurrence : Presumed Extant			
Trend:	: Unknown		Record Las	t Updated: 2000-09-01
Quad Summary County Summary	r: Fairfield South (3812221/482A) /: Solano			
	: 38.13662º/-122.03718º		Township:	03N
Lat/Long			Bongo	02W
UTM:	Zone-10 N4221411 E584377	<b>.</b> . <b>.</b>	-	
UTM:	Zone-10 N4221411 E584377 : 72.9 acres	Mapping Precision Symbol Type	SPECIFIC Section:	1 <b>Qtr:</b> XX
UTM: Area: Elevation	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft	Symbol Type	SPECIFIC Section: POLYGON Meridian:	1 Qtr: XX X
UTM: Area: Elevation Location	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft :: SOUTH SHORE OF GRIZZLY IS	Symbol Type	SPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE	1 <b>Qtr:</b> XX X
UTM: Area: Elevation Location General:	Zone-10 N4221411 E584377 72.9 acres 5 ft SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE	Symbol Type	SPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE	1 Qtr: XX X
UTM: Area: Elevation Location	Zone-10 N4221411 E584377 72.9 acres 5 ft SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE	Symbol Type	ASPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE INCE.	1 Qtr: XX X ES, SUISUN MARSH.
UTM: Area: Elevation Location General: Owner/Manager Occurrence No	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE :: UNKNOWN . 148 Map Index:	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX Z ES, SUISUN MARSH. Dates Last Seen
UTM: Area: Elevation Location General: Owner/Manager Occurrence No Occ Rank:	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE :: UNKNOWN 0. 148 Map Index: 4 : Unknown	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX X ES, SUISUN MARSH.
UTM: Area: Elevation Location General Owner/Manager Occurrence No Occ Rank: Origin:	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE :: UNKNOWN . 148 Map Index:	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16 Site: 1992-06-16
UTM: Area: Elevation Location General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE :: UNKNOWN . 148 Map Index: 4 : Unknown : Natural/Native occurrence	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16
UTM: Area: Elevation Cocation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	Zone-10 N4221411 E584377 72.9 acres 5 ft SOUTH SHORE OF GRIZZLY IS MAP DETAIL IS ONLY SOURCE WINKNOWN 148 Map Index: 4 Unknown Natural/Native occurrence Presumed Extant	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16 Site: 1992-06-16
UTM: Area: Elevation Cocation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	Zone-10 N4221411 E584377 72.9 acres 5 ft SOUTH SHORE OF GRIZZLY IS MAP DETAIL IS ONLY SOURCE WAP DETAIL IS ONLY SOURCE UNKNOWN 148 Map Index: 4 UNKnown Natural/Native occurrence Presumed Extant Unknown Freinfield South (3812221/482A)	Symbol Type	INSPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 —	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16 Site: 1992-06-16
UTM: Area: Elevation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE r: UNKNOWN 2. 148 Map Index: 4 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Fairfield South (3812221/482A) <i>r</i> : Solano : 38.19300° / -122.10269°	Symbol Type	ISPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILL INCE. 3687 Record Las Township:	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16 Site: 1992-06-16 t Updated: 2000-09-01 04N
UTM: Area: Elevation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE : UNKNOWN . 148 Map Index: 4 : UNKnown : Natural/Native occurrence : Presumed Extant : Unknown : Fairfield South (3812221/482A) : Solano : 38.19300° / -122.10269° Zone-10 N4227609 E578575	Symbol Type LAND ALONG GRIZZLY BAY, FROM MON OF INFORMATION FOR THIS OCCURRE 43687 EO Index: 43	ISPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE INCE. 3687 Record Las Township: Range:	1 Qtr: XX X ES, SUISUN MARSH. Dates Last Seen Element: 1992-06-16 Site: 1992-06-16 t Updated: 2000-09-01
UTM: Area: Elevation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE : UNKNOWN • 148 Map Index: 4 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Satural/Native occurrence : Presumed Extant : Unknown : Fairfield South (3812221/482A) /: Solano : 38.19300° / -122.10269° Zone-10 N4227609 E578575 : 3.2 acres	Symbol Type	SPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE NCE. Record Las Township: Range: SPECIFIC Section:	1         Qtr: XX           X         ES, SUISUN MARSH.           Dates Last Seen
UTM: Area: Elevation General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE :: UNKNOWN 2. 148 Map Index: 4 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown :: Solano : Sal.19300° / -122.10269° Zone-10 N4227609 E578575 : 3.2 acres : 5 ft	Symbol Type LAND ALONG GRIZZLY BAY, FROM MON OF INFORMATION FOR THIS OCCURRE 43687 EO Index: 43	ISPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE INCE. 3687 Record Las Record Las SPECIFIC Section: POLYGON Meridian:	1         Qtr: XX           X         ES, SUISUN MARSH.           Dates Last Seen
UTM: Area: Elevation General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	Zone-10 N4221411 E584377 : 72.9 acres : 5 ft : SOUTH SHORE OF GRIZZLY IS : MAP DETAIL IS ONLY SOURCE : UNKNOWN 0. 148 Map Index: 4 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown : Solano : Solano : 38.19300° / -122.10269° Zone-10 N4227609 E578575 : 3.2 acres : 5 ft : SUISUN CREEK, ALONG MOUT	Symbol Type LAND ALONG GRIZZLY BAY, FROM MON OF INFORMATION FOR THIS OCCURRE 43687 EO Index: 43 Mapping Precision Symbol Type	ISPECIFIC Section: POLYGON Meridian: ITEZUMA SLOUGH EAST ABOUT 2.7 MILE INCE. 3687 Record Las Record Las SPECIFIC Section: POLYGON Meridian:	1         Qtr: XX           X         ES, SUISUN MARSH.           Dates Last Seen

lason's lilaeopsis Stati		<ul> <li>NDDB Element Ranks</li> </ul>	Element Code: PDAPI19030 Other Lists		
Federal: None State: Rare	13	Global: G3 State: S3.1	CNPS Li	<b>st:</b> 1B.1	
Habitat As	ssociations —				
	WATER AND BRACKISH MARSHES, RIPA				
Micro: TIDAL Z	ZONES, IN MUDDY OR SILTY SOIL FORM	IED THROUGH RIVER DEPOSITION C	R RIVER BANK EROSION. 0-10M.		
Occurrence No.	. 153 Map Index: 43721	EO Index: 43721		Dates Las	
Occ Rank:			E	lement: Site:	1999-XX-XX 1999-XX-XX
-	: Natural/Native occurrence : Presumed Extant			Sile.	1999-77-77
Trend:	Unknown		Record Last	Updated:	2000-09-07
Quad Summary:	: Denverton (3812128/481B)				
County Summary	: Solano				
	: 38.20523º / -121.91194º		Township:	04N	
	Zone-10 N4229145 E595263 226.3 acres	Mapping PrecisionSPE	CIFIC Section:		Qtr: XX
Elevation:		Symbol Type:POL			QU. ^^
Location	: NORTH OF BRADMOOR ISLAND ALON	G NURSE SLOUGH. DENVERTON SLO	DUGH, AND LUCO SLOUGH: SUISUN I	MARSH	
	I:NUMEROUS COLONIES MAPPED ALON	,			
	: MAIN SOURCE OF INFORMATION FOR		R (1992, 1994) AND STATE I ANDS CC	MMISSIO	N (1999).
Owner/Manager:			, ,, , <u>-</u> <b></b>		/-
Oppurmentes No	154 Man Indaw 40700	<b>FO</b> Indexe: (0700		Dates Las	t Seen
Occurrence No. Occ Rank:	•	EO Index: 43722			1992-05-19
	Natural/Native occurrence			Site:	1992-05-19
	Presumed Extant		Description		0000 00 07
Trend:	Unknown		Record Last	Updated:	2000-09-07
	: Denverton (3812128/481B), Fairfield Sout	th (3812221/482A)			
County Summary					
	: 38.16702º / -122.00050º Zone-10 N4224818 E587554		Township: Range:		
	6.0 acres	Mapping PrecisionSPE	-		Qtr: NW
Elevation:	: 10 ft	Symbol Type:POL	YGON Meridian:	М	
Location	: GRIZZLY ISLAND, ALONG TREE SLOUG	GH ABOUT 1.1 MILE SOUTH OF MONT	EZUMA SLOUGH, SUISUN MARSH.		
Location Detail	I:MAPPED BY CNDDB ACCORDING TO D	OWR MAP.			
General:	ONLY SOURCE OF INFORMATION IS M	IAP DETAIL FROM DWR.			
Owner/Manager:	: UNKNOWN				
Occurrence No.	. 155 Map Index: 43723	EO Index: 43723		Dates Las	st Seen
Occ Rank:	· · ·				1999-XX-XX
Origin:	Natural/Native occurrence			Site:	1999-XX-XX
	Presumed Extant		Record Last	Updated:	2006-08-28
		th (2812221/482A)			
County Summary	: Denverton (3812128/481B), Fairfield Sout	11 (00 1222 1/402A)			
	: 38.18602º / -121.96812º		Township:	04N	
	Zone-10 N4226958 E590368		Range:		
	928.5 acres	Mapping PrecisionSPE			Qtr: XX
Elevation:		Symbol Type:POL			
Location	I: NORTH SIDE OF GRIZZLY ISLAND ALO MARSH.	NG MONTEZUMA SLOUGH, INCL NUI	RSE SLOUGH, CROSS SLOUGH, AND	HASTING	SLOUGH; SUIS
	I:LARGE AREA: ALONG MONTEZUMA SL		ANDING TO 1 MILE E OF HUNTER CU TION OF HASTING SLOUGH. NEED O		
Location Detail	APPRECIATE.				

son's lilaeopsis State	us ————	NDDB Element Ranks	Element Code: PDAPI19030 Other Lists		
Federal: None State: Rare		Global: G3 State: S3.1	CNPS L	ist: 1B.1	
	WATER AND BRACKISH MARSHES ZONES, IN MUDDY OR SILTY SOIL		ION OR RIVER BANK EROSION. 0-10M.		
Occurrence No	. 156 Map Index: 43	724 EO Index:	43724 —	Dates Last Se	en —
Occurrence No Occ Rank:	•			Element: 199	
-	Natural/Native occurrence			Site: 199	92-XX-XX
	Presumed Extant Unknown		Record Last	Updated: 200	00-09-07
	Fairfield South (3812221/482A), Vir	e Hill (3812211/482D)			
County Summary	: Solano				
	38.12258º / -122.06864º		Township:		
	Zone-10 N4219825 E581635 68.7 acres	Mapping Precisio	nSPECIFIC Section:		Qtr: XX
Elevation		Symbol Typ			
Location	: SOUTHERN TIP OF JOICE ISLANI	O AT MOUTH OF SUISUN SLOUGH, S	UISUN MARSH.		
Location Detai	I:SEVERAL COLONIES ALONG SO ISLAND.	JTHERN AND SOUTHEASTERN TIP C	OF JOICE ISLAND, ONE COLONY ON ADJAC	CENT SHORE (	OF MORRO
General	MAIN SOURCE OF INFORMATION	I FOR THIS SITE IS MAP DETAIL FRO	M DWR-ENVIRONMENTAL SERVICES OFF	ICE (1994).	
Owner/Manager	: UNKNOWN				
Occurrence No	. 179 Map Index: 70	526 EO Index:	71430	Dates Last Se	een ——
Occ Rank:			I	Element: 199	
-	Natural/Native occurrence Presumed Extant			Site: 199	92-00-19
	Unknown		Record Last	Updated: 200	07-11-27
Quad Summary	: Denverton (3812128/481B)				
County Summary	: Solano				
	38.16057º / -121.99501º		Township:		
	Zone-10 N4224108 E588043 7.0 acres	Mapping Precisio	nSPECIFIC Section:		Qtr: SE
Elevation		Symbol Typ			
		SLOUGH ABOUT 1.8 MILES S OF MON	ITEZUMA SLOUGH, SUISUN MARSH.		
	I:MAPPED BY CNDDB ACCORDING				
	ONLY SOURCE OF INFORMATION	N IS MAP DETAIL FROM DWR.			
Owner/Manager	: UNKNOWN				
Occurrence No	. 183 Map Index: 70	545 EO Index:		Dates Last Se	
Occ Rank: Origin	Unknown Natural/Native occurrence		1	Element: 199 Site: 199	
-	Presumed Extant				
Trend:	Unknown		Record Last	Updated: 200	07-12-03
Quad Summary	: Denverton (3812128/481B)				
County Summary	: Solano				
	38.12720° / -121.91627°		Township:		
	Zone-10 N4220483 E594985 15.0 acres	Mapping Precisio	nSPECIFIC Section:		Qtr: SE
		Symbol Typ			
Elevation					
	: MONTEZUMA SLOUGH, ABOUT 1	MILE SW OF MEINS LANDING ON TH	IL SE FORTION OF GRIZZET ISLAND, SUIS		
Location			CORDING TO A 1992 MAP IN A 1994 DWR R		

Mason's lilaeopsis		EI	lement Code: PDAPI19030	
Status		NDDB Element Ranks	Other Lists -	
Federal: None		Global: G3	CNPS List	: 1B.1
State: Rare		State: S3.1		
Habitat Asso	ciations			
General: FRESHWA	TER AND BRACKISH MARSH	HES, RIPARIAN SCRUB.		
Micro: TIDAL ZON	NES, IN MUDDY OR SILTY SC	DIL FORMED THROUGH RIVER DEPOSITION OR RIVER	R BANK EROSION. 0-10M.	
Occurrence No. 18	85 Map Index:	70547 <b>EO Index</b> : 71453	— D	ates Last Seen
Occ Rank: Fa	air		Ele	ement: 1992-XX-XX
5	atural/Native occurrence			Site: 1992-XX-XX
Presence: Pr Trend: Ur	resumed Extant		Papard Last II	pdated: 2007-11-28
	onker Bay (3812118/481C), De	enverton (3812128/481B)		
Quad Summary: Ho County Summary: So	• • • •	enverton (3812128/481B)		
County Summary: So	• • • •	enverton (3812128/481B)	Township: 0	3N
County Summary: So Lat/Long: 38 UTM: Zo	olano 8.10333º / -121.89075º one-10 N4217861 E597253		Township: 0 Range: 0	
County Summary: So Lat/Long: 3g UTM: Zo Area: 19	olano 8.10333º / -121.89075º one-10 N4217861 E597253 99.0 acres	Mapping PrecisionSPECIFIC	Range: 0 Section: 1	1E 7 Qtr: XX
County Summary: So Lat/Long: 38 UTM: Zo	olano 8.10333º / -121.89075º one-10 N4217861 E597253 99.0 acres		Range: 0	1E 7 Qtr: XX
County Summary: So Lat/Long: 38 UTM: Zo Area: 19 Elevation: 5	olano 8.10333º / -121.89075º one-10 N4217861 E597253 99.0 acres ft	Mapping PrecisionSPECIFIC	Range: 0 Section: 1 Meridian: M	1E 7 Qtr: XX
County Summary: So Lat/Long: 38 UTM: Zo Area: 19 Elevation: 5 Location: Mo Location Detail: M	olano 8.10333° / -121.89075° one-10 N4217861 E597253 99.0 acres ft IONTEZUMA SLOUGH, FROM	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Range: 0 Section: 1 Meridian: M RSH. CORDING TO A 1992 MAP IN A	11E 7 <b>Qtr:</b> XX /
County Summary: So Lat/Long: 38 UTM: 20 Area: 19 Elevation: 5 Location: M Location Detail: M RU Ecological: ES	olano 8.10333° / -121.89075° one-10 N4217861 E597253 99.0 acres ift IONTEZUMA SLOUGH, FROM IAPPED BY CNDDB AS MULT UYGT FIELD SURVEY FORM STUARINE, SALT MARSH/BA	Mapping PrecisionSPECIFIC Symbol Type:POLYGON I NEAR MOLENA TO NEAR MONTEZUMA, SUISUN MAI IPLE COLONIES ALONG BOTH SIDES OF SLOUGH AC	Range: 0 Section: 1 Meridian: M RSH. CORDING TO A 1992 MAP IN A H OF THE SLOUGH. CUTUS, PHRAGMITES COMMU	11E 7 Qtr: XX 1 1994 DWR REPORT AND 2
County Summary: So Lat/Long: 38 UTM: Zo Area: 19 Elevation: 5 Location Mu Location Detail: M. RI Ecological: ES	olano 8.10333° / -121.89075° one-10 N4217861 E597253 99.0 acres ift ONTEZUMA SLOUGH, FROM IAPPED BY CNDB AS MULT UYGT FIELD SURVEY FORM STUARINE, SALT MARSH/BA SSOCIATED: SOLDIAGO OCC	Mapping PrecisionSPECIFIC Symbol Type:POLYGON I NEAR MOLENA TO NEAR MONTEZUMA, SUISUN MAI IPLE COLONIES ALONG BOTH SIDES OF SLOUGH AC S. COLONIES SCATTERED ALONG A 4 MILE STRETCH NK OF LEVEE, INTERTIDAL. DOMINANTS: SCIRPUS A	Range: 0 Section: 1 Meridian: M RSH. CORDING TO A 1992 MAP IN A H OF THE SLOUGH. CUTUS, PHRAGMITES COMMU AMPSIA CESPITOSA.	11E 7 Qtr: XX 1 1994 DWR REPORT AND 2
County Summary: So Lat/Long: 38 UTM: Zo Area: 11 Elevation: 5 Location: Mu Location Detail: Mu RU Ecological: ES AS Threat: AT	olano 8.10333° / -121.89075° one-10 N4217861 E597253 99.0 acres ift ONTEZUMA SLOUGH, FROM IAPPED BY CNDB AS MULT UYGT FIELD SURVEY FORM STUARINE, SALT MARSH/BA SSOCIATED: SOLDIAGO OCC	Mapping PrecisionSPECIFIC Symbol Type:POLYGON I NEAR MOLENA TO NEAR MONTEZUMA, SUISUN MAI IPLE COLONIES ALONG BOTH SIDES OF SLOUGH AC IS. COLONIES SCATTERED ALONG A 4 MILE STRETCH INK OF LEVEE, INTERTIDAL. DOMINANTS: SCIRPUS A CIDENTALIS, LATHYRUS JEPSONII JEPSONII, DESCH/ DF POPULATION HAVE SOME RIP-RAP AND ARE INVA	Range: 0 Section: 1 Meridian: M RSH. CORDING TO A 1992 MAP IN A H OF THE SLOUGH. CUTUS, PHRAGMITES COMMU AMPSIA CESPITOSA.	11E 7 Qtr: XX 1 1994 DWR REPORT AND 2

Stat	us ———	NDDB Element Ranks	Element Code: PDSCR10050 Other Lists		
Federal: None State: None		Global: G4?Q State: S2.1	CNPS L	. <b>ist:</b> 2.1	
General: RIPARI	SSOCIATIONS				II. 0-3M.
Occurrence No Occ Rank:	Good	EO Index: 12056			1997-05-24
Presence:	: Transplant Outside of Native Hab./Range : Presumed Extant Unknown		Record Las		1997-05-24 1995-11-01
Quad Summary	: Dozier (3812137/498D)				
County Summary	: Solano				
-	38.26424º / -121.78366º		Township:		
	Zone-10 N4235833 E606408 80 meters	Mapping PrecisionSPE	CIFIC Section:		Qtr: XX
Elevation	: 0 ft	Symbol Type:POI	NT Meridian:	М	
Location	: CALHOUN CUT ECOLOGICAL RESERVE,	ALONG BARKER SLOUGH, ABOUT	0.6 MILE WEST OF JUNCTION WITH	HASTING	S TRACT.
Ecological	: MUDDY BANKS WITH LILAEOPSIS MASO	NII, HYDROCOTYLE VERTICILLATA	V, SCIRPUS CERNUUS, AND JUNCUS	ACUTUS.	
General	THIS IS AN EXPERIMENTAL PLOT FOR LI MONITORED FOR FIVE YEARS. MUCH O				
Owner/Manager	: DFG-CALHOUN CUT ER				
Occurrence No	. 6 Map Index: 20602	EO Index: 6290	_	Dates Las	st Seen
Occ Rank:					1994-07-XX
-	: Natural/Native occurrence : Presumed Extant			Site:	1994-07-XX
	Unknown		Record Las	t Updated:	1995-11-01
Quad Summary County Summary	: Dozier (3812137/498D)				
	38.25913º / -121.79994º		Township:	05N	
	Zone-10 N4235247 E604991		Range:		<b>e</b> . 5
Elevation	30.6 acres : 0 ft	Mapping PrecisionSPE Symbol Type:POL			Qtr: 3
Location	: CALHOUN CUT ECOLOGICAL RESERVE,	FROM JUST EAST OF HIGHWAY 1		S.	
Location Detai	I: MAPPED AS 5 POLYGONS ALONG BOTH	SIDES OF SLOUGH. ALSO IN S 1/2	OF SECTION 20.		
Ecological	ON MUDDY BANKS WITH HYDROCOTYLE MASONII, AND OCCASIONAL ASTER LEN			REA INCL	UDE LILAEOPSIS
General	OVER 1000 PLANTS ESTIMATED IN 1994. TO DISTINGUISH FROM LILAEOPSIS MAS			ON OF CAL	HOUN CUT; DIFFI
Owner/Manager	: DFG-CALHOUN CUT ER				
Occurrence No		EO Index: 9611		Dates Las	
Occ Rank: Origin:	Unknown Natural/Native occurrence				1990-08-20 1990-08-20
-	Presumed Extant				
Trend:	Unknown		Record Las	t Updated:	1995-11-13
-	: Rio Vista (3812126/480B)				
County Summary	38.23361º / -121.66967º Zone-10 N4232571 E616430		Township: Range:		
Lat/Long		Mapping PrecisionSPE	-		Qtr: XX
Lat/Long: UTM:	95.4 acres				
Lat/Long: UTM:	95.4 acres	Symbol Type:POL	YGON Meridian:	M	
Lat/Long: UTM: Area: Elevation:	95.4 acres				

			ement Code: PDSCR10050	
Federal: None		ODDB Element Ranks     Global: G4?Q	Other Lists	
State: None		State: S2.1	CNPS List: 2.1	
Habitat Asso	alationa			
		SH, BRACKISH MARSH. PROBABLY THE RAREST OF	THE SUITE OF DELTA RARE PLANTS	
	,	TA IN MARSHY OR SCRUBBY RIPARIAN ASSOCIATIO		L 0-3M
Occurrence No. 2	1 Map Index:	10855 EO Index: 7761	Dates Las	t Seen
Occ Rank: U	Inknown		Element:	1990-07-26
•	latural/Native occurrence		Site:	1990-07-26
	resumed Extant		Record Last Updated:	1002-12-20
Trend: U	Inknown		Record Last opuated.	1993-12-29
Quad Summary: R	tio Vista (3812126/480B)			
County Summary: Sa	acramento			
Lat/Long: 3	8.13517º / -121.68693º		Township: 03N	
UTM: Z	one-10 N4221627 E615074		Range: 03E	
Radius: 8		Mapping PrecisionSPECIFIC	Section: 6	Qtr: XX
Elevation: 0	) ft	Symbol Type:POINT	Meridian: M	
Location: E	AST BANK OF SACRAMENTO	RIVER, 2.5 KM (1.5 MI) SOUTH OF THE RIO VISTA BR	IDGE.	
Location Detail:S	ANDY BEACH 1.5 MILES SOU	TH OF JUNCTION OF HWY 160 AND HWY 12 ON THE	WEST SHORE OF BRANNON ISLAND.	
Ecological: G	ROWING IN ASSOCIATION W	ITH ASTER LENTUS, LILAEOPSIS MASONII, MIMULUS	GUTTATUS, SCIRPUS, PHRAGMITES,	POLYGONUM.
		DON, HELENIUM, PASPALUM, ARUNDO, SALIX, DISTIC		,
Threat: S	ITE THREATENED BY TRAMP	LING ASSOCIATED WITH RECREATIONAL USE.		
General: O	BSERVED DURING LILAEOPS	SIS MASONII SURVEY IN 1990. AREA BETWEEN SITE	AND BRIDGE IS UNSURVEYED. ADDITIO	ONAL PLANTS
	OCCUR.		,	
Owner/Manager: P	VT			
Occurrence No. 22	2 Map Index:	26547 <b>EO Index:</b> 5215	Dates Las	t Seen
Occurrence No. 22 Occ Rank: G				1994-07-XX
	latural/Native occurrence			1994-07-XX
· .	resumed Extant			
Trend: U	Inknown		Record Last Updated:	1995-11-01
Quad Summary: D	ozier (3812137/498D)			
County Summary: Se				
	8.26597º / -121.78649º		Township: 05N	
-	Cone-10 N4236021 E606158		Range: 02E	
Radius: 8		Mapping PrecisionSPECIFIC	Section: 20	Qtr: XX
	) <del>(</del>	Symbol Type:POINT	Meridian: M	
Elevation: 0	) IL	eynizer typer eart	in or real and in	

Owner/manager: DFG-CALHOON

fornia linderiella			Element Code: ICBRA06		
Federal: None State: None		NDDB Element Ranks Global: G3 State: S2S3	CDF	Lists ———— FG Status:	
General: SEASO		ASSLANDS WITH OLD ALLUVIAL SOIL	S UNDERLAIN BY HARDPAN OR IN SA		RESSIONS
		V ALKALINITY, CONDUCTIVITY, AND			200101101
Occurrence No.	. 86 Map Index:	32548 EO Index	: 1702	Dates La	ast Seen ——
Occ Rank:					1993-02-07
Presence:	Natural/Native occurrence Presumed Extant Unknown		Reco	Site: rd Last Updated:	1993-02-07 : 1995-12-01
Quad Summary:	Dozier (3812137/498D)				
County Summary	: Solano				
UTM:	38.30644º / -121.79641º Zone-10 N4240501 E605232		R	nship: 05N tange: 02E	
Elevation:	80 meters 15 ft			ection: 06 ridian: M	Qtr: SW
Location	NE OF DOZIER; SW CORNER	OF BROWN ROAD X SALEM ROAD.			
Ecological	TURBID ROADSIDE POND.				
	5+ INDIVIDUALS OBSERVED.				
Owner/Manager:	UNKNOWN				
Occurrence No.		32549 EO Index	: 1703	— Dates La	
Occ Rank: Origin:	Unknown Natural/Native occurrence				1993-02-07 1993-02-07
Presence:	Presumed Extant Unknown		Reco	rd Last Updated	
Quad Summary: County Summary:	Dozier (3812137/498D) : Solano				
-	38.28742º / -121.79637º			nship: 05N	
	Zone-10 N4238390 E605263 80 meters	Mapping Prec		ange: 02E ection: 07	Qtr: SW
Elevation:				ridian: M	
Location	EAST OF DOZIER; ON WEST	SIDE OF SALEM ROAD, 2.1 KM S OF B	ROWN ROAD X SALEM ROAD.		
Ecological	ROADSIDE DITCH ADJACENT	TO HORSE PASTURE; TURBID POOL	. CHOKED WITH ALGAE.		
General: Owner/Manager:	20+ INDIVIDUALS OBSERVED	AT POOL.			
Owner/Manager.					
Occurrence No.		47126 EO Index	: 47126	Dates La	ast Seen 2002-01-15
Occ Rank: Origin:	Good Natural/Native occurrence				2002-01-15 2002-01-15
	Presumed Extant Unknown		Reco	rd Last Updated	: 2002-01-30
Quad Summary:	Dozier (3812137/498D)				
County Summary	: Solano				
-	38.34366º / -121.82289º Zone-10 N4244601 E602864			nship: 06N	
Radius:	80 meters		isionSPECIFIC Se	tange: 01E action: 25	Qtr: NW
Elevation:	30 ft	Symbol 1	Type:POINT Me	ridian: M	
		ON; 0.5 MILE NORTH OF FRY ROAD, E			
-			USED FOR GRAZING SHEEP AND LLA	MAS.	
	THREAT CONSISTS OF HIGH	WAY REALIGNMENT AND IMPROVEM	EN15.		

California linderiella Statu	IS	NDDB Element Ranks	Element Code: ICBRA06010 Other Lists	
Federal: None State: None		Global: G3 State: S2S3	CDFG Status:	
General: SEASO	SOCIATIONS		LAIN BY HARDPAN OR IN SANDSTONE DE	PRESSIONS.
Occurrence No. Occ Rank: Origin:	•	<b>EO Index:</b> 47127	Element	Last Seen t: 2002-01-14 :: 2002-01-14
	Presumed Extant Unknown		Record Last Update	ed: 2002-01-30
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
UTM: Radius:	38.22814º / -121.91434º Zone-10 N4231685 E595023 80 meters	Mapping PrecisionSPEC		Qtr: \W
Elevation:	5 π : 0.9 MILE NW OF DENVERTON; 0.5 MI WE	Symbol Type:POIN		
Ecological: Threat:	HABITAT CONSISTS OF OPEN GRASSLA THREATENED BY ROAD MODIFICATION UNKNOWN NUMBER OF INDIVIDUALS O	ND. S.		
Presence:	•	<b>EO Index:</b> 47128	Element	Last Seen
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
UTM:	38.20951° / -121.87885° Zone-10 N4229655 E598154 6.5 acres 90 ft	Mapping PrecisionSPEC Symbol Type:POLY		Qtr: NW
Location Detail Ecological Threat:	1.4 MILES SW OF DENVERTON; 0.9 MILE FOUND ON BOTH SIDES OF SR 12. HABITAT CONSISTS OF OPEN GRASSLA ROAD AND SHOULDER MODIFICATIONS	ND.		
General: Owner/Manager:	UNKNOWN NUMBER OF INDIVIDUALS O CALTRANS	BSERVED AT POOL NUMBERS 75A F	IND 75B ON 15 JAN 2002.	
Occurrence No.	•	EO Index: 48422		Last Seen
Presence:	Good Natural/Native occurrence Presumed Extant Unknown		Elemen Site Record Last Update	: 2002-04-01
	Elmira (3812138/498C)			
County Summary				
UTM:	38.27172º / -121.98603º Zone-10 N4236450 E588695 15.2 acres 45 ft	Mapping PrecisionSPEC Symbol Type:POLY		Qtr: \W
			OF AIRBASE PARKWAY AND WALTERS RC L (27-09) ADJACENT TO WALTERS ROAD.	DAD.
	, ,	AL POOLS IN A GRASSLAND GRAZE	D BY CATTLE. LEPIDURUS PACKARDI IN 2	POOLS. OTHER FAUN

alifornia linderiella				Element	Code: ICBRA06010		
Stat	us ———		NDDB Element Ranks		Other Lists		
Federal: None			Global: G3		CDFG Statu	s:	
State: None			State: S2S3				
	ssociations —						50010110
			NDS WITH OLD ALLUVIAL SOILS UN LINITY, CONDUCTIVITY, AND TDS.		JPAN OR IN SANDSTO	NE DEPR	ESSIONS.
Occurrence No	203	Map Index: 48426	EO Index: 48	8426		Dates La	st Seen
Occ Rank:				0420			2003-01-31
	Natural/Native of	ccurrence				Site:	2003-02-12
Presence:	Presumed Extan	ıt					
Trend:	Unknown				Record Last	Updated:	2004-03-02
Quad Summary	: Dozier (3812137	7/498D)					
County Summary	: Solano						
Lat/Long:	38.32484º / -121	.78215°			Township:	06N	
	Zone-10 N42425	559 E606452			Range:		
	56.0 acres		Mapping Precision		Section:		Qtr: XX
Elevation	: 15 ft		Symbol Type:	:POLYGON	Meridian:	М	
Threat:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM	RRANGÉMENT ALONO UDE DISKING / GRAD MBER OBSERVED, JA	F SEASONALLY PONDED DEPRESS RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT	ACCESS RD). SOM	E POOLS UNVEGETAT _AR TRAFFIC.	ED, SOM	E W/CATTAILS,
Threat:	IN A LINEÀR AR COCKLEBUR. THREATS INCLI UNKNOWN NUN AND 31 JAN 200	RRANGÉMENT ALONO	RAILROAD RIGHT-OF-WAY (DIRT)	ACCESS RD). SOM	E POOLS UNVEGETAT _AR TRAFFIC.	ED, SOM	E W/CATTAILS,
Threat: General: Owner/Manager	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN	RANGÉMENT ALONG UDE DISKING / GRAE MBER OBSERVED, JA D3; POOL WAS DRY B	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE	ED, SOMI	E W/CATTAILS, ITE 41-03), 15 J
Threat: General: Owner/Manager Occurrence No	IN A LINEÀR AR COCKLEBUR. THREATS INCLU UNKNOWN NUM AND 31 JAN 200 UNKNOWN . 204	RRANGÉMENT ALONO UDE DISKING / GRAD MBER OBSERVED, JA	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE	ED, SOMI RVED (S	E W/CATTAILS, ITE 41-03), 15 J st Seen
Threat: General: Owner/Manager Occurrence No Occ Rank:	IN A LINEÀR AR COCKLEBUR. THREATS INCLI UNKNOWN NUM AND 31 JAN 200 UNKNOWN 2004 Poor	RANGÉMENT ALONG UDE DISKING / GRAD MBER OBSERVED, JA 33; POOL WAS DRY B Map Index: 48427	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE	ED, SOMI RVED (S Dates Las lement:	E W/CATTAILS, ITE 41-03), 15 J
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	IN A LINEÀR AR COCKLEBUR. THREATS INCLU UNKNOWN NUM AND 31 JAN 200 UNKNOWN . 204	RANGÉMENT ALONG UDE DISKING / GRAD MBER OBSERVED, JA 03; POOL WAS DRY B Map Index: 48427 ccurrence	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E	ED, SOMI RVED (S Dates Las lement: Site:	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	IN A LINEÀR AR COCKLEBUR. THREATS INCLI UNKNOWN NUM AND 31 JAN 200 UNKNOWN 204 Poor Natural/Native of	RANGÉMENT ALONG UDE DISKING / GRAD MBER OBSERVED, JA 03; POOL WAS DRY B Map Index: 48427 ccurrence	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE	ED, SOMI RVED (S Dates Las lement: Site:	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	IN A LINEÀR AR COCKLEBUR. THREATS INCLI UNKNOWN NUM AND 31 JAN 200 UNKNOWN 204 Poor Natural/Native or Presumed Extan	RANGÉMENT ALONG UDE DISKING / GRAD MBER OBSERVED, JA 33; POOL WAS DRY E Map Index: 48427 ccurrence t	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E	ED, SOMI RVED (S Dates Las lement: Site:	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	IN A LINEÀR AR COCKLEBUR. THREATS INCLU UNKNOWN NUM AND 31 JAN 200 UNKNOWN 204 Poor Natural/Native or Presumed Extan Unknown Dozier (3812137	RANGÉMENT ALONG UDE DISKING / GRAD MBER OBSERVED, JA 33; POOL WAS DRY E Map Index: 48427 ccurrence t	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E	ED, SOMI RVED (S Dates Las lement: Site:	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	IN A LINEÀR AR COCKLEBUR. THREATS INCLU UNKNOWN NUM AND 31 JAN 200 UNKNOWN 204 Poor Natural/Native or Presumed Extan Unknown Dozier (3812137	RANGÉMENT ALONC UDE DISKING / GRAE WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence tt	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E	ED, SOM RVED (S Dates Lat lement: Site: Updated:	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUN AND 31 JAN 200 : UNKNOWN : 204 : Patrial/Native or Presumed Extan Unknown : Dozier (3812137 : Solano	RANGÉMENT ALONG UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D)	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT / Y 12 FEB 2003.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E Record Last 1	ED, SOM RVED (S Dates Las lement: Site: Updated: 06N	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN . 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres	RANGÉMENT ALONG UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D)	ARAILROAD RIGHT-OF-WAY (DIRT . ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT . Y 12 FEB 2003. EO Index: 48 Mapping Precision	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK 8427 B427	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE  E Record Last I Township: Range: Section:	ED, SOMI	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN . 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres	RANGÉMENT ALONG UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D)	S RAILROAD RIGHT-OF-WAY (DIRT . ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT . Y 12 FEB 2003. EO Index: 48	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK 8427 B427	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE E Record Last Township: Range:	ED, SOMI	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19 2002-08-02
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN : 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres : 15 ft : 4.7 TO 5.1 MILE	RANGÉMENT ALONO UDE DISKING / GRAE WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it //498D) 1.76545° 358 E607884 S NE OF DOZIER; AL	ARAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT Y 12 FEB 2003. EO Index: 48 Mapping Precision Symbol Type: DNG WEST SIDE OF ABANDONED S	ACCESS RD). SOM E SUCH AS VEHICUL AT SITE 42-01. UNK 8427 89ECIFIC POLYGON	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE E Record Last Township: Range: Section: Meridian:	ED, SOMI ERVED (S Dates Las lement: Site: Updated: 06N 02E 28 M	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-08-02 2002-08-02 Qtr: XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN : 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres : 15 ft : 4.7 TO 5.1 MILE	RANGÉMENT ALONO UDE DISKING / GRAE WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it //498D) 1.76545° 358 E607884 S NE OF DOZIER; AL	S RAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT Y 12 FEB 2003. EO Index: 48 Mapping Precision Symbol Type:	ACCESS RD). SOM E SUCH AS VEHICUL AT SITE 42-01. UNK 8427 89ECIFIC POLYGON	E POOLS UNVEGETAT LAR TRAFFIC. NOWN NUMBER OBSE E Record Last Township: Range: Section: Meridian:	ED, SOMI ERVED (S Dates Las lement: Site: Updated: 06N 02E 28 M	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-08-02 2002-08-02 Qtr: XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUN AND 31 JAN 200 : UNKNOWN : 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres : 15 ft : 4.7 TO 5.1 MILE I: SITE 43-03; EXT	RANGÉMENT ALONO UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D) 1.76545° 558 E607884 S NE OF DOZIER; AL FENDS NE ALONG GF	ARAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT Y 12 FEB 2003. EO Index: 48 Mapping Precision Symbol Type: DNG WEST SIDE OF ABANDONED S	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK 8427 B427 SPECIFIC POLYGON SACRAMENTO NOR	E POOLS UNVEGETAT AR TRAFFIC. NOWN NUMBER OBSE  Record Last  Township: Range: Section: Meridian:  THERN ELECTRIC RAI	ED, SOMI ERVED (S Dates Las lement: Site: Updated: 06N 02E 28 M LROAD C	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19 2002-08-02 Qtr: XX GRADE.
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai Ecological	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUM AND 31 JAN 200 : UNKNOWN : 204 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres : 15 ft : 4.7 TO 5.1 MILE I: SITE 43-03; EXT : HABITAT CONS AGRICULTURAL	RANGÉMENT ALONG UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D) 1.76545° 358 E607884 S NE OF DOZIER; ALI FENDS NE ALONG GF ISTS OF A SEASONA L GRASSES.	ARAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT Y 12 FEB 2003. EO Index: 48 Mapping Precision Symbol Type: ONG WEST SIDE OF ABANDONED S ADE FROM NORTON ROAD.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK 8427 B427 SPECIFIC POLYGON SACRAMENTO NOR	E POOLS UNVEGETAT AR TRAFFIC. NOWN NUMBER OBSE  Record Last  Township: Range: Section: Meridian:  THERN ELECTRIC RAI	ED, SOMI ERVED (S Dates Las lement: Site: Updated: 06N 02E 28 M LROAD C	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19 2002-08-02 Qtr: XX GRADE.
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Elevation: Location Location Detai Ecological Threat:	IN A LINEÀR AR COCKLEBUR. : THREATS INCLI : UNKNOWN NUN AND 31 JAN 200 : UNKNOWN 2004 : Poor : Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.34358° / -121 Zone-10 N42446 28.7 acres : 15 ft : 4.7 TO 5.1 MILE I:SITE 43-03; EXT : HABITAT CONS AGRICULTURAL : THREAT INCLU	RANGÉMENT ALONG UDE DISKING / GRAD WBER OBSERVED, JA D3; POOL WAS DRY E Map Index: 48427 ccurrence it 7/498D) 1.76545° 358 E607884 S NE OF DOZIER; ALI FENDS NE ALONG GF ISTS OF A SEASONA L GRASSES.	ARAILROAD RIGHT-OF-WAY (DIRT ING AND REGULAR DISTURBANCE N-MAR 2002. B. LYNCHI PRESENT Y 12 FEB 2003. EO Index: 48 Mapping Precision Symbol Type: CONG WEST SIDE OF ABANDONED S RADE FROM NORTON ROAD. LLY PONDED, NATURAL LINEAR DE GRICULTURAL ACTIVITES.	ACCESS RD). SOM E SUCH AS VEHICUI AT SITE 42-01. UNK 8427 B427 SPECIFIC POLYGON SACRAMENTO NOR	E POOLS UNVEGETAT AR TRAFFIC. NOWN NUMBER OBSE  Record Last  Township: Range: Section: Meridian:  THERN ELECTRIC RAI	ED, SOMI ERVED (S Dates Las lement: Site: Updated: 06N 02E 28 M LROAD C	E W/CATTAILS, ITE 41-03), 15 J st Seen 2002-02-19 2002-02-19 2002-08-02 Qtr: XX GRADE.

alifornia linderiella					Element	t Code: ICBRA06010		
Stat	us ———		N	DDB Element Ranks		Other Lists		
Federal: None				Global: G3		CDFG Stat	us:	
State: None				State: S2S3				
	ssociations —			TH OLD ALL N #AL OO				
				CONDUCTIVITY, AND	ILS UNDERLAIN BY HAF	DPAN OR IN SANDST	JNE DEPR	(25510115.
				00.000000000000000000000000000000000000				
Occurrence No	. 205	Map Index:	48428	EO Inde	<b>x:</b> 48428		Dates La	
Occ Rank:							Element:	
-	Natural/Native or						Site:	2003-01-16
	Presumed Extant	t				Becord Loot	Undated	2004-12-23
Trend:	Unknown					Record Lasi	opualeu.	2004-12-23
Quad Summary	Dozier (3812137	/498D)						
County Summary	: Solano							
Lat/Long	38.31418º / -121	.86968º				Township:	05N	
-	Zone-10 N42412					Range:		
	80 meters			Mapping Pre	cisionSPECIFIC	Section:		Qtr: XX
Elevation	: 45 ft				Type:POINT	Meridian:	М	
Ecological	GRASSLAND/VE	ERNAL POOL H	HABITAT TO TI	HE SOUTH & EAST. BR	NAL POOL IN A GRASSI ACHINECTA LYNCHI & I			
Ecological General:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT	ERNAL POOL H	HABITAT TO TI	HE SOUTH & EAST. BR		B. MESOVALLENSIS IN		VERNAL POOL
Ecological General: Owner/Manager Occurrence No Occ Rank:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT . 206 Fair	ERNAL POOL H IBER OBSER\ Map Index:	HABITAT TO TI	HE SOUTH & EAST. BR	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	NEARBY Dates La Element:	VERNAL POOI st Seen 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT . 206 Fair Natural/Native oo	MBER OBSER	HABITAT TO TI	HE SOUTH & EAST. BR	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	NEARBY Dates La Element:	st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT . 206 Fair Natural/Native oc Presumed Extant	MBER OBSER	HABITAT TO TI	HE SOUTH & EAST. BR	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	Dates La Element: Site:	vernal POOL st Seen 2003-01-15 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUN : PVT . 206 Fair Natural/Native oc Presumed Extant Unknown	Map Index:	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	Dates La Element: Site:	VERNAL POOI st Seen 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38	Map Index:	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	Dates La Element: Site:	vernal POOL st Seen 2003-01-15 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native oc Presumed Extan Unknown : Liberty Island (38 : Solano	Map Index: Map Index: 312136/497C),	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN	Dates La Element: Site: Updated:	vernal POOL st Seen 2003-01-15 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121	Map Index: Map Index: Scurrence t 312136/497C), .75320°	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde	ACHINECTA LYNCHI & I	B. MESOVALLENSIS IN Record Last	Dates La Element: Site: Updated: 06N	vernal POOL st Seen 2003-01-15 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462	Map Index: Map Index: Scurrence t 312136/497C), .75320°	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D)	ACHINECTA LYNCHI &   x: 48434	B. MESOVALLENSIS IN Record Last Township: Range:	Dates La Element: Site: Updated: 06N 02E	st Seen 2003-01-15 2003-01-15 2004-12-23
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native or Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462 122.6 acres	Map Index: Map Index: Scurrence t 312136/497C), .75320°	HABITAT TO TI	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) Mapping Pred	ACHINECTA LYNCHI &             x:         48434           cisionSPECIFIC	B. MESOVALLENSIS IN Record Last Township: Range: Section:	Dates La Element: Site: Updated: 06N 02E 21	vernal POOL st Seen 2003-01-15 2003-01-15
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462 122.6 acres : 18 ft	ERNAL POOL H //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\	HABITAT TO TI /ED 1 AND 11 . 48434 Dozier (381213	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) Mapping Pre Symbol	x: 48434 cisionSPECIFIC Type:POLYGON	B. MESOVALLENSIS IN —— Record Last Township: Range: Section: Meridian:	Dates La Element: Site: Updated: 06N 02E 21 M	vernal POOI st Seen 2003-01-15 2003-01-15 2004-12-23 Qtr: XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462 122.6 acres : 18 ft	ERNAL POOL H //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\ //BER OBSER\	HABITAT TO TI /ED 1 AND 11 . 48434 Dozier (381213	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) Mapping Pre Symbol	XCHINECTA LYNCHI &   x: 48434	B. MESOVALLENSIS IN —— Record Last Township: Range: Section: Meridian:	Dates La Element: Site: Updated: 06N 02E 21 M	vernal POOI st Seen 2003-01-15 2003-01-15 2004-12-23 Qtr: XX
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native oc Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462 122.6 acres : 18 ft : 5.5 MILES NW C GRADE.	Map Index: Map Index: ccurrence t .75320° 205 E608933 DF DOZIER; EX VEEN BINGHA	HABITAT TO TI /ED 1 AND 11 . 48434 Dozier (381213 (TENDING 4.4) MTON ROAD (	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) Mapping Pre Symbol WILES NW FROM BUN TO THE SOUTH) AND	x: 48434 cisionSPECIFIC Type:POLYGON	B. MESOVALLENSIS IN Record Last Township: Range: Section: Meridian: ED SACRAMENTO NOF	Dates La Element: Site: Updated: Updated: 06N 02E 21 M ETHERN E	st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Detai	HABITAT CONS GRASSLAND/VE UNKNOWN NUM PVT 206 Fair Natural/Native or Presumed Extant Unknown Liberty Island (38 Solano 38.35739° / -121 Zone-10 N42462 122.6 acres 18 ft 5.55 MILES NW C GRADE. LOCATED BETV SECTION: 16 PC HABITAT CONS	Map Index: Map Index: Courrence t 312136/497C), .75320° 205 E608933 DF DOZIER; EX VEEN BINGHA DOLS. NORTH ISTS OF STRII	HABITAT TO TI /ED 1 AND 11 . 48434 Dozier (381213 (TENDING 4.4) MTON ROAD ( ERN SECTION NG OF SEASO	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) MILES NW FROM BUN TO THE SOUTH) AND 12 POOLS. NALLY PONDED POOL	X: 48434 x: 48434 cisionSPECIFIC Type:POLYGON KER ALONG ABANDONE	B. MESOVALLENSIS IN Record Last Township: Range: Section: Meridian: ED SACRAMENTO NOR ORTH). SOUTHERN SE ORROW PITS/DITCHES	Dates La Element: Site: Updated: Updated: 06N 02E 21 M XTHERN E SCTION: 27 S. A FEW I	st Seen
Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation Location Location	: HABITAT CONS GRASSLAND/VE : UNKNOWN NUM : PVT : 206 Fair Natural/Native or Presumed Extant Unknown : Liberty Island (38 : Solano : 38.35739° / -121 Zone-10 N42462 122.6 acres : 18 ft : 5.5 MILES NW C GRADE. I: LOCATED BETV SECTION: 16 PC : HABITAT CONS OCCURRING VE	Map Index: Map Index: Courrence t 312136/497C), 75320° 205 E608933 OF DOZIER; EX VEEN BINGHA DOLS. NORTH ISTS OF STRII ERNAL POOLS	HABITAT TO TI /ED 1 AND 11 . 48434 Dozier (381213 (TENDING 4.4 MTON ROAD ( ERN SECTION NG OF SEASO LOCATED IN	HE SOUTH & EAST. BR JAN OF 2002. EO Inde 7/498D) MILES NW FROM BUN TO THE SOUTH) AND 12 POOLS. NALLY PONDED POOL	X: 48434 x: 484	B. MESOVALLENSIS IN Record Last Township: Range: Section: Meridian: ED SACRAMENTO NOR ORTH). SOUTHERN SE ORROW PITS/DITCHES	Dates La Element: Site: Updated: Updated: 06N 02E 21 M XTHERN E SCTION: 27 S. A FEW I	st Seen

California linderiella	us —————	NDDB Element Ranks	Element Code: ICBRA06010 Other Lists	
Federal: None State: None		Global: G3 State: S2S3	CDFG State	IS:
			DERLAIN BY HARDPAN OR IN SANDSTO	INE DEPRESSIONS.
Occurrence No. Occ Rank:		EO Index: 484		Dates Last Seen
Presence:	Natural/Native occurrence Presumed Extant Unknown		Record Last	Site: 2003-01-XX Updated: 2004-12-23
Quad Summary: County Summary	Fairfield North (3812231/499D) Solano			
UTM: Area:	38.25468° / -122.02362° Zone-10 N4234523 E585427 19.5 acres	Mapping PrecisionS		01W 30 <b>Qtr:</b> XX
Elevation: Location	20 ft : NE OF FAIRFIELD; FROM LAUREL CF	Symbol Type:P		
Location Detail	: SITES 25-09, 25-10, 25-12 AND 25-13. : HABITAT CONSISTS OF SEASONALL	Y PONDED DEPRESSIONS AND RAI	ROAD BORROW PITS ALONG RAILROA DEVELOPMENTS. CYZICUS CALIFORN	
General: Owner/Manager		S OBSERVED ON 28 DEC 2001; 8, 24	JAN 2002; 6, 20 FEB 2002; & 5 MAR 200	2. A FEW OBSERVED JAN 20
-	Poor Natural/Native occurrence	EO Index: 484		Dates Last Seen           Element:         2003-01-XX           Site:         2003-01-XX
	Presumed Extant Unknown		Record Last	Updated: 2004-12-23
Quad Summary County Summary	Fairfield South (3812221/482A) : Solano			
UTM:	38.24749° / -122.03524° Zone-10 N4233715 E584418 15.9 acres 5 ft	Mapping PrecisionS Symbol Type:P		02W 25 <b>Qtr:</b> XX
Location	JUST NORTH OF SUISUN CITY; 0.2 M	ILES NORTH OF HWY 12, ALONG RA	ILROAD GRADE.	
	HABITAT CONSISTS OF SEASONALL	Y PONDED, ARTIFICIALLY EXCAVAT	GRADE IN A DEPRESSION NORTH OF D ED DEPRESSIONS DOMINATED BY CO SOLATED FROM NATURAL VERNAL PC	CKLEBUR. THE SURROUNDI
General: Owner/Manager		S OBSERVED ON 8, 24 JAN 2002 AN	D 6, 20 FEB 2002. FEW OBSERVED IN JA	N 2003.
Occurrence No. Occ Rank: Origin:	•	EO Index: 484		Dates Last Seen Element: 2003-01-14 Site: 2003-01-14
Presence:	Presumed Extant Unknown		Record Last	Updated: 2004-12-23
Quad Summary: County Summary	Saxon (3812146/497B) : Yolo			
UTM:	38.45207°/-121.66720° Zone-10 N4256816 E616296 103.3 acres 15 ft	Mapping PrecisionS Symbol Type:P		03E 17 <b>Qtr:</b> XX
Location Detail	OBSERVED AT 28 DIFFERENT SITES	ALONG BOTH SIDES OF THE SACR	JTH OF ROAD 38 ALONG RAIROAD GRA AMENTO NORTHERN ELECTRIC RAILR( V PITS, DITCHES) AND SOME NATURAL	DAD GRADE.
LUUUyitai			SENT. BRANCHINECTA LYNCHI AND LE	

California linderiella			ent Code: ICBRA06010	
Federal: None State: None	JS	NDDB Element Ranks Global: G3 State: S2S3	CDFG Status:	
		S WITH OLD ALLUVIAL SOILS UNDERLAIN BY H IITY, CONDUCTIVITY, AND TDS.	IARDPAN OR IN SANDSTONE DEPR	ESSIONS.
Occurrence No.	213 Map Index: 48497	EO Index: 48497	Dates Las	st Seen
•	Natural/Native occurrence			2002-01-14 2002-01-14
	Presumed Extant Unknown		Record Last Updated:	2002-08-07
Quad Summary: County Summary	Saxon (3812146/497B) : Yolo			
	38.42764° / -121.68946°		Township: 07N	
	Zone-10 N4254077 E614392 80 meters	Mapping PrecisionSPECIFIC	Range: 03E Section: 30	Qtr: NW
Elevation		Symbol Type:POINT	Meridian: M	
Location	: 1.4 MILES NE OF YOLANO; 0.3 MILES SE GRADE	E OF THOMSEN ROAD, NORTH OF UNNAMED S	SLOUGH & EAST OF NORTHERN ELE	ECTRIC RAILROAD
Location Detail	SITE NUMBERS 50-09 AND 50-10.			
Ecological		ICIALLY CREATED DEPRESSIONS THAT SEASO IS UNDER AGRICULTURAL PRODUCTION.	DNALLY POND RAINWATER. AREA I	S GENERALLY
General:	UNKNOWN NUMBER OF INDIVIDUALS O	DBSERVED ON 14 JAN 2002.		
Owner/Manager	UNKNOWN			
Occurrence No.	236 Map Index: 59073	EO Index: 59109	Dates Las	st Seen ———
Occ Rank:	-			1997-02-11
•	Natural/Native occurrence		Site:	1997-02-11
	Presumed Extant Unknown		Record Last Updated:	2005-01-03
Quad Summary:	Allendale (3812148/498B)			
County Summary	Solano			
Lat/Long:	38.41505º / -121.93386º		Township: 07N	
	Zone-10 N4252406 E593074		Range: 01W	
Radius: Elevation:	80 meters 95 ft	Mapping PrecisionSPECIFIC Symbol Type:POINT	Section: 36 Meridian: M	Qtr: XX
Location	ABOUT 0.1 MI SOUTH OF INTERSECTIO	N OF LEISURE TOWN ROAD AND MIDWAY ROA	AD	
Location Detail	IN POOLS #2 AND #3, NORTH VILLAGE	PROJECT SITE.		
		LY PONDED WETLANDS GRAZED BY CATTLE		
Threat:	GRAZING, AGRICULTURE PRACTICES.	POTENTIAL DEVELOPMENT		
General:	UNKNOWN NUMBER OBSERVED BETW	EEN 7 JAN & 11 FEB 1997.		
Owner/Manager				
Occurrence No.	237 Map Index: 59074	EO Index: 59110	Dates Las	st Seen
Occ Rank:				1997-02-11
•	Natural/Native occurrence		Site:	1997-02-11
	Presumed Extant Unknown		Record Last Updated:	2005-01-03
Quad Summary: County Summary	Allendale (3812148/498B)			
-	38.41183º / -121.94427º Zone-10 N4252038 E592170		Township: 07N Range: 01W	
	80 meters	Mapping PrecisionSPECIFIC	Section: 35	Qtr: XX
Elevation:		Symbol Type:POINT	Meridian: M	
		TION OF I-505 AND GIBSON CANYON CREEK (N	IORTH FORK).	
	IN POOL #7 AT NORTH VILLAGE PROJE			
Ecological	ANNUAL GRASSLAND WITH SEASONAL	LY PONDED WETLANDS GRAZED BY CATTLE		
Threat:	GRAZING, AGRICULTURE PRACTICES,	POTENTIAL DEVELOPMENT		

Suisun song sparrow			ode: ABPBXA301K
State	at	NDDB Element Ranks	Other Lists
Federal: None		Global: G5T2	CDFG Status: SC
State: None		State: S2	
	ssociations		
General: RESIDE	INT OF BRACKISH-WATER MARSHES SUR	RROUNDING SUISUN BAY.	
Micro: INHABI	IS CATTAILS, TULES AND OTHER SEDGE	S, AND SALICORNIA; ALSO KNOWN TO FREQUENT	TANGLES BORDERING SLOUGHS.
Occurrence No.	•	EO Index: 24622	Dates Last Seen
Occ Rank:			Element: 1986-XX-XX Site: 1986-XX-XX
-	Natural/Native occurrence		Site: 1966-AA-AA
	Presumed Extant Increasing		Record Last Updated: 2005-02-24
	-		
	: Denverton (3812128/481B)		
County Summary			
-	38.18826° / -121.93230°		Township: 04N
	Zone-10 N4227242 E593502		Range: 01W
	4/5 mile	Mapping PrecisionNON-SPECIFIC	Section: 13 Qtr: XX
Elevation:	0 11	Symbol Type:POINT	Meridian: M
Location	NURSE SLOUGH MARSH, SE OF POTRE	RO HILLS, APPROXIMATELY 3 MI SW OF RIO VISTA .	JUNCTION.
Location Detail	:483 PAIRS ESTIMATED IN BRACKISH MA	RSH.	
Conord			
	COMPILATION OF 1976-1986 DATA.		
Owner/Manager	: UNKNOWN		
0			Dates Lost Soon
Occurrence No.	•	EO Index: 14643	Dates Last Seen     Element: 2004-05-06
Occ Rank:			Site: 2004-05-06
-	Natural/Native occurrence		Site: 2004-05-06
	Presumed Extant Increasing		Record Last Updated: 2005-03-08
Trena.	Increasing		······
Quad Summary:	Denverton (3812128/481B), Fairfield South	(3812221/482A)	
County Summary	: Solano		
Lat/Long	: 38.19554º / -122.01103º		Township: 04N
-	Zone-10 N4227973 E586598		Range: 01W
	1,305.7 acres	Mapping PrecisionSPECIFIC	Section: 18 Qtr: XX
Elevation		Symbol Type:POLYGON	Meridian: M
Location	CUTOEE SLOUGH MARSH, ON SE SIDE I	POTRERO HILLS, APPROX 4 MI S OF FAIRFIELD.	
Location Detail		SUISUN MARSH". MVZ (1908-1940): LOCATIONS GIVE S SUISUN". 2004: DETECTIONS EAST OF FIRST MALL	
Ecological	: HABITAT CONSISTS OF BRACKISH MAR CURRENT/SURROUNDING LAND USE: A	SH. VEGETATION INCLUDES SALICORNIA VIRGINIC/	A, SCIRPUS SPP., AND TYPHA SPP.
	CURRENT/SURROUNDING LAND USE: A	GRICULTURE.	
General:		3-1940. 5 SPECIMENS COLLECTED (CAS) DURING 19	
	DETECTIONS (DETECTIONS FROM 2 DAT	TES COMBINED) OCCURRED AT 10 DIFFERENT POIL	NTS ON 22 MAR & 6 MAY 2004. 17 NESTS IN 2004.
Owner/Manager	: PVT, DFG-GRIZZLY ISLAND WA		
Occurrence No.		EO Index: 14644	Dates Last Seen
Occ Rank:			Element: 1986-XX-XX
Origin:	Natural/Native occurrence		Site: 1986-XX-XX
-	Presumed Extant		Record Last Updated: 2005-04-04
Presence:	Increasing		
Presence:	Increasing		
Presence: Trend:	Increasing : Fairfield South (3812221/482A), Benicia (38	312212/482C), Vine Hill (3812211/482D)	
Presence: Trend:	Fairfield South (3812221/482A), Benicia (38	312212/482C), Vine Hill (3812211/482D)	
Presence: Trend: Quad Summary: County Summary	: Fairfield South (3812221/482A), Benicia (38 : Solano	312212/482C), Vine Hill (3812211/482D)	Township: 03N
Presence: Trend: Quad Summary: County Summary Lat/Long:	Fairfield South (3812221/482A), Benicia (38	312212/482C), Vine Hill (3812211/482D)	Township: 03N Range: 02W
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	<ul> <li>Fairfield South (3812221/482A), Benicia (38</li> <li>Solano</li> <li>38.11527° / -122.06601°</li> </ul>	812212/482C), Vine Hill (3812211/482D) Mapping PrecisionSPECIFIC	
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	<ul> <li>Fairfield South (3812221/482A), Benicia (38</li> <li>Solano</li> <li>38.11527°/ -122.06601°</li> <li>Zone-10 N4219016 E581874</li> <li>981.8 acres</li> </ul>		Range: 02W
Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>Fairfield South (3812221/482A), Benicia (38</li> <li>Solano</li> <li>38.11527°/-122.06601°</li> <li>Zone-10 N4219016 E581874</li> <li>981.8 acres</li> </ul>	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Range:02WSection:10Qtr: XX
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	Fairfield South (3812221/482A), Benicia (38     Solano     38.11527°/-122.06601°     Zone-10 N4219016 E581874     981.8 acres     S	Mapping PrecisionSPECIFIC Symbol Type:POLYGON LAND.	Range: 02W Section: 10 Qtr: XX Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	Fairfield South (3812221/482A), Benicia (38     Solano     38.11527° / -122.06601°     Zone-10 N4219016 E581874     981.8 acres     MORROW ISLAND AND SOUTH JOICE IS     1940: LOCATION GIVEN (AND MAPPED) /	Mapping PrecisionSPECIFIC Symbol Type:POLYGON LAND. AS "MOUTH SULPHUR SPRINGS VALLEY"; MVZ LAT/	Range: 02W Section: 10 Qtr: XX Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	Fairfield South (3812221/482A), Benicia (38     Solano     Solano     Solano     Solano     MA219016 E581874     981.8 acres     MORROW ISLAND AND SOUTH JOICE IS     1940: LOCATION GIVEN (AND MAPPED) A     GIVEN (AND MAPPED) AS "SUISUN BAY	Mapping PrecisionSPECIFIC Symbol Type:POLYGON LAND. AS "MOUTH SULPHUR SPRINGS VALLEY": MVZ LAT/ SHORE, MOUTH SULPHUR SPRINGS CREEK"	Range: 02W Section: 10 Qtr: XX Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	Fairfield South (3812221/482A), Benicia (38     Solano     Solano     Solano     Solano     MA219016 E581874     981.8 acres     MORROW ISLAND AND SOUTH JOICE IS     1940: LOCATION GIVEN (AND MAPPED) A     GIVEN (AND MAPPED) AS "SUISUN BAY	Mapping PrecisionSPECIFIC Symbol Type:POLYGON LAND. AS "MOUTH SULPHUR SPRINGS VALLEY"; MVZ LAT/	Range: 02W Section: 10 Qtr: XX Meridian: M
Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Fairfield South (3812221/482A), Benicia (38     Solano     38.11527º / -122.06601º     Zone-10 N4219016 E581874     981.8 acres     MORROW ISLAND AND SOUTH JOICE IS     1940: LOCATION GIVEN (AND MAPPED) /     GIVEN (AND MAPPED) AS "SUISUN BAY     NARROW STRIP OF BRACKISH COASTA	Mapping PrecisionSPECIFIC Symbol Type:POLYGON LAND. AS "MOUTH SULPHUR SPRINGS VALLEY": MVZ LAT/ SHORE, MOUTH SULPHUR SPRINGS CREEK"	Range:       02W         Section:       10       Qtr: XX         Meridian:       M         LONG AT DIFFERENT LOCATION.       1947: LOCATION         DODYEAR, CORDELIS & SUISUN SLOUGHS.

Suisun song sparrow			Element Code: ABPBXA301K	
Federal: None State: None	us ————	NDDB Element Ranks Global: G5T2 State: S2	CDFG Status: 5	SC
	SSOCIATIONS INT OF BRACKISH-WATER MARSHES SUF IS CATTAILS, TULES AND OTHER SEDGE		) FREQUENT TANGLES BORDERING S	SLOUGHS.
Occurrence No. Occ Rank: Origin:	•	EO Index: 13339	Elem	es Last Seen ent: 1986-XX-XX ite: 1986-XX-XX
Presence:	Presumed Extant Increasing		Record Last Upd	ated: 2005-04-04
Quad Summary: County Summary	: Honker Bay (3812118/481C), Denverton (38 : Solano	812128/481B), Vine Hill (3812211/482D),	Fairfield South (3812221/482A)	
-	38.11017°/-121.98551°		Township: 03N	
	Zone-10 N4218524 E588937 3,093.8 acres	Mapping PrecisionSPECIF	IC Range: 01V Section: 16	/ Qtr: XX
Elevation:		Symbol Type:POLYG		
Location	: GRIZZLY BAY SHORE ISLANDS AT SUISI	JN CUTOFF, SUISUN AND GRIZZLY BA	YS.	
Location Detail	1:1913: LOCATION GIVEN AS "SUISUN BAY	(". 1947: LOCATION GIVEN AS "SUISUI	BAY SHORE, 3 MI S GRIZZLY ISLAND	FERRY; GRIZZLY ISLAN
General:	8 COLL. (CAS) IN 1913. 10 COLL. (MVZ) IN W/MARSH VEGETATION. 854 PRS EST C			
Owner/Manager:	: UNKNOWN			
Occurrence No.	. 20 Map Index: 60149	EO Index: 60259	Date	es Last Seen
Occ Rank:				ent: 2004-06-25
-	Natural/Native occurrence Presumed Extant		5	ite: 2004-06-25
	Unknown		Record Last Upd	ated: 2005-02-24
Quad Summary: County Summary	: Denverton (3812128/481B) : Solano			
-	38.19002º / -121.90834º		Township: 04N	l
UTM: Area:	Zone-10 N4227462 E595597	Mapping PrecisionNON-S	PECIFIC Section: 18	Qtr: XX
Elevation:	4 ft	Symbol Type:POLYG		Sett. AA
Location	: ALONG SLOUGH LOCATED APPROXIMA	TELY 0.5 MILE EAST OF BRADMOOR I	SLAND.	
Location Detail	LOCATION MAPPED ACCORDING TO UT	M COORDINATES GIVEN.		
Ecological	HABITAT CONSISTS OF A BRACKISH MA	RSH VEGETATED BY SCIRPUS SPP.,	TYPHA SPP., AND SALICORNIA VIRGIN	IICA.
General:	1- 6 DETECTED AT 9 DIFFERENT POINTS	S ON 25 JUN 2004.		
Owner/Manager:	: UNKNOWN			
Occurrence No.	. 21 Map Index: 60225	EO Index: 60261	Date	es Last Seen
Occ Rank:	•		Elem	ent: 2004-06-16
•	Natural/Native occurrence		S	ite: 2004-06-16
	Presumed Extant Unknown		Record Last Upd	ated: 2005-02-24
Quad Summary:	: Denverton (3812128/481B)			
County Summary	: Solano			
	38.16726º / -121.96869º Zone-10 N4224875 E590340		Township: 04N Range: 01V	
Area:		Mapping PrecisionNON-S	PECIFIC Section: 27	Qtr: XX
Elevation:	0 ft	Symbol Type:POLYG	ON Meridian: M	
	: SOUTH OF MONTEZUMA SLOUGH, W PC I: MVZ: LOCATION GIVEN AS "NO SPECIFIC COORDINATES GIVEN.			
Ecological	HABITAT CONSISTS OF A BRACKISH MA	RSH VEGETATED BY SCIRPUS SPP.,	TYPHA SPP., AND SALICORNIA VIRGIN	IICA.

Suisun song sparrow			Element Code: ABPBXA301K	
Federal: None State: None	IS	NDDB Element Ranks Global: G5T2 State: S2	CDFG Status: SC	_
	NT OF BRACKISH-WATER MARSHES SUR		FREQUENT TANGLES BORDERING SLOUGHS.	
Occurrence No.	22 Map Index: 59291	<b>EO Index:</b> 60408	Dates Last Seen	
Occ Rank:	•		Element: 2004-0 Site: 2004-0	5-26
	Presumed Extant Unknown		Record Last Updated: 2005-0	3-07
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
-	38.17873º / -121.91102º Zone-10 N4226206 E595377		Township: 04N	
	52.1 acres	Mapping PrecisionSPECIFIC	Range:         01E           C         Section:         19         Qtr:	xx
Elevation:	4 ft	Symbol Type:POLYGO	DN Meridian: M	
Location	AREA SOUTH OF LITTLE HONKER BAY A	ND EAST OF NURSE SLOUGH, NORTH	EASTERN SUISUN MARSH.	
Location Detail	:MAPPED ACCORDING TO UTM COORDIN	IATES GIVEN.		
Ecological	HABITAT CONSISTS OF A BRACKISH MA	RSH. VEGETATION INCLUDES SCIRPUS	S SPP., TYPHA SPP., AND SALICORNIA VIRGINICA	
General:	2-5 DETECTED AT 6 DIFFERENT POINTS	ON 26 MAY 2004.		
Owner/Manager	UNKNOWN			
Occurrence No.	23 Map Index: 59862	EO Index: 60432	Dates Last Seen	
Occ Rank:	•		Element: 2004-0	
-	Natural/Native occurrence		Site: 2004-0	6-12
	Presumed Extant Unknown		Record Last Updated: 2005-0	3-08
-	Fairfield South (3812221/482A)			
County Summary	Solano			
-	38.20185º / -122.06517º		Township: 04N	
Area:	Zone-10 N4228624 E581850	Mapping PrecisionNON-SPI	Range: 02W ECIFIC Section: 10 Qtr:	xx
Elevation:	9 ft	Symbol Type:POLYGO		
	FROM JUST NORTH OF, TO 0.5 MILE SW LOCATION MAPPED ACCORDING TO UTI TRACKS.		TH OF FAIRFIELD DF THIS SITE IS PARALLEL TO THE WEST SIDE OF	THE RAILRO
Ecological	HABITAT CONSISTS OF A BRACKISH MA CURRENT/SURROUNDING LAND USE: AG		RNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.	
General:	5-11 DETECTIONS AT EACH OF 5 DIFFER	ENT POINTS ON 12 JUN 2004.		
Owner/Manager	DFG-GRIZZLY ISLAND WA, UNKNOWN			
Occurrence No.	24 Map Index: 59861	EO Index: 60440	Dates Last Seen	
Occ Rank:	•		Element: 2004-0	
•	Natural/Native occurrence		Site: 2004-0	6-12
	Presumed Extant Unknown		Record Last Updated: 2005-0	3-08
	Fairfield South (3812221/482A)			
County Summary			Township: 04N	
County Summary	38.19031º / -122.06366º		Range: 02W	
County Summary Lat/Long: UTM:	38.19031º / -122.06366º Zone-10 N4227345 E581996		÷	
County Summary Lat/Long:	Zone-10 N4227345 E581996	Mapping PrecisionNON-SP Symbol Type:POLYGO	ECIFIC Section: 14 Qtr:	хX
County Summary Lat/Long: UTM: Area: Elevation:	Zone-10 N4227345 E581996	Symbol Type:POLYGO	ECIFIC Section: 14 Qtr: DN Meridian: M	×x
County Summary Lat/Long: UTM: Area: Elevation: Location	Zone-10 N4227345 E581996 9 ft	Symbol Type:POLYGO	ECIFIC Section: 14 Qtr: DN Meridian: M	×x
County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Zone-10 N4227345 E581996 9 ft : AREA 0.25 MI EAST OF JACKSNIPE AND : MAPPED ACCORDING TO UTM COORDIN	Symbol Type:POLYGO WEST OF SUISUN SLOUGH, 3.8 MILES NATES GIVEN. RSH. VEGETATION INCLUDES SALICOF	ECIFIC Section: 14 Qtr: DN Meridian: M	

Stat	us ————	NDDB Element Ranks	Element Code: ABPBXA301K Other Lists	
Federal: None State: None		Global: G5T2 State: S2	CDFG Stat	us: SC
General: RESIDE	SSOCIATIONS	RROUNDING SUISUN BAY. ES, AND SALICORNIA; ALSO KNOWN TO I	REQUENT TANGLES BORDER	NG SLOUGHS.
Occurrence No Occ Rank: Origin:	•	EO Index: 60441		Dates Last Seen
	Presumed Extant Unknown		Record Last	Updated: 2005-03-08
Quad Summary County Summary	: Fairfield South (3812221/482A) : Solano			
		Mapping PrecisionNON-SPE Symbol Type:POLYGOI		01W 31 <b>Qtr:</b> XX
Location	: SOUTH OF HIGHWAY 12 AND NORTH O	F DUCK SLOUGH, JUST EAST OF SUISUN	I CITY.	
	MI N SUISUN HILL". 2004: MAPPED ACC	SUISUN". MVZ: LOCATIONS GIVEN AS "NE ORDING TO UTM COORDINATES GIVEN.		
-	CURRENT/SURROUNDING LAND USE: /			
	DETECTIONS AT EACH OF EVERY 9 PC	MVZ) IN 1909, 1916, 1921, 1923 AND 1947 INTS ON 13 JUN 2004.	. NUMEROUS SPECIMENS COLI	LECTED (CAS) 1895-1915.
Owner/Manager	: DFG-HILL SLOUGH WA			
Occurrence No		EO Index: 60891		Dates Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence			Element: 1947-04-27 Site: 1947-04-27
Presence	Presumed Extant Unknown		Record Last	Updated: 2005-04-05
Quad Summary County Summary	: Cordelia (3812222/482B), Fairfield South (	3812221/482A)		
	: 38.21157º/-122.12692º		Township:	04N
-	Zone-10 N4229650 E576433		Range:	02W
UTM:				7 Qtr: XX
Radius		Mapping PrecisionNON-SPE		
Radius: Elevation	: 20 ft	Mapping PrecisionNON-SPE Symbol Type:POINT	CIFIC Section: Meridian:	
Radius: Elevation Location	: 20 ft : CORDELIA.	Symbol Type:POINT	Meridian:	
Radius: Elevation Location	: 20 ft : CORDELIA.		Meridian:	
Radius: Elevation Location Location Detai	20 ft : CORDELIA. I: 1910, 1940: LOCATION GIVEN AS "CORI : 1 COLLECTED (MVZ# 17284) ON 1 DEC	Symbol Type:POINT	Meridian:	М
Radius: Elevation Location Location Detai	: 20 ft : CORDELIA. I: 1910, 1940: LOCATION GIVEN AS "CORI : 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947.	Symbol Type:POINT	Meridian:	М
Radius: Elevation Location Detai General Owner/Manager Occurrence No	20 ft CORDELIA. 1: 1910, 1940: LOCATION GIVEN AS "CORI 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947. UNKNOWN . 36 Map Index: 60856	Symbol Type:POINT	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED (	M MVZ# 96791-96794) ON 27 Dates Last Seen
Radius: Elevation Location Detai General: Owner/Manager Occurrence No Occ Rank:	20 ft 2 CORDELIA. 1: 1910, 1940: LOCATION GIVEN AS "CORI 2: 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947. 2: UNKNOWN 3: 36 Map Index: 60856 4: Unknown	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761)	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED (	M MVZ# 96791-96794) ON 27
Radius: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank: Origin Presence:	20 ft CORDELIA. 1: 1910, 1940: LOCATION GIVEN AS "CORI 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947. UNKNOWN . 36 Map Index: 60856	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761)	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED ( 	M MVZ# 96791-96794) ON 27 Dates Last Seen Element: 1946-09-22
Radius: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	: 20 ft : CORDELIA. I: 1910, 1940: LOCATION GIVEN AS "CORI : 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947. : UNKNOWN . 36 Map Index: 60856 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A), Cordelia (	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED ( 	M MVZ# 96791-96794) ON 27 Dates Last Seen Element: 1946-09-22 Site: 1946-09-22
Radius: Elevation Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	: 20 ft : CORDELIA. I: 1910, 1940: LOCATION GIVEN AS "CORI : 1 COLLECTED (MVZ# 17284) ON 1 DEC 1947. : UNKNOWN . 36 Map Index: 60856 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A), Cordelia (	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED ( 	M MVZ# 96791-96794) ON 27 Dates Last Seen — Element: 1946-09-22 Site: 1946-09-22 Updated: 2005-04-05
Radius: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	<ul> <li>20 ft</li> <li>CORDELIA.</li> <li>I: 1910, 1940: LOCATION GIVEN AS "CORI 1947.</li> <li>I COLLECTED (MVZ# 17284) ON 1 DEC 1947.</li> <li>UNKNOWN</li> <li>36 Map Index: 60856</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Fairfield South (3812221/482A), Cordelia ( Solano</li> <li>38.18013° / -122.12220° Zone-10 N4226165 E576879</li> </ul>	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892 3812222/482B)	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED (  Record Last  Township:  Range:	M MVZ# 96791-96794) ON 27 Dates Last Seen Element: 1946-09-22 Site: 1946-09-22 Updated: 2005-04-05
Radius: Elevation Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	<ul> <li>20 ft</li> <li>CORDELIA.</li> <li>I: 1910, 1940: LOCATION GIVEN AS "CORI 1910, 1940: LOCATION GIVEN AS "CORI 1947.</li> <li>I COLLECTED (MVZ# 17284) ON 1 DEC 1947.</li> <li>UNKNOWN</li> <li>36 Map Index: 60856</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Katural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Solano</li> <li>38.18013° / -122.12220° Zone-10 N4226165 E576879</li> <li>1 mile</li> </ul>	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED (  Record Last  Township:  Range:	M MVZ# 96791-96794) ON 27 Dates Last Seen Element: 1946-09-22 Site: 1946-09-22 Updated: 2005-04-05 Updated: 2005-04-05
Radius: Elevation Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation	<ul> <li>20 ft</li> <li>CORDELIA.</li> <li>I: 1910, 1940: LOCATION GIVEN AS "CORI 1910, 1940: LOCATION GIVEN AS "CORI 1947.</li> <li>I COLLECTED (MVZ# 17284) ON 1 DEC 1947.</li> <li>UNKNOWN</li> <li>36 Map Index: 60856</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Katural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Solano</li> <li>38.18013° / -122.12220° Zone-10 N4226165 E576879</li> <li>1 mile</li> </ul>	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892 3812222/482B) Mapping PrecisionNON-SPE	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED ( 	M MVZ# 96791-96794) ON 27 Dates Last Seen Element: 1946-09-22 Site: 1946-09-22 Updated: 2005-04-05 Updated: 2005-04-05
Radius: Elevation Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	<ul> <li>20 ft</li> <li>CORDELIA.</li> <li>I: 1910, 1940: LOCATION GIVEN AS "CORI 1910, 1940: LOCATION GIVEN AS "CORI 1947.</li> <li>I COLLECTED (MVZ# 17284) ON 1 DEC 1947.</li> <li>UNKNOWN</li> <li>36 Map Index: 60856</li> <li>Unknown</li> <li>Natural/Native occurrence</li> <li>Presumed Extant Unknown</li> <li>Fairfield South (3812221/482A), Cordelia ( Solano</li> <li>38.18013° / -122.12220° Zone-10 N4226165 E576879</li> <li>1 mile</li> <li>AREA 3.5 MILES SSE OF CORDELIA.</li> <li>I: 1909, 1946: COLLECTIONS OCCURRED</li> </ul>	Symbol Type:POINT DELIA". 1947: LOCATION GIVEN AS "0.7 M 1910. 5 COLLECTED (MVZ# 86757-86761) EO Index: 60892 3812222/482B) Mapping PrecisionNON-SPE	Meridian: I E CORDELIA". ON 8 JUL 1940. 4 COLLECTED ( 	M MVZ# 96791-96794) ON 27 Dates Last Seen — Element: 1946-09-22 Site: 1946-09-22 Updated: 2005-04-05 04N 02W 19 Qtr: XX M

Suisun song sparrow		E	Element Code: ABPBXA301K		
Stat	us ————	NDDB Element Ranks	Other Lists		
Federal: None		Global: G5T2	CDFG Stat	tus: SC	
State: None		State: S2			
Habitat As	ssociations —				
General: RESIDE	NT OF BRACKISH-WATER MARS	HES SURROUNDING SUISUN BAY.			
Micro: INHABI	TS CATTAILS, TULES AND OTHEF	R SEDGES, AND SALICORNIA; ALSO KNOWN TO FR	REQUENT TANGLES BORDER	ING SLOUG	HS.
Occurrence No	. 40 Map Index: 6	0889 <b>EO Index:</b> 60925		Dates Las	t Seen
Occ Rank:	Unknown			Element:	1927-01-30
Origin:	Natural/Native occurrence			Site:	1927-01-30
•	Presumed Extant				
Trend:	Unknown		Record Las	t Updated:	2005-04-07
Quad Summary	: Fairfield South (3812221/482A)				
County Summary	: Solano				
-	38.15258º / -122.08943º		Township:		
	Zone-10 N4223136 E579780		Range:		
	1/5 mile	Mapping PrecisionNON-SPEC			Qtr: NE
Elevation	9 ft	Symbol Type:POINT	Meridian:	IVI	
Location Detai	DISTANCE: 740 FT. 7 SPECIMENS COLLECTED (CAS	EN AS "SUISUN BAY;CYNGUS". AREA MAPPED AC S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1			
Location Detai General:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA	·		8121, 14812	2) ON 30 JAN 1927.
Location Detai General: Owner/Manager Occurrence No	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA : UNKNOWN . 41 Map Index: 6	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las	2) ON 30 JAN 1927.
Location Detai General: Owner/Manager Occurrence No Occ Rank:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA : UNKNOWN . 41 Map Index: 6 : Good	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element:	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. 7 SPECIMENS COLLECTED (CA: UNKNOWN 41 Map Index: 6 Good Natural/Native occurrence	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element:	2) ON 30 JAN 1927.
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN . 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element: Site:	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. 7 SPECIMENS COLLECTED (CA: UNKNOWN 41 Map Index: 6 Good Natural/Native occurrence	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element: Site:	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A)	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element: Site:	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A)	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	8121, 14812 Dates Las Element: Site:	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.23905° / -122.04768°	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1	1915. 2 COLLECTED (MVZ# 14	Dates Las Element: Site: t Updated: 05N	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA : UNKNOWN 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.23905° / -122.04768° Zone-10 N4232768 E583339	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406	1915. 2 COLLECTED (MVZ# 14  Record Las  Township: Range:	05N 0210, 14812 0210 0210, 14812 0210, 14812 0210, 14812 0210, 14812 0210, 14812 0210, 14812 0210, 14812 0210, 14812 04810 0481200000000000000000000000000000000000	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06 2006-09-25
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. I: 7 SPECIMENS COLLECTED (CA: UNKNOWN 41 Map Index: 6 Good Natural/Native occurrence Presumed Extant Unknown I: Fairfield South (3812221/482A) I: Solano I: 38.23905° / -122.04768° Zone-10 N4232768 E583339	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406 Mapping PrecisionNON-SPEC	1915. 2 COLLECTED (MVZ# 14 	05N 0210, 14812 05N 02W 35	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. I: 7 SPECIMENS COLLECTED (CA: UNKNOWN 41 Map Index: 6 Good Natural/Native occurrence Presumed Extant Unknown I: Fairfield South (3812221/482A) I: Solano I: 38.23905° / -122.04768° Zone-10 N4232768 E583339	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406	1915. 2 COLLECTED (MVZ# 14  Record Las  Township: Range:	05N 0210, 14812 05N 02W 35	2) ON 30 JAN 1927. <b>t Seen</b> 2006-02-06 2006-02-06 2006-09-25
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: Lat/Long: Area: Elevation:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN . 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.23905° / -122.04768° Zone-10 N4232768 E583339 : 5 ft : EAST OF SOUTH PENNSYLVAN	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406 Mapping PrecisionNON-SPEC Symbol Type:POLYGON IA AVENUE, BETWEEN CORDELIA STREET AND HI	1915. 2 COLLECTED (MVZ# 14 	Dates Las Element: Site: t Updated: 05N 02W 35 M	2) ON 30 JAN 1927. t Seen 2006-02-06 2006-09-25 Quer: NE Qtr: NE
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: Lat/Long: Area: Elevation:	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN . 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.23905° / -122.04768° Zone-10 N4232768 E583339 : 5 ft : EAST OF SOUTH PENNSYLVAN	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406 Mapping PrecisionNON-SPEC Symbol Type:POLYGON IA AVENUE, BETWEEN CORDELIA STREET AND HI	1915. 2 COLLECTED (MVZ# 14 	Dates Las Element: Site: t Updated: 05N 02W 35 M	2) ON 30 JAN 1927. t Seen 2006-02-06 2006-09-25 Quer: NE Qtr: NE
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detai	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT. : 7 SPECIMENS COLLECTED (CA: : UNKNOWN . 41 Map Index: 6 : Good : Natural/Native occurrence : Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.23905° / -122.04768° Zone-10 N4232768 E583339 : 5 ft : EAST OF SOUTH PENNSYLVAN I: SITE IS SURROUNDED BY SUBL PASTURE LAND AND ESTUARY	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406 Mapping PrecisionNON-SPEC Symbol Type:POLYGON IA AVENUE, BETWEEN CORDELIA STREET AND HIV JRBAN DEVELOPMENT TO THE NORTH AND EAST TO THE SOUTH. ATIVE GRASSLAND, SEASONAL/PERENNIAL MARS	1915. 2 COLLECTED (MVZ# 14 Record Lass Township: Range: SIFIC Section: Meridian: GHWAY 12, SOUTH OF FAIRF , PASTURE LAND AND LIGHT	8121, 14812 Dates Las Element: Site: t Updated: 05N 02W 35 M 'IELD AND V INDUSTRIA	2) ON 30 JAN 1927. t Seen 2006-02-06 2006-09-25 Qtr: NE Qtr: NE VEST OF SUISUN CI IL TO THE WEST, AN
Location Detai General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detai	I: 1914-1915, 1927: LOCATION GIV DISTANCE: 740 FT.     7 SPECIMENS COLLECTED (CA: UNKNOWN     41 Map Index: 6     Good     Natural/Native occurrence     Presumed Extant     Unknown     Fairfield South (3812221/482A)     Solano     38.23905° / -122.04768°     Zone-10 N4232768 E583339     5 ft     EAST OF SOUTH PENNSYLVANI I: SITE IS SURROUNDED BY SUBL     PASTURE LAND AND ESTUARY     HABITAT CONSISTS OF NON-NA	S #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1 6304 EO Index: 66406 Mapping PrecisionNON-SPEC Symbol Type:POLYGON IA AVENUE, BETWEEN CORDELIA STREET AND HIM JRBAN DEVELOPMENT TO THE NORTH AND EAST TO THE SOUTH. ATIVE GRASSLAND, SEASONAL/PERENNIAL MARS ANAGE CHANNELS.	1915. 2 COLLECTED (MVZ# 14 Record Lass Township: Range: SIFIC Section: Meridian: GHWAY 12, SOUTH OF FAIRF , PASTURE LAND AND LIGHT	8121, 14812 Dates Las Element: Site: t Updated: 05N 02W 35 M 'IELD AND V INDUSTRIA	2) ON 30 JAN 1927. t Seen 2006-02-06 2006-09-25 Qtr: NE Qtr: NE VEST OF SUISUN CI IL TO THE WEST, AN

Baker's navarretia			ode: PDPLM0C0E1
Federal: None State: None	21.	NDDB Element Ranks Global: G4T2 State: S2.1	CNPS List: 1B.1
	ssociations		
	NTANE WOODLAND, MEADOWS AND SEE L POOLS AND SWALES; ADOBE OR ALKA	PS, VERNAL POOLS, VALLEY AND FOOTHILL GRAS LINE SOILS. 5-950M.	SLAND, LOWER MONTANE CONIFEROUS FOREST
Occurrence No.	. 12 Map Index: 30008	EO Index: 4688	Dates Last Seen
Occ Rank: Origin:	Unknown Natural/Native occurrence		Element:1963-06-24Site:1963-06-24
	Presumed Extant Unknown		Record Last Updated: 2005-03-03
Quad Summary: County Summary:	: Dozier (3812137/498D) : Solano		
Lat/Long:	38.27077°/-121.82372°		Township: 05N
	Zone-10 N4236512 E602894	Manning ProvisionNON SPECIEIC	Range: 01E
Elevation:	2/5 mile : 15 ft	Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Section: 24 Qtr: XX Meridian: M
		DOZIER STATION, 12 MILES SOUTH OF DIXON.	
		Y TNC'S JEPSON PRAIRIE PRESERVE; TRANSFER	RED TO SOLANO COUNTY FARMLANDS & OPEN
Ecological	ALKALINE SOIL, MARGIN OF LARGE INT	ERMITTENT LAKE; ASSOCIATED WITH LIPPIA.	
General:	KNOWN FROM THREE COLLECTIONS B	Y CRAMPTON; #4998 IN 1958, #5904 IN 1961, AND #6	6854 IN 1963. ID IS UNCERTAIN.
Owner/Manager:	: SOLANO LAND TRUST		
Occurrence No.	. 27 Map Index: 53720	EO Index: 53720	Dates Last Seen
Occ Rank:	•		Element: 2003-04-XX
Origin:	Natural/Native occurrence		Site: 2003-04-XX
	Presumed Extant Unknown		Record Last Updated: 2005-03-04
Quad Summary:	: Saxon (3812146/497B)		
County Summary:	: Yolo		
	38.43566°/-121.66900°		Township: 07N
	Zone-10 N4254993 E616165 62.5 acres	Mapping PrecisionSPECIFIC	Range: 03E Section: 20 Qtr: N
Elevation:		Symbol Type:POLYGON	Meridian: M
Location	: GLIDE TULE ECOLOGICAL RESERVE, E	AST OF THE SACRAMENTO NORTHERN CANAL, WE	ST EDGE OF THE YOLO BYPASS.
Location Detail	I:NUMEROUS PLANTS SCATTERED THRO	DUGHOUT THE E 1/2 OF SECTION 19 AND THE W 1/2	2 OF SECTION 20.
Ecological	: OCCURRING IN VERNAL POOLS AND IN GLABRATA, AND LOLIUM MULTIFLORUM	MESIC GRASSLAND. ASSOCIATES INCLUDE POGC /l.	OGYNE DOUGLASII, LASTHENIA FREMONTII, L.
General:	MORE THAN 1000 PLANTS OBSERVED I	N 2003 BY WITHAM.	
Owner/Manager:	: DPR-TULE ELK SR		
Occurrence No.	. 28 Map Index: 54550	EO Index: 54550	Dates Last Seen
Occ Rank:	Good	EO Index: 54550	Element: 2003-05-20
Occ Rank: Origin:	Good Natural/Native occurrence	EO Index: 54550	
Occ Rank: Origin: Presence:	Good	<b>EO Index:</b> 54550	Element: 2003-05-20
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant	<b>EO Index:</b> 54550	Element:         2003-05-20           Site:         2003-05-20
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)	<b>EO Index:</b> 54550	Element:         2003-05-20           Site:         2003-05-20
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128°	<b>EO Index:</b> 54550	Element:         2003-05-20           Site:         2003-05-20           Record Last Updated:         2004-03-03           Township:         05N
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723		Element:         2003-05-20           Site:         2003-05-20           Record Last Updated:         2004-03-03           Township:         05N           Range:         01E
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723 8.5 acres	EO Index: 54550 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element:         2003-05-20           Site:         2003-05-20           Record Last Updated:         2004-03-03           Township:         05N
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723 8.5 acres : 40 ft	Mapping PrecisionSPECIFIC	Element: 2003-05-20 Site: 2003-05-20 Record Last Updated: 2004-03-03 Township: 05N Range: 01E Section: 16 Qtr: <i>N</i>
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation: Location:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723 8.5 acres : 40 ft : APPROXIMATELY 2.5 AIRMILE WEST OF	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element: 2003-05-20 Site: 2003-05-20 Record Last Updated: 2004-03-03 Township: 05N Range: 01E Section: 16 Qtr: <i>N</i>
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation: Location Detail	Good Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723 8.5 acres : 40 ft : APPROXIMATELY 2.5 AIRMILE WEST OF I: ONE COLONY LOCATED IN THE CENTE! : LARGE PLAYA POOL ON PESCADERO C	Mapping PrecisionSPECIFIC Symbol Type:POLYGON OLCOTT, 0.5 AIRMILE SOUTH OF RAILROAD.	Element: 2003-05-20 Site: 2003-05-20 Record Last Updated: 2004-03-03 Township: 05N Range: 01E Section: 16 Qtr: <i>N</i> Meridian: M
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological:	Good Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.27851° / -121.87128° Zone-10 N4237320 E598723 8.5 acres : 40 ft : APPROXIMATELY 2.5 AIRMILE WEST OF : ONE COLONY LOCATED IN THE CENTE : LARGE PLAYA POOL ON PESCADERO O PSILOCARPHUS BREVISSIMUS, DOWNI SACCATUS.	Mapping PrecisionSPECIFIC Symbol Type:POLYGON OLCOTT, 0.5 AIRMILE SOUTH OF RAILROAD. R OF THE WESTERN HALF OF SECTION 16. CLAY LOAM WITH OTHER VERNAL POOLS SPECIES	Element: 2003-05-20 Site: 2003-05-20 Record Last Updated: 2004-03-03 Township: 05N Range: 01E Section: 16 Qtr: <i>N</i> Meridian: M

Baker's navarretia			Element Code: PDPLM0C		
Federal: None State: None		NDDB Element Ranks     Global: G4T2     State: S2.1	CN	IPS List: 1B.1	
	SOCIATIONS		FOOTHILL GRASSLAND, LOWER	R MONTANE C	ONIFEROUS FOREST
Occurrence No. Occ Rank:		EO Index: 5457	5		1884-05-31
Presence:	Natural/Native occurrence Possibly Extirpated Unknown		Record	Site: I Last Updated	1884-05-31 : 2005-09-20
Quad Summary: County Summary	Elmira (3812138/498C) Solano				
UTM: Radius:	38.32825º / -121.96125º Zone-10 N4242747 E590791 3/5 mile	Mapping PrecisionNO	Rai N-SPECIFIC Sec	ship: 06N nge: 01W tion: 34	Qtr: XX
Elevation: Location	150 ft LITTLE OAK, NEAR VACAVILLE.	Symbol Type:PO	NT Meric	dian: M	
	MAPPED IN THE HISTORICAL VICINIT			( RD AND SOU	TH OF ALAMO DR.
Owner/Manager:	UNKNOWN				
•		EO Index: 5458(	)	Element:	1962-05-26 1962-05-26
	Unknown		Record	Last Updated	2004-03-08
Quad Summary: County Summary	Elmira (3812138/498C) Solano				
-	38.34296° / -121.91588° Zone-10 N4244424 E594739	Mapping PrecisionNO Symbol Type:PO	Rai N-SPECIFIC Sec	ship: 06N nge: 01W tion: 25 dian: M	Qtr: XX
	0.5 MILE SOUTHWEST OF ELMIRA, AL EXACT LOCATION UNKNOWN, MAPPE				
-	DRIED VERNAL POOL ALONG RAILRO MAIN INFO FOR THIS SITE IS 1962 CO FROM ELMIRA ALSO ATTRIBUTED HE	LLECTION BY BACIGALUPI FROM "0.	5 MI SW OF ELMIRA," 1903 BAKE	R COLLECTIO	N (#2897 UC #75155)
Owner/Manager:	UNKNOWN				
•	•	EO Index: 5458/	2	Element:	1924-05-08 1924-05-08
Trend:	Unknown		Record	Last Updated	2004-03-05
County Summary		2100/5746)			
		Mapping PrecisionNO Symbol Type:PO	Rai N-SPECIFIC Sec	ship: 08N nge: 01W tion: 26 dian: M	Qtr: XX
Location Detail	WOLFSKILL STA., NORTHWEST SOLA EXACT LOCATION UNKNOWN, MAPPE BOTTOMS OF WINTER POOLS.		KILL SCHOOL.		
General:	ONLY SOURCE OF INFORMATION IS 1	1924 COLLECTION BY JEPSON. NEED	S FIELDWORK.		

				Element Code: PDPLM0C0E1		
Federal: None State: None	us ———		NDDB Element Ranks     Global: G4T2     State: S2.1	Other Lists CNPS	List: 1B.1	
	sociations —					
		D. MEADOWS AND	SEEPS, VERNAL POOLS, VALLEY AND FOOTH	HILL GRASSLAND, LOWER M	ONTANE CO	ONIFEROUS FORES
			LKALINE SOILS. 5-950M.	, .		
Occurrence No.	. 38	Map Index: 60344	EO Index: 60380		<ul> <li>Dates La</li> </ul>	st Seen
Occ Rank:					Element:	
•	Natural/Native occ Presumed Extant	urrence			Site:	2002-04-26
	Unknown			Record La	st Updated:	2005-03-04
-	Dozier (3812137/4	98D)				
County Summary						
-	38.29973º / -121.7 Zone-10 N423975			Township		
	2/5 mile	7 2005290	Mapping PrecisionNON-SPEC	-	: 02E : 07	Qtr: N
			mapping i reelerentent et Et			
	GRIDLEY RANCH		Symbol Type:POINT INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM			
Location	GRIDLEY RANCH		INTERSECTION OF HASTING RD & SALEM R	RD.		
Location General:	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN		INTERSECTION OF HASTING RD & SALEM R	RD.		st Seen
Location General: Owner/Manager	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN . 41	DF INFO FOR THIS L	INTERSECTION OF HASTING RD & SALEM R	RD.	– Dates La Element:	1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin:	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN . 41 Unknown Natural/Native occ	Map Index: 24739	INTERSECTION OF HASTING RD & SALEM R	RD.	– Dates La Element:	
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN . 41 Unknown	Map Index: 24739	INTERSECTION OF HASTING RD & SALEM R	RD. IESHCH. NEEDS FIELDWORK	- Dates La Element: Site:	1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN 41 Unknown Natural/Native occ Possibly Extirpated Unknown : Elmira (3812138/4)	Map Index: 24739	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645	RD. IESHCH. NEEDS FIELDWORK	- Dates La Element: Site:	1916-04-22 1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN 41 Unknown Natural/Native occ Possibly Extirpated Unknown : Elmira (3812138/4) : Solano	Map Index: 24739 urrence 98C), Fairfield North	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645	RD. IESHCH. NEEDS FIELDWORK	- Dates La Element: Site: st Updated:	1916-04-22 1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	GRIDLEY RANCH ONLY SOURCE O UNKNOWN 41 Unknown Natural/Native occ Possibly Extirpated Unknown Elimira (3812138/4 Solano 38.35642º / -121.9	Map Index: 24739 urrence d 98C), Fairfield North	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645	RD. IESHCH. NEEDS FIELDWORK 	- Dates La Element: Site: st Updated: p: 06N	1916-04-22 1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	GRIDLEY RANCH ONLY SOURCE O UNKNOWN  41 Unknown Natural/Native occ Possibly Extirpated Unknown Elmira (3812138/4) Solano  38.35642º / -121.9 Zone-10 N424584	Map Index: 24739 urrence d 98C), Fairfield North	E INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645 (3812231/499D)	2D. IESHCH. NEEDS FIELDWORK Record La Township Range	- Dates La Element: Site: st Updated: b: 06N : 01W	1916-04-22 1916-04-22 2005-09-20
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	CRIDLEY RANCH ONLY SOURCE O UNKNOWN  41 Unknown Natural/Native occ Possibly Extirpated Unknown EImira (3812138/4) Solano  38.35642º / -121.9 Zone-10 N424584 1 mile	Map Index: 24739 urrence d 98C), Fairfield North	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645	2D. IESHCH. NEEDS FIELDWORK Record La Township Range	- Dates La Element: Site: st Updated: b: 06N : 01W : 20	1916-04-22 1916-04-22
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	CRIDLEY RANCH ONLY SOURCE O UNKNOWN  41 Unknown Natural/Native occ Possibly Extirpated Unknown EImira (3812138/4) Solano  38.35642º / -121.9 Zone-10 N424584 1 mile	Map Index: 24739 urrence d 98C), Fairfield North	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645 (3812231/499D) Mapping PrecisionNON-SPEC	ED. IESHCH. NEEDS FIELDWORK Record La Township Range CIFIC Section	- Dates La Element: Site: st Updated: b: 06N : 01W : 20	1916-04-22 1916-04-22 2005-09-20
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN 41 Unknown Natural/Native occ Possibly Extirpated Unknown : Elmira (3812138/4 : Solano : 38.35642º / -121.9 Zone-10 N424584 1 mile : 180 ft : VACAVILLE.	Map Index: 24739 urrence 98C), Fairfield North 98869° 5 E588359	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645 (3812231/499D) Mapping PrecisionNON-SPEC	ED. IESHCH. NEEDS FIELDWORK Record La Township Range CIFIC Section	- Dates La Element: Site: st Updated: p: 06N : 01W : 20	1916-04-22 1916-04-22 2005-09-20
Location General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detail	: GRIDLEY RANCH ONLY SOURCE O : UNKNOWN 41 Unknown Natural/Native occ Possibly Extirpated Unknown : Elmira (3812138/4 : Solano : 38.35642º / -121.9 Zone-10 N424584 1 mile : 180 ft : VACAVILLE.	Map Index: 24739 urrence 98C), Fairfield North 98869° 5 E588359 N UNKNOWN. MAPF	INTERSECTION OF HASTING RD & SALEM R OCATION IS A 2002 COLLECTION BY SOLOM EO Index: 62645 (3812231/499D) Mapping PrecisionNON-SPEC Symbol Type:POINT	ED. IESHCH. NEEDS FIELDWORK Record La Township Range CIFIC Section	- Dates La Element: Site: st Updated: p: 06N : 01W : 20	1916-04-22 1916-04-22 2005-09-20

				Element	Code: PMPOA4C010		
State			NDDB Element Ranks		Other Lists		
Federal: Threater			Global: G3		CNPS List	: 1B.1	
State: Endange			State: \$3.1				
General: VERNA	ssociations —						
			OL BOTTOMS; ADOBE SOILS.	E 110M			
	ET IN EARGE, OR	DEEF VERNALFC	OE BOTTOMIS, ADOBE SOIES.	. 5-1100.			
Occurrence No.	. 19	Map Index: 105	51 EO Inc	dex: 6794	— Da	ates Last	Seen
Occ Rank:	Good				Ele	ement: 2	2007-XX-XX
	Natural/Native of					Site: 2	2007-XX-XX
	Presumed Extan	nt			Record Last U	ndatod.	2008-02-13
Trend:	Fluctuating				Record Last of	pualeu. 2	2000-02-13
Quad Summary	Dozier (3812137	7/498D)					
County Summary	: Solano						
Lat/Long	38.27125º / -121	1.822340			Township: 0	5N	
	Zone-10 N42365	567 E603014			Range: 0		
	28.4 acres			recisionSPECIFIC	Section: 1		Qtr: SW
Elevation	: 18 ft		Symbo	ol Type:POLYGON	Meridian: N	1	
Location	OLCOTT LAKE,	ON EAST SIDE OF	COOK LANE WITHIN JEPSON	PRAIRIE.			
Location Detail			VEST FENCE IN MID-LAKE. FC ACE ON 8/97. TNC RETAINS C				
Ecological			RO CLAY SOILS. WITH FRANKE SIS VALLICOLA, ERYNGIUM A				
C C	NODIFLORA, CF	RESSA TRUXILLEN		RISTULATUM, MALVELLA	LEPROSA, AND ELEOCH	IARIS MAG	
Threat:	NODIFLORA, CF SHEEP GRAZIN : 1980: 1001-1000	RESSA TRUXILLEN IG (FORMER THRE 00 PLANTS; '82: 100	SIS VALLICOLA, ERYNGIUM A	RISTULATUM, MALVELLA  FLORA THREATEN. SITE  2: >100,000; '93: 10000; '94	LEPROSA, AND ELEOCH	IARIS MAG 99.	CROSTACHY
Threat: General:	NODIFLORA, CF SHEEP GRAZIN : 1980: 1001-1000	RESSA TRUXILLEN IG (FORMER THRE 00 PLANTS; '82: 100 000; '01: 10000; '02-	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92	RISTULATUM, MALVELLA  FLORA THREATEN. SITE  2: >100,000; '93: 10000; '94	LEPROSA, AND ELEOCH	IARIS MAG 99.	CROSTACHY
Threat: General: Owner/Manager	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND	RESSA TRUXILLEN IG (FORMER THRE, 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300	iaris Mag 99. 000; '97: 2	CROSTAČHYA 20000; '98: ~1 M
Threat: General: Owner/Manager Occurrence No.	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND	RESSA TRUXILLEN IG (FORMER THRE 00 PLANTS; '82: 100 000; '01: 10000; '02-	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA  FLORA THREATEN. SITE  2: >100,000; '93: 10000; '94	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300	IARIS MAG 99. 000; '97: 2 ates Last	CROSTAČHY/ 20000; '98: ~1 I
Threat: General: Owner/Manager Occurrence No. Occ Rank:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300	IARIS MAG 99. 000; '97: 2 ates Last ement: 1	CROSTAČHY/ 20000; '98: ~1 I Seen
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; 00: 100,0 SOLANO LAND . 48 Good Natural/Native of Presumed Extan	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele	ARIS MAG 99. 000; '97: 2 ates Last ement: 1 Site: 1	CROSTACHY/ 20000; '98: ~1 I Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND 48 Good Natural/Native oo	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300	ARIS MAG 99. 000; '97: 2 ates Last ement: 1 Site: 1	CROSTACHY/ 20000; '98: ~1 I Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; 00: 100,0 SOLANO LAND . 48 Good Natural/Native of Presumed Extan	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST <b>Map Index:</b> 249 ccurrence it	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele	ARIS MAG 99. 000; '97: 2 ates Last ement: 1 Site: 1	CROSTACHY/ 20000; '98: ~1 I Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND . 48 Good Natural/Native or Presumed Extan Unknown : Dozier (3812137	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST <b>Map Index:</b> 249 ccurrence it	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele	ARIS MAG 99. 000; '97: 2 ates Last ement: 1 Site: 1	CROSTACHY/ 20000; '98: ~1 I Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND 48 Good Natural/Native or Presumed Extan Unknown Dozier (3812137, Solano	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence it	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele Record Last Uj	IARIS MAG 39. 000; '97: 2 ates Last ment: 1 Site: 1 pdated: 1	CROSTACHY/ 20000; '98: ~1 l Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND . 48 Good Natural/Native or Presumed Extan Unknown : Dozier (3812137	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence tt 7/498D) 1.87042°	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele	ARIS MAG 99. 000; '97: 2 entes Last entent: 1 Site: 1 pdated: 1 5N	CROSTACHYA 20000; '98: ~1 M Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND . 48 Good Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.25545°/-121	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence nt 7/498D) 1.87042°	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '9; 04: 100,000; '05: 1000+; '06: 100 88 EO Inc	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE.	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 D; Ele Record Last U; Township: 0	ARIS MAG 99. 0000; '97: 2 entes Last prent: 1 Site: 1 pdated: 1 5N 1E	CROSTACHYA 20000; '98: ~1 M Seen 1986-07-03 1992-XX-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND 48 Good Natural/Native of Presumed Extan Unknown Dozier (3812137 Solano 38.25545° / -121 Zone-10 N42347 80 meters	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence nt 7/498D) 1.87042°	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100 88 EO Inc Mapping Pr	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 0+; '07: NONE. dex: 6311	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 — D; Ele Record Last U; Township: 0 Range: 0	ARIS MAG 99. 0000; '97: 2 ates Last prent: 1 Site: 1 pdated: 1 5N 1E 8	CROSTACHY/ 20000; '98: ~1 I 1986-07-03 1992-XX-XX 1995-06-14
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius: Elevation:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND . 48 Good Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.25545°/ -121 Zone-10 N42347 80 meters : 35 ft	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence tt 7/498D) 1.87042 <sup>o</sup> 761 E598830	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100 88 EO Inc Mapping Pr Symbo	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 D+; '07: NONE. dex: 6311 recisionSPECIFIC ol Type:POINT	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 — Di Ele Record Last Uj Township: 0 Range: 0 Section: 2	ARIS MAG 99. 0000; '97: 2 ates Last prent: 1 Site: 1 pdated: 1 5N 1E 8	CROSTACHY/ 20000; '98: ~1 f 2986-07-03 1996-07-03 1992-XX-XX 1995-06-14
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 : SOLANO LAND . 48 Good Natural/Native or Presumed Extan Unknown : Dozier (3812137 : Solano : 38.25545°/ -121 Zone-10 N42347 80 meters : 35 ft : SOUTHWEST O	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence tt 7/498D) 1.87042° 761 E598830 DF OLCOTT LAKE, II	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100 88 EO Inc 88 EO Inc Mapping Pr Symbo	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 D+; '07: NONE. dex: 6311 recisionSPECIFIC ol Type:POINT DOL".	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 —— D; Ele Record Last Uj Township: 0 Range: 0 Section: 2 Meridian: M	ARIS MAG 99. 0000; '97: 2 ates Last prent: 1 Site: 1 pdated: 1 5N 1E 8	CROSTAĊHYA 20000; '98: ~1 M 986-07-03 1992-XX-XX 1995-06-14
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation Location Detail	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND 48 Good Natural/Native of Presumed Extan Unknown Dozier (3812137 Solano 38.25545° / -121 Zone-10 N42347 80 meters 35 ft SOUTHWEST O 1:3.4 KM (2.1 MI) S IN LARGE SALIN ERYNGIUM ARI	RESSA TRUXILLEN IG (FORMER THRE. 20 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence at 7/498D) 1.87042° 761 E598830 DF OLCOTT LAKE, II SOUTH OF THE SA	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100 88 EO Inc Mapping Pr Symbo	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 D+; '07: NONE. dex: 6311 dex: 6311 Col Type:POINT OOL". RACKS AND 5.7 KM (3.5 M SSOCIATED WITH TUCTO	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 —— D; Ele Record Last U; Township: 0 Range: 0 Section: 2 Meridian: M	ARIS MAG 99. 000; '97: 2 enters Last enters 1 501 501 501 501 501 4 501 501 501 501 501 501 501 501	CROSTACHY/ 20000; '98: ~1 f 1986-07-03 1992-XX-XX 1995-06-14 Qtr: NE RANDIFOLIA,
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation Location Location Detail Ecological	NODIFLORA, CF SHEEP GRAZIN 1980: 1001-1000 50000; '00: 100,0 SOLANO LAND 48 Good Natural/Native or Presumed Extan Unknown Dozier (3812137, Solano 38.25545° / -121 Zone-10 N42347 80 meters 35 ft SOUTHWEST O 1:3.4 KM (2.1 MI) S : IN LARGE SALIN ERYNGIUM ARI: THIS AREA.	RESSA TRUXILLEN IG (FORMER THRE. 00 PLANTS; '82: 100 000; '01: 10000; '02- TRUST Map Index: 249 ccurrence tt 7/498D) 1.87042° 761 E598830 DF OLCOTT LAKE, II SOUTH OF THE SA NE-ALKALINE PLAY ISTULATUM, SIDA F	SIS VALLICOLA, ERYNGIUM A AT) & INVASIVE PHYLLA NODI 100+; '85: 3.7 MIL; '91: 15000; '92 04: 100,000; '05: 1000+; '06: 100 88 EO Inc 88 EO Inc N "NEXT LARGEST VERNAL PC CRAMENTO NORTHERN RR T 'A IN ANNUAL GRASSLAND. A	RISTULATUM, MALVELLA IFLORA THREATEN. SITE 2: >100,000; '93: 10000; '94 D+; '07: NONE. dex: 6311 dex: 6311 recisionSPECIFIC ol Type:POINT OOL". RACKS AND 5.7 KM (3.5 M SSOCIATED WITH TUCTO ENOIDES, AND DISTICHLI:	LEPROSA, AND ELEOCH NOT GRAZED IN 1995-199 : 1000; '95: >1 MIL; '96: 300 —— D; Ele Record Last U; Township: 0 Range: 0 Section: 2 Meridian: M II) WEST OF HWY 113. RIA MUCRONATA, FRANI S SPICATA. DELTA GREE	ARIS MAG 99. 000; '97: 2 ates Last penent: 1 Site: 1 pdated: 1 5N 1E 8 1 KENIA GR N GROUN	CROSTACHY/ 20000; '98: ~1 f 2986-07-03 1996-07-03 1992-XX-XX 1995-06-14 Qtr: NE Qtr: NE RANDIFOLIA, ND BEETLES /

				Element	Code: PMPOA4C010  Other Lists	
Federal: Threate			— NDDB Element Ranks — Global: G3		CNPS List: 1B.	1
State: Endang			State: S3.1			
Habitat A	ssociations —					
General: VERNA	L POOLS.					
Micro: USUAL	LY IN LARGE, OR	DEEP VERNAL POOL	BOTTOMS; ADOBE SOILS. 5-11	10M.		
Occurrence No	. 49	Map Index: 25596	EO Index:	5744	Dates I	Last Seen
Occ Rank						: 2005-08-05
-	Natural/Native or				Site	: 2005-08-05
	<ul> <li>Presumed Extant Unknown</li> </ul>	t			Record Last Update	<b>d:</b> 2008-01-10
	: Saxon (3812146/	(497B)				
County Summary		(497B)				
Lat/Long	38.49163º / -121	.68587°			Township: 08N	
	Zone-10 N42611	83 E614604			Range: 03E	
	2.0 acres		Mapping Precisi		Section: 31	Qtr: SE
Elevation	: 25 ft		Symbol Ty	pe:POLYGON	Meridian: M	
Location	: DAVIS AIR FOR	CE COMMUNICATION	FACILITY. 4 MI S OF INTERSTA	TE 80, E OF RD 104, E	BETWEEN RD 34 AND RD 35.	
Location Detai	I:DAVIS COMMUN	NICATIONS ANNEX. PO	OPULATION IS IN DRAINAGE IN	THE SOUTHERN POI	RTION OF THE FACILITY. IN PO	OOL #9.
Ecologica	I: PLAYA TYPE VE	RNAL POOL ON LOW	AREA ON PESCADERO CLAY L	OAM ASSOCIATED \		EDEMONITH
			MYOSURUS, LEPIDIUM LATIFOL			
Threat	PLAGIOBOTHRY MUCRONATA.	YS, PSILOCARPHUS, M		IUM, CRYPSIS SCHC	ENOIDES, CRESSA TRUXILLE	NSIS, & TUCTORIA
	PLAGIOBOTHR' MUCRONATA. : HERBICIDE RUN : SEVERAL THOU	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE	MYOSURUS, LEPIDIUM LATIFOL	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, ~	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO	NSIS, & TUCTORIA
General	PLAGIOBOTHR' MUCRONATA. : HERBICIDE RUN : SEVERAL THOU	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE DRTED IN SEPTEMBER	NYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, ~	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO	NSIS, & TUCTORIA
General	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOU AND >100 REPC : DOD-MCCLELLA	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE DRTED IN SEPTEMBER	NYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO -1,000 PLANTS IN UPPER POO O #58.	NSIS, & TUCTORIA
General Owner/Manager	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELLA	YS, PSILOCARPHUS, M N-OFF AND INVASION ISAND PLANTS OBSE RTED IN SEPTEMBEF AN AFB	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO .1,000 PLANTS IN UPPER POO O #58. —— Dates I	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A
General Owner/Manager Occurrence No Occ Rank Origin	PLAGIOBOTHR' MUCRONATA. HERBICIDE RUN SEVERAL THOL AND >100 REPC DOD-MCCLELLA 58 Good Natural/Native oc	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE JRTED IN SEPTEMBER AN AFB Map Index: 25471 scurrence	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO .1,000 PLANTS IN UPPER POO O #58. —— Dates I	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A Last Seen 1: 2004-07-06
General Owner/Manager Occurrence No Occ Rank: Origin Presence:	PLAGIOBOTHRY MUCRONATA. HERBICIDE RUN SEVERAL THOL AND >100 REPC DOD-MCCLELLA . 58 Good	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE JRTED IN SEPTEMBER AN AFB Map Index: 25471 scurrence	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO 0 #58. — Dates I Element	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AI Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	PLAGIOBOTHRY MUCRONATA. HERBICIDE RUN SEVERAL THOL AND >100 REPC DOD-MCCLELLA 58 Good Natural/Native oc Presumed Extant	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE RTED IN SEPTEMBER AN AFB Map Index: 25471 courrence t	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO O #58. — Dates I Element Site	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AI Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend:	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELL/ . 58 : Good : Natural/Native oc : Presumed Extam Unknown : Saxon (3812146)	YS, PSILOCARPHUS, N N-OFF AND INVASION JSAND PLANTS OBSE RTED IN SEPTEMBER AN AFB Map Index: 25471 courrence t	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO O #58. — Dates I Element Site	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AI Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence Trend: Quad Summary County Summary	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELL/ . 58 : Good : Natural/Native oc : Presumed Extam Unknown : Saxon (3812146)	YS, PSILOCARPHUS, M N-OFF AND INVASION ISAND PLANTS OBSE RTED IN SEPTEMBER AN AFB Map Index: 25471 scurrence t	VYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO 1,000 PLANTS IN UPPER POO O #58. — Dates I Element Site	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AI Last Seen
General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELL/ . 58 : Good : Natural/Native oc : Presumed Extann Unknown : Saxon (3812146/ : Yolo : 38.49621°/ -121 Zone-10 N42617	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE DRTED IN SEPTEMBER AN AFB Map Index: 25471 ccurrence t (497B) .67772°	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE ? 2001; 2,208 PLANTS IN 2004 BI EO Index:	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. — Dates I Element Site Record Last Update Township: 08N Range: 03E	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A Last Seen 12 2004-07-06 12 2004-07-06 12 2008-01-10
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius:	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELLA . 58 : Good : Natural/Native oc : Presumed Extant Unknown : Saxon (3812146) : Yolo : 38.49621°/ -121 Zone-10 N42617 0 mile	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE DRTED IN SEPTEMBER AN AFB Map Index: 25471 ccurrence t (497B) .67772°	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE ? 2001; 2,208 PLANTS IN 2004 BI EO Index:	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800 onSPECIFIC	ENOIDES, CRESSA TRUXILLE POTENTIALLY CRYPSIS SCHO .1,000 PLANTS IN UPPER POO O #58. —— Dates I Element Site Record Last Update Township: 08N Range: 03E Section: 31	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AI Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM:	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELLA . 58 : Good : Natural/Native oc : Presumed Extant Unknown : Saxon (3812146) : Yolo : 38.49621°/ -121 Zone-10 N42617 0 mile	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE DRTED IN SEPTEMBER AN AFB Map Index: 25471 ccurrence t (497B) .67772°	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE ? 2001; 2,208 PLANTS IN 2004 BI EO Index:	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. — Dates I Element Site Record Last Update Township: 08N Range: 03E	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A Last Seen 12 2004-07-06 12 2004-07-06 12 2008-01-10
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOU AND >100 REPC : DOD-MCCLELLA . 58 : Good : Natural/Native oc : Presumed Extant Unknown : Saxon (381214667 : Yolo : 38.49621°/ -121 Zone-10 N42617 0 mile : 25 ft : IN DRAINAGE O	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE ORTED IN SEPTEMBER AN AFB Map Index: 25471 Scurrence t (497B) .67772° '01 E615308	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI EO Index: Mapping Precisi Symbol Tyj THE DAVIS AIR FORCE COMMU	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800 000SPECIFIC pe:POLYGON JNICATIONS FACILIT	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. <b>—— Dates I</b> Element Site Record Last Update <b>Township:</b> 08N Range: 03E Section: 31 Meridian: M Y, 2.5 MILES NNW OF SAXON.	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AU Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOU AND >100 REPC : DOD-MCCLELLA . 58 : Good : Natural/Native oc : Presumed Extant Unknown : Saxon (381214667 : Yolo : 38.49621°/ -121 Zone-10 N42617 0 mile : 25 ft : IN DRAINAGE O	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE INTED IN SEPTEMBER AN AFB Map Index: 25471 ccurrence t (497B) 01 E615308 IN THE EAST SIDE OF IILES SOUTH OF DAVI	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI EO Index: Mapping Precisi Symbol Typ	IUM, CRYPSIS SCHO JM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800 000SPECIFIC pe:POLYGON JNICATIONS FACILIT	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. <b>—— Dates I</b> Element Site Record Last Update <b>Township:</b> 08N Range: 03E Section: 31 Meridian: M Y, 2.5 MILES NNW OF SAXON.	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN AU Last Seen
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary County Summary County Summary County Summary County Summary County Summary County Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELL/ . 58 : Good : Natural/Native oc : Presumed Extant Unknown : Saxon (3812146/ : Yolo : 38.49621°/ -121 Zone-10 N42617 : O mile : 25 ft : IN DRAINAGE O II: FACILITY IS 4 M SECTION 31. IN : PLAYA TYPE VE	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE INTED IN SEPTEMBER AN AFB Map Index: 25471 courrence t (497B) (01 E615308 (01 E615308) (01 THE EAST SIDE OF ILLES SOUTH OF DAVI POOL #3. (2000) (200	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE R 2001; 2,208 PLANTS IN 2004 BI EO Index: Mapping Precisi Symbol Tyj THE DAVIS AIR FORCE COMMU	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800 5800 JNICATIONS FACILIT WEEN ROAD 35 AND 3 PRIMARILY ON DIS	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. Dates I Element Site Record Last Update Township: 08N Range: 03E Section: 31 Meridian: M Y, 2.5 MILES NNW OF SAXON. 0 ROAD 36. WITHIN THE SE 1/4 TURBED GROUND IN AREAS 0	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A Last Seen : 2004-07-06 : 2004-07-06 : 2004-07-06 : 2008-01-10 Qtr: NE Qtr: NE
General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary County Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai Ecologica	PLAGIOBOTHRY MUCRONATA. : HERBICIDE RUN : SEVERAL THOL AND >100 REPC : DOD-MCCLELL/ . 58 : Good : Natural/Native oc Presumed Extann Unknown : Saxon (3812146/ : Yolo : 38.49621°/ -121 Zone-10 N42617 : O mile : 25 ft : IN DRAINAGE O I: FACILITY IS 4 M SECTION 31. IN : PLAYA TYPE VE THIS POPULATI ETC.	YS, PSILOCARPHUS, M N-OFF AND INVASION JSAND PLANTS OBSE IRTED IN SEPTEMBER AN AFB Map Index: 25471 courrence t (497B) 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308 01 E615308	WYOSURUS, LEPIDIUM LATIFOL BY SALSOLA TRAGUS, LEPIDIU RVED IN 1993; 36,000 ESTIMATE ? 2001; 2,208 PLANTS IN 2004 BI EO Index: Mapping Precisi Symbol Tyj THE DAVIS AIR FORCE COMMU S, EAST OF ROAD 104 AND BET CADERO CLAY LOAM. GROWING	IUM, CRYPSIS SCHO IM LATIFOLIUM AND ED IN 1996. IN 2001, - ETWEEN THIS AND E 5800 000SPECIFIC 000SPECI	POTENTIALLY CRYPSIS SCHC 1,000 PLANTS IN UPPER POO 0 #58. Dates I Element Site Record Last Update Township: 08N Range: 03E Section: 31 Meridian: M Y, 2.5 MILES NNW OF SAXON. P ROAD 36. WITHIN THE SE 1/4 TURBED GROUND IN AREAS ( ENIA FREMONTII, PLAGIOBOT	NSIS, & TUCTORIA DENOIDES THREAT L REPORTED IN A Last Seen : 2004-07-06 : 2004-07-06 : 2004-07-06 : 2008-01-10 d: 2008-01-10 Qtr: NE Qtr: NE

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

<b>A</b>	_		de: CTT44120CA
Federal: None	3	ODB Element Ranks     Global: G1	Other Lists
State: None		State: S1.1	
Habitat Ass	sociations		
General:			
Micro:			
Occurrence No.	26 Map Index: 1	0559 <b>EO Index:</b> 26391	Dates Last Seen
Occ Rank:	•		Element: 1982-03-13
	Natural/Native occurrence		Site: 1982-03-13
•	Presumed Extant		
	Increasing		Record Last Updated: 1998-07-15
Quad Summary:	Dozier (3812137/498D)		
County Summary:	Solano		
Lat/Long:	38.26903º / -121.82215º		Township: 05N
UTM:	Zone-10 N4236321 E603034		Range: 01E
Radius:	1 mile	Mapping PrecisionNON-SPECIFIC	Section: 24 Qtr: N
Elevation:	20 ft	Symbol Type:POINT	Meridian: M
Location:	10 MI S OF DIXON ON HWY 113.		
Location Detail:	FORMERLY TNC'S JEPSON PRA	IRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARM	ILANDS & OPEN SPACE ON 8/97.
Ecological:	LG VERNAL LAKE & MANY SMA	LER POOLS. GRASSLANDS W/GOOD STANDS OF NASSELLA	PULCHRA ON HIGHER GROUND BETW POOLS.
-		ME POOLS ALKALINE W/SALT TOLERANT SPP SUCH AS CRE	
General:	UNABLE TO CONVERT TO FLOP	ISTIC CLASSIFICATION, LACKS SPP. INFO.	
Owner/Manager:	SOLANO LAND TRUST		
-			
Occurrence No.	27 Map Index: 1	0352 EO Index: 26392	Dates Last Seen
Occ Rank:	Unknown		Element: 1975-03-XX
Origin:	Natural/Native occurrence		Site: 1975-03-XX
Presence:	Presumed Extant		
Trend:	Unknown		Record Last Updated: 1998-07-15
Quad Summary:	Denverton (3812128/481B), Birds	anding (3812127/481A)	
County Summary:	Solano		
Lat/Long:	38.21463º / -121.87773º		Township: 04N
UTM:	Zone-10 N4230224 E598245		Range: 01E
Radius:	1 mile	Mapping PrecisionNON-SPECIFIC	Section: 04 Qtr: SW
Elevation:	70 ft	Symbol Type:POINT	Meridian: M
Location:	AREA SURROUNDING HWY 12 F	ROM RIO VISTA TO DENVERTON. AREA INCL FOUR SECTION	NS.
	VERNAL POOLS IN NATIVE GRA CLASSIFICATION, LACKS SPP. I	SSLAND. MANY DOWNINGIA SPP & PSILOCARPHUS SPP REF NFO.	PORTED. UNABLE TO CONVERT TO FLORISTIC
		ETIMES HEAVILY FOR A NUMBER OF YEARS.	
Owner/Manager:			
j <b>u</b>	-		
Occurrence No.	•	<b>EO Index:</b> 26288	Dates Last Seen
Occ Rank:			Element: 1982-05-18
	Natural/Native occurrence		<b>Site:</b> 1982-05-18
	Presumed Extant Unknown		Record Last Updated: 1998-07-15
		12127/1000	-
Quad Summary: County Summary:	Elmira (3812138/498C), Dozier (38 Solano	1213//490U)	
			Townshine OFN
-	38.27657º / -121.87524º		Township: 05N
	Zone-10 N4237100 E598380	Manufactore Breakland NON ODEOLEIC	Range: 01E
Radius: Elevation:		Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Section: 16 Qtr: SW Meridian: M
Location:		VIS AFB RUNWAY, ABOUT 3 MI WSW OF DOZIER. MODIFIED TO BRING WATER IN EARLY FALL FOR WATERFOW	~
Location Dotaile		VICENTED TO DIVING WATEN IN EARLY FALL FOR WATERFOW	/ ¥ ⊑.
Ecological:		ESCADERO CLAY. DOWNINGIA HUMILIS & OTHER DOWNING D BY PRISTINE GRASSLAND.	SIA SPP PRESENT W/OTHER VERNAL POOL SPP

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

		Elen	nent Code: CTT44120CA
Statu	IS	NDDB Element Ranks	Other Lists
Federal: None		Global: G1	
State: None		State: S1.1	
Habitat As	sociations ———		
General:			
Micro:			
Occurrence No.	31 Map Index: (	09762 <b>EO Index:</b> 27149	Dates Last Seen
Occ Rank:	Unknown		Element: 1985-05-03
Origin:	Natural/Native occurrence		Site: 1985-05-03
	Presumed Extant		
Trend:	Unknown		Record Last Updated: 1998-07-15
Quad Summary:	Fairfield South (3812221/482A), F	Fairfield North (3812231/499D)	
County Summary:	Solano		
Lat/Long:	38.23699º / -122.05303º		Township: 05N
UTM:	Zone-10 N4232534 E582873		Range: 02W
Radius:	1 mile	Mapping PrecisionNON-SPECIFIC	Section: 35 Qtr: XX
Elevation:	5 ft	Symbol Type:POINT	Meridian: M
Location:	W OF SUISUN CITY, N OF CORI	DELIA RD, W OF PENNSYLVANIA AVE.	
Ecological:		SWALE W/IN GRASSLAND. MANY POOL SPP PRESENT M VASEYI, MYOSORUS MINIMUS & RARE LASTHENIA C	
Threat:	CATTLE GRAZING DISTURBS, I	NDUSTRIAL DEVELOPMENT IMMINENT.	

San Joaquin Valley orcut	÷	NDDB Element Ranks	Element Code: PMPOA4G060 Other Lists	
Federal: Threatene State: Endanger		Global: G2 State: S2.1	CNPS List: 1B.1	
General: VERNAL Micro: 30-755M.				
Occurrence No.	63 Map Index: 55310	EO Index: 55310	Dates Las	t Seen
	Excellent Natural/Native occurrence Presumed Extant			
Trend:			Record Last Updated:	2004-04-28
Quad Summary: County Summary:	Elmira (3812138/498C) Solano			
-		Mapping PrecisionSPECIFIC Symbol Type:POINT	Township: 05N Range: 01E Section: 20 Meridian: M	Qtr: NE
Location:	EAST OF TRAVIS AIR FORCE BASE, J	IUST EAST OF POWERLINES ABOUT 1.4 MIL	ES SSW OF WHERE POWERLINES CROS	S AQUEDUCT.
Location Detail:	MAPPED WITHIN THE SW 1/4 OF THE	NE 1/4 OF SECTION 17.		
C		ON SOLANO LOAM, AND IN ADJACENT VER EA TO SUPPORT THIS GRASS. ASSOCIATES		
Threat:	GRAZING/TRAMPLING BY CATTLE.			

Owner/Manager: PVT

bea	rded popcorn-flower			Element Code: PDBOR0V0H0	
	Federal: None	1S	<ul> <li>NDDB Element Ranks</li> <li>Global: G1</li> </ul>	Other Lists     CNPS List:	10.1
	State: None		State: S1.1	CAP 5 List.	10.1
	Habitat As	ssociations —			
	General: VERNA	L POOLS, VALLEY AND FOOTHILL GRASS	SLAND.		
	Micro: WET SI	FES. 10-50M.			
	Occurrence No.	. 8 Map Index: 41001	EO Index: 41667	D;	tes Last Seen
	Occ Rank:	•			ment: 2005-05-24
SENSITIVE *		Natural/Native occurrence			Site: 2005-05-24
		Presumed Extant		Pocord Last Ur	dated: 2006-07-28
	Trend:	Unknown			ualed. 2000-07-20
		: Birds Landing (3812127/481A)			
	County Summary				
SENSITIVE *	Lat/Long: UTM:			Township:	
	Radius:		Mapping Precision:	Range: Section:	Qtr:
	Elevation:		Symbol Type:	Meridian:	
	Location	*SENSITIVE* Location information suppre	issed.		
	Location Detail	Please contact the California Natural Diver (916) 324-3812.	sity Database, California Department of Fis	sh and Game, for more information:	
	Ecological	IN VERNAL SWALE. ASSOCIATED WITH JUNCUS BUFONIUS, AND THE RARE CE		EGANS, ERYNGIUM ARISTULATUM,	CICENDIA QUADRANGULARIS
	Threat:	DISKING FOR FIREBREAKS. NEAR TRA	NSMISSION LINES AND PROPOSED GA	S PIPELINE.	
	Owner/Manager	:			
	Occurrence No.	. 12 Map Index: 65471	EO Index: 65550	D;	tes Last Seen
	Occ Rank:	•			ment: 2006-05-09
ENSITIVE *	Origin:	Natural/Native occurrence			Site: 2006-05-09
		Presumed Extant		Pocord Last Ur	dated: 2006-07-28
	Trend:	Unknown			ualeu. 2000-07-28
		: Denverton (3812128/481B)			
	County Summary Lat/Long:			Township:	
	UTM:			Range:	
	Radius:		Mapping Precision:	Section:	Qtr:
	Elevation:		Symbol Type:	Meridian:	
	Location	*SENSITIVE* Location information suppre	issed.		
	Location Detail	Please contact the California Natural Diver (916) 324-3812.	sity Database, California Department of Fis	sh and Game, for more information:	
	Ecological	IN VERNAL SWALES & POOLS IN ANNU MOLLIS, JUNCUS BUFONIUS, LYTHRUM			
	Threat:	WITHIN GAS PIPELINE ROW. PROPOSE	D ACCESS ROAD MAINTENANCE. CATT	TLE GRAZING OCCURS.	
	Owner/Manager:	:			
	Occurrence No.	. 13 Map Index: 65472	EO Index: 65551	<u>س</u> ۱۵	tes Last Seen
			Lo maex. 00001		ment: 1964-04-27
	Occurrence No. Occ Rank:	Unknown			
	Occ Rank:	Unknown Natural/Native occurrence			Site: 1964-04-27
	Occ Rank: Origin: Presence:	Natural/Native occurrence Presumed Extant		Record Last Up	Site: 1964-04-27 dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown		Record Last Up	
	Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)		Record Last Up	
	Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D)		Record Last Up Township: 05	dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.30697° / -121.78654° Zone-10 N4240571 E606094			dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Radius:	Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano : 38.30697° / -121.78654° Zone-10 N4240571 E606094 1/10 mile	Mapping PrecisionNON-SF	Township: 00 Range: 02 PECIFIC Section: 05	dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano : 38.30697° / -121.78654° Zone-10 N4240571 E606094 1/10 mile	Mapping PrecisionNON-SF Symbol Type:POINT	Township: 05 Range: 02	dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.30697° / -121.78654° Zone-10 N4240571 E606094 1/10 mile 13 ft 2 MILES NE OF DOZIER STATION, AT TH	Symbol Type:POINT	Township: 05 Range: 02 PECIFIC Section: 05 Meridian: M	dated: 2006-07-28
	Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Natural/Native occurrence Presumed Extant Unknown : Dozier (3812137/498D) : Solano : 38.30697° / -121.78654° Zone-10 N4240571 E606094 1/10 mile : 13 ft	Symbol Type:POINT	Township: 05 Range: 02 PECIFIC Section: 05 Meridian: M	dated: 2006-07-28

bearded popcorn-flowe	r		Element Code: PDBOR	ROVOHO	
Federal: None State: None	us ————	NDDB Element Ranks Global: G1 State: S1.1	Other	r Lists CNPS List: 1B.1	
	SSOCIATIONS	GRASSLAND.			
Origin Presence	A Map Index: 65     Unknown     Natural/Native occurrence     Presumed Extant     Unknown	517 EO Index:		Element:	st Seen 2002-04-27 2002-04-27 2006-08-01
Quad Summary County Summary	: Dozier (3812137/498D) <i>y</i> : Solano				
UTM:	: 38.29976° / -121.80014° Zone-10 N4239756 E604915 : 2/5 mile : 13 ft	Mapping Precisi Symbol Typ	onNON-SPECIFIC S	wnship: 05N Range: 02E Section: 07 eridian: M	Qtr: XX
		FROM INTERSECTION OF HASTING APPED ACCORDING TO MAP DRAW		ASED ON THE SITE	E DESCRIPTION BY A.
Ecologica	I: GRASSLANDS. ASSOCIATED WIT	TH BROMUS HORDEACEUS, LOLIUM ICA, AND HEMIZONIA CONGESTA. F		DES, NASSELLA PU	JLCHRA, DISTICHLIS
General Owner/Manager		N FOR THIS OCCURRENCE IS A 2002	COLLECTION BY SOLOMESHCH.	NEEDS FIELDWO	RK.
Origin Presence	b. 15 Map Index: 65 : Unknown : Natural/Native occurrence : Presumed Extant : Unknown	518 EO Index:			1975-04-26 1975-04-26
Quad Summary County Summary	r: Dozier (3812137/498D) y: Solano				
-			onNON-SPECIFIC	wnship: 05N Range: 01E Section: 14 eridian: M	Qtr: XX
Elevation					
Elevation	I: ON N SIDE OF SMALL ROAD RUN	INING W FROM INTERSECTION OF C	OOK LANE AND SAC N RAILWAY,	CA 1/2 MI W OF TH	HIS INTERSECTION.
Elevation Location Ecologica	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION			CA 1/2 MI W OF TH	HIS INTERSECTION.
Elevation Location Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION r: PVT	OLS IN AN OPEN FIELD. N FOR THIS OCCURRENCE IS A 1978	5 COLLECTION BY TUCKER.	Dates La	st Seen 2006-05-10 2006-05-10
Elevation Location Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend:	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION r: PVT 0. 16 Map Index: 65 : Excellent : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D)	OLS IN AN OPEN FIELD. N FOR THIS OCCURRENCE IS A 1978	5 COLLECTION BY TUCKER.	— Dates La Element: Site:	st Seen 2006-05-10 2006-05-10
Elevation Location Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM:	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION r: PVT 0. 16 Map Index: 65 : Excellent : Natural/Native occurrence : Presumed Extant : Unknown :: Dozier (3812137/498D) <i>y</i> : Solano : 38.26743° / -121.84423° Zone-10 N4236119 E601105 : 12.0 acres	OLS IN AN OPEN FIELD. N FOR THIS OCCURRENCE IS A 1975 520 EO Index:	65599 Rec	— Dates La Element: Site:	st Seen 2006-05-10 2006-05-10
Elevation Location Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION r: PVT 0. 16 Map Index: 65 : Excellent : Natural/Native occurrence : Presumed Extant : Unknown :: Dozier (3812137/498D) <i>y</i> : Solano : 38.26743° / -121.84423° Zone-10 N4236119 E601105 : 12.0 acres	OLS IN AN OPEN FIELD. N FOR THIS OCCURRENCE IS A 1975 520 EO Index:	65599 Rec	Dates La     Element:     Site: ord Last Updated: wnship: 05N Range: 01E Section: 22	st Seen 2006-05-10 2006-05-10 2006-08-01
Elevation Ecologica General Owner/Manager Occurrence No Occ Rank Origin Presence Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	I: IN DRYING BEDS OF VERNAL PO : ONLY SOURCE OF INFORMATION r: PVT . 16 Map Index: 65 : Excellent : Natural/Native occurrence : Presumed Extant : Unknown : Dozier (3812137/498D) r: Solano : 38.26743° / -121.84423° Zone-10 N4236119 E601105 : 12.0 acres : 30 ft 1: 1.2 AIR MILES SW OF OLCOTT. II: IN THE EAST 1/2 OF THE NE 1/4 O I: ON MARGINS OF VERNAL POOLS	OLS IN AN OPEN FIELD. N FOR THIS OCCURRENCE IS A 1975 520 EO Index: Mapping Precisi Symbol Typ	65599 Rec phSPECIFIC S he:POLYGON M	Dates La     Element:     Site: ord Last Updated: wnship: 05N Range: 01E Section: 22 eridian: M	st Seen 2006-05-10 2006-05-10 2006-08-01 2006-08-01 Qtr: NE

bearded popcorn-flower		NDDR Flowert Banks	Element Code: PDBOR0V0H0 Other Lists	
Federal: None State: None	IS	NDDB Element Ranks Global: G1 State: S1.1	CNPS List:	1B.1
	sociations			
Micro: WET SI	L POOLS, VALLEY AND FOOTHILL GRASSL TES. 10-50M.	AND.		
Occurrence No.	17 Map Index: 65528	EO Index: 65607	Da	tes Last Seen
Occ Rank:			Eler	nent: 2006-05-10 Site: 2006-05-10
-	Natural/Native occurrence Presumed Extant			Site: 2006-05-10
Trend:	Unknown		Record Last Up	dated: 2006-08-01
Quad Summary:	Dozier (3812137/498D), Elmira (3812138/49	48C)		
County Summary	: Solano			
	38.26582º / -121.87537º Zone-10 N4235907 E598383		Township: 05	
	80 meters	Mapping PrecisionSPECII	FIC Range: 01 Section: 21	
Elevation:	35 ft	Symbol Type:POINT	Meridian: M	
Location	2.8 AIR MILES WSW OF OLCOTT.			
Location Detail	IN THE SW 1/4 OF THE NW 1/4 OF SECTION	DN 21.		
Ecological	: ON MARGINS OF VERNAL POOLS. ASSO MARINUM SSP. GUSSONEANUM, PLAGIC LOAM.			
General:	HUNDREDS OF PLANTS OBSERVED IN 2	006 BETWEEN THIS OCCURRENCE A	ND OCCURRENCES 16, 19, 20, AND 2	1 COMBINED.
Owner/Manager	SOLANO LAND TRUST			
Occurrence No.	18 Map Index: 65534	EO Index: 65613	Da	tes Last Seen
Occ Rank:			Eler	ment: 2006-05-13
•	Natural/Native occurrence			Site: 2006-05-13
	Presumed Extant Unknown		Record Last Up	dated: 2006-08-01
-	Dozier (3812137/498D)			
County Summary	38.26500º / -121.82789º		Township: 05	NI
-	Zone-10 N4235868 E602538		Range: 01	
Area: Elevation:	6.8 acres	Mapping PrecisionSPECII Symbol Type:POLYG		3 Qtr: NE
	: 0.8 AIR MILE SSW OF OLCOTT. IN THE JE I: IN THE SE 1/4 OF THE NE 1/4 OF SECTIO			
	IN SMALL, SHALLOW VERNAL POOLS. AS STIPITATUS, LOLIUM MULTIFLORUM, ER	SSOCIATED WITH LYTHRUM HYSSOF	IFOLIUM, PSILOCARPHUS TENELLUS DIA QUADRANGULARIS. SOILS MAPPI	S, PLAGIOBOTHRYS ED AS SAN YSIDRO SANE
	LOAM.			
General:	APPROXIMATELY 50 PLANTS OBSERVED SOLANO LAND TRUST	) IN 2006.		
Owner/Manager				
Occurrence No.		<b>EO Index:</b> 65616		tes Last Seen
Occurrence No. Occ Rank:	Excellent	EO Index: 65616		tes Last Seen nent: 2006-05-10 Site: 2006-05-10
Occurrence No Occ Rank: Origin: Presence:	Excellent Natural/Native occurrence Presumed Extant	EO Index: 65616	Elei	<b>nent:</b> 2006-05-10 <b>Site:</b> 2006-05-10
Occurrence No. Occ Rank: Origin: Presence: Trend:	Excellent Natural/Native occurrence Presumed Extant Unknown	EO Index: 65616	Elei	ment: 2006-05-10
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D)	EO Index: 65616	Elei	<b>nent:</b> 2006-05-10 <b>Site:</b> 2006-05-10
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano	EO Index: 65616	Eler Record Last Up	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.26202º / -121.87408º	EO Index: 65616	Eler Record Last Up Township: 05	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.26202º / -121.87408º Zone-10 N4235486 E598501 80 meters	Mapping PrecisionSPECI	Eler Record Last Up Township: 05 Range: 01 FIC Section: 21	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) : Solano 38.26202º / -121.87408º Zone-10 N4235486 E598501 80 meters		Eler Record Last Up Township: 05 Range: 01	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26202º / -121.87408º Zone-10 N4235486 E598501 80 meters 35 ft 2.9 AIR MILES WSW OF OLCOTT.	Mapping PrecisionSPECI Symbol Type:POINT	Eler Record Last Up Township: 05 Range: 01 FIC Section: 21	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26202º / -121.87408º Zone-10 N4235486 E598501 80 meters 35 ft 2.9 AIR MILES WSW OF OLCOTT. :NEAR THE CENTER OF THE SW 1/4 OF S	Mapping PrecisionSPECI Symbol Type:POINT ECTION 21.	Eler Record Last Up Township: 05 Range: 01 FIC Section: 21 Meridian: M	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detail	Excellent Natural/Native occurrence Presumed Extant Unknown Dozier (3812137/498D) Solano 38.26202º / -121.87408º Zone-10 N4235486 E598501 80 meters 35 ft 2.9 AIR MILES WSW OF OLCOTT.	Mapping PrecisionSPECI Symbol Type:POINT ECTION 21. CIATED WITH LOLIUM MULTIFLORUM	Eler Record Last Up Township: 05 Range: 01 FIC Section: 21 Meridian: M	nent: 2006-05-10 Site: 2006-05-10 dated: 2006-08-01 SN E Qtr: SW JS BUFONIUS, HORDEUM

bearded popcorn-flower	ſ	Ele	ement Code: PDBOR0V0H0		
Federal: None State: None	us ————	NDDB Element Ranks     Global: G1     State: S1.1	Other Lists CNPS L	ist: 1B.1	
	ssociations —				
	L POOLS, VALLEY AND FOOTHILL GR				
Micro: WET SI					
Occurrence No	. 20 Map Index: 65558	EO Index: 65637		Dates La	st Seen
Occ Rank:	Excellent		l	Element:	2006-05-10
Origin	: Natural/Native occurrence			Site:	2006-05-10
	Presumed Extant				
Trend:	Unknown		Record Last	Updated:	2006-08-01
Quad Summary	: Dozier (3812137/498D)				
County Summary	: Solano				
Lat/Long	: 38.26148º/-121.86610º		Township:	05N	
	Zone-10 N4235435 E599200		Range:		
	15.8 acres	Mapping PrecisionSPECIFIC	Section:		Qtr: SE
Elevation	: 35 ft	Symbol Type:POLYGON	Meridian:	М	
Location	: 2.5 AIR MILES WSW OF OLCOTT.				
Location Detai	I:2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. AS	LINE SEPARATING THE NORTH AND SOUTH HA SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY	HRUM HYSSOPIFOLIUM, JUI	NCUS BUF	
Location Detai Ecological General	I: 2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A MARINUM SSP. GUSSONEANUM, PL LOAM.	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTH	HRUM HYSSOPIFOLIUM, JUI /S BRACTEATUS. SOILS MA	NCUS BUF PPED AS \$	SAN YSIDRO SAND
Location Detai Ecological General Owner/Manager	I:2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. : HUNDREDS OF PLANTS OBSERVED : SOLANO LAND TRUST	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI /S BRACTEATUS. SOILS MA	NCUS BUF PPED AS \$ ID 21 COM	SAN YSIDRO SAND IBINED.
Location Detai Ecological General Owner/Manager Occurrence No	COLONIES RUNNING ALONG THE I     ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM.     HUNDREDS OF PLANTS OBSERVED     SOLANO LAND TRUST	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS \$ ID 21 COM Dates Lat	SAN YSIDRO SAND IBINED. st Seen
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank:	2: 2 COLONIES RUNNING ALONG THE I ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS ( ID 21 COM Dates La: Element:	SAN YSIDRO SAND IBINED. st Seen 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin:	COLONIES RUNNING ALONG THE I     ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM.     HUNDREDS OF PLANTS OBSERVED     SOLANO LAND TRUST     21 Map Index: 65560     Excellent     Natural/Native occurrence	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS \$ ID 21 COM Dates Lat	SAN YSIDRO SAND IBINED. st Seen
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	2: 2 COLONIES RUNNING ALONG THE I ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI (S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS \$ ID 21 COM Dates La: Element: Site:	SAN YSIDRO SAND IBINED. st Seen 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: 2 COLONIES RUNNING ALONG THE I MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent Natural/Native occurrence Presumed Extant Unknown	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI (S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS \$ ID 21 COM Dates La: Element: Site:	SAN YSIDRO SAND BINED. st Seen 2006-05-10 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	E: 2 COLONIES RUNNING ALONG THE I CON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C)	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI (S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN	NCUS BUF PPED AS \$ ID 21 COM Dates La: Element: Site:	SAN YSIDRO SAND BINED. st Seen 2006-05-10 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	I: 2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED I: SOLANO LAND TRUST 2. 21 Map Index: 65560 I: Excellent I: Natural/Native occurrence I: Presumed Extant I: Unknown I: Elmira (3812138/498C) I: Solano	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUI (S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN 	NCUS BUF PPED AS S ID 21 COM Dates La: Element: Site: Updated:	SAN YSIDRO SAND BINED. st Seen 2006-05-10 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long	I: 2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED I: SOLANO LAND TRUST 21 Map Index: 65560 I: Excellent I: Natural/Native occurrence I: Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano I: 38.26238° / -121.87973°	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last  Township:	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N	SAN YSIDRO SAND BINED. st Seen 2006-05-10 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I:2 COLONIES RUNNING ALONG THE I CON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.26238° / -121.87973° Zone-10 N4235520 E598006	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC EO Index: 65639	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last Township: Range:	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N 01E	SAN YSIDRO SAND BINED. <b>St Seen</b> 2006-05-10 2006-05-10 2006-08-01
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: 2 COLONIES RUNNING ALONG THE I CON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 2 21 Map Index: 65560 Excellent I: Natural/Native occurrence Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano I: Solano I: 38.26238° / -121.87973° Zone-10 N4235520 E598006 I: 80 meters	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last  Township:	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N 01E 20	SAN YSIDRO SAND BINED. st Seen 2006-05-10 2006-05-10
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation	I: 2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED I: SOLANO LAND TRUST 21 Map Index: 65560 I: Excellent I: Natural/Native occurrence I: Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano I: So	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC EO Index: 65639 Mapping PrecisionSPECIFIC	HRUM HYSSOPIFOLIUM, JUJ (S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last  Township:  Range: Section:	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N 01E 20	SAN YSIDRO SAND BINED. <b>St Seen</b> 2006-05-10 2006-05-10 2006-08-01
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location	I: 2 COLONIES RUNNING ALONG THE I I: ON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED I: SOLANO LAND TRUST 21 Map Index: 65560 I: Excellent I: Natural/Native occurrence I: Presumed Extant Unknown I: Elmira (3812138/498C) I: Solano I: So	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC EO Index: 65639 Mapping PrecisionSPECIFIC Symbol Type:POINT	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last Township: Range: Section: Meridian:	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N 01E 20	SAN YSIDRO SAND BINED. <b>St Seen</b> 2006-05-10 2006-05-10 2006-08-01
Location Detai Ecological General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	I: 2 COLONIES RUNNING ALONG THE I CON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL/ LOAM. HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent Natural/Native occurrence Presumed Extant Unknown Elmira (3812138/498C) Solano 38.26238° / -121.87973° Zone-10 N4235520 E598006 80 meters 35 ft S AIR MILES ESE OF TRAVIS FIELD. I: IN THE NE 1/4 OF THE SE 1/4 OF SEC	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC EO Index: 65639 Mapping PrecisionSPECIFIC Symbol Type:POINT CTION 20, NEAR THE BOUNDARY WITH SECTIO	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last Township: Range: Section: Meridian: N 21.	NCUS BUF PPED AS S ID 21 COM Dates La: Element: Site: Updated: 05N 01E 20 M	SAN YSIDRO SAND BINED. <b>st Seen</b> 2006-05-10 2006-08-01 2006-08-01 <b>Qtr:</b> SE
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Radius: Elevation Location Detai	I: 2 COLONIES RUNNING ALONG THE I CON MARGINS OF VERNAL POOLS. A: MARINUM SSP. GUSSONEANUM, PL LOAM. I: HUNDREDS OF PLANTS OBSERVED SOLANO LAND TRUST 21 Map Index: 65560 Excellent Natural/Native occurrence Presumed Extant Unknown I: Elmira (3812138/498C) Solano 38.26238° / -121.87973° Zone-10 N4235520 E598006 30 meters 35 ft I: 3 AIR MILES ESE OF TRAVIS FIELD. I: IN THE NE 1/4 OF THE SE 1/4 OF SEC I: ON MARGINS OF VERNAL POOLS. A:	SSOCIATED WITH LOLIUM MULTIFLORUM, LYTI AGIOBOTHRYS GREENEI, AND PLAGIOBOTHRY IN 2006 BETWEEN THIS OCCURRENCE AND OC EO Index: 65639 Mapping PrecisionSPECIFIC Symbol Type:POINT	HRUM HYSSOPIFOLIUM, JUJ /S BRACTEATUS. SOILS MA CCURRENCES 16, 17, 19, AN  Record Last Township: Range: Section: Meridian: N 21. HRUM HYSSOPIFOLIUM, JUI	NCUS BUF PPED AS S ID 21 COM Dates Las Element: Site: Updated: 05N 01E 20 M	SAN YSIDRO SAND IBINED. <b>st Seen</b> 2006-05-10 2006-08-01 2006-08-01 Qtr: SE CONIUS, HORDEUM

Owner/Manager: SOLANO LAND TRUST

Sacramento splittail State	us ————	NDDB Element Ranks	Element Code: AFCJB34020 Other Lists		
Federal: None State: None		Global: G2 State: S2	CDFG Stat	us: SC	
General: ENDEM	sociations — IC TO THE LAKES AND RIVERS OF THE C			ASSOCIAT	
	NOVING RIVER SECTIONS, DEAD END SL				
Occurrence No.	4 Map Index: 40822	<b>EO Index:</b> 40822		Dates La	st Seen
Occ Rank:					1998-08-18 1998-08-18
-	Natural/Native occurrence Presumed Extant			one.	1330-00-10
Trend:	Unknown		Record Last	Updated:	1999-02-10
Quad Summary:	Fairfield South (3812221/482A)				
County Summary	: Solano				
-	38.20412º / -122.02866º		Township:		
UTM: Area:	Zone-10 N4228909 E585044	Mapping PrecisionNON-SP	ECIFIC Section:		Qtr: XX
Elevation:	0 ft	Symbol Type:POLYGO			
Location	SPRING BRANCH, PORTRERO HILLS WE	EST OF GRIZZLY ISLAND ROAD, ~2 MILF	S SOUTH OF SUISUN CITY, SUI	SUN MAR	SH.
Location Detail	MAP INCLUDED IN SOURCE DOCUMENT	F HAS FIRST MALLARD BRANCH AND S	PRING BRANCH CIRCLED SO IT	WAS INCL	UDED IN THE POLY
Ecological	TIDAL ESTUARINE MARSH				
General:	21 CAPUTRED, STANDARD LENGTH RAI 4.24-91.2GM (PRESUMED IN GRAMS, INF		O NOT GIVEN) IS 64-175MM, TOT	AL WEIGH	IT RANGE IS
Owner/Manager:	UNKNOWN				
Occurrence No.	5 Map Index: 40823	EO Index: 40823		Dates La	st Seen
Occ Rank:	•				1998-05-15
-	Natural/Native occurrence Presumed Extant			Site:	1998-05-15
	Unknown		Record Last	Updated:	1999-02-10
Quad Summary:	Vine Hill (3812211/482D), Fairfield South (3				
County Summary					
Lat/Long:	38.11125º / -122.09891º		Township:	03N	
UTM: Area:	Zone-10 N4218542 E578994	Menning PresidenNON CO	Range:		
Elevation:	0 ft	Mapping PrecisionNON-SP Symbol Type:POLYGC			Qtr: XX
Location	: GOODYEAR SLOUGH, JUST EAST OF RA	AILROAD TRACKS, WESTERN BOUNDA	RY OF MORROW ISLAND, SUISU	N MARSH	
	TIDAL ESTUARINE MARSH.				
General:	15 CAPTURED BETWEEN 20 MARCH AN	.D 15 MAY 1998, STANDARD LENGTH RA	ANGE (PRESUMED IN MILLIMETE	RS, INFO	NOT GIVEN) IS 118
	MM, TOTAL WEIGHT RANGE IS 32.2-500	GRAMS (PRESUMED IN GRAMS INFO N	OT GIVEN).		
Owner/Manager:	UNKNOWN				
Occurrence No.	6 Map Index: 40824	EO Index: 40824	—	Dates La	
Occ Rank:	Unknown Natural/Native occurrence			Element: Site:	1998-06-04 1998-06-04
	Natural/Native occurrence Presumed Extant			Site:	1000-00-04
	Unknown		Record Last	Updated:	1999-02-10
Quad Summary:	Denverton (3812128/481B)				
County Summary	Solano				
Lat/Long:	38.20936º / -121.90697º		Township:		
	Zone-10 N4229609 E595693	Mapping PrecisionNON-SP	ECIFIC Section:		Qtr: XX
	0 ft	Symbol Type:POLYGC			
UTM: Area: Elevation:					
Area: Elevation:	DENVERTON SLOUGH, DENVERTON, S	N OF HIGHWAY 12, SUISUN MARSH.			
Area: Elevation: Location	: DENVERTON SLOUGH, DENVERTON, S\ : TIDAL ESTUARINE MARSH	N OF HIGHWAY 12, SUISUN MARSH.			

alifornia clapper rail				Ele	ment Code: ABNME05016		
State	us ———		NDDB Eleme	nt Ranks	Other Lists		
Federal: Endang			Global: G		CDFG Sta	atus:	
State: Endange	ered		State: S1				
	ssociations —						
General: SALT-W	ATER & BRACKI	SH MARSHES TR	AVERSED BY TIDAL SI	LOUGHS IN THE VICINITY OF S	SAN FRANCISCO BAY.		
Micro: ASSOC SLOUG		NDANT GROWTH	IS OF PICKLEWEED, B	UT FEEDS AWAY FROM COVE	R ON INVERTEBRATES F	ROM MUD	BOTTOMED
Occurrence No.	. 67	Map Index: 09	9833	EO Index: 6760	_	- Dates La	st Seen ——
Occ Rank:	Excellent					Element:	2003-10-02
•	Natural/Native or					Site:	2003-10-02
	Presumed Extant	t			Pocord La	et Undatod	2005-02-02
Trend:	Unknown				Record La	si opualeu.	2005-02-02
Quad Summary:	Fairfield South (3	3812221/482A)					
County Summary	: Solano						
Lat/Long:	38.19401º / -122	.03096°			Township	: 04N	
	Zone-10 N42277	785 E584854			Range		
Area:	10.0		Ma	apping PrecisionNON-SPECIFI			Qtr: XX
Elevation:	1011			Symbol Type:POLYGON	Meridian	: 101	
				ALLARD SLOUGH, AND INCLU			
Location Detail	I: 1987: RUSH RAI : HABITAT IS WE	NCH (BETWEEN S TLAND MARSH W	SUISUN SLOUGH AND /ITH SPARTINA, BACCI	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT	FIRST AND SECOND MAI	LARD SLO YPHA SP. A	UGH. ND TRIGLOCHI
Location Detail Ecological	I: 1987: RUSH RAI : HABITAT IS WE MARITIMA. EXC BLACK RAIL	NCH (BETWEEN S TLAND MARSH W	SUISUN SLOUGH AND /ITH SPARTINA, BACCI T WITHOUT DIKES AND	FIRST MALLARD SLOUGH); IN	FIRST AND SECOND MAI	LARD SLO YPHA SP. A	UGH. ND TRIGLOCHI
Location Detail Ecological Threat:	I: 1987: RUSH RAI : HABITAT IS WE MARITIMA. EXC BLACK RAIL : POTENTIAL THE : DEC 1978: 2 HE	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FO ARD. MAR 1979: (	SUISUN SLOUGH AND /ITH SPARTINA, BACCI / WITHOUT DIKES AND OR SALE. 5 DETECTED. FOLLOW	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT	FIRST AND SECOND MAI THER PLANTS INCLUDE T OTHER SPECIES: SALT N	LLARD SLO YPHA SP. A MARSH HAF	UGH. ND TRIGLOCHI RVEST MOUSE,
Location Detail Ecological Threat: General:	I: 1987: RUSH RAI : HABITAT IS WE MARITIMA. EXC BLACK RAIL : POTENTIAL THE : DEC 1978: 2 HE	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT	SUISUN SLOUGH AND /ITH SPARTINA, BACCI / WITHOUT DIKES AND OR SALE. 5 DETECTED. FOLLOW	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198	FIRST AND SECOND MAI THER PLANTS INCLUDE T OTHER SPECIES: SALT N	LLARD SLO YPHA SP. A MARSH HAF	UGH. ND TRIGLOCHI RVEST MOUSE,
Location Detail Ecological Threat: General: Owner/Manager Occurrence No.	1: 1987: RUSH RAI 1: HABITAT IS WE' MARITIMA. EXC BLACK RAIL 1: POTENTIAL THF 1: DEC 1978: 2 HE. 1991/93/94: 7 DE 1: UNKNOWN, PVT 2: 80	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989	LLARD SLO (PHA SP. A MARSH HAF 0, 2; 1990, 2 - Dates La	UGH. ND TRIGLOCHI RVEST MOUSE, ; 1991, 3; 1992, : st Seen
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank:	1: 1987: RUSH RAI 1: HABITAT IS WE' MARITIMA. EXC BLACK RAIL 1: POTENTIAL THF 1: DEC 1978: 2 HE. 1: 1991/93/94: 7 DE 1: UNKNOWN, PVT 1: 80 Excellent	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF 0, 2; 1990, 2 - Dates La Element:	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : ; <b>1</b> 991, 3; 1992, : 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	1: 1987: RUSH RAI MARITIMA. EXC BLACK RAIL POTENTIAL THF DEC 1978: 2 HE. 1991/93/94: 7 DE UNKNOWN, PVT	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ARD. MAR 1979: ( TECTIONS. OCT T, DFG Map Index: 33 courrence	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF 0, 2; 1990, 2 - Dates La Element:	UGH. ND TRIGLOCHI RVEST MOUSE, ; 1991, 3; 1992, : st Seen
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	1: 1987: RUSH RAI 1: HABITAT IS WE' MARITIMA. EXC BLACK RAIL 1: POTENTIAL THF 1: DEC 1978: 2 HE. 1: 1991/93/94: 7 DE 1: UNKNOWN, PVT 1: 80 Excellent	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ARD. MAR 1979: ( TECTIONS. OCT T, DFG Map Index: 33 courrence	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT N 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF ), 2; 1990, 2 - Dates La Element: Site:	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : ; <b>1</b> 991, 3; 1992, : 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	1: 1987: RUSH RAI HABITAT IS WE' MARITIMA. EXC BLACK RAIL POTENTIAL THF DEC 1978: 2 HE 1991/93/94: 7 DE UNKNOWN, PVT 80 Excellent Natural/Native oc Presumed Extant	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 courrence t	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT N 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF ), 2; 1990, 2 - Dates La Element: Site:	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	1: 1987: RUSH RAI 1: HABITAT IS WE' MARITIMA. EXC BLACK RAIL 1: POTENTIAL THF 1: DEC 1978: 2 HE. 1: 1991/93/94: 7 DE 1: UNKNOWN, PVT 1: 80 Excellent Natural/Native oc Presumed Extant Unknown 1: Fairfield South (3)	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 courrence t	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT N 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF ), 2; 1990, 2 - Dates La Element: Site:	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	1: 1987: RUSH RAI 1: HABITAT IS WE' MARITIMA. EXC BLACK RAIL 1: POTENTIAL THF 1: DEC 1978: 2 HE. 1: 1991/93/94: 7 DE 1: UNKNOWN, PVT 1: 80 Excellent Natural/Native oc Presumed Extant Unknown 1: Fairfield South (3)	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 Scurrence t t	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85.	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT N 36,4; 1987, 9; 1988, 2; 1989	LARD SLO (PHA SP. A MARSH HAF 0, 2; 1990, 2 - Dates La Element: Site: st Updated:	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	the second	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 Scurrence t 3812221/482A)	SUISUN SLOUGH AND /ITH SPARTINA, BACCI / WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER 2653	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85. EO Index: 30261	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1986  Record La: Township Range	LARD SLO (PHA SP. A ARSH HAP 0, 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15 1997-02-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	the second	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 Scurrence t 3812221/482A)	SUISUN SLOUGH AND /ITH SPARTINA, BACCI / WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER 2653	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85. EO Index: 30261	FIRST AND SECOND MAI "HER PLANTS INCLUDE T" OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1983  Record La: Township Range C Section	LARD SLO (PHA SP. A ARRSH HAF ), 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W : 12	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	the second	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 Scurrence t 3812221/482A)	SUISUN SLOUGH AND /ITH SPARTINA, BACCI / WITHOUT DIKES AND OR SALE. 6 DETECTED. FOLLOW 2003: 6. NO CLAPPER 2653	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85. EO Index: 30261	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1986  Record La: Township Range	LARD SLO (PHA SP. A ARRSH HAF ), 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W : 12	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15 1997-02-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	the second	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( ETECTIONS. OCT T, DFG Map Index: 33 Courrence t 3812221/482A) 	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 5 DETECTED. FOLLOW 2003: 6. NO CLAPPER 3653	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT FREE MOVEMENT OF TIDES. /ING DETECTIONS IN DEC: 198 RAILS IN '75, '76, '79, OR '85. EO Index: 30261	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989 Record La Township Range C Section Meridian	LARD SLO (PHA SP. A ARRSH HAF ), 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W : 12	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15 1997-02-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	H987: RUSH RAI     HABITAT IS WE'     MARITIMA. EXC     BLACK RAIL     POTENTIAL THF     DEC 1978: 2 HE.     1991/93/94: 7 DE     UNKNOWN, PVT     80     Excellent     Natural/Native oc     Presumed Extani     Unknown     Fairfield South (3     Solano     Solano     38.20972°/ -122     Zone-10 N42295     1/5 mile     3 ft     BOYNTON SLOU	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( TECTIONS. OCT T, DFG Map Index: 33 CCUITIENCE t 3812221/482A) 03974° 520 E584068	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 5 DETECTED. FOLLOW 2003: 6. NO CLAPPER 3653	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT D FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 196 RAILS IN '75, '76, '79, OR '85. EO Index: 30261 Bymbol Type:POINT DN, 1.5 MILES SOUTH OF SUIS	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989 Record La Township Range C Section Meridian	LARD SLO (PHA SP. A ARRSH HAF ), 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W : 12	UGH. ND TRIGLOCHI VEST MOUSE, ; 1991, 3; 1992, : st Seen 1991-05-15 1991-05-15 1997-02-18
Location Detail Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological	H987: RUSH RAI     HABITAT IS WE'     MARITIMA. EXC     BLACK RAIL     POTENTIAL THF     DEC 1978: 2 HE.     1991/93/94: 7 DE     UNKNOWN, PVT     80     Excellent     Natural/Native oc     Presumed Extant     Unknown     Fairfield South (3     Solano     Sol	NCH (BETWEEN S TLAND MARSH W ELLENT HABITAT REAT: LAND IS FC ARD. MAR 1979: ( TETECTIONS. OCT T, DFG Map Index: 33 CCUIRTENCE t 3812221/482A) 03974° 520 E584068 UGH, AT THE SUI ISTS OF MUDFLA	SUISUN SLOUGH AND ITH SPARTINA, BACCI WITHOUT DIKES AND OR SALE. 5 DETECTED. FOLLOW 2003: 6. NO CLAPPER 3653 	FIRST MALLARD SLOUGH); IN HARIS, AND SCIRPUS SPP. OT D FREE MOVEMENT OF TIDES. VING DETECTIONS IN DEC: 196 RAILS IN '75, '76, '79, OR '85. EO Index: 30261 Bymbol Type:POINT DN, 1.5 MILES SOUTH OF SUIS	FIRST AND SECOND MAI HER PLANTS INCLUDE T OTHER SPECIES: SALT M 36,4; 1987, 9; 1988, 2; 1989 Record Las C Section Meridian SUN CITY.	LARD SLO (PHA SP. A MARSH HAF 0, 2; 1990, 2 - Dates La Element: Site: st Updated: : 04N : 02W : 12 : M	UGH. ND TRIGLOCHI RVEST MOUSE, ; 1991, 3; 1992, : st Seen

alifornia clapper rail Statu	IS	NDDB Element Ranks	Element Code: A	Other Lists	
Federal: Endange State: Endange	ered	Global: G5T1 State: S1		CDFG Status:	
	ATER & BRACKISH MARSHES ATED WITH ABUNDANT GROW	TRAVERSED BY TIDAL SLOUGHS IN THS OF PICKLEWEED, BUT FEEDS			BOTTOMED
Occurrence No.	86 Map Index:	59145 EO Inde	ex: 59181	Dates Las	st Seen
-	Good Natural/Native occurrence Presumed Extant				2003-08-26 2003-08-26
	Unknown			Record Last Updated:	2005-01-06
Quad Summary: County Summary:	Fairfield South (3812221/482A) Solano				
UTM:	38.15785º / -122.05837º Zone-10 N4223748 E582495			Township: 04N Range: 02W	
Radius: Elevation:	80 meters 0 ft		cisionSPECIFIC I <b>Type:</b> POINT	Section: 26 Meridian: M	Qtr: SW
	NEAR JOICE ISLAND/HUNTER				
	HABITAT CONSISTS OF NARR WATERFOWL HUNTING.	OW FRINGING TIDAL BRACKISH M	ARSH CHARACTERIZED BY SCIR	PUS ACTUS. ADJACENT	LAND USE: MOS
General: Owner/Manager:	2 DETECTED ON 26 AUG 2003 PVT	IN A BOAT SURVEY.			
Occurrence No.	•	59459 <b>EO Ind</b>	ex: 59495	Dates Las	
	Natural/Native occurrence				1993-12-XX 1993-12-XX
	Presumed Extant Unknown			Record Last Updated:	2005-01-20
Quad Summary: County Summary:	Denverton (3812128/481B), Fair Solano	field South (3812221/482A)			
-	38.22600º / -121.99629º Zone-10 N4231367 E587852			Township: 04N Range: 01W	
Area: Elevation:			cisionNON-SPECIFIC   Type:POLYGON	Section: 05 Meridian: M	Qtr: XX
Location:	MAINLY ALONG HILL SLOUGH	I, EAST OF MCCOY CREEK TO UNIC	ON CREEK, 3 MILES ESE OF FAIR	FIELD.	
	1992 AND 1993: HILL SLOUGH HABITAT CONSISTS OF A TID	AT UNION CREEK SURVEY AREA. AL MARSH.			
0	RAILS WERE DETECTED DUR	ING SURVEY BY CANOE ON 27 FEE 3 1993 SURVEY. DETECTIONS OCCI			DURING THE 19
Owner/Manager:	DFG-HILL SLOUGH WA				
Occurrence No.	•	59475 <b>EO Ind</b>	<b>əx:</b> 59511	Dates Las	
•	Natural/Native occurrence				1994-XX-XX 1994-XX-XX
	Presumed Extant Unknown			Record Last Updated:	2005-01-20
Quad Summary: County Summary:	Fairfield South (3812221/482A) Solano				
-	38.22445° / -122.01216°			Township: 04N	
	Zone-10 N4231180 E586465 1/10 mile 5 ft		cisionNON-SPECIFIC	Range: 01W Section: 06 Meridian: M	Qtr: NE
		MCCOY CREEK, 2.5 MILES ESE OF			
	HABITAT CONSISTS OF A TID	AL MARSH.			

		NDDD Flow and Damler	Other	Linto	
Federal: Endangered State: Endangered		<ul> <li>NDDB Element Ranks</li> <li>Global: G5T1</li> <li>State: S1</li> </ul>		FG Status:	
Habitat Association	ons ————				
		SED BY TIDAL SLOUGHS IN THE V			
Micro: ASSOCIATED V SLOUGHS.	VITH ABUNDANT GROWTHS OF	PICKLEWEED, BUT FEEDS AWAY	ROM COVER ON INVERTEBRA	TES FROM MUD	D-BOTTOMED
Occurrence No. 96	Map Index: 59489	EO Index: 595	25	Dates La	
Occ Rank: Excelle Origin: Natura	nt /Native occurrence				1992-12-21 1992-12-21
Presence: Presun			_		
Trend: Unknow	vn		Reco	ord Last Updated	: 2005-01-20
Quad Summary: Fairfiel	d South (3812221/482A), Denverto	n (3812128/481B)			
County Summary: Solano					
Lat/Long: 38.191	10º/-122.00251º		Том	vnship: 04N	
	0 N4227489 E587350			Range: 01W	
Area: Elevation: 10 ft		Mapping PrecisionN Symbol Type:P		ection: 17 ridian: M	Qtr: N
		MALLARD BRANCH, NORTH OF GF			
Ecological: HABIT	AT CONSISTS OF CORD GRASS	ALONG THE SLOUGHS WITH PICK	LE WEED IN HIGHER AREAS.		
		UTOFF SLOUGH DURING 1991CHF 2 WERE HEARD ON 21 DEC 1992.	ISTMAS BIRD COUNT. CLAPPE	R RAILS NOT DE	TECTED DURING
Owner/Manager: DFG					
Occurrence No. 97	Map Index: 59551	EO Index: 595	87		ast Seen
Occ Rank: Unknow					1991-XX-XX
Origin: Natura Presence: Presun	/Native occurrence			Site:	1992-XX-XX
Trend: Unknow			Reco	ord Last Updated	: 2005-01-24
Quad Summary: Denver	ton (3812128/481B)				
County Summary: Solano					
Lat/Long: 38.185			Том	vnship: 04N	
-	0 N4226853 E588631			Range: 01W	
Area:		Mapping PrecisionN		ection: 16	Qtr: XX
Elevation: 4 ft		Symbol Type:P	DLYGON Me	ridian: M	
Location: MOUT	H OF CUTOFF SLOUGH, NEAR M	IONTEZUMA SLOUGH, SOUTHEAS	T SIDE OF JOICE ISLAND		
Location Detail:1 DET	ECTION EAST OF AND TWO DET	ECTIONS WEST OF CUTOFF SLOU	GH.		
General: 3 DET	ECTIONS ALONG CUTOFF SLOU	GH DURING THE 1991 CHRISTMAS	BIRD COUNT. RAILS NOT OBS	ERVED DURING	1992 BREEDING
Owner/Manager: DFG					
Occurrence No. 98	Map Index: 59510	EO Index: 595	46	Dates La	ast Seen
Occ Rank: Unknow	vn				1994-XX-XX
•	Native occurrence			Site:	1994-XX-XX
Presence: Presun Trend: Unknow			Reco	ord Last Updated	: 2005-01-20
Quad Summary: Fairfiel	d South (3812221/482A)				
County Summary: Solano					
Lat/Long: 38.135			т	nship: 03N	
-	0 N4221217 E580346			Range: 02W	
Radius: 1/10 m		Mapping PrecisionN	ON-SPECIFIC S	ection: 03	Qtr: N
Elevation: 5 ft		Symbol Type:P	DINT Me	ridian: M	
Location: ALONO	SUISUN SLOUGH AT NORTH T	IP OF MORROW ISLAND, EAST OF	GRIZZLY BAY.		
Ecological: HABIT	AT CONSISTS OF A FRINGE MAR	RSH.			
General: BAILS	DETECTED AT THIS LOCATION	DURING A 1994 SURVEY			

Federal: Threate				EI			
Federal: Threate				lement Ranks	Other Lists	;	
	ned			<b>al:</b> G4T2T3	CDFG S	tatus: SC	
State: None			Stat	e: S2S3			
	ssociations —						
General: LOWLA	NDS & FOOTHIL	LS IN OR NEAR	PERMANENT SOUF	RCES OF DEEP WATER WITH DEN	NSE, SHRUBBY OR EMER	SENT RIPAR	IAN VEGETATIO
Micro: REQUI	RES 11-20 WEEK	S OF PERMANE	NT WATER FOR LA	RVAL DEVELOPMENT. MUST HAV	VE ACCESS TO ESTIVATIO	N HABITAT.	
Occurrence No	. 306	Map Index:	41245	EO Index: 41245	_	— Dates La	ast Seen
Occ Rank		map maoni				Element:	2005-07-14
	: Natural/Native of	occurrence				Site:	2005-07-14
Presence	: Presumed Exta	nt					
Trend	Unknown				Record L	ast Updated	: 2007-06-11
Quad Summary	: Fairfield South	(3812221/482A)					
County Summary	: Solano						
-	: 38.15774º/-12					i <b>p:</b> 04N	
	Zone-10 N4223	681 E576977			-	e: 02W	
	: 80 meters			Mapping PrecisionSPECIFIC		<b>n:</b> 30	Qtr: SE
Elevation	: 145 ft			Symbol Type:POINT	Meridia	n: M	
Ecologica Threat General	WILLOW TREE : THREATENED	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ	MANENT STOCK PO TS OF AN OLD QUA DEVELOPMENT (CO	OND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS.	I WATER.	ND A FEW STUN
Ecologica Threat General Owner/Manage	I: HABITAT CON WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ ) TRUST	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS.	I WATER. JL 2005.	
Ecologica Threat General Owner/Manage Occurrence No	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CC : SOLANO LANE	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS.	I WATER. JL 2005. — Dates La	ast Seen
Ecologica Threat General Owner/Manage Occurrence No Occ Rank	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CC :: SOLANO LANE 0. 857 : Fair	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index:	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS.	i WATER. JL 2005. — Dates La Element:	ast Seen 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CO SOLANO LANE 857 Fair Natural/Native of	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: 0 DCCUrrence	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS.	i WATER. JL 2005. — Dates La Element:	ast Seen
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE 0. 857 : Fair : Natural/Native o : Presumed Exta	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: 0 DCCUrrence	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI	I WATER. JL 2005. — Dates La Element: Site:	ast Seen 2005-10-27 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CC SOLANO LANE 857 Fair Natural/Native c Presumed Exta Unknown	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: 1 DCCCUITENCE nt	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI	I WATER. JL 2005. — Dates La Element: Site:	ast Seen 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CC SOLANO LANE 857 Fair Natural/Native of Presumed Exta Unknown Fairfield South	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: 1 DCCCUITENCE nt	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI	I WATER. JL 2005. — Dates La Element: Site:	ast Seen 2005-10-27 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE : Fair : Natural/Native o : Presumed Exta : Unknown : Fairfield South o : Solano	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: DOCCURRENCE Map Index: (3812221/482A)	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI	I WATER. JL 2005. — Dates La Element: Site: ast Updated	ast Seen 2005-10-27 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CC :: SOLANO LANE 0. 857 : Fair : Natural/Native of Presumed Exta : Unknown :: Fairfield South of <i>r</i> : Solano : 38.14570° / -12	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ ) TRUST Map Index: (3812221/482A) 2.12383°	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE ORDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L	I WATER. JL 2005. — Dates La Element: Site: ast Updated ip: 04N	ast Seen 2005-10-27 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: HABITAT CON: WILLOW TREE THREATENED I JUVENILE CC SOLANO LANE SOLANO LANE SOLANO LANE Presumed Exta Unknown Fairfield South ( Solano 38.14570° / -12 Zone-10 N4222	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ ) TRUST Map Index: (3812221/482A) 2.12383°	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L	I WATER. JL 2005. — Dates La Element: Site: ast Updated ip: 04N e: 02W	ast Seen 2005-10-27 2005-10-27 : 2006-01-23
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CO SOLANO LANE 857 Fair Natural/Native of Presumed Exta Unknown Fairfield South Solano 38.14570°/-12 Zone-10 N4222 80 meters	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ ) TRUST Map Index: (3812221/482A) 2.12383°	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Townsh Rang Sectic	I WATER. JL 2005. Dates La Element: Site: ast Updated [p: 04N e: 02W n: 31	ast Seen 2005-10-27 2005-10-27
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CO SOLANO LANE 857 Fair Natural/Native of Presumed Exta Unknown Fairfield South Solano 38.14570°/-12 Zone-10 N4222 80 meters	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ ) TRUST Map Index: (3812221/482A) 2.12383°	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19	DND; VEGETATED BY GRAZED NA RRRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L	I WATER. JL 2005. Dates La Element: Site: ast Updated [p: 04N e: 02W n: 31	ast Seen 2005-10-27 2005-10-27 : 2006-01-23
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE : Fair : Natural/Native of : Presumed Exta : Unknown : Fairfield South of : Solano : 38.14570° / -12 Zone-10 N4222 : 80 meters : 145 ft : 0.75 MILE WES	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ 0 TRUST Map Index: (3812221/482A) 2.12383° 2.343 E576772 ST OF I-680, 0.75	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19 63729 MILE SW OF FAIRF	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC Symbol Type:POINT IELD	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L Townsh Rang Sectio Meridia	UL 2005. Dates La Element: Site: ast Updated ip: 04N e: 02W n: 31 n: M	ast Seen 2005-10-27 2005-10-27 : 2006-01-23 Qtr: SE
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE : Fair : Natural/Native of : Presumed Exta : Unknown : Fairfield South of : Solano : 38.14570° / -12 Zone-10 N4222 : 80 meters : 145 ft : 0.75 MILE WES	SISTS OF A PER S. SITE CONSIS BY PROPOSED DLLECTED (MRJ 0 TRUST Map Index: (3812221/482A) 2.12383° 2.343 E576772 ST OF I-680, 0.75	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19 63729 MILE SW OF FAIRF	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC Symbol Type:POINT	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L Townsh Rang Sectio Meridia	UL 2005. Dates La Element: Site: ast Updated ip: 04N e: 02W n: 31 n: M	ast Seen 2005-10-27 2005-10-27 : 2006-01-23 Qtr: SE
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CO SOLANO LANE SOLANO LANE SOLANO LANE SOLANO LANE Presumed Exta Unknown Fairfield South Solano 38.14570°/-12 Zone-10 N4222 80 meters 145 ft 0.75 MILE WES I: THIS SITE IS C TRUST.	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: (3812221/482A) 2.12383° 3343 E576772 ST OF I-680, 0.75 URRENTLY (200 SISTS OF A SPR	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19 63729 MILE SW OF FAIRF 5) IN THE PROCESS	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC Symbol Type:POINT IELD S OF BEING RESTORED (WILLOW DAK SAVANNAH. POND HAS A SIL	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH AZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L Townsh Rang Sectio Meridia	H WATER. JL 2005. — Dates La Element: Site: ast Updated ip: 04N e: 02W n: 31 n: M TTLE ACCES	ast Seen 2005-10-27 2005-10-27 : 2006-01-23 Qtr: SE SS) BY SOLANO
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta Ecologica	I: HABITAT CON: WILLOW TREE : THREATENED : 1 JUVENILE CO : SOLANO LANE : SOLANO LANE : SOLANO LANE : SOLANO LANE : Natural/Native of : Presumed Exta : Unknown : Solano : 38.14570° / -12 Zone-10 N4222 : 80 meters : 145 ft : 0.75 MILE WES II: THIS SITE IS O TRUST. I: HABITAT CON: RIPARIAN ARE	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ DTRUST Map Index: (3812221/482A) 2.12383° 343 E576772 ST OF I-680, 0.75 URRENTLY (200 SISTS OF A SPRI A IS LOCATED -	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19 63729 MILE SW OF FAIRF 5) IN THE PROCESS ING-FED POOL IN C 25 METERS TO TH	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC Symbol Type:POINT IELD S OF BEING RESTORED (WILLOW DAK SAVANNAH. POND HAS A SIL	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH RAZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L Townsh Rang Sectio Meridia V PLANTINGS, LIMITED CA	H WATER. JL 2005. — Dates La Element: Site: ast Updated ip: 04N e: 02W n: 31 n: M TTLE ACCES	ast Seen 2005-10-27 2005-10-27 : 2006-01-23 Qtr: SE SS) BY SOLANO
Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation Location Deta	I: HABITAT CON: WILLOW TREE THREATENED 1 JUVENILE CO SOLANO LANE SOLANO LANE SOLANO LANE SOLANO LANE Presumed Exta Unknown Fairfield South Solano 38.14570°/-12 Zone-10 N4222 80 meters 145 ft 0.75 MILE WES I: THIS SITE IS C TRUST.	SISTS OF A PERI S. SITE CONSIS BY PROPOSED DLLECTED (MRJ D TRUST Map Index: (3812221/482A) 2.12383° 3343 E576772 ST OF I-680, 0.75 URRENTLY (200 SISTS OF A SPR	MANENT STOCK PC TS OF AN OLD QUA DEVELOPMENT (CC 1463) ON 9 APR 19 63729 MILE SW OF FAIRF 5) IN THE PROCES: ING-FED POOL IN C	DND; VEGETATED BY GRAZED NA RRY AREA, SURROUNDED BY SE DRDELIA SHOOTING RANGE), GR 99 AND DEPOSITED AT CAS. 1 AD EO Index: 63824 Mapping PrecisionSPECIFIC Symbol Type:POINT IELD S OF BEING RESTORED (WILLOW DAK SAVANNAH. POND HAS A SIL	ATIVE AND INTRODUCED EVERAL PITS FILLED WITH AZING, AND BULLFOGS. DULT OBSERVED ON 14 JI Record L Record L Townsh Rang Sectio Meridia	H WATER. JL 2005. — Dates La Element: Site: ast Updated ip: 04N e: 02W n: 31 n: M TTLE ACCES	ast Seen

foothill yellow-legged frog	-	NDDB Element Ranks	Element Code: AAABH01050 Other Lists –	
Federal: None State: None		Global: G3 State: S2S3	CDFG Status:	SC
	sociations			HOSIS.
Occurrence No. Occ Rank: Origin:		<b>EO Index:</b> 42216		ntes Last Seen
	Presumed Extant Unknown		Record Last Up	dated: 2004-09-28
Quad Summary: County Summary:	Mt. Vaca (3812241/499A), Monticello Dam Solano	(3812251/515D)		
-	38.50158º / -122.09979º		Township: 08	
	Zone-10 N4261853 E578494 26.6 acres	Mapping PrecisionSPE	CIFIC Section: 32	
Elevation:	500 ft	Symbol Type:POI		
	COLD CANYON CREEK, 0.5 MILE UPSTR			
	HABITAT CONSISTS OF A COBBLE AND			SURROUNDED BY WOODI
General:	100+ JUVENILES OBSERVED ON 25 JUN	1999. 2 ADULTS OBSERVED ON 5	JUN 2004.	
Owner/Manager:	UC-BERKELEY			
Occurrence No.	388 Map Index: 49273	EO Index: 53138	Da	tes Last Seen
Occ Rank:			Ele	ment: 2002-09-30
-	Natural/Native occurrence Presumed Extant			Site: 2002-09-30
	Unknown		Record Last Up	dated: 2003-11-04
Quad Summary: County Summary:	Fairfield North (3812231/499D)			
	38.28615º / -122.08603º		Township: 0	5N
UTM:	Zone-10 N4237960 E579932		Range: 02	2W
Radius: Elevation:	80 meters 160 ft	Mapping PrecisionSPE Symbol Type:POI		
	UNNAMED TRIBUTARY OF LEDGEWOOD			
Ecological:	POOL WITH FROGS IS IN THE BOTTOM ( HABITAT CONSISTS OF A SMALL, DEEP, PERENNIAL BECAUSE OF GOLF COURS WETLAND WEEDS.	POOL BELOW A GOLF COURSE O	UTFALL. STREAM WAS FORMERLY EPH	EMERAL, BUT IS NOW
Threat:	THREATENED BY GRAZING, PLANNED U	JRBAN DEVELOPMENT, AND SMAL	L POPULATION SIZE.	
General:	2 ADULTS OBSERVED ON 30 SEP 2002.			
Owner/Manager:	PVT			
Occurrence No.	•	EO Index: 54623		tes Last Seen
Occ Rank: Origin:	Good Natural/Native occurrence		Ele	ment: 2003-08-07 Site: 2003-08-07
Presence:	Presumed Extant Unknown		Record Last Up	dated: 2004-03-09
Quad Summary:	Mt. Vaca (3812241/499A)			
County Summary:	Solano			
	38.38658º / -122.06170º		Township: 00	
UTM: Area:	Zone-10 N4249126 E581946	Mapping PrecisionNO	N-SPECIFIC Section: 10	
Elevation:	600 ft	Symbol Type:POI		
Location:	ALAMO CREEK, IN GATES CANYON, 3 M			
Ecologie - L	HABITAT CONSISTS OF A POOL ALONG	CATES CANVON DOAD. CUBBOUN		

DB Element Ranks Global: G3 State: S2S3 TH A ROCKY SUBSTRATE IN A VARIETY OF H OR EGG-LAYING. NEED AT LEAST 15 WEEKS EO Index: 57075	
State: S2S3 TH A ROCKY SUBSTRATE IN A VARIETY OF F OR EGG-LAYING. NEED AT LEAST 15 WEEKS	HABITATS.
TH A ROCKY SUBSTRATE IN A VARIETY OF H OR EGG-LAYING. NEED AT LEAST 15 WEEKS	
OR EGG-LAYING. NEED AT LEAST 15 WEEKS	
OR EGG-LAYING. NEED AT LEAST 15 WEEKS	
	S TO ATTAIN METAMORPHOSIS.
EO Index: 57075	
	Dates Last Seen
	Element: 2004-06-05
	Site: 2004-06-05
	Record Last Updated: 2004-09-28
	Township: 06N
	Range: 02W
Mapping PrecisionSPECIFIC	Section: 11 Qtr: NE
Symbol Type:POINT	Meridian: M
EO Index: 57077	Dates Last Seen
EO Index: 57077	
EO Index: 57077	Element: 2004-05-30
EO Index: 57077	
EO Index: 57077	Element: 2004-05-30
EO Index: 57077	Element:         2004-05-30           Site:         2004-05-30
EO Index: 57077	Element:         2004-05-30           Site:         2004-05-30
<b>EO Index</b> : 57077	Element:         2004-05-30           Site:         2004-05-30
EO Index: 57077	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28
EO Index: 57077	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28           Township:         07N
	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28           Township:         07N           Range:         02W
Mapping PrecisionSPECIFIC	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28           Township:         07N           Range:         02W           Section:         34           Meridian:         M
Mapping PrecisionSPECIFIC Symbol Type:POINT	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28           Township:         07N           Range:         02W           Section:         34           Meridian:         M
Mapping PrecisionSPECIFIC Symbol Type:POINT 1.5 MILES WEST OF LAGOON VALLEY ROAD,	Element:         2004-05-30           Site:         2004-05-30           Record Last Updated:         2004-09-28           Township:         07N           Range:         02W           Section:         34         Qtr: SE           Meridian:         M           NW OF VACAVILLE         Image:         1mage:

Owner/Manager: PVT

foothill yellow-legged frog		Elen	ment Code: AAABH01050	
Status		NDDB Element Ranks	Other Lists	
Federal: None		Global: G3	CDFG Status: SC	
State: None		State: S2S3		
Habitat Associations				
General: PARTLY-SHADED, S	3HALLOW STREAMS & RIFFLE	S WITH A ROCKY SUBSTRATE IN A VARIETY	OF HABITATS.	
Micro: NEED AT LEAST SO	ME COBBLE-SIZED SUBSTRA	TE FOR EGG-LAYING. NEED AT LEAST 15 WE	EEKS TO ATTAIN METAMORPHOSI	S.
Occurrence No. 448	Map Index: 68577	EO Index: 68954	Dates L	ast Seen
Occ Rank: Excellent			Element:	2006-06-11
Origin: Natural/Nati	ive occurrence		Site:	2006-06-11
Presence: Presumed E	Extant			
Trend: Unknown			Record Last Updated	<b>1:</b> 2007-04-04
Quad Summary: Mt. Vaca (3	812241/499A)			
County Summary: Solano				
Lat/Long: 38.48574º /	-122.08607º		Township: 07N	
UTM: Zone-10 N4	1260107 E579708		Range: 02W	
Radius: 80 meters		Mapping PrecisionSPECIFIC	Section: 04	Qtr: NE
		Symbol Type:POINT	Meridian: M	
Elevation: 1,160 ft				
	SE CREEK, ~1.2 MILES UPSTR	REAM OF THE CONFLUENCE WITH COLD CAN	NYON CREEK, STEBBINS COLD CA	NYON RESERVE
Location: WILD HORS	ONSISTS OF A SMALL CREEK SUBSTRATE IS ROCKY, WITH	EAM OF THE CONFLUENCE WITH COLD CAN THAT NORMALLY FLOWS YEAR-ROUND, BU I PLUNGE POOLS AND RIFFLES. VEGETATION	JT MAY GO DRY IN PLACES DURING	G PERIODS OF LO
Location: WILD HORS Ecological: HABITAT C RAINFALL; STREAMS.	ONSISTS OF A SMALL CREEK SUBSTRATE IS ROCKY, WITH	THAT NORMALLY FLOWS YEAR-ROUND, BU PLUNGE POOLS AND RIFFLES. VEGETATION	JT MAY GO DRY IN PLACES DURING	G PERIODS OF LC

salt-marsh harvest mouse Status	NDDB Element Ranks		e: AMAFF02040 - Other Lists	
Federal: Endangered State: Endangered	Global: G1G2 State: S1S2	5	CDFG Status:	
Habitat Associations — General: ONLY IN THE SALINE EMERGEN Micro: PICKLEWEED IS PRIMARY HABIT			E HIGHER AREAS FOR FLO	OD ESCAPE.
Occurrence No. 11 Map Ir	ndex: 10035 EO Ir	ndex: 14565	Dates Las	st Seen
Occ Rank: Good Origin: Natural/Native occurrence				2003-09-XX 2003-09-XX
Presence: Presumed Extant Trend: Stable			Record Last Updated:	2008-04-08
Quad Summary: Honker Bay (3812118/481 County Summary: Solano	C), Denverton (3812128/481B)			
Lat/Long: 38.11967°/-121.96797°			Township: 03N	
UTM: Zone-10 N4219596 E590 Area: 708.4 acres		PrecisionSPECIFIC	Range: 01E Section: 10	Qtr: XX
Elevation: 3 ft		bol Type:POLYGON	Meridian: M	
Location: NW PART OF HAMMONE	) ISLAND, SW CORNER OF GRIZZLY IS	LAND WILDLIFE AREA, 10 MILES	SSW OF FAIRFIELD.	
Location Detail: AREA CONSISTS OF PA SAMPLED ALL VEG TYP	RTS OF PONDS 14, 15, AND 16. SW PO ES, FROM SALICORNIA TO ANNUAL GF			
	A MANAGED MARSH, DOMINATED BY VITH TALL WHEATGRASS/ANNUAL GR			
	. 7 CAP, DEC 1987. 2 CAPTURES, 1996. 002. 37 CAPTURED, SEP 2002 AT 6 SITE		PTURED, MAY-OCT 2001. 4	3 CAPTURED, JUN
Owner/Manager: DFG-GRIZZLY ISLAND W				
Occurrence No. 12 Map Ir	ndex: 09974 EO Ir	n <b>dex:</b> 23876	— Dates Las	
Occurrence No. 12 Map Ir Occ Rank: Unknown		ndex: 23876	Element:	<b>5t Seen</b> 1971-XX-XX 1971-XX-XX
Occurrence No. 12 Map Ir		ndex: 23876	Element:	1971-XX-XX 1971-XX-XX
Occurrence No. 12 Map Ir Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Quad Summary: Denverton (3812128/4816		ndex: 23876	Element: Site:	1971-XX-XX 1971-XX-XX
Occurrence No. 12 Map Ir Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown		ndex: 23876	Element: Site: Record Last Updated:	1971-XX-XX 1971-XX-XX
Occurrence No. 12 Map Ir Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Quad Summary: Denverton (3812128/481E County Summary: Solano Lat/Long: 38.13047°/-121.98691° UTM: Zone-10 N4220776 E588	3) 790		Element: Site: Record Last Updated: Township: 03N Range: 01W	1971-XX-XX 1971-XX-XX 1989-08-10
Occurrence No. 12 Map Ir Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown Quad Summary: Denverton (3812128/481E County Summary: Solano Lat/Long: 38.13047°/-121.98691°	3) 790 <b>Mapping F</b>	ndex: 23876 PrecisionNON-SPECIFIC bol Type:POINT	Element: Site: Record Last Updated: Township: 03N	1971-XX-XX 1971-XX-XX
Occurrence No. 12       Map In         Occ Rank:       Unknown         Origin:       Natural/Native occurrence         Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Denverton (3812128/4816         County Summary:       Solano         Lat/Long:       38.13047°/-121.98691°         UTM:       Zone-10 N4220776 E588         Radius:       1/5 mile         Elevation:       2 ft	3) 790 <b>Mapping F</b>	PrecisionNON-SPECIFIC bol Type:POINT	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4	1971-XX-XX 1971-XX-XX 1989-08-10
Occurrence No. 12       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence         Oresence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Denverton (3812128/481E         County Summary:       Solano         Lat/Long:       38.13047° / -121.98691°         UTM:       Zone-10 N4220776 E588         Radius:       1/5 mile         Elevation:       2 ft         Location:       GRIZZLY ISLAND, 7 MI S         Location:       Detail:4 SMHM CAPTURED.	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4	1971-XX-XX 1971-XX-XX 1989-08-10
Occurrence No. 12       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4	1971-XX-XX 1971-XX-XX 1989-08-10
Occurrence No. 12       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence         Oresence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Denverton (3812128/481E         County Summary:       Solano         Lat/Long:       38.13047° / -121.98691°         UTM:       Zone-10 N4220776 E588         Radius:       1/5 mile         Elevation:       2 ft         Location:       GRIZZLY ISLAND, 7 MI S         Location:       Detail:4 SMHM CAPTURED.	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4	1971-XX-XX 1971-XX-XX 1989-08-10
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E       County Summary: Solano         Lat/Long: 38.13047° / -121.98691°       UTM: Zone-10 N4220776 E588         Radius: 1/5 mile       Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.       Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W       Map Ir	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4	1971-XX-XX 1971-XX-XX 1989-08-10 <b>Qtr:</b> XX
Occurrence No. 12     Map In       Occ Rank: Unknown     Origin: Natural/Native occurrence       Presence: Presumed Extant     Trend: Unknown       Quad Summary: Denverton (3812128/481E       County Summary: Solano       Lat/Long: 38.13047° / -121.98691°       UTM: Zone-10 N4220776 E588       Radius: 1/5 mile       Elevation: 2 ft       Location Detail: 4 SMHM CAPTURED.       Ecological: HABITAT CONSISTS OF       Owner/Manager: DFG-GRIZZLY ISLAND w       Occurrence No. 13     Map In       Occ Rank: Unknown	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A mdex: 09743 EO Ir	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX Qtr: XX
Occurrence No. 12     Map In       Occ Rank: Unknown     Origin: Natural/Native occurrence       Origin: Natural/Native occurrence     Presence: Presumed Extant       Trend: Unknown     Trend: Unknown       Quad Summary: Denverton (3812128/481E       County Summary: Solano       Lat/Long: 38.13047°/-121.98691°       UTM: Zone-10 N4220776 E588       Radius: 1/5 mile       Elevation: 2 ft       Location Detail: 4 SMHM CAPTURED.       Ecological: HABITAT CONSISTS OF       Owner/Manager: DFG-GRIZZLY ISLAND, 7 MI S       Occurrence No. 13	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A mdex: 09743 EO Ir	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX
Occurrence No. 12       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E       County Summary: Solano         Lat/Long: 38.13047°/-121.98691°       UTM: Zone-10 N4220776 E588         Radius: 1/5 mile       Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.       Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W       Map In         Occurrence No. 13       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A mdex: 09743 EO Ir	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX 1989-08-10
Occurrence No. 12       Map In         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W         Occurrence No. 13       Map In         Occ Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A ndex: 09743 EO Ir	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M Meridian: M	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX 1989-08-10
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E       County Summary: Solano         Lat/Long: 38.13047° / -121.98691°       UTM: Zone-10 N4220776 E588         Radius: 1/5 mile       Elevation: 2 ft         Location GRIZZLY ISLAND, 7 MI S       Location Detail:4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF       Owner/Manager: DFG-GRIZZLY ISLAND W         Occurrence No. 13       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A ndex: 09743 EO Ir	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M Meridian: M	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX 1989-08-10
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: GRIZZLY ISLAND, 7 MI S         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W         Occ Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Qrigin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Fairfield South (3812221/4         County Summary: Solano         Lat/Long: 38.17630° / -122.05136°	3) 790 Mapping F Symt E OF FAIRFIELD, INTERTIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALTI /A Mdex: 09743 EO Ir 182A)	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M — Dates Lat Element: Site: Record Last Updated: Township: 04N	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX 1989-08-10
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W         Occ Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Outigin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Fairfield South (3812221/A         County Summary: Solano         Lat/Long: 38.17630° / -122.05136°         UTM: Zone-10 N4225801 E583	3) 790 Mapping F Synt SALICORNIA-DOMINATED TIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALT /A Mdex: 09743 EO Ir 182A)	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY. MARSH. ndex: 23878	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M — Dates Las Element: Site: Record Last Updated: Township: 04N Range: 02W	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX St Seen
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: GRIZZLY ISLAND, 7 MI S         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W         Occ Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Qrigin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Quad Summary: Fairfield South (3812221/4         County Summary: Solano         Lat/Long: 38.17630° / -122.05136°	3) 790 Mapping F Symt SALICORNIA-DOMINATED TIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALT (A Mex: 09743 EO Ir 182A) 289 Mapping F	PrecisionNON-SPECIFIC bol Type:POINT IZLY BAY. MARSH.	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M — Dates Lat Element: Site: Record Last Updated: Township: 04N	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX Qtr: XX 1971-XX-XX 1971-XX-XX
Occurrence No. 12       Map Ir         Occ Rank: Unknown       Origin: Natural/Native occurrence         Presence: Presumed Extant       Trend: Unknown         Quad Summary: Denverton (3812128/481E         County Summary: Solano         Lat/Long: 38.13047° / -121.98691°         UTM: Zone-10 N4220776 E588         Radius: 1/5 mile         Elevation: 2 ft         Location Detail: 4 SMHM CAPTURED.         Ecological: HABITAT CONSISTS OF         Owner/Manager: DFG-GRIZZLY ISLAND W         Occurrence No. 13       Map Ir         Occ Rank: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Origin: Natural/Native occurrence         Presence: Presumed Extant         Trend: Unknown         Origin: Natural/Native occurrence         Quad Summary: Fairfield South (3812221/-         County Summary: Solano         Lat/Long: 38.17630° / -122.05136°         UTM: Zone-10 N4225801 E583         Radius: 1/5 mile         Elevation: 3 ft	3) 790 Mapping F Symt SALICORNIA-DOMINATED TIDAL OF GRIZ SALICORNIA-DOMINATED TIDAL SALT (A Mex: 09743 EO Ir 182A) 289 Mapping F	PrecisionNON-SPECIFIC bol Type:POINT ZLY BAY. MARSH. hdex: 23878 PrecisionNON-SPECIFIC bol Type:POINT	Element: Site: Record Last Updated: Township: 03N Range: 01W Section: 4 Meridian: M — Dates Last Element: Site: Record Last Updated: Township: 04N Range: 02W Section: 23	1971-XX-XX 1971-XX-XX 1989-08-10 Qtr: XX 1989-08-10 Qtr: XX 1989-08-10 Qtr: XX 1995-10-20

	se		Element Code: AMAFF02040
State		NDDB Element Ranks	Other Lists
Federal: Endange State: Endange		Global: G1G2 State: S1S2	CDFG Status:
•		State. 3132	
	ssociations ————————————————————————————————————		RITARIES
			D NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.
Occurrence No.	. 71 Map Index: 09838	EO Index: 23860	Dates Last Seen
Occ Rank:	•		Element: 1996-07-17
Origin:	Natural/Native occurrence		Site: 1996-07-17
	Possibly Extirpated Unknown		Record Last Updated: 1997-11-13
-	: Fairfield South (3812221/482A)		
County Summary			
-	38.22796º / -122.02246º		Township: 04N
	Zone-10 N4231559 E585559 1/5 mile	Mapping PrecisionNON	-SPECIFIC Section: 6 Qtr: XX
Elevation:		Symbol Type:POIN	
	HILL SLOUGH WILDLIFE AREA, ONE		,
Location Detail	AREA WAS TRAPPED FOR 3 CONSEC	UTIVE NIGHTS (300 TRAPNIGHTS); 11	CAPTURES.
Ecological	THIS MARSH AREA IS UNUSUAL IN THE PLANT SPECIES (45 PERCENT).	HAT IT CONTAINS MINIMAL AMOUNTS	OF PICKLEWEED W/FAT HEN (ATRIPLEX PATULA) AS DOMINANT
General:	1 INDIVIDUAL OBSERVED, 1996.		
	: DFG-HILL SLOUGH WA		
Owner/Manager			
Occurrence No.	. 111 Map Index: 09931	EO Index: 23840	Dates Last Seen
Occ Rank:	•	LO IIIdex. 23040	Element: 1985-12-XX
	Natural/Native occurrence		Site: 1985-12-XX
-	Presumed Extant		
Trend:	Unknown		Record Last Updated: 1989-08-10
UTM:	38.18435º / -121.99746º Zone-10 N4226744 E587800 1/5 mile	Mapping PrecisionNON	Township:         04N           Range:         01W           -SPECIFIC         Section:         20         Qtr: XX
Elevation:	3 ft	Symbol Type:POIN	IT Meridian: M
Location	JOICE ISLAND, APPROX 3 MILES SE	OF FAIRFIELD.	
Location Detail	:2 SMHM CAPTURED DURING 300 TRA	PNIGHTS.	
		AND ON AS A WATERFOWL HUNTING	AREA. AT PRESENT TIME IT IS USED FOR WATERFOWL
Ecological		SINTING IS ALLOWED.	
-			
General:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI	SURVEY CONDUCTED FROM OCTOBE	R TO DECEMBER 1985.
General:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI	SURVEY CONDUCTED FROM OCTOBE	R TO DECEMBER 1985.
General: Owner/Manager:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903	SURVEY CONDUCTED FROM OCTOBE	
General: Owner/Manager Occurrence No. Occ Rank: Origin:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWN 112 Map Index: 09903 Good Natural/Native occurrence	SURVEY CONDUCTED FROM OCTOBE	Dates Last Seen
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good	SURVEY CONDUCTED FROM OCTOBE	Dates Last Seen Element: 2005-08-11
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence Trend: Quad Summary:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839	Dates Last Seen Element: 2005-08-11 Site: 2005-08-11
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839	Dates Last Seen Element: 2005-08-11 Site: 2005-08-11
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano : 38.23011º / -121.99702°	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839	Dates Last Seen     Element: 2005-08-11     Site: 2005-08-11     Record Last Updated: 2008-04-07     Township: 05N
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano 38.23011°/ -121.99702° Zone-10 N4231822 E587784	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 oon (3812128/481B)	— Dates Last Seen — Element: 2005-08-11 Site: 2005-08-11 Record Last Updated: 2008-04-07 Township: 05N Range: 01W
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano 38.23011°/ -121.99702° Zone-10 N4231822 E587784 681.6 acres	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 on (3812128/481B) Mapping PrecisionSPE	
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano 38.23011°/ -121.99702° Zone-10 N4231822 E587784 681.6 acres : 3 ft	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 oon (3812128/481B) Mapping PrecisionSPE Symbol Type:POL	— Dates Last Seen — Element: 2005-08-11 Site: 2005-08-11 Record Last Updated: 2008-04-07 Township: 05N Range: 01W CIFIC Section: 32 Qtr: XX YGON Meridian: M
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver : Solano 38.23011°/-121.99702° Zone-10 N4231822 E587784 681.6 acres : 3 ft : HILL SLOUGH, SOUTH OF HIGHWAY	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 on (3812128/481B) Mapping PrecisionSPE: Symbol Type:POL 12 AND NORTH OF POTRERO HILLS, 2	Dates Last Seen     Element: 2005-08-11     Site: 2005-08-11     Record Last Updated: 2008-04-07      Township: 05N     Range: 01W CIFIC Section: 32 Qtr: XX YGON Meridian: M  MILES SE OF FAIRFIELD.
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver Solano 38.23011°/-121.99702° Zone-10 N4231822 E587784 681.6 acres 3 ft HILL SLOUGH, SOUTH OF HIGHWAY HILL SLOUGH SMHM CONSERVATION SITES VARY FROM YEAR TO YEAR.	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 on (3812128/481B) Mapping PrecisionSPE Symbol Type:POL 12 AND NORTH OF POTRERO HILLS, 2 N AREA MAKES UP THE SOUTHERN PO	Dates Last Seen     Element: 2005-08-11     Site: 2005-08-11     Record Last Updated: 2008-04-07      Township: 05N     Range: 01W CIFIC Section: 32 Qtr: XX YGON Meridian: M  MILES SE OF FAIRFIELD. DRTION OF THIS SITE (SOUTH SIDE OF HILL SLOUGH). TRAPPING
General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI . 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A), Denver : Solano : 38.23011° / -121.99702° Zone-10 N4231822 E587784 681.6 acres : 3 ft : HILL SLOUGH, SOUTH OF HIGHWAY : HILL SLOUGH SMHM CONSERVATIOI SITES VARY FROM YEAR TO YEAR. : HABITAT CONSISTS OF TIDAL MARSI	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 on (3812128/481B) Mapping PrecisionSPE Symbol Type:POL 12 AND NORTH OF POTRERO HILLS, 2 N AREA MAKES UP THE SOUTHERN PO	Dates Last Seen     Element: 2005-08-11     Site: 2005-08-11     Record Last Updated: 2008-04-07      Township: 05N     Range: 01W CIFIC Section: 32 Qtr: XX YGON Meridian: M  MILES SE OF FAIRFIELD. DRTION OF THIS SITE (SOUTH SIDE OF HILL SLOUGH). TRAPPING RNIA AND SECONDARILY BY DISTICHLIS. IN 2002 PICKLEWEED W
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long: UTM: Area: Elevation Location Location Detail Ecological	TRAPPING WAS PART OF A 13 AREA DFG-GRIZZLY ISLAND WA, UNKNOWI 112 Map Index: 09903 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A), Denver Solano Solano 38.23011°/ -121.99702° Zone-10 N4231822 E587784 681.6 acres 3 ft HILL SLOUGH, SOUTH OF HIGHWAY HILL SLOUGH SMHM CONSERVATION SITES VARY FROM YEAR TO YEAR. HABITAT CONSISTS OF TIDAL MARSI RATHER SHORT AND SPARSE. CORE	SURVEY CONDUCTED FROM OCTOBE N EO Index: 23839 on (3812128/481B) Mapping PrecisionSPE Symbol Type:POL 12 AND NORTH OF POTRERO HILLS, 2 N AREA MAKES UP THE SOUTHERN PO 14 DOMINATED PRIMARILY BY SALICOP 14 DOMINATED PRIMARILY BY SALICOP 15 DOMI	Dates Last Seen     Element: 2005-08-11     Site: 2005-08-11     Record Last Updated: 2008-04-07      Township: 05N     Range: 01W CIFIC Section: 32 Qtr: XX YGON Meridian: M  MILES SE OF FAIRFIELD. DRTION OF THIS SITE (SOUTH SIDE OF HILL SLOUGH). TRAPPING RNIA AND SECONDARILY BY DISTICHLIS. IN 2002 PICKLEWEED W

salt-marsh harvest mous				Elomont Daula	Element Co	ode: AMAFF02040 Other Lists		
Federal: Endange				B Element Ranks				
State: Endange				tate: S1S2		CDFG Sta	tus:	
-								
				RANCISCO BAY AN				
					RGANIZED NESTS. REQU			
			oner berkten,	DOIED LOOGEET OF				00 200/11 2.
Occurrence No.	114	Map Index:	09765	EO Index	23837		Dates Las	st Seen
Occ Rank:	Unknown	-					Element:	1986-10-04
Origin:	Natural/Native oc	currence					Site:	1986-10-04
	Presumed Extant					Peeerd Lee	t Undatadı	1995-10-27
Irend:	Decreasing					Record Las	i opualeu.	1995-10-27
Quad Summary:	Fairfield South (3	812221/482A)						
County Summary	: Solano							
Lat/Long:	38.24046º / -122.	04663º				Township:	05N	
	Zone-10 N42329	24 E583430				Range:		
	1/5 mile				sionNON-SPECIFIC	Section:		Qtr: XX
Elevation:	3 ft			Symbol T	ype:POINT	Meridian:	М	
Location	JUST SOUTH OF	FAIRFIELD A	ND JUST WEST C	F SUISUN CITY.				
Location Detail	SITE TRAPPED F	FROM SEPT 8	TO OCT 4, FOR A	TOTAL OF 1800 TR	APNIGHTS, WITH 10 R. R.	AVIVENTRIS CAPTU	JRED.	
Ecological	AT TIME OF TRA	PPING, MOST	OF SITE DOMINA	ATED BY PICKLEWE	ED (SALICORNIA). SOON	AFTER TRAPPING,	MAJORITY	OF SITE WAS DISK
5				ILY EASTERN EDGE		- ,		
Owner/Manager	: PVT-GENTRY/PI	ERCE PROPER	RTY					
_								
Occurrence No.	121	Map Index:	09859	EO Index	14538		Dates Las	st Seen ———
Occ Rank:	Good							2004-07-XX
-	Natural/Native oc						Site:	2004-07-XX
	Presumed Extant					Record Las	t Undated.	2005-03-21
Trend:	Unknown					Necolu Las	i opuateu.	2003-03-21
Quad Summary:	Fairfield South (3	812221/482A)						
County Summary	: Solano							
Lat/Long:	38.23693º/-122.	01472º				Township:	05N	
UTM:	Zone-10 N42325	62 E586227				Range:	01W	
Area: Elevation:	4.64				sionNON-SPECIFIC	Section: Meridian:		Qtr: XX
Elevation:	4 11			Symbol I	ype:POLYGON	wendian:	IVI	
Location	HILL SLOUGH W	EST, POND 4,	1 MILE EAST OF	SUISUN CITY.				
Location Detail					REDGE SPOIL SITE ON V			
	TYPE WERE IRA	APPED - PICKL	EWEED DOMINA	TED, MIXED HALOP	HYTE DOMINATED WITH	< 40% PICKLEWEE	D, & UPLAN	ND GRASS DOMINAT
Ecological					CKLEWEED (SALICORNIA			ISTICHLIS SPICATA)
			, , ,	ATRIPLEX TRIANGUL	ARIS) OTHER HALOPHY	TES & ANNUAL GRA	455E5.	
Threat:	USED BY PEOPL	E AND DOGS	FOR WALKING.					
General:					IUN 2001. 53 TRAPPED, 1	7 JUN 2002. 64 TRA	PPED, 19 \$	SEP 2002. NUMEROL
			+O CAPIURES, N	IAR 2004. 30 CAPTU	τεο, JUL 2004.			
Owner/Manager	DFG-HILL SLOU	GH WA						
0	100	Mandadad	00007	50.1-1	44507		Dates Las	st Soon
Occurrence No. Occ Rank:		Map Index:	09901	EO Index	1403/			1999-09-21
	Natural/Native oc	currence						1999-09-21
-	Presumed Extant							
Trend:	Unknown					Record Las	t Updated:	1999-11-09
Quad Summarv:	Denverton (38121	128/481B), Fairl	ield South (38122	21/482A)				
County Summary			`					
Lat/Long:	38.19223º / -121.	99303°				Township:	04N	
	Zone-10 N42276					Range:		
	238.5 acres			Mapping Preci	sionSPECIFIC	Section:		Qtr: XX
Elevation:	3 ft			Symbol T	ype:POLYGON	Meridian:	M	
Location	NORTH OF CUT	OFF SLOUGH	AND JOICE ISLAN	ND, SOUTH OF GRIZ	ZLY ISLAND ROAD, WNW	OF BELDONS LAN	DING, 4 MIL	ES SSE OF FAIRFIE
Ecological	VEG VARIABLE	PICKLEWEED	DOMINATED IN A	AREA OF FIRST TRA	P LINE (EAST PORTION),		F RUSHES	, PICKLEWEED, AND
					WHERE SECOND TRAP L			
General		EC 1987 7 SM		300 TRAPNIGHTS	1994 REPORT LISTED LIV	E CAPTURES FRO	M 1985 TO	1994, 5 CAPTURES

salt-marsh harvest mou	se	Element	Code: AMAFF02040	
State		NDDB Element Ranks	Other Lists	
Federal: Endange		Global: G1G2	CDFG Status:	
State: Endange	ered	State: S1S2		
	ssociations			
		S OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.		
MICRO: PICKLE	WEED IS PRIMARY HABITAT. DO NOT	BURROW, BUILD LOOSELY ORGANIZED NESTS. REQ	UIRE HIGHER AREAS FOR FL	OOD ESCAPE.
Occurrence No.	. 123 Map Index: 09961	EO Index: 14536	Dates L	ast Seen
Occurrence No.		LO IIIdex. 14550		: 2005-09-15
	Natural/Native occurrence		Site	
•	Presumed Extant			
	Stable		Record Last Update	d: 2008-04-07
0	Demoster (2010100(401D)			
-	: Denverton (3812128/481B)			
County Summary				
	38.15301º / -121.99081º		Township: 04N	
	Zone-10 N4223273 E588421		Range: 01W	-
	65.2 acres	Mapping PrecisionSPECIFIC	Section: 32	Qtr: XX
Elevation:		Symbol Type:POLYGON	Meridian: M	
Location	CRESCENT UNIT OF GRIZZLY ISLAN	D WILDLIFE AREA, 0.8 MILE WEST OF DFG HEADQUA	RTERS.	
Location Detai	SMHM CONSERVATION AREA.			
Threat:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA		5.	·
Threat: General:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS.	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS	5. JUV CAPS. OCT 2001: 23 CAP	·
Threat: General:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ISIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2	5. JUV CAPS. OCT 2001: 23 CAP	·
Threat: General:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS.	·
Threat: General: Owner/Manager	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element	S. APR 2002: 28 CAF 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA 142 Map Index: 37615 Good Natural/Native occurrence	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L	S. APR 2002: 28 CAF 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site:	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA 142 Map Index: 37615 Good Natural/Native occurrence	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site:	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A)	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site:	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A)	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site:	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. Dates L Element Site: Record Last Updated	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano : 38.19555° / -122.02673°	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 (	S. JUV CAPS. OCT 2001: 23 CAP CAPS. —— Dates L Element Site: Record Last Updated	S. APR 2002: 28 CAP ast Seen 2004-04-XX 2004-04-XX
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA 142 <b>Map Index:</b> 37615 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.19555° / -122.02673° Zone-10 N4227960 E585223	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS           ASIVE PLANTS.           56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2           AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 H           5         EO Index: 32617	S. JUV CAPS. OCT 2001: 23 CAP CAPS. —— Dates L Element Site: Record Last Updated Township: 04N Range: 02W	S. APR 2002: 28 CAF 
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA 142 <b>Map Index:</b> 37615 Good Natural/Native occurrence Presumed Extant Unknown : Fairfield South (3812221/482A) : Solano : 38.19555° / -122.02673° Zone-10 N4227960 E585223 : 1 ft	HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS           \SIVE PLANTS.           : 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2           AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 H           5         EO Index: 32617	S. JUV CAPS. OCT 2001: 23 CAP CAPS. —— Dates L Element Site: Record Last Updated Township: 04N Range: 02W Section: 13 Meridian: M	S. APR 2002: 28 CAF .ast Seen : 2004-04-XX 2004-04-XX d: 2005-01-13 Qtr: \W
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS. DFG-GRIZZLY ISLAND WA . 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.19555° / -122.02673° Zone-10 N4227960 E585223 : 1 ft : RUSH RANCH, SW OF GRIZZLY ISLA	ABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 ( 5 EO Index: 32617 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site: Record Last Updated Township: 04N Range: 02W Section: 13 Meridian: M H, 3 MILES SSE OF SUISUN C	S. APR 2002: 28 CAP 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano : 38.19555°/ -122.02673° Zone-10 N4227960 E585223 : 1 ft : RUSH RANCH, SW OF GRIZZLY ISLA : HABITAT CONSISTS OF TIDAL WETL ANNUAL GRASSES.	ABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 ( 5 EO Index: 32617 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON AND ROAD, 1.3 MILES NORTH OF MONTEZUMA SLOUG ANDS DOMINATED BY PICKLEWEED AND MIXED HALC	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site: Record Last Updated Township: 04N Range: 02W Section: 13 Meridian: M H, 3 MILES SSE OF SUISUN C	S. APR 2002: 28 CAP 
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano : 38.19555°/ -122.02673° Zone-10 N4227960 E585223 : 1 ft : RUSH RANCH, SW OF GRIZZLY ISLA : HABITAT CONSISTS OF TIDAL WETL ANNUAL GRASSES. THREATENED BY FERAL PIGS AND	AABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 ( 5 EO Index: 32617 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON AND ROAD, 1.3 MILES NORTH OF MONTEZUMA SLOUG ANDS DOMINATED BY PICKLEWEED AND MIXED HALC SPREAD OF NON-NATIVE LEPIDIUM.	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site: Record Last Updated Township: 04N Range: 02W Section: 13 Meridian: M H, 3 MILES SSE OF SUISUN C DPHYTES, AND SOME UPLAN	S. APR 2002: 28 CAP ast Seen : 2004-04-XX 2004-04-XX d: 2005-01-13 Qtr: NW CITY. D DOMINATED BY
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	GRASS, AND FAT HEN. VERY GOOD THREATENED BY NON-NATIVE INVA 1987: 11 CAPS. 1996: 14 CAPS. 1999 2002: 53 CAPS. JUN 2003: 32 CAPS DFG-GRIZZLY ISLAND WA 142 Map Index: 37615 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano : 38.19555°/ -122.02673° Zone-10 N4227960 E585223 : 1 ft : RUSH RANCH, SW OF GRIZZLY ISLA : HABITAT CONSISTS OF TIDAL WETL ANNUAL GRASSES. THREATENED BY FERAL PIGS AND	ABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS ASIVE PLANTS. 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 ( 5 EO Index: 32617 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON IND ROAD, 1.3 MILES NORTH OF MONTEZUMA SLOUG ANDS DOMINATED BY PICKLEWEED AND MIXED HALC SPREAD OF NON-NATIVE LEPIDIUM. 1989. 26 CAPTURED ON 19 JUL 2002. 19 CAPTURED O	S. JUV CAPS. OCT 2001: 23 CAP CAPS. — Dates L Element Site: Record Last Updated Township: 04N Range: 02W Section: 13 Meridian: M H, 3 MILES SSE OF SUISUN C DPHYTES, AND SOME UPLAN	S. APR 2002: 28 CAP ast Seen : 2004-04-XX 2004-04-XX d: 2005-01-13 Qtr: NW CITY. D DOMINATED BY

salt-marsh harvest mou			Element Code: A	AMAFF02040 Other Lists	
Federal: Endang State: Endang	ered	NDDB Element Ranks Global: G1G2 State: S1S2		CDFG Status:	
	ssociations —				
		TLANDS OF SAN FRANCISCO BAY		IIGHER AREAS FOR FLO	OD ESCAPE.
Occurrence No.	. 149 Map Index:	34141 EO In	dex: 32664	Dates Las	st Seen
Occ Rank:					1989-11-09
	Natural/Native occurrence Presumed Extant			Site:	1989-11-09
Trend:	Unknown			Record Last Updated:	1998-03-10
Quad Summary: County Summary	: Fairfield South (3812221/482A) : Solano				
Lat/Long:	: 38.17314º/-122.07912º			Township: 04N	
	Zone-10 N4225426 E580661			Range: 02W	-
Radius: Elevation:	1/10 mile : 1 ft		recisionNON-SPECIFIC ol Type:POINT	Section: 22 Meridian: M	Qtr: XX
		CHADBOURNE ROAD, 5.5 MILES (/			
	: DUCK CLUB AT THE END OF	, , ,	LONG THE KR TRAUKS SW UP F		
	PICKLEWEED MARSH.				
-	150 TRAP NIGHTS, 2 CAPTUR	RED, THE MAJORITY OF THE AREA CKED BY BIOLOGISTS AT UC BERF			REW WAS ALSO
Owner/Manager	: PVT				
Occurrence No.	. 153 Map Index:	37831 EO In	dex: 32838	Dates Las	
Occ Rank:					2006-06-20
-	Natural/Native occurrence Presumed Extant			Site:	2006-06-20
	Unknown			Record Last Updated:	2008-04-07
Quad Summary: County Summary	Fairfield South (3812221/482A) : Solano				
	38.22656º / -122.04552º			Township: 04N	
	Zone-10 N4231384 E583542			Range: 02W	
Area: Elevation:	: 10 ft		recisionNON-SPECIFIC ol Type:POLYGON	Section: 02 Meridian: M	Qtr: XX
Location	: PEYTONIA SLOUGH ECOLOG	ICAL RESERVE, JUST SOUTH OF	SUISUN CITY.		
Location Detail	I:SITE IS LOCATED EAST OF T	HE SOUTHERN PACIFIC RR TRACI	KS, NORTH OF PEYTONIA SLOUGI	H, AND WEST OF SUISUN	N SLOUGH.
-	SCIRPUS AMERICANUS. FIRE	TED TIDAL MARSH, DOMINATED E IN MAY 2001 DESTROYED MUCH	OF THE VEGETATION.	HLIS SPICATA, JUNCUS	BALTICUS, AND
		STURBANCE, DOMESTIC DOGS AN			
General		N 2003. 5 CAPTURES/5 RECAPS, JU			
Owner/Manager	: DFG-PEYTONIA SLOUGH ER				
Occurrence No.	. 154 Map Index:	37832 EO In	dex: 32839	Dates Las	st Seen
Occ Rank:					1985-XX-XX
•	Natural/Native occurrence Presumed Extant			Site:	1985-XX-XX
	Unknown			Record Last Updated:	1998-01-06
Quad Summarv	: Denverton (3812128/481B)				
County Summary	, , ,				
Lat/Long:	: 38.15713º / -121.99697º			Township: 04N	
UTM:	Zone-10 N4223724 E587876			Range: 01W	
Radius: Elevation:	1/5 mile : 1 ft		recisionNON-SPECIFIC ol Type:POINT	Section: 29 Meridian: M	Qtr: XX
		-			
Location		8 MI S JOICE ISLAND, 3.5 MI WSW			
		LUVER OF MARSH VEGELATION	AND PRESENCE OF PERIPHERAL	. HIGH MARSH OR UPLAN	ND REFUGIAL HAB
Ecological	DURING HIGH TIDE.				

salt-marsh harvest mous			NDDB Element Ranks —	Element C	ode: AMAFF02040 — Other Lists		
Federal: Endange State: Endange	ered		Global: G1G2 State: S1S2		CDFG State	us:	
	sociations — — — — — — — — — — — — — — — — — — —	T WETLANDS OF	F SAN FRANCISCO BAY AND	ITS TRIBUTARIES.			
Micro: PICKLE	WEED IS PRIMARY HABIT	AT. DO NOT BU	RROW, BUILD LOOSELY OR	GANIZED NESTS. REQU	IRE HIGHER AREAS	FOR FLO	OD ESCAPE.
Occurrence No.		idex: 37840	EO Index:	32847		Dates Las	st Seen 1985-XX-XX
Occ Rank: Origin:	Unknown Natural/Native occurrence				ľ		1985-XX-XX 1985-XX-XX
	Presumed Extant Unknown				Record Last	Updated:	1998-01-06
Quad Summary: County Summary	Denverton (3812128/481E	3)					
	38.12808º / -121.92762º				Township:	03N	
-	Zone-10 N4220569 E593	989			Range:		
Radius: Elevation:	1/5 mile 1 ft		Mapping Precisi Symbol Ty	onNON-SPECIFIC	Section: Meridian:		Qtr: XX
			HQ, 0.25 MILES SSE OF SOU				
			F MARSH VEGETATION AND		-		
General:	LIVE TRAP CAPTURES.	SAMPLING DON	E FROM 1985 TO 1994.				
Owner/Manager:	UNKNOWN						
Occurrence No.	. 163 Map Ir	dex: 41877	EO Index:	41877		Dates Las	st Seen
Occ Rank:	Good				E		1999-07-13
-	Natural/Native occurrence					Site:	1999-07-13
	Presumed Extant Unknown				Record Last	Updated:	1999-11-15
Quad Summary:	Denverton (3812128/481E	3)					
County Summary	: Solano						
	38.13653º / -121.94886º				Township:	03N	
	Zone-10 N4221485 E592	117	Manning Drasisi		Range:		Qtr: NW
Elevation:	115.0 acres 0 ft		Mapping Precisi Symbol Ty	e:POLYGON	Section: Meridian:		QU. 100
Location	POND 12F, BETWEEN H	AMMOND ISLAN	D AND MONTEZUMA SLOUG	H, GRIZZLY ISLAND WIL	DLIFE AREA.		
Ecological	HABITAT CONSISTS OF	A MANAGED WE	ETLAND, DOMINATED BY PIC	KLEWEED, BUT INTERS	SPERSED WITH MAN	IY OTHER	WETLAND PLANT
General:	34 SMHM CAPTURES AN	D 11 RECAPTU	RES DURING 170 TRAPNIGH	IS BETWEEN 12-13 JUL	. 1999.		
Owner/Manager:	DFG-GRIZZLY ISLAND W	ΙΑ					
Occurrence No.	166 Map Ir	dex: 41887	EO Index:	41887		Dates Las	st Seen
Occ Rank:					E		1999-06-16
-	Natural/Native occurrence Presumed Extant					Site:	1999-06-16
	Unknown				Record Last	Updated:	1999-11-16
	Fairfield South (3812221/4	182A)					
County Summary	: Solano						
	38.20543º / -122.01654º				Township:		
	Zone-10 N4229065 E586 1/5 mile	104	Manning Precisi	onNON-SPECIFIC	Range: Section:		Qtr: 3
Elevation:			Symbol Ty		Meridian:		<b>u</b> ,
Location	SPRING BRANCH (CREE	K), TRIBUTARY	TO FIRST MALLARD BRANCI	I, TRIBUTARY TO SUIS	UN SLOUGH, SOUTH	OF SUIS	UN CITY.
Ecological	HABITAT CONSISTS MO	STLY OF UPLAN	ID GRASSES, BUT CONTAINS	A SMALL PATCH OF P	ICKLEWEED WITHIN	THE DRA	INAGE.

alt-marsh harvest mous	se				nent Code: AMAFF02040		
State			NDDB Eleme		Other Lists		
Federal: Endange			Global: G		CDFG Sta	atus:	
State: Endange	ered		State: S	152			
	sociations —						
				SCO BAY AND ITS TRIBUTARIES LOOSELY ORGANIZED NESTS.		S FOR FLC	OD ESCAPE.
Occurrence No.	167	Map Index: 41	888	EO Index: 41888		<ul> <li>Dates La</li> </ul>	
Occ Rank:							2006-08-04
-	Natural/Native o					Site:	2006-08-04
	Presumed Extar	nt			Pocord La	et Undatod	2008-04-08
Trena:	Unknown				Necora La.	si opuateu	2000-04-00
Quad Summary:	Fairfield South (	3812221/482A)					
County Summary	Solano						
Lat/Long:	38.23820º / -122	2.02480°			Township	: 05N	
-	Zone-10 N4232					01W	
Area:			м	apping PrecisionNON-SPECIFIC	Section	: 31	Qtr: XX
Elevation:	5 ft			Symbol Type:POLYGON	Meridian	: M	
, i i i i i i i i i i i i i i i i i i i	ATRIPLEX TRIA WEST.	ANGULIS, JUNCUS	BALTICUS, UPLAND	SOME PICKLEWEED. 2002: MAN GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN	HALOPHYTES. URBAN DI		
Threat:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP	ANGULIS, JUNCUS REATS FROM URB JRES (120 TRAPNI P, AUG 2002. 61 CA	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 199	GRASSES, AND OTHER MIXED I	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN	EVELOPME I 1999, IN P	INT TO THE NOR
Threat: General: Owner/Manager	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPN) P, AUG 2002. 61 CA JGH WA	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN	EVELOPME I 1999, IN P	ENT TO THE NOR
Threat: General:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU	ANGULIS, JUNCUS REATS FROM URB JRES (120 TRAPNI P, AUG 2002. 61 CA	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 99, IN UPLAND HABITAT. 23 CAI	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN	EVELOPME I 1999, IN P - Dates La	ENT TO THE NOR
Threat: General: Owner/Manager Occurrence No. Occ Rank:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU	NGULIS, JUNCUS REATS FROM URB/ JRES (120 TRAPN) P, AUG 2002. 61 CA JGH WA Map Index: 42	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN	EVELOPME I 1999, IN P - Dates La	ICKLEWEED HAE
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair	ANGULIS, JUNCUS REATS FROM URB/ JRES (120 TRAPN) P, AUG 2002. 61 CA JGH WA Map Index: 42 ICCUITENCE	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006	EVELOPME I 1999, IN P - Dates La Element: Site:	ICKLEWEED HAB
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o	ANGULIS, JUNCUS REATS FROM URB/ JRES (120 TRAPN) P, AUG 2002. 61 CA JGH WA Map Index: 42 ICCUITENCE	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006	EVELOPME I 1999, IN P - Dates La Element: Site:	ICKLEWEED HAE
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown	NGULIS, JUNCUS EATS FROM URB/ JRES (120 TRAPN , AUG 2002. 61 CA JGH WA Map Index: 42 ccurrence nt	BALTICUS, UPLAND ( AN ENCROACHMENT, (GHTS), 25-26 MAY 19 (P, SEP 2003. 79 ADS/	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006	EVELOPME I 1999, IN P - Dates La Element: Site:	ICKLEWEED HAB
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38)	NGULIS, JUNCUS EATS FROM URB/ JRES (120 TRAPN , AUG 2002. 61 CA JGH WA Map Index: 42 ccurrence nt	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19 P, SEP 2003. 79 ADS/ 116	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006	EVELOPME I 1999, IN P - Dates La Element: Site:	ICKLEWEED HAB
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38: 5 Solano 38.12877° / -12°	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI P, AUG 2002. 61 CA JGH WA Map Index: 42 Index: 43 Index:	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19 P, SEP 2003. 79 ADS/ 116	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Las Township	EVELOPME I 1999, IN P - Dates La Element: Site: st Updated : 03N	ICKLEWEED HAB
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP 5 DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38* 5 Solano	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI P, AUG 2002. 61 CA JGH WA Map Index: 42 Index: 43 Index:	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B)	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Lat Township Range:	EVELOPME 1 1999, IN P - Dates La Element: Site: st Updated : 03N : 01E	ICKLEWEED HAE
Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38 : Solano 38.12877° / -12 Zone-10 N42200	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI P, AUG 2002. 61 CA JGH WA Map Index: 42 Index: 43 Index:	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B)	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Las Township Range: Section	EVELOPME 1 1999, IN P - Dates La Element: Site: st Updated : 03N : 01E : 06	ICKLEWEED HAB
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38 : Solano 38.12877° / -12 Zone-10 N42200	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI P, AUG 2002. 61 CA JGH WA Map Index: 42 Index: 43 Index:	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B)	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Lat Township Range:	EVELOPME 1 1999, IN P - Dates La Element: Site: st Updated : 03N : 01E : 06	ICKLEWEED HAE
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP 5 DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38* 5 Solano 38.12877° / -12* Zone-10 N42200 0 ft	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPN , AUG 2002. 61 CA JGH WA Map Index: 42 accurrence at 12118/481C), Denv 1.90370° 670 E596084	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B)	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Las Township Range: Section Meridian	EVELOPME 1 1999, IN P - Dates La Element: Site: st Updated : 03N : 03N : 01E : 06 : M	ICKLEWEED HAE 10CKLEWEED HAE 2006-08-22 2006-08-22 2006-08-22 2007-02-14
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38' : Solano 38.12877° / -12' Zone-10 N42200 0 ft : NORTH OF MO SITE TRAPPED	ANGULIS, JUNCUS EEATS FROM URB, JRES (120 TRAPNI , AUG 2002. 61 CA JGH WA Map Index: 42 Angle Index: 4	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B) M H AND GRIZZLY ISLAT	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116 EO Index: 42116 Symbol Type:POLYGON ND, SOUTH OF BIRDS LANDING LINE CORRIDOR. SITE WAS PU	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Las Township Range: Section Meridian ROAD, WEST OF BIRDS	<ul> <li>EVELOPME</li> <li>I 1999, IN P</li> <li>Dates La</li> <li>Element: Site:</li> <li>St Updated</li> <li>03N</li> <li>01E</li> <li>06</li> <li>M</li> <li>LANDING.</li> </ul>	ENT TO THE NOR*           IICKLEWEED HAB           2006-08-22           2006-08-22           2007-02-14
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Detail	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTU ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38' : Solano 38.12877° / -12' Zone-10 N42200 0 ft : NORTH OF MO SITE TRAPPED CURRENTLY LI	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI , AUG 2002. 61 CA JGH WA Map Index: 42 Angle Index: 4	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 1116 erton (3812128/481B) M H AND GRIZZLY ISLAI I THE CHEVRON PIPE MANAGEMENT AS A SALTMARSH VEGETA	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116 EO Index: 42116 Symbol Type:POLYGON ND, SOUTH OF BIRDS LANDING LINE CORRIDOR. SITE WAS PU	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Lat Record Lat Section Meridian ROAD, WEST OF BIRDS IRCHASED BY DWR FOR INATED BY SALICORNIA	EVELOPME     1999, IN P     .     .     Dates La     Element:         Site:     st Updated     .     . 03N     . 01E     . 06     . M     LANDING.     TIDAL RES     VIRGINICA	ENT TO THE NOR ICKLEWEED HAE 2006-08-22 2006-08-22 2007-02-14 2007-02-14 Qtr: SE STORATION AND , SCIRPUS SP, JL
Threat: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail Ecological	ATRIPLEX TRIA WEST. POSSIBLE THR 4 SMHM CAPTL ADS/3 JUV CAP DFG-HILL SLOU 168 Fair Natural/Native o Presumed Extar Unknown Honker Bay (38: Solano 38.12877° / -12: Zone-10 N42200 0 ft NORTH OF MO SITE TRAPPED CURRENTLY LI A DIKED FIELD SP, ATRIPLEX	ANGULIS, JUNCUS REATS FROM URB, JRES (120 TRAPNI P, AUG 2002. 61 CA JGH WA Map Index: 42 accurrence nt 12118/481C), Denv 1.90370° 670 E596084 NTEZUMA SLOUG D IN 1999 IS WITHIN EASED BACK FOR VEGETATED BY S TRIANGULARIS, A	BALTICUS, UPLAND ( AN ENCROACHMENT, IGHTS), 25-26 MAY 19: P, SEP 2003. 79 ADS/ 116 erton (3812128/481B) H AND GRIZZLY ISLAN I THE CHEVRON PIPE MANAGEMENT AS A SALTMARSH VEGETA' ND DISTICHLIS SPICA	GRASSES, AND OTHER MIXED I STORM RUNOFF, AND HUMAN 39, IN UPLAND HABITAT. 23 CAI 9 JUVS CAP 28 JUL 2005. 11 CA EO Index: 42116 EO Index: 42116 Symbol Type:POLYGON ND, SOUTH OF BIRDS LANDING LINE CORRIDOR. SITE WAS PU DUCK CLUB.	HALOPHYTES. URBAN DI DISTURBANCE. PTURES (100 TN), 21 JUN P (784 TN), 1-4 AUG 2006 Record Lat Record Lat Section Meridian ROAD, WEST OF BIRDS IRCHASED BY DWR FOR INATED BY SALICORNIA	EVELOPME     1999, IN P     .     .     Dates La     Element:         Site:     st Updated     .     . 03N     . 01E     . 06     . M     LANDING.     TIDAL RES     VIRGINICA	ENT TO THE NOR ICKLEWEED HAE 2006-08-22 2006-08-22 2007-02-14 2007-02-14 Qtr: SE STORATION AND , SCIRPUS SP, JL

<b>e</b>	se			Element Code: AMAFF02040		
Enderal: Ender		NDDB Elem Global: (		Other Lists		
Federal: Endange State: Endange		State: S		CDFG Sta	tus:	
Habitat As		oluio. (	102			
	N THE SALINE EMERGENT WE	TLANDS OF SAN FRANC	ISCO BAY AND ITS TRIBUTAL	RIES		
	WEED IS PRIMARY HABITAT.				S FOR FLO	OD ESCAPE.
Occurrence No.	. 170 Map Index:	54417	EO Index: 54417		Dates La	st Seen
Occ Rank:	•				Element:	2001-08-XX
-	: Natural/Native occurrence				Site:	2001-08-XX
	Presumed Extant			Record Las	t Undated.	2004-02-11
Trena:	Unknown				n opuatou.	2004 02 11
Quad Summary:	: Denverton (3812128/481B)					
County Summary	: Solano					
Lat/Long:	: 38.17296º/-121.96769º			Township	04N	
	Zone-10 N4225509 E590421			Range:		
Area: Elevation:		r	Mapping PrecisionNON-SPEC Symbol Type:POLYGON	IFIC Section: Meridian:		Qtr: XX
	NW OF THE FROST SLOUGH		IN I EZUMA SLOUGH, GRIZZL	7 ISLAND WILDLIFE AREA, SI	E OF SUISL	JN CITY
	I:POND 4, ISLAND SLOUGH UN					
Ecological	I: HABITAT CONSISTS OF A MA GRASSES. SURROUNDING A				OPIFLIA, SC	ME PICKLEWEED,
_						
	POSSIBLE THREAT FROM HU					
	: 7 TOTAL CAPTURES (INCLUE	ING 3 RECAPTURES) IN	399 TRAPNIGHTS, ON 7 AUG	2000. 12 ADULTS CAPTURE	D DURING	AUG 2001.
Owner/Manager	: DFG-GRIZZLY ISLAND WA					
Occurrence No.	474 Man Indaw	54404	FO Index: 54404		· Dates La	st Soon
Occurrence No. Occ Rank:	•	54421	EO Index: 54421			2002-08-12
	Natural/Native occurrence					2002-08-12
	Presumed Extant			Description		0004.05.40
Trend:	Unknown			Record Las	t Updated:	2004-05-12
Quad Summary	: Denverton (3812128/481B)					
County Summary	: Solano					
Lat/Long:	: 38.16917º/-121.97845º			Township	04N	
	Zone-10 N4225079 E589483			Range:		-
Area: Elevation:		r	Mapping PrecisionNON-SPEC Symbol Type:POLYGON	IFIC Section: Meridian:		Qtr: XX
	EAST SIDE OF ISLAND SLOU		LDLIFE AREA, SE OF SUISUN	CITY		
	I:POND 7, ISLAND SLOUGH UN					
Ecological	I: HABITAT CONSISTS OF A MA AS ASTER SUBULATUS VAR					
	WATERFOWL HUNTING.		,			
General	: 12 ADULTS AND 2 JUVENILES	S CAPTURED DURING A	UG 2001. 17 ADULTS CAPTUR	ED 0N 12 AUG 2002.		
	: DFG-GRIZZLY ISLAND WA					
Owner/Manager						
Owner/Manager			EO Index: 59327		Dates La	
Occurrence No.	•	59291	EO IIIdex. 3332/		Charles and the	2005-08-31
Occurrence No. Occ Rank:	: Good	59291				2005-08-21
Occurrence No. Occ Rank: Origin:	Good Natural/Native occurrence	59291			Site:	2005-08-31
Occurrence No Occ Rank: Origin: Presence:	: Good	59291	LO IIIUEA. 33327	Record Las	Site:	2005-08-31 2008-04-07
Occurrence No. Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Unknown			Record Las	Site:	
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B)			Record Las	Site:	
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano				Site:	
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Good Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17873° / -121.91102°			Township	Site: at Updated: : 04N	
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano			Township. Range:	Site: at Updated: 	
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	<ul> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Denverton (3812128/481B)</li> <li>Solano</li> <li>38.17873° / -121.91102°</li> <li>Zone-10 N4226206 E595377</li> <li>52.1 acres</li> </ul>		Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Township	Site: at Updated: : 04N 01E : 19	2008-04-07
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.17873° / -121.91102° Zone-10 N4226206 E595377 52.1 acres 4 ft		Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Township Range: Section: Meridian:	Site: at Updated: : 04N 01E : 19	2008-04-07
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	<ul> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Denverton (3812128/481B)</li> <li>Solano</li> <li>38.17873° / -121.91102°</li> <li>Zone-10 N4226206 E595377</li> <li>52.1 acres</li> <li>4 ft</li> <li>BLACKLOCK PROPERTY, NO</li> </ul>	I RTHEASTERN SUISUN N	Mapping PrecisionSPECIFIC Symbol Type:POLYGON MARSH, JUST SOUTHEAST OI	Township: Range: Section: Meridian: F LITTLE HONKER BAY.	Site: t Updated: 04N 01E 19 M	2008-04-07 Qtr: XX
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.17873° / -121.91102° Zone-10 N4226206 E595377 52.1 acres 4 ft BLACKLOCK PROPERTY, NO I: SMHM CONSERVATION ARE/	I RTHEASTERN SUISUN N A WHICH IS SLATED FOF	Mapping PrecisionSPECIFIC Symbol Type:POLYGON MARSH, JUST SOUTHEAST OI R RETURN TO TIDAL WETLAN	Township: Range: Section: Meridian: F LITTLE HONKER BAY. ID. GRAZING LANDS FOUND	Site: at Updated: 01E 19 M TO THE NO	2008-04-07 Qtr: XX
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	<ul> <li>Good</li> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Denverton (3812128/481B)</li> <li>Solano</li> <li>38.17873° / -121.91102°</li> <li>Zone-10 N4226206 E595377</li> <li>52.1 acres</li> <li>4 ft</li> <li>BLACKLOCK PROPERTY, NO</li> </ul>	RTHEASTERN SUISUN N A WHICH IS SLATED FOF KED WETLAND CONTAIN	Mapping PrecisionSPECIFIC Symbol Type:POLYGON MARSH, JUST SOUTHEAST OI R RETURN TO TIDAL WETLAN IING SEVERAL MICROHABITA	Township: Range: Section: Meridian: F LITTLE HONKER BAY. ID. GRAZING LANDS FOUND ITS; NE GRID DOMINATED B)	Site: t Updated: 04N 01E 19 M TO THE NC Y SALTGRA	Qtr: XX Qtr: XX DRTH AND EAST. SS AND FAT HEN, V
Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Good Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) Solano 38.17873° / -121.91102° Zone-10 N4226206 E595377 52.1 acres 4 ft BLACKLOCK PROPERTY, NO SMHM CONSERVATION ARE/ HABITAT CONSISTS OF A DIF	RTHEASTERN SUISUN N A WHICH IS SLATED FOF KED WETLAND CONTAIN	Mapping PrecisionSPECIFIC Symbol Type:POLYGON MARSH, JUST SOUTHEAST OI R RETURN TO TIDAL WETLAN IING SEVERAL MICROHABITA	Township: Range: Section: Meridian: F LITTLE HONKER BAY. ID. GRAZING LANDS FOUND ITS; NE GRID DOMINATED B)	Site: t Updated: 04N 01E 19 M TO THE NC Y SALTGRA	Qtr: XX Qtr: XX DRTH AND EAST. SS AND FAT HEN, V

Reithrodontomys raviventris		
salt-marsh harvest mouse		Element Code: AMAFF02040
Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G1G2	CDFG Status:
State: Endangered	State: S1S2	
Habitat Associations		
General: ONLY IN THE SALINE EMERGEN	T WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTA	ARIES.
Micro: PICKLEWEED IS PRIMARY HABI	TAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NE	STS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Nilbur Springs shorebug			Element Code: IIHEM07010	
Status		NDDB Element Ranks	Other Lists	
Federal: None		Global: G1	CDFG Status:	
State: None		State: S1		
Habitat Associations –				
General: REQUIRES SPRINGS	/CREEKS WITH HIGH	CONCENTRATIONS OF NA, CL, & LI.		
Micro: FOUND ONLY ON WE	ET SUBSTRATE OF S	PRING OUTFLOWS.		
Occurrence No. 4	Map Index: 58	3328 EO Index: 58364	Dates	s Last Seen
Occ Rank: Unknown				nt: XXXX-XX-XX
Origin: Natural/Nativ			Sit	te: XXXX-XX-XX
Presence: Presumed Ex	ttant		Record Last Updat	tad: 2004-12-06
Trend: Unknown				ieu. 2004-12-00
Quad Summary: Fairfield Nort	h (3812231/499D)			
County Summary: Solano				
Lat/Long: 38.30943º / -	122.05413º		Township: 05N	
UTM: Zone-10 N42	40572 E582695		Range: 02W	
Radius: 1/10 mile		Mapping PrecisionNON-S		Qtr: XX
Elevation: 680 ft		Symbol Type:POINT	Meridian: M	
Location: TOLENAS S	PRINGS.			
Ecological: NA = 6 110 F	PM; CL = 7,740 PPM	LI = 9.9 PPM.		

Suisun shrew			Element Code: AMABA01103 Other Lists	
Federal: None	IS	NDDB Element Ranks     Global: G5T1	CDFG Status: SC	
State: None		State: S1		
Habitat As	sociations —			
General: TIDAL N	IARSHES OF THE NORTHERN SHORE	ES OF SAN PABLO AND SUISUN BAYS	S.	
Micro: REQUIR	E DENSE LOW-LYING COVER AND D	RIFTWEED AND OTHER LITTER ABO	VE THE MEAN HIGHTIDE LINE FOR NESTING AN	D FORAGING.
Occurrence No.	1 Map Index: 10014	EO Index: 243		st Seen
Occ Rank:				1983-07-17 1983-07-17
-	Natural/Native occurrence Presumed Extant		Sile.	1903-07-17
	Unknown		Record Last Updated:	1989-08-10
Quad Summary:	Denverton (3812128/481B)			
County Summary	Solano			
Lat/Long:	38.15463º / -121.97496º		Township: 04N	
	Zone-10 N4223468 E589807		Range: 01W	
Radius:		Mapping PrecisionNo		Qtr: XX
Elevation:		Symbol Type:P0	DINT Meridian: M	
Location	GRIZZLY ISLAND, NEAR DFG HEADO	QUARTERS.		
General:		OUS MVZ SPECIMENS FROM GRIZZLY 983 BY WILLIAMS WAS UNSUCCESS	′ ISLAND FROM 1911, 1912, 1914, 1923, 1949, 197 FUL FOR S. O. SINUOSUS.	70 & 1971. EXTENS
Owner/Manager:	DFG-GRIZZLY ISLAND WA			
Occurrence No.	5 Map Index: 09762	EO Index: 695	7 — Dates La	st Seen
Occ Rank:	•			1952-02-08
Origin:	Natural/Native occurrence		Site:	1952-02-08
	Presumed Extant Unknown		Record Last Updated:	1989-08-10
Quad Summary:	Fairfield South (3812221/482A), Fairfiel	ld North (3812231/499D)		
County Summary	Solano			
Lat/Long:	38.23699º / -122.05303º		Township: 05N	
-	Zone-10 N4232534 E582873		Range: 02W	
Radius:	1 mile	Mapping PrecisionNo	ON-SPECIFIC Section: 35	Qtr: XX
Elevation:	5 ft	Symbol Type:P0	DINT Meridian: M	
Location	SUISUN CITY SALT MARSH, ADJ TO	CORDELIA ST.		
General:	MVZ #115592-115595.			
Owner/Manager:	PVT			
Occurrence No.	6 Map Index: 09538	EO Index: 243	68 — Dates La	st Seen
Occ Rank:	•			1952-02-08
- · · J · · ·	Natural/Native occurrence		Site:	1952-02-08
	Presumed Extant Unknown		Record Last Updated:	1989-08-10
Quad Summary:	Cordelia (3812222/482B), Fairfield Sou	th (3812221/482A)		
County Summary	Solano			
Lat/Long:	38.21157º / -122.12692º		Township: 04N	
	Zone-10 N4229650 E576433		Range: 02W	
Radius: Elevation:		Mapping PrecisionNo Symbol Type:Po		Qtr: XX
Location	0.5 MI NE OF CORDELIA SALT MARS	SH.		
Location				

isun shrew Status		NDDB Element Ranks	Element Code:	Other Lists		
Federal: None		Global: G5T1		CDFG Statu	is: SC	
State: None		State: S1				
Habitat Asso	ociations —					
General: TIDAL MA	RSHES OF THE NORTHERN SHORES	OF SAN PABLO AND SUISUN BAY	/S.			
Micro: REQUIRE	DENSE LOW-LYING COVER AND DRI	IFTWEED AND OTHER LITTER ABO	OVE THE MEAN HIGHTID	E LINE FOR NES	TING AND	FORAGING.
Occurrence No. 1	4 Map Index: 58660	EO Index: 58	696		Dates Las	
Occ Rank: U				E		1990-XX-XX
•	latural/Native occurrence Presumed Extant				Site:	1990-XX-XX
Trend: U				Record Last	Updated:	2004-12-15
Quad Summary: F	airfield South (3812221/482A)					
County Summary: S						
Lat/Long: 3	8.19264º / -122.01669º			Township:	04N	
	one-10 N4227647 E586106			Range:	01W	
Area: Elevation:	) ft	Mapping Precision		Section: Meridian:		Qtr: XX
		Symbol Type:F		wendiari:	IVI	
	RUSH RANCH, NORTH OF CUTOFF SL	OUGH.				
Ecological: T						
	INKNOWN NUMBER CAPTURED BY H	IAYS AT 3 SITES NORTH OF CUTO	FF SLOUGH FOR A MAS	IERS THESIS PR	ROJECT A	I UCB.
Owner/Manager: S	OLANO LAND TRUST					
Occurrence No. 1	5 Map Index: 09779	EO Index: 58	700	—	Dates Las	t Seen
Occ Rank: U	Inknown			E		1986-XX-XX
-	latural/Native occurrence				Site:	1986-XX-XX
Presence: P Trend: U	Presumed Extant Inknown			Record Last	Updated:	2004-12-15
Quad Summary: F	airfield South (3812221/482A)					
County Summary: S						
Lat/Long: 3	8.19685º / -122.03996º			Township:	04N	
UTM: Z	Zone-10 N4228092 E584063			Range:	02W	
Radius: 1		Mapping Precision		Section:		Qtr: XX
Elevation: 3	3 ft	Symbol Type:	POINT	Meridian:	М	
	AST SIDE OF SUISUN SLOUGH, APPI					
Ecological: H	ABITAT CONSISTS OF DIKED MARSH	I DOMINATED BY SALICORNIA WI	TH LESSER AMOUNTS C	F DISTICHLIS.		
General: U	INKNOWN NUMBER TRAPPED BY WE	SCO IN 1986.				
Owner/Manager: D	FG-GRIZZLY ISLAND WA					
Occurrence No. 1	6 Map Index: 58665	EO Index: 58	701		Dates Las	t Seen —
Occ Rank: U				E		1986-XX-XX
-	latural/Native occurrence				Site:	1986-XX-XX
Presence: P Trend: U	Presumed Extant Inknown			Record Last	Updated:	2004-12-15
	airfield South (3812221/482A)					
County Summary: S	ι ,					
Lat/Long: 3	8.18472º / -122.05050º			Township:	04N	
-	Zone-10 N4226737 E583154			Range:		
Radius: 1		Mapping Precision		Section:		Qtr: XX
Elevation: 9	9 ft	Symbol Type:	POINT	Meridian:	М	
Location: V	OLANTI DUCK CLUB EAST OF SUISU	N SLOUGH AND NORTH OF VOLA	NTI SLOUGH.			

Suisun Marsh aster			nent Code: PDASTE8470	
Federal: None State: None	us —————————	<ul> <li>NDDB Element Ranks</li> <li>Global: G2</li> <li>State: S2.2</li> </ul>	Other Lists     CNPS List:	1B.2
Habitat As	ssociations —			
	ES AND SWAMPS (BRACKISH AND FRE	ESHWATER).		
Micro: MOST C	OFTEN SEEN ALONG SLOUGHS WITH F	PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA,	ETC. 0-3M.	
Occurrence No.	. 9 Map Index: 09843	EO Index: 17227	Dat	es Last Seen
Occ Rank:	•		Elen	nent: 2000-09-12
Origin:	Natural/Native occurrence		:	Site: 2000-09-12
	Presumed Extant		Peperd Last Un	dated: 2007-12-27
Trend:	Unknown		Record Last Opt	Jated: 2007-12-27
-	: Fairfield South (3812221/482A), Denvert	ton (3812128/481B)		
County Summary	: Solano			
	38.21736º / -122.03272º		Township: 04	
	Zone-10 N4230375 E584673		Range: 02	
Area: Elevation:	1,558.0 acres	Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: 01 Meridian: M	Qtr: XX
Ecological Threat:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS.	ING MUCH OF HILL SLOUGH, PEYTONIA SLOUG IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH	A, AND JUNCUS.
Ecological Threat: General:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA.	CIATED WITH SCIRPUS, TYPH	A, AND JUNCUS.
Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 res Last Seen nent: 1993-10-XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 res Last Seen
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 res Last Seen nent: 1993-10-XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A)	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX
Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) : Solano 38.162239 / -122.061920	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 res Last Seen nent: 1993-10-XX Site: 1993-10-XX lated: 2007-12-03
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown 5 Fairfield South (3812221/482A) 5 Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. 'AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, — Dat Elen Record Last Upo Township: 044 Range: 02	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen tent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179 220.0 acres	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 res Last Seen nent: 1993-10-XX Site: 1993-10-XX lated: 2007-12-03
Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown Fairfield South (3812221/482A) Solano Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179 220.0 acres 0 ft	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04 Range: 02 Section: 26 Meridian: M	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen tent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: Lat/Long: Lat/Long: Lat/Long: Lat/Long: Lat/Long:	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown E Fairfield South (3812221/482A) : Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179 220.0 acres 0 ft : ALONG SUISUN SLOUGH FROM JUST	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04 Range: 02 Section: 26 Meridian: M F JOYCE (JOICE) ISLAND.	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03 N W Qtr: <i>N</i>
Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Detail	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown E Fairfield South (3812221/482A) Solano Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179 220.0 acres 0 ft ALONG SUISUN SLOUGH FROM JUST SEVERAL COLONIES MAPPED MOSTI ON MARSHY LAND ON LAND SIDE OF	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150 Mapping PrecisionSPECIFIC Symbol Type:POLYGON TE OF WELLS SLOUGH S PAST ROOS CUT, W O LY ALONG THE W SHORE OF SUISUN SLOUGH / CLEVEE, MOSTLY ASSOCIATED WITH BOAT DITE	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04 Range: 02 Section: 26 Meridian: M F JOYCE (JOICE) ISLAND. AND ABOUT 0.25 MILE UP ROC CH.	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03 N W Qtr: <i>N</i> S CUT. FEW PLANTS NOTE
Ecological Threat: General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Detail	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown E Fairfield South (3812221/482A) Solano Solano 38.16223° / -122.06192° Zone-10 N4224231 E582179 220.0 acres 0 ft ALONG SUISUN SLOUGH FROM JUST SEVERAL COLONIES MAPPED MOSTI ON MARSHY LAND ON LAND SIDE OF	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04 Range: 02 Section: 26 Meridian: M F JOYCE (JOICE) ISLAND. AND ABOUT 0.25 MILE UP ROC CH.	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03 N W Qtr: <i>N</i> S CUT. FEW PLANTS NOTE
Ecological Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	BRACKISH SLOUGHS AND RIVERBAN SOME BICYCLE AND FOOT TRAFFIC MAIN SOURCE FOR SITE IS MAP DET NEAR TIDAL SLOUGHS. UNKNOWN 14 Map Index: 09708 Good Natural/Native occurrence Presumed Extant Unknown 38.16223°/-122.06192° Zone-10 N4224231 E582179 220.0 acres 0 ft ALONG SUISUN SLOUGH FROM JUST SEVERAL COLONIES MAPPED MOSTI ON MARSHY LAND ON LAND SIDE OF SCATTERED GROUPS OF PLANTS FO LATIPES, SOLIDAGO, LATHYRUS JEP	IKS AFFECTED BY TIDAL FLUCTUATIONS. ASSO THROUGH AREA. AIL FROM DWR REPORT (1994). INCLUDES FOR EO Index: 27150	CIATED WITH SCIRPUS, TYPH MER OCCURRENCES #10, 11, —— Dat Elen Record Last Upo Township: 04 Range: 02 Section: 26 Meridian: M F JOYCE (JOICE) ISLAND. AND ABOUT 0.25 MILE UP ROC CH. RPUS AT EDGE OF SUISUN SLO	A, AND JUNCUS. 22, 99, & 100. SEEN IN 2000 tes Last Seen nent: 1993-10-XX Site: 1993-10-XX Jated: 2007-12-03 N W Qtr: <i>N</i> OCT: FEW PLANTS NOTE DUGH. WITH LEPIDIUM

Suisun Marsh aster				nt Code: PDASTE8470		
Federal: None State: None	us ———		NDDB Element Ranks Global: G2 State: S2.2	Other Lists     CNPS Li	st: 1B.2	
	sociations —					
	ES AND SWAMPS (BR) OFTEN SEEN ALONG S		HWATER). RAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ET	°C. 0-3M.		
Occurrence No.	. 28 <b>Ma</b> j	p Index: 21622	EO Index: 6309		Dates La	st Seen
Occ Rank:				E		1994-07-XX
-	Natural/Native occurrer Presumed Extant	nce			Site:	1994-07-XX
	Unknown			Record Last	Updated:	2007-12-04
Quad Summary:	Dozier (3812137/498D)	)				
County Summary	: Solano					
Lat/Long:	38.26221º / -121.77834	4°		Township:	05N	
	Zone-10 N4235614 E6	06877		Range:		
Area: Elevation:	82.0 acres		Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Section: Meridian:		Qtr: XX
C C			DENSE STREAMSIDE HERBACEOUS VEGETATIO JS JEPSONII JEPSONII, LIMOSELLA SUBULATA, A			
General:	130+ PLANTS OBSER	VED IN 1994 BY W	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA I RESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY	A FEW PL	
General:	130+ PLANTS OBSER POPULATION WERE #12. : BOR, DWR, DFG	VED IN 1994 BY W	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN	A FEW PL	FORMER OCCURR
General: Owner/Manager Occurrence No Occ Rank:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair	VED IN 1994 BY W TRANSPLANTED IN D Index: 21627	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN	A FEW PL CLUDES F Dates Las Element:	FORMER OCCURR st Seen
General: Owner/Manager Occurrence No Occ Rank: Origin:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurren	VED IN 1994 BY W TRANSPLANTED IN D Index: 21627	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN	A FEW PL CLUDES F Dates Las Element:	St Seen
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair	VED IN 1994 BY W TRANSPLANTED IN D Index: 21627	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN	A FEW PL CLUDES F Dates Las Element: Site:	St Seen
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurren Presumed Extant Unknown Rio Vista (3812126/480	VED IN 1994 BY W TRANSPLANTED IN D Index: 21627	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN 	A FEW PL CLUDES F Dates Las Element: Site:	St Seen
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurrer Presumed Extant Unknown Rio Vista (3812126/480 : Sacramento	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	ILLY CONSIST OF ONLY IG BARKER SLOUGH. IN 	A FEW PL CLUDES F Dates La: Element: Site: Updated:	St Seen
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurrer Presumed Extant Unknown Rio Vista (3812126/480 : Sacramento 38.16117º / -121.6737	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B)	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN  Record Last  Township:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N	St Seen
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurren Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117° / -121.67374 Zone-10 N4224528 E6	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B)	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA N RESPONSE TO A REVETMENT PROJECT ALON EO Index: 14101	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN Record Last Township: Range:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E	FORMER OCCURR           st Seen           1990-04-10           1990-04-10           2005-09-09
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurren Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117° / -121.67374 Zone-10 N4224528 E6	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B)	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA NRESPONSE TO A REVETMENT PROJECT ALON	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN  Record Last  Township:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E 29	St Seen
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurrer Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117º / -121.67374 Zone-10 N4224528 E6	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce DB) 30 16185	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA N RESPONSE TO A REVETMENT PROJECT ALON EO Index: 14101 Mapping PrecisionNON-SPECIFIC	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN  Record Last Township: Range: Section:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E 29	FORMER OCCURR           st Seen           1990-04-10           1990-04-10           2005-09-09
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurrer Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117° / -121.6737 Zone-10 N4224528 E6 5 ft BRANNAN ISLAND, 0. GROWING ON SEDIM	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B) 30 16185 5 MILE NORTH OF ENTS AND FINES I	REATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA N RESPONSE TO A REVETMENT PROJECT ALON EO Index: 14101 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON	ILLY CONSIST OF ONLY IG BARKER SLOUGH. IN Record Last Township: Range: Section: Meridian:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E 29 M	FORMER OCCURR           1990-04-10           1990-04-10           2005-09-09           Qtr: XX
General: Owner/Manager Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Ecological	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurrer Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117° / -121.6737 Zone-10 N4224528 E6 5 ft BRANNAN ISLAND, 0. GROWING ON SEDIM	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B) 39 16185 5 MILE NORTH OF ENTS AND FINES I OPSIS MASONII, JU	EATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA N RESPONSE TO A REVETMENT PROJECT ALON EO Index: 14101 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON RIO VISTA BRIDGE ALONG STATE ROUTE 160. DEPOSITED ON SUBSIDED RIPRAP. ASSOCIATE UNCUS, AND MIMULUS.	ILLY CONSIST OF ONLY IG BARKER SLOUGH. IN Record Last Township: Range: Section: Meridian:	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E 29 M	FORMER OCCURR           1990-04-10           1990-04-10           2005-09-09           Qtr: XX
General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Ecological Threat:	130+ PLANTS OBSER POPULATION WERE #12. BOR, DWR, DFG 29 Maj Fair Natural/Native occurren Presumed Extant Unknown Rio Vista (3812126/480 Sacramento 38.16117° / -121.67374 Zone-10 N4224528 E6 5 ft BRANNAN ISLAND, 0. GROWING ON SEDIM BONARIENSIS, LILAE LEVEE MAINTENANC	VED IN 1994 BY W TRANSPLANTED IN p Index: 21627 nce )B) 39 16185 5 MILE NORTH OF ENTS AND FINES I OPSIS MASONII, JI E THREATENS THI	EATENS PART OF THIS SITE. ITHAM AND KAREOFELAS. POPULATIONS USUA N RESPONSE TO A REVETMENT PROJECT ALON EO Index: 14101 Mapping PrecisionNON-SPECIFIC Symbol Type:POLYGON RIO VISTA BRIDGE ALONG STATE ROUTE 160. DEPOSITED ON SUBSIDED RIPRAP. ASSOCIATE UNCUS, AND MIMULUS.	LLY CONSIST OF ONLY IG BARKER SLOUGH. IN Record Last Township: Range: Section: Meridian: S INCLUDE SCIRPUS CA	A FEW PL CLUDES F Dates La: Element: Site: Updated: 04N 03E 29 M	Seen

Suisun Marsh aster				ent Code: PDASTE8470		
State	us —	NDDB Eleme		Other Lists		
Federal: None State: None		Global: G2 State: S2		CNPS L	.ist: 1B.2	
		Sidie. 32	.2			
Habitat As						
	IES AND SWAMPS (BRACKISH	,				
MICTO: MOSI (	JETEN SEEN ALONG SLOUGHS	S WITH PHRAGMITES, SC	RPUS, BLACKBERRY, TYPHA, E	:TC. 0-3M.		
						_
Occurrence No.	•	10855	EO Index: 7762		Dates Las	
Occ Rank:						1990-07-26 1990-07-26
-	: Natural/Native occurrence : Presumed Extant				Site:	1990-07-26
				Record Las	t Updated:	1993-06-02
					-	
Quad Summary:	: Rio Vista (3812126/480B)					
County Summary	: Sacramento					
Lat/Long:	: 38.13517º/-121.68693º			Township:	03N	
-	Zone-10 N4221627 E615074			Range:		
Radius:	80 meters	Ma	pping PrecisionSPECIFIC	Section:	6	Qtr: XX
Elevation:	: 0 ft		Symbol Type:POINT	Meridian:	М	
Location	EAST BANK OF SACRAMENT	0 RIVER 25 KM (15 MI) 9	OUTH OF THE RIO VISTA BRIDO	3E		
			Y 160 AND HWY 12 ON THE WE			
Ecological			ATION WITH LILAEOPSIS MASO			
			ENIUM, PASPALUM. NEAR SHOP	LE ASSUCIATES INCLUD		, SALIA, AND KUBUS
Threat:	THIS SITE IS THREATENED B	Y TRAMPLING FROM REC	REATIONAL USE.			
General:	: AREA BETWEEN THIS SITE A	ND BRIDGE UNSURVEYEI	, ADDITIONAL PLANTS MAY OC	CUR.		
Owner/Manager	: PVT					
Occurrence No.	. 57 Map Index:	37566	EO Index: 32568		Dates Las	st Seen
Occ Rank:	•	0,000				1994-07-XX
	Natural/Native occurrence				Site:	1994-07-XX
Presence:	Presumed Extant					
Trend:	Unknown			Record Las	t Updated:	2007-12-28
Quad Summary	: Dozier (3812137/498D)					
-	. ,					
County Summary	. 30/8/10					
	: 38.25976°/-121.80309°			Township:		
	Zone-10 N4235314 E604715			Range:		Otre DW/
Elevation:	10.0 acres	IVIA	pping PrecisionSPECIFIC Symbol Type:POLYGON	Section: Meridian:		Qtr: SW
Lievation						
Location	: ALONG CALHOUN CUT AND I	N ELBOW OF CALHOUN C	UT SIDE BRANCH.			
Location Detail	I: MAPPED ACCORDING TO A 1	994 WITHAM & KAREOFE	AS FIELD SURVEY FORM.			
Ecological	USUALLY IN DENSE STREAM	SIDE HERBACEOUS VEGI	TATION ON THE LIP OF CUTBA	NKS: OFTEN OBSERVED	HANGING	OUT OVER THE
			HYRUS JEPSONII JEPSONII ANI			
Conoral			) PLANTS IN EACH. POPULATIO			
General:			DES WITH S. CHILENSE (ASTER			
0			- (	,		
Owner/Manager	: DFG-CALHOUN CUT ER					
		07000			Detro	at Saan
<b>0</b>	•	37600	EO Index: 32602		Dates Las	1993-10-XX
Occurrence No.	LINKDOWD				Site:	1993-10-XX 1993-10-XX
Occ Rank:					one.	
Occ Rank: Origin:	Natural/Native occurrence					1997-11-12
Occ Rank: Origin: Presence:				Record Las	t Updated:	1007 11 12
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant Unknown			Record Las	t Updated:	
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence Presumed Extant	eld South (3812221/482A)		Record Las	t Updated:	
Occ Rank: Origin: Presence: Trend:	Natural/Native occurrence     Presumed Extant     Unknown     Vine Hill (3812211/482D), Fairfi	eld South (3812221/482A)		Record Las	t Updated:	
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Natural/Native occurrence     Presumed Extant     Unknown     Vine Hill (3812211/482D), Fairfi	eld South (3812221/482A)				
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	: Natural/Native occurrence : Presumed Extant : Unknown : Vine Hill (3812211/482D), Fairfi : Solano	eld South (3812221/482A)		Record Las Township: Range:	03N	
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfi</li> <li>r: Solano</li> <li>38.12589° / -122.06173°</li> <li>Zone-10 N4220198 E582237</li> </ul>		pping PrecisionNON-SPECIFIC	Township:	03N 02W	Qtr: XX
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfire</li> <li>Solano</li> <li>38.12589° / -122.06173°</li> <li>Zone-10 N4220198 E582237</li> </ul>		pping PrecisionNON-SPECIFIC Symbol Type:POLYGON	Township: Range:	03N 02W 11	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfi</li> <li>Solano</li> <li>38.12589° / -122.06173° Zone-10 N4220198 E582237</li> <li>0 ft</li> </ul>	Ma	Symbol Type:POLYGON	Township: Range: Section: Meridian:	03N 02W 11	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfi</li> <li>Solano</li> <li>38.12589° / -122.06173° Zone-10 N4220198 E582237</li> <li>0 ft</li> <li>SOUTH END OF JOICE ISLAN</li> </ul>	M: D, ALONG MOUTH OF SUI	Symbol Type:POLYGON SUN SLOUGH AND GRIZZLY BA	Township: Range: Section: Meridian:	03N 02W 11	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfi</li> <li>Solano</li> <li>38.12589° / -122.06173° Zone-10 N4220198 E582237</li> <li>0 ft</li> </ul>	M: D, ALONG MOUTH OF SUI	Symbol Type:POLYGON SUN SLOUGH AND GRIZZLY BA	Township: Range: Section: Meridian:	03N 02W 11	
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail	Natural/Native occurrence     Presumed Extant     Unknown      Vine Hill (3812211/482D), Fairfi     Solano      38.12589° / -122.06173°     Zone-10 N4220198 E582237      0 ft      SOUTH END OF JOICE ISLAN      I:SEVERAL COLONIES MAPPEI	Ma D, ALONG MOUTH OF SUI D ALONG APPROXIMATEL	Symbol Type:POLYGON SUN SLOUGH AND GRIZZLY BA	Township: Range: Section: Meridian: Y.	03N 02W 11 X	Qtr: XX
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location Detail Ecological	<ul> <li>Natural/Native occurrence</li> <li>Presumed Extant</li> <li>Unknown</li> <li>Vine Hill (3812211/482D), Fairfire</li> <li>Solano</li> <li>38.12589° / -122.06173°</li> <li>Zone-10 N4220198 E582237</li> <li>0 ft</li> <li>SOUTH END OF JOICE ISLAN</li> <li>I:SEVERAL COLONIES MAPPEI</li> <li>I: BRACKISH SLOUGHS AND RI</li> </ul>	M D, ALONG MOUTH OF SUI D ALONG APPROXIMATEL VERBANKS AFFECTED B	Symbol Type:POLYGON SUN SLOUGH AND GRIZZLY BA Y 1 MILE OF THE SHORELINE.	Township: Range: Section: Meridian: Y. CIATED WITH SCIRPUS, 1	03N 02W 11 X	Qtr: XX D JUNCUS.

Suisun Marsh aster State	us	NDDB Element Ranks	Code: PDASTE8470 — Other Lists — — — — — — — — — — — — — — — — — —
Federal: None State: None		Global: G2 State: S2.2	CNPS List: 1B.2
	sociations — ES AND SWAMPS (BRACKISH AND FRESH	WATER).	
		AGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC.	. 0-3M.
Occurrence No.	. 88 Map Index: 37601	EO Index: 32603	Dates Last Seen
Occ Rank:	Unknown Natural/Native occurrence		Element: 1993-10-XX Site: 1993-10-XX
Presence:	Presumed Extant Unknown		Record Last Updated: 1997-11-12
Quad Summary: County Summary	Denverton (3812128/481B), Honker Bay (38 : Solano	12118/481C)	
-	38.12608º / -121.88995º		Township: 03N
	Zone-10 N4220386 E597293 1/10 mile	Mapping PrecisionNON-SPECIFIC	Range: 01E Section: 05 Qtr: XX
Elevation:		Symbol Type:POINT	Meridian: M
		TEZUMA SLOUGH OPPOSITE GRIZZLY ISLAND, AE	3OUT 0.6 MILE WEST OF MOLENA.
	ONE COLONY MAPPED.		
-		AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIAT	
General:	RESOURCES IN SUISUN MARSH DURING		ORT "SUMMARY OF SENSITIVE PLANT AND WILDLIF
Owner/Manager	UNKNOWN		
Occurrence No.	. 89 Map Index: 37602	EO Index: 32604	Dates Last Seen
Occ Rank:			Element: 1993-10-XX Site: 1993-10-XX
-	Natural/Native occurrence Presumed Extant		Site. 1993-10-XX
Trend:	Unknown		Record Last Updated: 1997-11-12
Quad Summary: County Summary	Honker Bay (3812118/481C), Denverton (38 : Solano	12128/481B)	
-	38.12508º/-121.91551º		Township: 03N
UTM: Area:	Zone-10 N4220248 E595054	Mapping PrecisionNON-SPECIFIC	Range: 01W Section: 12 Qtr: XX
Elevation:	0 ft	Symbol Type:POLYGON	Meridian: M
Location	EAST SIDE OF GRIZZLY ISLAND ALONG I	MONTEZUMA SLOUGH, ABOUT 2.1 MILES WEST C	OF MOLENA.
Location Detail	TWO COLONIES MAPPED.		
Ecological	BRACKISH SLOUGHS AND RIVERBANKS	AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIAT	ED WITH SCIRPUS, TYPHA, AND JUNCUS.
General:	MAIN SOURCE OF INFORMATION FOR TH RESOURCES IN SUISUN MARSH DURING		ORT "SUMMARY OF SENSITIVE PLANT AND WILDLIF
Owner/Manager			
	. 90 Map Index: 37604	EO Index: 32606	Dates Last Seen
Occurrence No.	Unknown		Element: 1993-10-XX Site: 1993-10-XX
Occ Rank:			Sile. 1995-10-XX
Occ Rank: Origin: Presence:	Natural/Native occurrence Presumed Extant		Record Last Undated: 1997-11-12
Occ Rank: Origin: Presence: Trend:	Presumed Extant Unknown		Record Last Updated: 1997-11-12
Occ Rank: Origin: Presence: Trend: Quad Summary:	Presumed Extant Unknown Denverton (3812128/481B)		Record Last Updated: 1997-11-12
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Presumed Extant Unknown Denverton (3812128/481B) : Solano		
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Presumed Extant Unknown Denverton (3812128/481B)		Record Last Updated: 1997-11-12 Township: 03N Range: 01E
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.13525° / -121.91468° Zone-10 N4221378 E595114 1/10 mile	Mapping PrecisionNON-SPECIFIC Symbol Type:POINT	Township: 03N
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.13525°/-121.91468° Zone-10 N4221378 E595114 1/10 mile 0 ft		Township: 03N Range: 01E Section: 06 Qtr: XX Meridian: M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.13525°/-121.91468° Zone-10 N4221378 E595114 1/10 mile 0 ft	Symbol Type:POINT	Township: 03N Range: 01E Section: 06 Qtr: XX Meridian: M
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Detail	Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.13525° / -121.91468° Zone-10 N4221378 E595114 1/10 mile 0 ft : EAST SIDE OF GRIZZLY ISLAND ALONG I : ONE COLONY MAPPED.	Symbol Type:POINT	Township: 03N Range: 01E Section: 06 Qtr: XX Meridian: M

<b>_</b>			Element Code: PD/	ASTE8470 ther Lists		
Federal: None State: None	15	NDDB Element Ranks     Global: G2     State: S2.2	0		ist: 1B.2	
Habitat As						
	ES AND SWAMPS (BRACKISH AN	ND FRESHWATER). WITH PHRAGMITES, SCIRPUS, BL				
	FTEN SEEN ALONG SLOUGHS	WITH FHRAGINITES, SCIRFUS, BL	ACKBERRT, TIFHA, ETC. 0-3M.			
Occurrence No	. 91 Map Index: 3	37605 EO Ind	ex: 32607		Dates Las	st Seen ———
Occ Rank:						1993-10-XX 1993-10-XX
-	Natural/Native occurrence Presumed Extant				Sile.	1993-10-77
Trend:	Unknown			Record Last	Updated:	1997-11-12
Quad Summary	: Denverton (3812128/481B)					
County Summary	: Solano					
Lat/Long:	: 38.14810º/-121.90909º			Township:	04N	
	Zone-10 N4222809 E595587			Range:		
Area: Elevation	: 0 ft		cisionNON-SPECIFIC I Type:POLYGON	Section: Meridian:		Qtr: XX
		-				
		AND UNNAMED SIDE SLOUGH SC	UTH OF KIRBY HILL.			
	EIGHT COLONIES MAPPED AS					
-			UCTUATIONS. ASSOCIATED WITH			
General		ON FOR THIS SITE IS MAP DETAIL H DURING WATER YEARS 1984-19	PROVIDED BY DWR REPORT "SUM 994" (1994).	IMARY OF S	SENSITIVE	PLANT AND WILDLIF
Owner/Manager	: UNKNOWN					
Occurrence No	. 92 Map Index: 3	37606 FO Ind	ex: 32608		Dates Las	st Seen
Occ Rank:	•					1999-XX-XX
Origin:	Natural/Native occurrence				Site:	1999-XX-XX
	Presumed Extant Unknown			Record Last	Undated:	2000-08-23
					-	
Quad Summary County Summary	: Denverton (3812128/481B) : Solano					
	38.16801º / -121.93248º			Township:	04N	
-	Zone-10 N4224995 E593512			Range:		
	6.5 acres		cisionSPECIFIC	Section:		Qtr: XX
Elevation	0 ft	Symbo	I Type:POLYGON	Meridian:	М	
Location	: NE END OF GRIZZLY ISLAND, E	OTH SIDES OF MONTEZUMA SLC	UGH JUST SOUTH OF CONFLUENC	CE WITH NU	RSE SLOU	IGH, SUISUN MARSH
Location Detai	I: TWO COLONIES MAPPED.					
Ecological	BRACKISH SLOUGHS AND RIVE	ERBANKS AFFECTED BY TIDAL FL	UCTUATIONS. ASSOCIATED WITH	SCIRPUS, T	YPHA, ANI	D JUNCUS.
General		ON FOR THIS SITE IS MAP DETAIL	PROVIDED BY DWR REPORT (1994	4). ADDITION	NAL INFO F	ROM 1999 MAP BY 1
	STATE LANDS COMMISSION.					
	: UNKNOWN					
Owner/Manager					Dates Las	st Seen
Owner/Manager Occurrence No	. 93 Map Index: S	37607 EO Ind	ex: 32609			1993-10-XX
Occurrence No Occ Rank:	Unknown	37607 EO Ind	<b>эх:</b> 32609		Element:	
Occurrence No Occ Rank: Origin:	Unknown Natural/Native occurrence	37607 EO Ind	эх: 32609		Element:	1993-10-XX
Occurrence No Occ Rank: Origin: Presence:	Unknown	37607 EO Ind			Element: Site:	
Occurrence No Occ Rank: Origin: Presence: Trend:	Unknown Natural/Native occurrence Presumed Extant Unknown	37607 EO Ind			Element: Site:	1993-10-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B)	37607 EO Ind			Element: Site:	1993-10-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano	37607 EO Ind		Record Last	Element: Site: Updated:	1993-10-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long:	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B)	37607 EO Ind			Element: Site: Updated: 04N	1993-10-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius:	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano : 38.18452° / -121.90220° Zone-10 N4226857 E596143 1/10 mile	Mapping Pre	ncisionNON-SPECIFIC	Record Last Township: Range: Section:	Element: Site: Updated: 04N 01E 18	1993-10-XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano : 38.18452° / -121.90220° Zone-10 N4226857 E596143 1/10 mile	Mapping Pre		Record Last Township: Range:	Element: Site: Updated: 04N 01E 18	1993-10-XX 1997-11-12
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.18452° / -121.90220° Zone-10 N4226857 E596143 1/10 mile 0 ft	Mapping Pre Symbo	ncisionNON-SPECIFIC	Record Last Township: Range: Section: Meridian:	Element: Site: Updated: 04N 01E 18 M	1993-10-XX 1997-11-12 Qtr: XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano 38.18452° / -121.90220° Zone-10 N4226857 E596143 1/10 mile 0 ft	Mapping Pre Symbo	cisionNON-SPECIFIC Type:POINT	Record Last Township: Range: Section: Meridian:	Element: Site: Updated: 04N 01E 18 M	1993-10-XX 1997-11-12 Qtr: XX
Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Location Detai	Unknown Natural/Native occurrence Presumed Extant Unknown Denverton (3812128/481B) : Solano : 38.18452° / -121.90220° Zone-10 N4226857 E596143 1/10 mile : 0 ft : EAST OF BRADMOOR ISLAND / : ONE COLONY MAPPED.	Mapping Pre Symbo ALONG UNNAMED SLOUGH EAST	cisionNON-SPECIFIC Type:POINT	Township: Range: Section: Meridian: MILE WES1	Element: Site: Updated: 04N 01E 18 M OF GARF	1993-10-XX 1997-11-12 <b>Qtr:</b> XX IELD.

Suisun Marsh aster State	IS	NDDB Element Ranks	Element Code: PDASTE8470 Other Lists	
Federal: None State: None		Global: G2 State: S2.2	CNPS List: 1B.2	
Habitat As     General: MADOU	sociations — ES AND SWAMPS (BRACKISH AND FRESH			
	OFTEN SEEN ALONG SLOUGHS WITH PHR.	,	'PHA, ETC. 0-3M.	
Occurrence No.	. 94 Map Index: 37608	EO Index: 32610	Dates La	st Seen
Occ Rank:	•		Element:	1993-10-XX 1993-10-XX
	Presumed Extant Unknown		Record Last Updated	: 1997-11-12
Quad Summary: County Summary	Denverton (3812128/481B) : Solano			
Lat/Long:	38.21611º/-121.90525º		Township: 04N	
UTM: Area:	Zone-10 N4230360 E595834	Manning ProvisionNON SP	Range: 01E	Qtr: XX
Elevation:	0 ft	Mapping PrecisionNON-SP Symbol Type:POLYGC		QU. ^^
Location	DENVERTON SLOUGH, FROM MOUTH NO	ORTH ABOUT 2 MILES.		
Location Detail	SEVERAL COLONIES MAPPED ALONG TH	E LENGTH OF THE SLOUGH.		
Ecological	BRACKISH SLOUGHS AND RIVERBANKS	AFFECTED BY TIDAL FLUCTUATIONS.	ASSOCIATED WITH SCIRPUS, TYPHA, AN	ID JUNCUS.
General:	MAIN SOURCE OF INFORMATION FOR TH RESOURCES IN SUISUN MARSH DURING		DWR REPORT "SUMMARY OF SENSITIVE	PLANT AND WILDLI
Owner/Manager:	UNKNOWN			
Occurrence No.	95 Map Index: 37609	EO Index: 32611	Dates La	
Occ Rank:				1993-10-XX 1993-10-XX
-	Natural/Native occurrence Presumed Extant		one.	1999-10-22
Trend:	Unknown		Record Last Updated	: 1997-11-12
	Denverton (3812128/481B)			
County Summary	: Solano			
-	38.20383º / -121.92229º Zone-10 N4228979 E594359		Township: 04N Range: 01W	
Area:		Mapping PrecisionNON-SP	-	Qtr: XX
Elevation:	0 ft	Symbol Type:POLYGO	N Meridian: M	
	CONFLUENCE OF MONTEZUMA SLOUGH		DMOOR ISLAND.	
	TWO COLONIES MAPPED AS ONE POLYC			
-	BRACKISH SLOUGHS AND RIVERBANKS			
General:	MAIN SOURCE OF INFORMATION FOR TH RESOURCES IN SUISUN MARSH DURING		DWR REPORT "SUMMARY OF SENSITIVE	PLANT AND WILDLI
Owner/Manager:	UNKNOWN			
Occurrence No.		EO Index: 32612		st Seen
Occ Rank:	Unknown Natural/Native occurrence			1993-10-XX 1993-10-XX
U U	Presumed Extant		Site:	1000 10-77
	Unknown		Record Last Updated	1997-11-12
-	Denverton (3812128/481B)			
County Summary				
	38.21225° / -121.92390° Zopo 10 N4229912 E594207		Township: 04N	
-	Zone-10 N4229912 E594207	Mapping PrecisionNON-SP	ECIFIC Section: 12	Qtr: XX
-		Symbol Type:POLYGO		
UTM:	0 ft	Symbol Type: FOLTGC		
UTM: Area: Elevation: Location	UPPER LUCO SLOUGH, NORTH OF BRAD	MOOR ISLAND AND NORTHEAST OF L		
UTM: Area: Elevation: Location Location Detail	UPPER LUCO SLOUGH, NORTH OF BRAD	MOOR ISLAND AND NORTHEAST OF L MATELY 0.5 MILE OF THE SLOUGH AS	ONE POLYGON AT CNDDB.	
UTM: Area: Elevation: Location Location Detail Ecological	UPPER LUCO SLOUGH, NORTH OF BRAD	MOOR ISLAND AND NORTHEAST OF L MATELY 0.5 MILE OF THE SLOUGH AS AFFECTED BY TIDAL FLUCTUATIONS.	ONE POLYGON AT CNDDB. ASSOCIATED WITH SCIRPUS, TYPHA, AN	

Status         NDDE Element Rants         Other Lats           Pederat: None         State: S22         CRVPS List: 10.2           Habit Association         State: S22         CRVPS List: 10.2           Habit Association         State: S22         CRVPS List: 10.2           Habit Association         State: S22         CRVPS List: 10.2           Hore: NGCT CPTE SETE ALLOWARD ERSONANDE (STACKISH AND FREENWATER).         ED Index: 32613         Date List Setem           Occurrence No. 97         Map Index: 37611         EO Index: 32613         Date List Setem           Occurrence No. 97         Map Index: 37611         EO Index: 32613         Date List Setem           Occurrence No. 97         Map Index: 37611         EO Index: 32613         Date List Setem           Courd Summary: Status         Travership: GAN         Record List Update: 1997-11-12           Oued Summary: Status         Travership: GAN         Record List Update: 1997-11-12           Cuestion: ACMON MONTEZUMA SLOUGH BETWEEN PROST SLOUGH AND BELODEN LANDINS, SUSDIM Markst.         Leastories: AND SURGE CONSTRUME APEROMATICS AND PROVINCE LINES OF THE SLOUGH           Leastories: AND SURGE CONSTRUMENT PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS AND PROVED APEROMATICS AND PROVINCE APEROMATICS AND PROVINCE APEROMATICS	Suisun Marsh aster		NDDB Element Ranks	Element Code: PDASTE8470 Other Lists	
General: MASIES AND SWARPS (BRACKISH AND FRESHWATTER). Mitro: MOST OFTEN SEEN ALONG SUDURIS WITH PHACKITTES, SCIRPUS, BLACKEERY, TYPHA, ETC. 0.5M. Occ: Sank: Unission Occ: Sank: Unission Origin: NuturiNative occurrence Presence: Presume Etails Tream: Unission Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI312128/4015) Courty Summary: Denertion (SI3128/4015) Courty Summary: Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3128/4015) Courty Summary: Fairfield South (SI3	Federal: None	15	Global: G2		
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRACMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-301.           Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRACMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-301.         Element: 1000-XXXX           Occor Ram: Unknown         Ster: 1999-XXXX         Element: 1000-XXXX           Origin: Narufallanier occurrence         Ster: 1999-XXXX         Record Last Update: 1197-11-12           Ound Summary: Solano         LastLong: 30,17191-121,082361         Township: 0.011         Range: 0.01           County Summary: Solano         Symbol Type/ROLYGON         Reader         Mariatar: 41           Lecation: ALONG NOT/EZUMA SLOUGH BETWEEN PROST SLOUGH AND BELOONS LANDING, SUSUM MARSH         Lecation: ALONG NOT/EZUMA SLOUGH BETWEEN PROST SLOUGH AND BELOONS LANDING, SUSUM MARSH           Lecation: ALONG NOT/EZUMA SLOUGH BETWEEN PROST SLOUGH AND BELOONS LANDING, SUSUM MARSH         Elevalue: 10, 10, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2					
Occurrance No. 97         Map Index: 37511         EQ Index: 32613         — Dates Last Seen           Occ Rank: Unknown         Bernent: 1995-XX-XX         Stite: 1995-XX-XX           Presence: Presumed Etant         Record Last Unknown         Record Last Unknown           Cuidd Summary: Dervention (381/2139/4818)         County Summary: Solario         Township: SM           LastUbergis 31.75111/1-121 502561         Township: SM         Range: DW           Mapping Precision/ON-SPECIFIC         Section: Z2         Qr: XX           Elevation: 0.R         Symbol Type/POLYCOIN         Mapping Precision/ON-SPECIFIC         Section: Z2         Qr: XX           Elevation: 0.R         Symbol Type/POLYCOIN         Mapping Precision/ON-SPECIFIC         Section: Z2         Qr: XX           Elevation: 0.R         Symbol Type/POLYCOIN         Mapping Precision/ON-SPECIFIC         Section: Z2         Qr: XX           Cocation: DealtiNUMREDUS COLONIES AND RUVERBANKS AFFECTED BY TIDAL FLUCTUATIONS ADMARKY OF SENERTIS         Mapping Precision/ON-SPECIFIC         Section: Z1         Mapping Precision/ON-SPECIFIC         Section: Z1         Dates Last Seen         Elevation: Z1         Dates Last Seen         Elevation: Mittaliant Admittaliant M		,	,	PHA, ETC. 0-3M.	
Dece Rank: Unknown Dece Rank: Unknown Dece Rank: Unknown Dece Rank: Unknown Dece Rank: Unknown Dece Rank: Unknown Record Last Updated: 1997-X1-X2 Duad Summary: Derivertion (3812128/481B) County Summary: Solino ListUkorge 34.178119-V.21.69569 UTH: Zone-10 M4226065 E560864 Ranke: UWKnown Record Last Updated: 1997-X1-X2 Duad Summary: Derivertion (3812128/481B) County Summary: Solino ListUkorge 34.178119-V.21.69569 UTH: Zone-10 M4226065 E560864 Ranke: UWKnown Record Last Updated: 1997-X1-X2 Duad Summary: Solino ListUkorge 34.178119-V.21.69569 UTH: Zone-10 M4226065 E560864 Ranke: UWKnown Record Last Updated: 1997-X1-X2 Duad Summary: Solino ListUkorge 34.178119-V.21.69569 UTH: Zone-10 M4226065 E560864 Ranke: UWKnown Record Last Updated: 1997-X1-X2 Duad Summary: Solino ListUkorge 34.178119-V.21.69569 UTH: SIRPH: A ND BLOOKH AND BELONS LANDING, SUISUN MARSH. Location ALONG NONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELONS LANDING, SUISUN MARSH. Location Exclusion Solino General: MAIN SOURCE ON INVERBANKS AFECTED BY TIDAL FLUCTUATIONS, ASSOCIATED WITH SIGRPUX AND UDHORS Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-12 Duals Last Som Coc Rank: Unknown Record Last Updated: 1997-11-13 Duals Last Som Coc Rank: Un					
Presence: Presen	Occ Rank:	Unknown	EO Index: 32613	Element:	1999-XX-XX
County Summary: Solano Laulong: 30.1711/1.121.362369 UTX: Zone-10.W226085 E59080A Mapping PrecisionNON-SPECIFIC Sector: 22 Ctr: XX Area: Symbol TypePOLYCON Meridian: M Location: ACIN SOLANES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. MARSH SUNCE. Control MARSH SLOUGH AND RY REPARANS AFFECTED BY TIOLA, FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. Corrent: MAN SOURCE OF INFORMATION FOR THIS SITE IS MAPP DETAIL PROVIDED BY DWR REPORT 'SUMMARY OF SENSITIVE PLANT AND WILDI RESOURCES IN SUISUM MARSH DURING WATER YEARS 1994-1994' (1994). PORTAL PROVIDED BY DWR REPORT 'SUMMARY OF SENSITIVE PLANT AND WILDI RESOURCES IN SUISUM MARSH DURING (38122128/4518) County Summary: Fairled South (1812221482A), Derivertion (3812128/4518) County Summary: Solano Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 1 2 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDOB. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 1 2 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDOB. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 1 2 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDOB. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 1 2 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDOB. RESOURCES IN SUISUM MARSH DURING WATER YEARS 1984-11994' (1994). Ormer/Manager: UNKNOWN COUNT REPORT: SUMMARY OF SENSITIVE PLANTA AND WILD	Presence:	Presumed Extant			
LatLong: 38.17811%/-121.90260° UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 E590964 UTM: Zone-10 M22005 COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. Location Detail:NUMEROUS COLONES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. CommerManager: UNKNOWN Occurrence No. 98 Map Index: 37612 E0 Index: 32614 Doce Rank: Unknown Orgin: NatraniNative occurrence Resumd Exampt Trend: Unknown Commary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (3812128/481B) County Summary: Earlield South (3812221482A), Deriverton (381218/481B) County Summary: Earlield South (3812221482A), Deriverton (381218/481B) County Summary: Earlield South (3812221482A), Deriverton (381218/481B) County Summary: Earlield South (3812221482A), Deriverton (38128128/481B),	Quad Summary:	: Denverton (3812128/481B)			
UTN: Zon-10 M4220085 ES00864 Area: Mapping Precision/ON-SPECIFIC Sectors 22 Orr: CX Elevation: 0 ft UTM: Zon-10 M422008 ES00864 Location ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELDONG LANDING, SUISU MARSH. Location Dealt-NUMERCOX COLONES MAPPED OVER APPROXIMATE V2 ANIE: SO THE SLOUGH AND SELDONG LANDING, SUISU MARSH. Location EDBI-NUMERCOX COLONES MAPPED OVER APPROXIMATE V2 ANIE: SO THE SLOUGH AND SELDONG LANDING, SUISU MARSH AND JUNCUS. General: MAIN SOURCE OF INFORMATION FOR THIS STIE IS MAP DETAIL PROVIDED BY DWR REPORT 'SUMMARY OF SENSITIVE PLANT AND WILD RESOURCES ON SUISUN MARSH DURING WATER YEARS 1984-1994' (1994). PORTION REVISITED IN 1999 (GTATE LANDS COMISSION). OvererManager: UNKNOWN Occurrence No. 98 Map Index: 37612 EO Index: 32614	County Summary	: Solano			
Area:     Mapping Precision/ON-SPECIFIC     Section: 22     Qr:: XX       Elevation: ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELDONE LANDING, SUISUM MARSH.     Location: ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AD BELDONE LANDING, SUISUM MARSH.     Location: BACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TUDAL FLUCTUATIONS. ASSOCIATED WITH SURPLY, TYPHA, AND JUNCUS.       General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOLUCES IN SUISUM MARSH DURING WATER YEARS 1964-1994" (1994). PORTION REVISITED IN 1999 (STATE LANDS COM/SSION).       Owner/Manage: UNKNOWN     Element: 1993-10-XX       Occ. Rank: Unknown     Element: 1993-10-XX       Ore: Rank: Unknown     Element: 1993-10-XX       Ore: Rank: Unknown     Site: 1993-10-XX       Ore: Rank: Unknown     Record Last Updated: 1977-11-12       Occ. Rank: Unknown     Record Last Updated: 1977-11-12       Occuting: Summary: Earling South (3812221/482A), Deriverton (3812128/481B)     Township: 04N       County Summary: Earling South (3812221/482A), Deriverton (3812128/481B)     Range: 01W       Area:     Mapping Precision(NDN-SPECIFIC     Section: 17       Cuestion: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF-JUCE ISLAND, NORTH OF GRIZZ, VISLAND, Location: HILLERONG MAPPED OVER APROXIMATELY 12 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDDB.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF-JUCE ISLAND, NORTH OF GRIZZ, VISLAND, Location: BAIPPED OVER APROXIMATELY 12 MILES OF THE SLOUGH IN TWO POLYCONS AT CNDDB.       Location:				-	
Elevation:       011       Symbol Type-POLYGON       Meridian:       M         Location:       ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELDONS, SUISUM MARSH.       Location:       ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELDONG, SUISUM MARSH.         Location:       Dealin NUMERCOUCDANS EMAPPEO OVER A RPORTS IS OF THE SLOUGH.       Esological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         General:       MAIN SOURCE OF INPORMATION FOR THIS STE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE FLANT AND WILD RESOURCES IN SUISUM MARSH DURING WATER YEARS 1984-1984'' (1984), PORTION REVISES       Telemittit 1983 10-3X         Ordining:       Map Index:       37612       EO Index:       32614       —       —         Occ frank:       Unknown       Elemittit 1933 10-3X       Sitt 1933 10-3X       Sitt 1933 10-3X       Sitt 1933 10-3X         Orgin:       Naturinaria:       Record Last Updated:       1977 11-12         Ouad Summary:       Salano       Township:       OM       Record Last Updated:       1977 11-12         Ouad Summary:       Salano       Township:       OM       Record Last Updated:       1977 11-12         Ouad Summary:       Salano       Township:       OM       Record Last Updated:       1977 11-12         Location:       Oft       Symbol Type-POLYGON<			Mapping PrecisionNON-SP	-	Qtr: XX
Location Detail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. General: MAIN SQUECE OF INFORMATION FOR THIS STEP IS MAP DETAIL, PROVIDED BY DWR REPORT 'SUMMARY OF SENSITIVE PLANT AND WILL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994). PORTION REVISITED IN 1998 (STATE LANDS COMISSION). Owner/Manager: UNKNOWN Occurrence No. 98 Map Index: 37612 EO Index: 32614 — Dates Last Seen					
Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994). PORTION REVISITED IN 1999 (STATE LANDS COMISSION). Owner/Manager: UNKNOWN Cocurrence No. 98 Map Index: 37612 EO Index: 32614	Location	: ALONG MONTEZUMA SLOUGH BETWEE	N FROST SLOUGH AND BELDONS LAND	DING, SUISUN MARSH.	
Generat:       MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL         Courrence No. 98       Map Index: 37612       EO Index: 32614       Dates Last Seen         Occ Rank:       Unknown       Biernent:       1993 (1747)         Ordigin:       Natural/Native occurrence       Site:       1993 (10-XX)         Presence:       Presence:       Record Last Updated:       1997 (11-12)         Quad Summary:       Fairleid South (3812221/482A), Deriverton (3812128/481B)       Courry Summary:       Courd Summary:       Fairleid South (3812221/482A), Deriverton (3812128/481B)         Courd Summary:       Solano       Township:       04N       Range:       01W         Autong:       38.1115/-121.92275°       Township:       04N       Range:       01W         Area:       Mapping Precision/ION-SPECIFIC       Section:       7       0rr:       KX         Elevation:       0ft       Symbol Type/POLYGON       Meridian:       Multicol       0rr:       KX         Location:       ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF ORIZZLY ISLAND.       Elevation:       Map index: 37617       Elevation:       Township: Call       Multicol         O	Location Detail	NUMEROUS COLONIES MAPPED OVER	APPROXIMATELY 2 MILES OF THE SLOP	JGH.	
RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994), PORTION REVISITED IN 1999 (STATE LANDS COMISSION). Owner/Manager: UNKNOWN   Counter/Manager: UNKNOWN  Counter Statural Matural Marker Stream	Ecological	BRACKISH SLOUGHS AND RIVERBANKS	AFFECTED BY TIDAL FLUCTUATIONS.	ASSOCIATED WITH SCIRPUS, TYPHA, AND	JUNCUS.
Occurrence No. 98       Map Index: 37612       EO Index: 32614       — Dates Last Seen         Occ Rank: Unknown       Site: 1993-10-XX         Origin: Natural/Native occurrence       Site: 1993-10-XX         Presence: Presumed Extant       Record Last Updated: 1997-11-12         Quad Summary: Fairfield South (3812221/482A), Deriverton (3812128/481B)       County Summary: Solano         Lat/Long: 38.19159/-1/21.90275*       Township: 04N         UTM: Zone-10 N4227503 E588204       Range: 01W         Aree:       Mapping PrecisionNON-SPECIFIC         Section: 17       Qtr: KX         Ecological: BRACKISH SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: Detail: NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB.         Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTVATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP PET LLECTVOTIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND WILLD RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994* (1994).         Overer/Manage: UNKNOWN       Cocurrence No. 101	General				
Occ Rani: Unknown       Element: 1993-10-XX         Origin: Natural/Native occurrence       Site: 1993-10-XX         Presence: Presumed Extant       Record Last Updated: 1997-11-12         Quad Summary: Fairfield South (3812221/482A), Derverton (3812128/481B)       Record Last Updated: 1997-11-12         Quad Summary: Solano       Township: 04N         Area:       Mapping PrecisionNON-SPECIFIC         Section: A LONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).       Downer/Manager: UNKNOWN         Occurrence No. 101       Map Index: 37617       EO Index: 32619       —       —         Orgin: Natural/Native occurrence       Site: 1993-10-XX       Presence: Presumed Extant       1997-11-13         Quad Summary: Fairfield South (3812221/482A)       Cocurrence       Site: 1993-10-XX       Presence: Presumed Extant       1997-11-13         Quad Summary: Fairfield South (3812221/482A)       Cocurence       Site: 1993-10-XX       Pres	Owner/Manager	: UNKNOWN			
Origin: NaturalNative occurrence       Site: 1993-10-XX         Presence: Presumed Extant       Record Last Updated: 1997-11-12         Quad Summary: Fairfield South (3812221/482A), Deriveton (3812128/481B)       Township: 04N         County Summary: Solano       Township: 04N         UTH: Zone-10 N4227503 E588204       Range: 01W         Area:       Mapping PrecisionNON-SPECIFIC         Section: 17       Otr: XX         Elevation: 0 ft       Symbol Type:POLYGON         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: Detail:NUMREROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB.       Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         Generat: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT 'SUMMARY OF SENSITIVE PLANT AND WILLD RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994).         Overer/Manager: UNKNOWN       Element: 1993-10-XX         Occerance No. 101       Map Index: 37617       EO Index: 32619       Dates Last Seen         Occe Rank: Unknown       Record Last Updated: 1997-11-13       Quad Summary: Fairfield South (3812221/482A).       County Summary: Solano         Lat/Long: 38.17879' / -122.05667*       Township: 04N       Range	Occurrence No.	. 98 Map Index: 37612	EO Index: 32614	Dates Las	t Seen ———
Presence:       Presence:					
Trend:       Unknown       Record Last Updated:       1997-11-12         Quad Summary:       Fairfield South (3812221/482A), Denverton (3812128/481B)       County Summary:       South (3812221/482A), Denverton (3812128/481B)         County Summary:       Solano       Township:       04N       Range:       01W         Lat/Long:       38.19115/       J.21.992759       Township:       04N       Range:       01W         Area:       Mapping PrecisionNON-SPECIFIC       Section:       17       Qtr:       XX         Elevation:       0.1       Symbol Type:POLYGON       Meridian:       M         Location:       Area:       Mapping PrecisionNON-SPECIFIC       Section:       17       Qtr:       XX         Location:       0.6       General:       Man SOURCE OLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB.       Ecological:       BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         Owner/Manager:       UNKNOWN       Elevation:       10       Map index:       37617       EO Index:       32619	-			Site:	1993-10-XX
County Summary: Solano         Lat/Long: 38,191159/-121.99275°       Township: 04N         Area:       Mapping PrecisionNON-SPECIFIC       Section: 17         Area:       Symbol Type-POLYGON       Meridian: M         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.       Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.         Location: Betail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB.       Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDU RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).       Element: 1993-10-XX         Owner/Manager: UNKNOWN       Element:       1993-10-XX       Site: 1993-10-XX         Occ Rank: Unknown       Record Last Updated: 1997-11-13       Element: 1993-10-XX       Site: 1993-10-XX         Origin: Natura/Native occurrence       Site: 1993-10-XX       Site: 1993-10-XX       Site: 1993-10-XX         Presence: Presumed Extant       Record Last Updated: 1997-11-13       Cuad Summary: Solano       Curx XX       Ketord 10-XX <td></td> <td></td> <td></td> <td>Record Last Updated:</td> <td>1997-11-12</td>				Record Last Updated:	1997-11-12
Lat/Long: 38.19115°/-121.99275° UTownship: 04N Area: Different Control N4227503 E588204 Area: Mapping PrecisionNON-SPECIFIC Section: 17 Qtr: XX Elevation: 0 ft Question: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND. Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND. Location Detail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. Generat: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994). Owner/Manager: UNKNOWN Occurrence No. 101 Map Index: 37617 EO Index: 32619 Doc Rank: Unknown Origin: Natural/Native occurrence Resources: Presumed Extant Trend: Unknown Record Last Updated: 1997-11-13 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.17879°/-1122.05867° UTW: Zone-10 N4226071 E582446 Area: Mapping PrecisionNON-SPECIFIC Section: 23 Qtr: XX Elevation: 0 ft Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WEL			(3812128/481B)		
UTM:       Zone-10 N4227503 E588204       Rang::       01W       Out::       XX         Area:       0ft       Symbol Type:POL/GON       Meridian::       M       M       Meridian::       M       M       M       Meridian::       M       M       Meridian::       M       M       M       M       M       M       M       Meridian::       M<					
Area: Elevation: 0 ftMapping Precision/NON-SPECIFIC Symbol Type/POLYGONSection: 17Qtr: XX Meridian: MLocation: Alevation: Alevation: Becological: BRACKISH SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND. Location Detail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP POEDAL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDU RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994).Owmer/Manager: UNKNOWNMap Index: 3761720 Index: 3261923619Dates Last SeenOccarank: Or Grank: Unknown Trend: UnknownSite: 1993-10-XX 1993-10-XX 1993-10-XXElement: 1993-10-XX 1993-10-XX 1993-10-XX 20 Index: 2261920 Index: 2261920 Index: 22619Quad Summary: Fairfield South (3812221/482A) County Summary: County Summary: SolanoSite: 1993-10-XX 1993-10-XX 20 Index:<	-			-	
Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND. Location Detail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994). Owner/Manager: UNKNOWN Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown County Summary: Fairfield South (3812221/482A) County Summary: Fairfield South (3812221/482A) County Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.17879°/-122.05867° Lat/Long: 38.17879°/-122.05867° Lat/Long: 38.17879°/-122.05867° Lat/Long: 38.17879°/-122.05867° Lat/Long: 38.17879°/-122.05867° Lat/Long: 38.17879°/-122.05867° Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: BERACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.			Mapping PrecisionNON-SP	-	Qtr: XX
Location Detail:NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDL RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994). Owner/Manager: UNKNOWN Occurrence No. 101 Map Index: 37617 EO Index: 32619 — Dates Last Seen — Occ Rank: Unknown Element: 1993-10-XX Origin: Natural/Native occurrence Site: 1993-10-XX Presence: Presumed Extant Trend: Unknown Record Last Updated: 1997-11-13 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.17879' / 122.05867' Trend: Unknown Record Last Updated: 1997-11-13 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Location: VEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Elevation:	. O ft	Symbol Type:POLYGO	N Meridian: M	
Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         General:       MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDUR RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).         Owner/Manager:       UNKNOWN         Occ Rank:       Unknown         Occ Rank:       Unknown         Orgin:       Natural/Natural/Nature occurrence         Presence:       Presumed Extant         Trend:       Unknown         Record Last Updated:       1997-11-13         Quad Summary:       Fairfield South (3812221/482A)         County Summary:       Solano         Lat/Long:       38.17879°/-122.05867°         Lat/Long:       38.17879°/-122.05867°         VITM:       Zone-10 N4226071 E582446         Area:       Mapping PrecisionNON-SPECIFIC         Section:       23         Quad Summary:       Oft         Symbol Type:POLYGON       Mary         Area:       Mapping PrecisionNON-SPECIFIC         Section:       23       Qtr; XX         Elevation:       Of SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Locat	Location	: ALONG CUTOFF SLOUGH AT THE NORT	HEAST END OF JOICE ISLAND, NORTH	OF GRIZZLY ISLAND.	
General:       MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDURES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).         Owner/Manager:       UNKNOWN         Occ arns:       Unknown         Occ Rank:       Unknown         Origin:       Natural/Native occurrence         Presence:       Presumed Extant         Trend:       Unknown         Quad Summary:       Fairfield South (3812221/482A)         County Summary:       Solano         Lat/Long:       38.17879° / -122.05867°         Lat/Long:       38.17879° / -122.05867°         Lat/Long:       38.17879° / -122.05867°         Lat/Long:       38.17879° / -122.05867°         Lat/Long:       38.17879° / -122.05867°         Lat/Long:       38.17879° / -122.05867°         Location:       Mapping PrecisionNON-SPECIFIC         Symbol Type:POLYGON       X         Meridian:       M         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Location:       URAN AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Location Detail	NUMEROUS COLONIES MAPPED OVER	APPROXIMATELY 1.2 MILES OF THE SL	OUGH IN TWO POLYGONS AT CNDDB.	
RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (1994). Owner/Manager: UNKNOWN Occurrence No. 101 Map Index: 37617 EO Index: 32619 — Dates Last Seen Occ Rank: Unknown Element: 1993-10-XX Origin: Natural/Native occurrence Site: 1993-10-XX Presence: Presumed Extant Trend: Unknown Record Last Updated: 1997-11-13 Quad Summary: Fairfield South (3812221/482A) County Summary: Solano Lat/Long: 38.17879°/-122.05867° Township: 04N UTM: Zone-10 N4226071 E582446 Area: Mapping PrecisionNON-SPECIFIC Section: 23 Qtr: XX Elevation: 0 ft Symbol Type:POLYGON Meridian: M Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location Detail:THREE COLONIES MAPPED. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Ecological	BRACKISH SLOUGHS AND RIVERBANKS	AFFECTED BY TIDAL FLUCTUATIONS.	ASSOCIATED WITH SCIRPUS, TYPHA, AND	JUNCUS.
Owner/Manager: UNKNOWN         Occurrence No. 101       Map Index: 37617       EO Index: 32619       — Dates Last Seen         Occ Rank:       Unknown       Element:       1993-10-XX         Origin:       Natural/Native occurrence       Site:       1993-10-XX         Presence:       Presumed Extant       Record Last Updated:       1997-11-13         Quad Summary:       Fairfield South (3812221/482A)       Record Last Updated:       1997-11-13         Quad Summary:       Solano       Township:       04N         Lat/Long:       38.17879° / -122.05867°       Township:       04N         UTM:       Zone-10 N4226071 E582446       Mapping PrecisionNON-SPECIFIC       Section:       23       Qtr: XX         Meridian:       0 ft       Symbol Type:POLYGON       Meridian:       M         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       Location Detail: THREE COLONIES MAPPED.       UCCULATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.         Ecological:       BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	General:			DWR REPORT "SUMMARY OF SENSITIVE F	PLANT AND WILDLI
Occ Rank: Unknown       Element: 1993-10-XX         Origin: Natural/Native occurrence       Site: 1993-10-XX         Presence: Presumed Extant       rend         Trend: Unknown       Record Last Updated: 1997-11-13         Quad Summary: Fairfield South (3812221/482A)       rend         County Summary: Solano       rend         Lat/Long: 38.17879° / -122.05867°       rownship: 04N         Area:       Mapping PrecisionNON-SPECIFIC         Area:       Mapping PrecisionNON-SPECIFIC         Elevation: 0 ft       Symbol Type:POLYGON         Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Location Detail: THREE COLONIES MAPPED.         Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Owner/Manager		3 WATER TEARS 1904-1994 (1994).		
Occ Rank: Unknown       Element: 1993-10-XX         Origin: Natural/Native occurrence       Site: 1993-10-XX         Presence: Presumed Extant       rend         Trend: Unknown       Record Last Updated: 1997-11-13         Quad Summary: Fairfield South (3812221/482A)       rend         County Summary: Solano       rend         Lat/Long: 38.17879° / -122.05867°       rownship: 04N         Area:       Mapping PrecisionNON-SPECIFIC         Area:       Mapping PrecisionNON-SPECIFIC         Elevation: 0 ft       Symbol Type:POLYGON         Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.         Location Detail: THREE COLONIES MAPPED.         Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Occurrence No.	. 101 Map Index: 37617	EO Index: 32619	Dates Las	t Seen
Presence:       Presence:       Presence:       Presence:       Presence:       Presence:       Image: 1997-11-13         Quad Summary:       Fairfield South (3812221/482A)       County Summary:       Solano       Image: 1997-11-13         Lat/Long:       38.17879° / -122.05867°       Township:       04N       Range: 02W       Area:       Quad Sumbol Sumo       Presence:       Quad Summary:       Solano       Image: 1997-11-13       Output       County Summary:       Solano       Image: 1997-11-13       Output       Solano       Image: 1997-11-13       Output       Solano       Image: 1997-11-13       Output       Solano       Image: 1997-11-13       Output       Image: 1997-11-13       Output       Image: 1997-11-13       <	Occ Rank:	Unknown			
Trend:       Unknown       Record Last Updated:       1997-11-13         Quad Summary:       Fairfield South (3812221/482A)            County Summary:       Solano <t< td=""><td>•</td><td></td><td></td><td>Site:</td><td>1993-10-XX</td></t<>	•			Site:	1993-10-XX
County Summary: Solano         Lat/Long: 38.17879° / -122.05867°       Township: 04N         UTM: Zone-10 N4226071 E582446       Range: 02W         Area:       Mapping PrecisionNON-SPECIFIC       Section: 23       Qtr: XX         Elevation: 0 ft       Symbol Type:POLYGON       M       M         Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       M       M       M         Location Detail: THREE COLONIES MAPPED.       Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Presence:			Record Last Updated:	1997-11-13
County Summary: Solano         Lat/Long: 38.17879° / -122.05867°       Township: 04N         UTM: Zone-10 N4226071 E582446       Range: 02W         Area:       Mapping PrecisionNON-SPECIFIC       Section: 23       Qtr: XX         Elevation: 0 ft       Symbol Type:POLYGON       M       M         Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       M       M       M         Location Detail: THREE COLONIES MAPPED.       Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.		Fairfield South (3812221/482A)			
UTM:       Zone-10 N4226071 E582446       Range:       02W         Area:       Mapping PrecisionNON-SPECIFIC       Section:       23       Qtr: XX         Elevation:       0 ft       Symbol Type:POLYGON       Meridian:       M         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       V       V       V         Location Detail:       THREE COLONIES MAPPED.       V       V       V       V         Ecological:       BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TVHA, AND JUNCUS.       V       V	Trend:	. ,			
Area:       Mapping PrecisionNON-SPECIFIC       Section:       23       Qtr: XX         Elevation:       0 ft       Symbol Type:POLYGON       Meridian:       M         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       Meridian:       M         Location Detail:       THREE COLONIES MAPPED.       Ecological:       BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Trend: Quad Summary:	: Solano		Township: 04N	
Elevation:       0 ft       Symbol Type:POLYGON       Meridian:       M         Location:       WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.       Location Detail: THREE COLONIES MAPPED.       Ecological:       BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Trend: Quad Summary: County Summary			•	
Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH. Location Detail: THREE COLONIES MAPPED. Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Trend: Quad Summary: County Summary Lat/Long: UTM:	: 38.17879º / -122.05867º Zone-10 N4226071 E582446		-	
Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.	Trend: Quad Summary: County Summary Lat/Long: UTM: Area:	: 38.17879º / -122.05867º Zone-10 N4226071 E582446		ECIFIC Section: 23	Qtr: XX
-	Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	: 38.17879º / -122.05867º Zone-10 N4226071 E582446 : 0 ft	Symbol Type:POLYGO	ECIFIC Section: 23 N Meridian: M	Qtr: XX
-	Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation: Location	: 38.17879° / -122.05867° Zone-10 N4226071 E582446 : 0 ft : WEST SIDE OF SUISUN SLOUGH BETWE	Symbol Type:POLYGO	ECIFIC Section: 23 N Meridian: M	Qtr: XX
RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).	Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	: 38.17879° / -122.05867° Zone-10 N4226071 E582446 : 0 ft : WEST SIDE OF SUISUN SLOUGH BETWE I:THREE COLONIES MAPPED.	Symbol Type:POLYGO	ECIFIC Section: 23 N Meridian: M	

Suisun Marsh aster			Element Code: PDASTE8470 Other Lists		
Federal: None State: None		NDDB Element Ranks Global: G2 State: S2.2		List: 1B.2	
	ES AND SWAMPS (BRACKISH	AND FRESHWATER). S WITH PHRAGMITES, SCIRPUS, BLAC	CKBERRY, TYPHA, ETC. 0-3M.		
Occurrence No.	. 102 Map Index:	37618 EO Index	: 32620 —	- Dates Last Seen	
•	Natural/Native occurrence			Element: 1993-10-XX Site: 1993-10-XX	
	Presumed Extant Unknown		Record La	st Updated: 1997-11-13	
Quad Summary: County Summary	: Fairfield South (3812221/482A) : Solano				
-	38.19149º / -122.06710º		Township		
OTM: Area:	Zone-10 N4227473 E581693	Mapping Preci	isionNON-SPECIFIC Section	: 02W n: 15 <b>Qtr:</b> XX	
Elevation:		-	ype:POLYGON Meridian	: M	
	: WEST OF SUISUN SLOUGH A I:TWO COLONIES MAPPED JUS	LONG UPPER REACHES OF WELLS S	LOUGH, NEAR THE SPRR TRACKS.		
			CTUATIONS. ASSOCIATED WITH SCIRPUS,	TYPHA, AND JUNCUS.	
-	MAIN SOURCE OF INFORMAT		ROVIDED BY DWR REPORT "SUMMARY OF		WILDLIF
Owner/Manager:					
Occurrence No.	. 104 Map Index:	37621 EO Index	: 32623 —	- Dates Last Seen	
Occ Rank:	Unknown Natural/Native occurrence			Element: 1993-10-XX Site: 1993-10-XX	
Presence:	Presumed Extant Unknown		Record La	st Updated: 2007-12-26	
Quad Summary: County Summary	: Fairfield South (3812221/482A)				
	38.17253º / -122.10282º		Township		
UTM:	Zone-10 N4225338 E578585		Range	: 02W	
Area: Elevation:	1,278.0 acres 0 ft	Mapping Preci Symbol T	isionSPECIFIC Section Type:POLYGON Meridian		
Location	WEST SIDE OF SUISUN MARS	SH; ALONG CORDELIA SLOUGH, FRAM	NK HORAN SLOUGH, CHADBORNE SLOUGH	AND SUISUN CREEK.	
Location Detail	NUMEROUS COLONIES MAPP DOWNSTREAM OF CYGNUS.	PED ALONG SLOUGHS AND CHANNEL	S; OCCURRENCE MAPPED MOSTLY BETW	EEN I-680 AND ABOUT 1	MILE
Ecological	BRACKISH SLOUGHS AND RI	VERBANKS AFFECTED BY TIDAL FLU	CTUATIONS. ASSOCIATED WITH SCIRPUS,	TYPHA, AND JUNCUS.	
General:			ROVIDED BY DWR REPORT "SUMMARY OF 4" (1994). INCLUDES FORMER OCCURREN		WILDLIF
Owner/Manager	UNKNOWN				
Occurrence No.	•	37623 EO Index	: 32625 —	Dates Last Seen     Element: 1993-10-XX	
Occ Rank: Origin:	Unknown Natural/Native occurrence			Site: 1993-10-XX	
	Presumed Extant Unknown		Record La	st Updated: 1997-11-13	
-	Fairfield South (3812221/482A)				
County Summary					
	38.13788º / -122.06216º Zone-10 N4221528 E582186		Township Range	b: 03N : 02W	
	1/10 mile		isionNON-SPECIFIC Section Sype:POINT Meridian	n: 02 Qtr: XX	
	ALONG WEST SIDE OF MONT	EZUMA SLOUGH NEAR CONFLUENC	E WITH GRIZZLY BAY.		
Location Detail			CTUATIONS. ASSOCIATED WITH SCIRPUS,		

Suisun Marsh aster Stat	us	NDDB Element Ranks	lement Code: PDASTE8470 Other Lists
Federal: None State: None	-	Global: G2 State: S2.2	CNPS List: 1B.2
Habitat As			
	IES AND SWAMPS (BRACKISH AND FRE DFTEN SEEN ALONG SLOUGHS WITH P	SHWATER). HRAGMITES, SCIRPUS, BLACKBERRY, TYPH	A, ETC. 0-3M.
Occurrence No	. 107 Map Index: 37624	EO Index: 32626	Dates Last Seen
Occ Rank:			Element: 1993-10-XX Site: 1993-10-XX
-	: Natural/Native occurrence : Presumed Extant		Site. 1995-10-XX
Trend:	Unknown		Record Last Updated: 1997-11-13
	: Fairfield South (3812221/482A)		
County Summary			
-	38.13573° / -122.08298° Zone-10 N4221272 E580364		Township: 03N Range: 02W
Area:		Mapping PrecisionNON-SPECI	FIC Section: 03 Qtr: XX
Elevation		Symbol Type:POLYGON	Meridian: M
		JACENT SECTION OF SUISUN SLOUGH FROM	
		BABOUT 1 MILE OF GOODYEAR SLOUGH AN	
_			SOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS. /R REPORT "SUMMARY OF SENSITIVE PLANT AND WILC
General	RESOURCES IN SUISUN MARSH DUR		
Owner/Manager	: UNKNOWN		
Occurrence No	. 108 Map Index: 41561	EO Index: 41561	Dates Last Seen
Occ Rank:			Element: 1991-07-XX Site: 1991-07-XX
Presence	Natural/Native occurrence     Presumed Extant     Unknown		Record Last Updated: 1999-09-03
Quad Summary	: Fairfield South (3812221/482A)		
County Summary	: Solano		
	38.21205º / -122.07268º		Township: 04N
	Zone-10 N4229749 E581182 2.8 acres	Mapping PrecisionSPECIFIC	Range: 02W Section: 10 Qtr: XX
Elevation	: 3 ft	Symbol Type:POLYGON	Meridian: M
		RR STOP; ABOUT 3 AIRMILES SOUTHWEST	OF FAIRFIELD.
Location	: ABOUT 1.2 AIRMILES SSE OF SUBEET		
	: ABOUT 1.2 AIRMILES SSE OF SUBEET I: JUST NORTH OF LEVEE ROAD. TWO (		
Location Detai	I:JUST NORTH OF LEVEE ROAD. TWO		
Location Detai	I: JUST NORTH OF LEVEE ROAD. TWO (	COLONIES MAPPED.	
Location Detai General	I:JUST NORTH OF LEVEE ROAD. TWO ( : ONLY SOURCE FOR THIS INFORMATI : UNKNOWN	COLONIES MAPPED.	Dates Last Seen
Location Detai General Owner/Manager Occurrence No Occ Rank:	I: JUST NORTH OF LEVEE ROAD. TWO ( CONLY SOURCE FOR THIS INFORMATI : UNKNOWN . 109 Map Index: 43596 : Unknown	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen Element: 1999-XX-XX
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin:	I: JUST NORTH OF LEVEE ROAD. TWO ( CONLY SOURCE FOR THIS INFORMATI UNKNOWN . 109 Map Index: 43596	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I: JUST NORTH OF LEVEE ROAD. TWO ( : ONLY SOURCE FOR THIS INFORMATI : UNKNOWN . 109 Map Index: 43596 : Unknown : Natural/Native occurrence	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen Element: 1999-XX-XX
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: JUST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATI : UNKNOWN . 109 Map Index: 43596 : Unknown : Natural/Native occurrence : Presumed Extant	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen Element: 1999-XX-XX Site: 1999-XX-XX
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	UST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATI UNKNOWN 109 Map Index: 43596 Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B)	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen Element: 1999-XX-XX Site: 1999-XX-XX
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	I: JUST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATH : UNKNOWN 109 Map Index: 43596 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17316° / -121.92571°	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen     Element: 1999-XX-XX     Site: 1999-XX-XX     Record Last Updated: 2000-08-23     Township: 04N
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: JUST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATI : UNKNOWN . 109 Map Index: 43596 : Unknown : Natural/Native occurrence : Presumed Extant Unknown : Denverton (3812128/481B) : Solano	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN.	Dates Last Seen     Element: 1999-XX-XX     Site: 1999-XX-XX     Record Last Updated: 2000-08-23
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	I: JUST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATI : UNKNOWN . 109 Map Index: 43596 : Unknown . Natural/Native occurrence . Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17316° / -121.92571° Zone-10 N4225573 E594098 2.9 acres	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN. EO Index: 43596	Dates Last Seen     Element: 1999-XX-XX     Site: 1999-XX-XX     Record Last Updated: 2000-08-23     Township: 04N     Range: 01W
Location Detai General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation	I: JUST NORTH OF LEVEE ROAD. TWO ( ONLY SOURCE FOR THIS INFORMATI : UNKNOWN 109 Map Index: 43596 : Unknown Natural/Native occurrence Presumed Extant Unknown : Denverton (3812128/481B) : Solano : 38.17316° / -121.92571° Zone-10 N4225573 E594098 2.9 acres : 5 ft	COLONIES MAPPED. ON IS MAP FROM 1991 SURVEY BY ALLEN. EO Index: 43596 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Dates Last Seen     Element: 1999-XX-XX     Site: 1999-XX-XX     Record Last Updated: 2000-08-23     Township: 04N     Range: 01W     Section: 24     Qtr: XX

Suisun Marsh aster			Elemen	t Code: PDASTE8470	
Status	i ———	NDI	DB Element Ranks	Other Lists	
Federal: None		(	Global: G2	CNPS List:	1B.2
State: None			State: S2.2		
Habitat Asso	ociations ———				
General: MARSHES	S AND SWAMPS (BRACKISH	AND FRESHWAT	TER).		
Micro: MOST OF	TEN SEEN ALONG SLOUGH	S WITH PHRAGM	ITES, SCIRPUS, BLACKBERRY, TYPHA, ETC	: 0-3M	
Occurrence No. 1	110 Map Index:	43597	EO Index: 43597	Date	es Last Seen
Occ Rank: U		10001		Elem	ent: 1999-XX-XX
	Natural/Native occurrence			s	Site: 1999-XX-XX
•	Presumed Extant				
Trend: L	Jnknown			Record Last Upd	ated: 2000-08-23
Quad Summary:	Denverton (3812128/481B)				
•	,				
County Summary: S	Jolano				
Lat/Long: 3	38.18049º / -121.91963º			Township: 04N	1
UTM: Z	Zone-10 N4226392 E594621			Range: 01V	V
Area: 8	8.7 acres		Mapping PrecisionSPECIFIC	Section: 24	Qtr: XX
Elevation: 5	5 ft		Symbol Type:POLYGON	Meridian: M	
Location: N			SOUTH SIDES OF LITTLE HONKER BAY AND	AD JACENT NURSE SLOUG	
Eccation.	CONTROL MINDER ALON		NKER BAY.	ADSAGENT NORGE GEOOG	

Owner/Manager: UNKNOWN

nt garter snake			Element Code: ARADB36150
Federal: Threate State: Threate	ned	NDDB Element Ranks Global: G2G3 State: S2S3	CDFG Status:
General: PREFE		LOW GRADIENT STREAMS. HAS ADAPTED TO DR GARTER SNAKES IN CALIFORNIA.	AINAGE CANALS & IRRIGATION DITCHES.
Occurrence No	. 79 Map Index:	10758 EO Index: 27547	Dates Last Seen
•	Good Natural/Native occurrence		Element: 1987-09-2 Site: 1987-09-2
	Presumed Extant Unknown		Record Last Updated: 1995-08-
	: Liberty Island (3812136/497C)		
County Summary			<b>T</b> 11 and
UTM:	<ul> <li>38.35740° / -121.74024°</li> <li>Zone-10 N4246221 E610066</li> <li>1/5 mile</li> <li>15 ft</li> </ul>	Mapping PrecisionNON-SPE Symbol Type:POINT	Township: 06N Range: 02E ECIFIC Section: 22 Qtr: VE Meridian: M
Location	: CANAL CROSSING SWAN RD.	2.5 MI W OF SOLANO/YOLO COUNTY LINE.	
	: CANAL CROSSING SWAN RD, I:SURROUNDED BY LIVESTOCK	2.5 MI W OF SOLANO/YOLO COUNTY LINE. ( PASTURES.	
Location Detai Ecological General:	I:SURROUNDED BY LIVESTOCK 1: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. 1: ONE ADULT OBSERVED.	( PASTURES.	IE YELLOW WATERWEED IN CHANNEL, ANNUAL GF
Location Detai Ecological General: Owner/Manager	I:SURROUNDED BY LIVESTOCK 1: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. 1: ONE ADULT OBSERVED. 1: UNKNOWN	K PASTURES. ED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM	
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	I:SURROUNDED BY LIVESTOCK 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. : ONE ADULT OBSERVED. : UNKNOWN . 82 Map Index:	K PASTURES. ED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM	//E YELLOW WATERWEED IN CHANNEL, ANNUAL GF — Dates Last Seen – Element: 1994-XX- Site: 1994-XX- Site: 1994-XX-
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I:SURROUNDED BY LIVESTOCK I: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. I: ONE ADULT OBSERVED. I: UNKNOWN 82 Map Index: I: Good Natural/Native occurrence Presumed Extant	K PASTURES. ED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM	Dates Last Seen Element: 1994-XX- Site: 1994-XX-
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	I: SURROUNDED BY LIVESTOCK I: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. I: ONE ADULT OBSERVED. I: UNKNOWN 82 Map Index: Good I: Natural/Native occurrence I: Presumed Extant Unknown I: Liberty Island (3812136/497C)	K PASTURES. ED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM	Dates Last Seen Element: 1994-XX- Site: 1994-XX-
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: SURROUNDED BY LIVESTOCK I: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. I: ONE ADULT OBSERVED. I: UNKNOWN 82 Map Index: Good Natural/Native occurrence Presumed Extant Unknown I: Liberty Island (3812136/497C) I: Solano 38.33934° / -121.71301° Zone-10 N4244250 E612473	( PASTURES. D WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM 10820 EO Index: 13284	Dates Last Seen – Element: 1994-XX- Site: 1994-XX- Record Last Updated: 2006-05-0 Township: 06N Range: 02E
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM:	I: SURROUNDED BY LIVESTOCK I: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. I: ONE ADULT OBSERVED. I: UNKNOWN 82 Map Index: Good I: Natural/Native occurrence I: Presumed Extant Unknown I: Liberty Island (3812136/497C) I: Solano I: 38.33934° / -121.71301° Zone-10 N4244250 E612473 I/5 mile	K PASTURES. ED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM	Dates Last Seen – Element: 1994-XX- Site: 1994-XX- Record Last Updated: 2006-05-0 Township: 06N Range: 02E
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation:	I: SURROUNDED BY LIVESTOCK : 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. : ONE ADULT OBSERVED. : UNKNOWN : 82 Map Index: Good : Natural/Native occurrence : Presumed Extant Unknown : Liberty Island (3812136/497C) : Solano : 38.33934° / -121.71301° Zone-10 N4244250 E612473 : 1/5 mile : 10 ft	SPASTURES. D WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM 10820 EO Index: 13284 Mapping PrecisionNON-SPE	Dates Last Seen Element: 1994-XX- Site: 1994-XX- Record Last Updated: 2006-05-0 Record Last Updated: 2006-05-0 Constant Updated: 2006-0 Constant Updated: 20
Location Detai Ecological General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Radius: Elevation: Location Ecological	I: SURROUNDED BY LIVESTOCK I: 20 FT WIDE CANAL CONTAINE THISTLES ON BANKS. I: ONE ADULT OBSERVED. I: UNKNOWN I: 82 Map Index: Good I: Natural/Native occurrence Presumed Extant Unknown I: Liberty Island (3812136/497C) I: Solano I: 38.33934° / -121.71301° Zone-10 N4244250 E612473 I: 1/5 mile I: 10 ft I: LIBERTY ISLAND, ROAD, 1.3 M I: HABITAT CONSISTS OF AN AG	SPASTURES. D WITHIN LEVEES; CATTAIL/TULE MARGINS, SOM 10820 EO Index: 13284 Mapping PrecisionNON-SPE Symbol Type:POINT	— Dates Last Seen – Element: 1994-XX- Site: 1994-XX- Record Last Updated: 2006-05-0 Range: 02E ECIFIC Section: 26 Qtr: VE Meridian: M

wo-fork clover Statu Federal: Endange State: None		— NDDB Element Ranks —— Global: G1 State: S1.1	Element Code: PDFAB40040 Other Lists CNPS L	ist: 1B.1	
	sociations —	State. ST.T			
	AND FOOTHILL GRASSLAND, COAST	AL BLUFF SCRUB.			
			NTLY SITED ON ROADSIDE AND ERODI	NG CLIFF I	FACE 5-560M
Occurrence No.	11 Map Index: 24739	EO Index: 465		Dates Las	t Seen
Occ Rank:			I		1892-06-18
-	Natural/Native occurrence Presumed Extant			Site:	1892-06-18
	Unknown		Record Last	Updated:	2001-11-15
Ound Summanu	Elmine (2012120/4000) Eninfield North	(2012221/1000)			
	Elmira (3812138/498C), Fairfield North	(3612231/499D)			
County Summary					
-	38.35642º / -121.98869º Zone-10 N4245845 E588359		Township: Range:		
Radius:		Mapping PrecisionN	-		Qtr: XX
Elevation:		Symbol Type:P			
Location	VACAVILLE.				
	ONLY SOURCE OF INFORMATION FO				
		IN THIS SITE IS 1092 COLLECTION E	TIGET SON, NEEDS FIELDWORK.		
Owner/Manager:	UNKNOWN				
Occurrence No.	12 Map Index: 23957	EO Index: 465		Dates Las	t Seen
Occ Rank:	-			Element:	1909-05-04
v	Natural/Native occurrence			Site:	1909-05-04
	Presumed Extant Unknown		Record Last	Updated:	2001-11-14
				-	
	Elmira (3812138/498C)				
County Summary	Solano				
	38.35022º / -121.90850º		Township:		
UTM: Radius:	Zone-10 N4245237 E595374 1 mile	Mapping PrecisionN	ON-SPECIFIC Section:		Qtr: XX
Elevation:		Symbol Type:P			
Location	ELMIRA				
_	DENSE COLONIES IN RICH SWALES.				
	ONLY SOURCE OF INFORMATION FO	DR THIS SITE IS 1903 COLLECTION E	BY BAKER.		
Owner/Manager:	UNKNOWN				
Occurrence No.	13 Map Index: 10073	EO Index: 127		Dates Las	t Seen
Occ Rank:	•				1902-05-23
v	Natural/Native occurrence			Site:	1902-05-23
	Presumed Extant Unknown		Record Last	Updated:	1994-07-07
					-
-	Elmira (3812138/498C)				
County Summary	Solano				
-	38.28879º / -121.96247º		Township:		
UTM: Radius:	Zone-10 N4238367 E590735	Mapping PrecisionN	ON-SPECIFIC Section:		Qtr: SW
Elevation:		Symbol Type:P			<b>uti.</b> 300
I ocation.	INEAR VANDEN STATION (VANDEN S	TATION = SOUTHERN PACIFIC TRAIL	NSTOP 5 MILES SOUTH OF VACAVILLE)	).	

			Element Code: PDFAB400R5		
Federal: None State: None	ssociations —	NDDB Element Ranks Global: G5T2? State: S2.2?	CNPS	<b>List:</b> 1B.2	
General: MARSH		ND FOOTHILL GRASSLAND, VERNAL POC	DLS.		
Occurrence No	. 10 Map Index	: 49395 EO Index:	49395 —	<ul> <li>Dates La</li> </ul>	st Seen
Occ Rank Origin Presence	•		Record L	Site:	1995-04-22 1995-04-22 2002-11-14
	r: Elmira (3812138/498C)				
County Summary					
Lat/Long UTM:	<ul> <li>38.28099° / -121.98241°</li> <li>Zone-10 N4237482 E589001</li> <li>25.1 acres</li> </ul>	Mapping Precisi Symbol Typ	-	æ: 01₩ n: 16	Qtr: √W
Location	a: 3/4 MILES WEST-SOUTHWE	ST OF VANDEN STATION, JUNCTION OF F	PEABODY AND VANDEN ROADS.		
Location Deta Ecologica Threat	II: GROWING ON THE MARGIN I: IN BOTTOMS OF SHALLOW, : POSSIBLY DEVELOPMENT.	ST OF VANDEN STATION, JUNCTION OF F S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTH STIMATED IN 1995. OTHER VARS PRESEN	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/		
Location Deta Ecologica Threat	II: GROWING ON THE MARGIN I: IN BOTTOMS OF SHALLOW, : POSSIBLY DEVELOPMENT. : MORE THAN 500 PLANTS ES DEVELOPMENTS. COLLECT LOCATION.	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTHI	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT	INDUSTRY	AND HOUSING
Location Deta Ecologica Threat General	II: GROWING ON THE MARGIN I: IN BOTTOMS OF SHALLOW, : POSSIBLY DEVELOPMENT. : MORE THAN 500 PLANTS ES DEVELOPMENTS. COLLECT LOCATION. r: PVT	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTHI STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S (	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN S	INDUSTRY	AND HOUSING ITRIBUTED TO THIS
Location Deta Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin	II: GROWING ON THE MARGIN I: IN BOTTOMS OF SHALLOW, : POSSIBLY DEVELOPMENT. : MORE THAN 500 PLANTS E: DEVELOPMENTS. COLLECT LOCATION. r: PVT . 12 Map Index : Unknown : Natural/Native occurrence	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTHI STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S (	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN S	INDUSTRY / SN) ALSO A <sup></sup> — Dates La Element:	AND HOUSING ITRIBUTED TO THIS
Location Deta Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence	II: GROWING ON THE MARGIN I: IN BOTTOMS OF SHALLOW, : POSSIBLY DEVELOPMENT. : MORE THAN 500 PLANTS ES DEVELOPMENTS. COLLECT LOCATION. r: PVT D. 12 Map Index : Unknown	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTHI STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S (	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN 9 49397 —	INDUSTRY / SN) ALSO A <sup>-</sup> — Dates La Element: Site:	AND HOUSING ITRIBUTED TO THIS st Seen 1960-04-21
Location Deta Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend	II: GROWING ON THE MARGIN II: IN BOTTOMS OF SHALLOW, POSSIBLY DEVELOPMENT. MORE THAN 500 PLANTS ES DEVELOPMENTS. COLLECT LOCATION. PVT 0. 12 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Frairfield North (3812231/499E	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTH STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S ( : 49397 EO Index:	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN 9 49397 —	INDUSTRY / SN) ALSO A <sup>-</sup> — Dates La Element: Site:	AND HOUSING ITRIBUTED TO THIS st Seen 1960-04-21 1960-04-21
Location Deta Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary Lat/Long UTM:	II: GROWING ON THE MARGIN II: IN BOTTOMS OF SHALLOW, POSSIBLY DEVELOPMENT. MORE THAN 500 PLANTS EX DEVELOPMENTS. COLLECT LOCATION. PVT 12 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield North (3812231/499E Solano 38.32807° / -122.01685° Zone-10 N4242673 E585932 2/5 mile	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTH STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S ( : 49397 EO Index:	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN : 49397 - Record L: Townshi Range onNON-SPECIFIC Sectio	INDUSTRY SN) ALSO A Dates La Element: Site: ast Updated: p: 06N e: 01W n: 31	AND HOUSING ITRIBUTED TO THIS st Seen 1960-04-21 1960-04-21
Location Deta Ecologica Threat General Owner/Manage Occurrence No Occ Rank Origin Presence Trend Quad Summary County Summary County Summary Lat/Long UTM: Radius Elevation	II: GROWING ON THE MARGIN II: IN BOTTOMS OF SHALLOW, POSSIBLY DEVELOPMENT. MORE THAN 500 PLANTS EST DEVELOPMENTS. COLLECT LOCATION. PVT 12 Map Index Unknown Natural/Native occurrence Presumed Extant Unknown Fairfield North (3812231/499E Solano 38.32807° / -122.01685° Zone-10 N4242673 E585932 2/5 mile 210 ft	S OF POOLS AND ALONG SWALES, S 1/2 ALKALINE VERNAL POOLS; WITH LASTH STIMATED IN 1995. OTHER VARS PRESEN ION FROM "N OF SP LINE [RAILROAD], S ( : 49397 EO Index: ) Mapping Precisio	OF NW 1/4 SEC 16. IENIA CONJUGENS, DISTICHLIS SPICAT/ NT. PARCEL IS SURROUNDED BY LIGHT OF CEMENT HILL ROAD" (G. HOLSTEIN : 49397 Record La ConNON-SPECIFIC Sectio De:POINT Meridia	INDUSTRY SN) ALSO A Dates La Element: Site: ast Updated: p: 06N e: 01W n: 31	AND HOUSING TTRIBUTED TO THIS st Seen 1960-04-21 1960-04-21 2002-11-14

rampton's tuctoria or S	Solano grass			Ele	ement Code: PMPOA6N020		
Stat	us ———		NDDB Element	t Ranks	Other Lists		
Federal: Endang State: Endang			Global: G1 State: S1.2	1	CNPS L	.ist: 1B.1	
Habitat As	ssociations —						
General: VERNA	L POOLS, VALL	EY AND FOOTHIL	L GRASSLAND.				
Micro: CLAY B	OTTOMS OF DR	RYING VERNAL P	OOLS AND LAKES IN VAL	LEY GRASSLAND. 5-10M.			
Occurrence No	. 1	Map Index: 2	24756	EO Index: 6795		Dates Las	st Seen
Occ Rank:	None					Element:	1993-07-31
Origin	Natural/Native	occurrence				Site:	2000-07-24
	Extirpated						
Trend:	Unknown				Record Las	t Updated:	2008-01-14
Quad Summary	: Dozier (381213	37/498D)					
County Summary	: Solano						
Lat/Long	: 38.27046º/-12	21.82672°			Township:	05N	
UTM:	Zone-10 N423	6474 E602632			Range:		
Area:	9.2 acres		Мар	ping PrecisionSPECIFIC	Section:	23	Qtr: NE
Elevation	: 15 ft			Symbol Type:POLYGON	Meridian:	Μ	
-				H FRANKENIA, ERYNGIUM,			
Threat: General: Owner/Manager	THIS PORTION TYPE LOCALI NONE SEEN 1 SOLANO LANI	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRF D TRUST	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE	MAY HAVE IN 1987-19 RIBUTED H	CAUSED EXTIRF 192, 4 PLANTS IN IERE.
Threat: General Owner/Manager Occurrence No	: THIS PORTION : TYPE LOCALI" NONE SEEN 1 : SOLANO LANE . 2	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRF	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF	MAY HAVE IN 1987-19 RIBUTED H Dates Las	CAUSED EXTIRF 92, 4 PLANTS IN IERE. st Seen
Threat: General Owner/Manager Occurrence No Occ Rank:	: THIS PORTION : TYPE LOCALI NONE SEEN 1 : SOLANO LANE . 2 : Fair	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index:	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element:	CAUSED EXTIRF 92, 4 PLANTS IN IERE. st Seen 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin:	THIS PORTION     TYPE LOCALI     NONE SEEN 1     SOLANO LANE     2     Fair     Natural/Native	N OF OLCOTT IS I TY, 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index:	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF	MAY HAVE IN 1987-19 RIBUTED H Dates Las	CAUSED EXTIRF 92, 4 PLANTS IN IERE. st Seen
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence:	: THIS PORTION : TYPE LOCALI NONE SEEN 1 : SOLANO LANE . 2 : Fair	N OF OLCOTT IS I TY, 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index:	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element: Site:	CAUSED EXTIRF 92, 4 PLANTS IN IERE. st Seen 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence:	THIS PORTION     TYPE LOCALI     NONE SEEN 1     SOLANO LANE     Z     Fair     Natural/Native     Presumed Exta     Decreasing	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index: occurrence ant	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element: Site:	CAUSED EXTIRF 92, 4 PLANTS IN ERE. st Seen 2005-XX-XX 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend:	THIS PORTION     TYPE LOCALI     NONE SEEN 1     SOLANO LANE     SOLANO LANE     Fair     Natural/Native     Presumed Exta     Decreasing     Dozier (381213)	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index: occurrence ant	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element: Site:	CAUSED EXTIRF 92, 4 PLANTS IN ERE. st Seen 2005-XX-XX 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long	THIS PORTION     TYPE LOCALI'     NONE SEEN 1     SOLANO LANE     SOLANO LANE     Solano     Dozier (381213     Solano     38.25553º/-12	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRE D TRUST Map Index: ^ occurrence int 37/498D) 21.86910°	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON,	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH	MAY HAVE IN 1987-19 RBUTED H Dates Las Element: Site: t Updated:	CAUSED EXTIRF 92, 4 PLANTS IN ERE. st Seen 2005-XX-XX 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	THIS PORTION     TYPE LOCALI     NONE SEEN 1     SOLANO LANE     Z     Fair     Natural/Native     Decreasing     Dozier (381213     Solano     38.25553°/-12     Zone-10 N4234	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRE D TRUST Map Index: ^ occurrence int 37/498D) 21.86910°	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400	ZING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH  Record Las	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element: Site: t Updated: 05N	CAUSED EXTIRF 192, 4 PLANTS IN IERE. st Seen 2005-XX-XX 2005-XX-XX 2008-01-15
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area:	THIS PORTION TYPE LOCALT NONE SEEN 1 SOLANO LANE Fair Natural/Native 1 Presumed Exta Decreasing Dozier (381213 Solano 38.25553°/-12 Zone-10 N423 11.7 acres	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRE D TRUST Map Index: ^ occurrence int 37/498D) 21.86910°	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400	ZING. OVERCOLLECTION & 0 PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF Record Las Township: Range: Section:	MAY HAVE IN 1987-19 RIBUTED H Dates Lat Element: Site: t Updated: 05N 01E 28	CAUSED EXTIRF 92, 4 PLANTS IN ERE. st Seen 2005-XX-XX 2005-XX-XX
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM:	THIS PORTION TYPE LOCALT NONE SEEN 1 SOLANO LANE Fair Natural/Native 1 Presumed Exta Decreasing Dozier (381213 Solano 38.25553°/-12 Zone-10 N423 11.7 acres	N OF OLCOTT IS I TY. 100-150 PLAN 994-2006; EXTIRE D TRUST Map Index: ^ occurrence int 37/498D) 21.86910°	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400	ZING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF  Record Las Township: Range:	MAY HAVE IN 1987-19 RIBUTED H Dates Lat Element: Site: t Updated: 05N 01E 28	CAUSED EXTIRF 192, 4 PLANTS IN IERE. st Seen 2005-XX-XX 2005-XX-XX 2008-01-15
Threat: General: Owner/Manager Occurrence No Occ Rank: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	<ul> <li>THIS PORTION NONE SEEN 1</li> <li>TYPE LOCALIT NONE SEEN 1</li> <li>SOLANO LANE</li> <li>SOLANO LANE</li> <li>Fair</li> <li>Natural/Native</li> <li>Presumed Exta</li> <li>Decreasing</li> <li>Dozier (381213</li> <li>r Solano</li> <li>30.25553° / -12</li> <li>Zone-10 N4234</li> <li>11.7 acres</li> <li>35 ft</li> <li>APPROX 2.5 M</li> </ul>	N OF OLCOTT IS I 994-2006; EXTIRE D TRUST Map Index:	PROTECTED FROM GRAZ TS REPORTED BY CRAM ATED. MULTIPLE COLLE 10400 Map	ZING. OVERCOLLECTION & 0 PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310 Deping PrecisionSPECIFIC Symbol Type:POLYGON IT LARGEST VERNAL POOL.	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTH Record Las Township: Range: Section: Meridian:	MAY HAVE IN 1987-19 RBUTED H Dates Las Element: Site: t Updated: 05N 01E 28 M	CAUSED EXTIRF 92, 4 PLANTS IN ERE. st Seen 2005-XX-XX 2005-XX-XX 2008-01-15 Qtr: \W
Threat: General: Owner/Manager Occurrence No Occ Rank: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location	<ul> <li>THIS PORTION NONE SEEN 1</li> <li>TYPE LOCALI NONE SEEN 1</li> <li>SOLANO LANK</li> <li>SOLANO LANK</li> <li>Presumed Exta Decreasing</li> <li>Dozier (381213 r: Solano</li> <li>38.25553° / -12 Zone-10 N423- 11.7 acres</li> <li>35 ft</li> <li>APPROX 2.5 M</li> <li>3.4 KM (2.1 MI)</li> </ul>	N OF OLCOTT IS I TY, 100-150 PLAN 994-2006; EXTIRE D TRUST Map Index: 000000000000000000000000000000000000	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400 Map F OLCOTT LAKE, IN "NEX SACRAMENTO NORTHEF	ZING. OVERCOLLECTION & 0 PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310 Deping PrecisionSPECIFIC Symbol Type:POLYGON	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF Record Las Township: Range: Section: Meridian: " (3.5 MI) WEST OF HWY 113.	MAY HAVE IN 1987-19 RIBUTED H Dates Las Element: Site: t Updated: 05N 01E 28 M IN SECTIC	CAUSED EXTIRF 92, 4 PLANTS IN IERE. st Seen 2005-XX-XX 2008-01-15 Qtr: VW DN 28: NW 1/4 OF
Threat: General Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary County Summary Lat/Long UTM: Area: Elevation Location Detai	<ul> <li>THIS PORTION NONE SEEN 1</li> <li>TYPE LOCALI NONE SEEN 1</li> <li>SOLANO LAND</li> <li>2</li> <li>Fair</li> <li>Natural/Native 1</li> <li>Presumed Exta</li> <li>Decreasing</li> <li>Dozier (381213</li> <li>Solano</li> <li>38.25553° / -12</li> <li>Zone-10 N423</li> <li>11.7 acres</li> <li>35 ft</li> <li>APPROX 2.5 M</li> <li>3.4 KM (2.1 MI AND NE 1/4 OI</li> <li>IN LARGE SAL</li> </ul>	N OF OLCOTT IS I TY, 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index: 000000000000000000000000000000000000	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400 F OLCOTT LAKE, IN "NEX SACRAMENTO NORTHEF 5 FOUND IN DIFFERENT L LAYA/POOL IN ANNUAL G	ING. OVERCOLLECTION & 0 PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310 Diping PrecisionSPECIFIC Symbol Type:POLYGON IT LARGEST VERNAL POOL. RN RR TRACKS AND 5.7 KM	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF Record Las Township: Range: Section: Meridian: " (3.5 MI) WEST OF HWY 113. YEAR; NOT FOUND THROUG VITH MALVELLA LEPROSA,	MAY HAVE IN 1987-19 RIBUTED H Dates Lat Element: Site: t Updated: 05N 01E 28 M IN SECTIC GHOUT EN FRANKENI.	CAUSED EXTIRF 192, 4 PLANTS IN IERE. <b>st Seen</b> 2005-XX-XX 2008-01-15 Qtr: VW ON 28: NW 1/4 OF ITIRE POOL. A SALINA, CRESS
Threat: General: Owner/Manager Occurrence No Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long UTM: Area: Elevation Location Detai Ecological	<ul> <li>THIS PORTION NONE SEEN 1</li> <li>TYPE LOCALT NONE SEEN 1</li> <li>SOLANO LAND</li> <li>2</li> <li>Fair</li> <li>Natural/Native 1</li> <li>Presumed Exta</li> <li>Decreasing</li> <li>Dozier (381213</li> <li>r: Solano</li> <li>38.25553° / -12</li> <li>Zone-10 N423</li> <li>11.7 acres</li> <li>35 ft</li> <li>APPROX 2.5 M</li> <li>3.4 KM (2.1 MI AND NE 1/4 OI</li> <li>IN LARGE SAL TRUXILLENSIS BEETLES.</li> </ul>	N OF OLCOTT IS I TY, 100-150 PLAN 994-2006; EXTIRF D TRUST Map Index: occurrence ant 37/498D) 21.86910° 4772 E598945 41 SOUTHWEST C SOUTH OF THE F NW 1/4. PLANTS LINE-ALKALINE PI S, ERYNGIUM AR	PROTECTED FROM GRAZ TS REPORTED BY CRAM PATED. MULTIPLE COLLE 10400 IF OLCOTT LAKE, IN "NEX SACRAMENTO NORTHEF 5 FOUND IN DIFFERENT L AYA/POOL IN ANNUAL G ISTULATUM, DISTICHLIS :	ING. OVERCOLLECTION & ( PTON IN 1958, 553 PLANTS CTIONS FROM CRAMPTON, EO Index: 6310 Digits PrecisionSPECIFIC Symbol Type:POLYGON IT LARGEST VERNAL POOL. RN RR TRACKS AND 5.7 KM .OCATIONS IN POOL EACH ' RASSLAND. ASSOCIATED V	CHANGES IN HYDROLOGY I IN 1985, 100 IN 1986, NONE GRIGGS, & MALLOCH ATTF Record Las Township: Range: Section: Meridian: " (3.5 MI) WEST OF HWY 113. YEAR; NOT FOUND THROUG VITH MALVELLA LEPROSA, A COLUSANA. SEEN ALSO W	MAY HAVE IN 1987-19 RIBUTED H Dates Lat Element: Site: t Updated: 05N 01E 28 M IN SECTIO GHOUT EN FRANKENI, /ITH DELT/	CAUSED EXTIRF 192, 4 PLANTS IN IERE. St Seen 2005-XX-XX 2008-01-15 Qtr: VW DN 28: NW 1/4 OF ITIRE POOL. A SALINA, CRESS A GREEN GROUN

Owner/Manager: PVT

Global: G1 State: S1.1	CNPS List: 1B.1
State: S1.1	
ND.	
LAKES IN VALLEY GRASSLAND. 5-10M.	
EO Index: 6337	Dates Last Seen
	Element: 2005-08-05
	<b>Site:</b> 2005-08-05
	Record Last Updated: 2008-01-14
	·
	Township: 08N
	Range: 03E
	Section: 31 Qtr: SE
Symbol Type:POLYGON	Meridian: M
LITY. 4 MI S OF INTERSTATE 80, E OF RD 104,	BETWEEN RD 34 AND RD 35.
D ACCORDING TO ESA MAP (2004). NEOSTAP	FIA COLUSANA ALSO OCCURS AT THIS SITE.
NORTHERN SUBPOP. RESTRICTED TO DISTU SSOCIATES INCLUDE CRYPSIS SCHOENOIDE	RBED GROUND. SOUTHERN SUBPOP. IN ALKALI SCA S & LEPIDIUM LATIFOLIA.
DW PITS & FIREBREAKS. INVASION BY NONNA	TIVE PLANTS (SALSOLA TRAGUS & LEPIDIUM
NTS TOTAL IN 1993, 2700 IN 1996, 1,993 IN 200 GEST EXTANT POPULATION. WILL EVENTUAL	1, 1403 IN 2004, UNKNOWN NUMBER SEEN IN 2005. LY BE MANAGED BY YOLO COUNTY PARKS.
	LAKES IN VALLEY GRASSLAND. 5-10M. EO Index: 6337 Mapping PrecisionSPECIFIC Symbol Type:POLYGON LITY. 4 MI S OF INTERSTATE 80, E OF RD 104, D ACCORDING TO ESA MAP (2004). NEOSTAP NORTHERN SUBPOP. RESTRICTED TO DISTUF ISSOCIATES INCLUDE CRYPSIS SCHOENOIDE DW PITS & FIREBREAKS. INVASION BY NONNA NTS TOTAL IN 1993, 2700 IN 1996, 1,993 IN 200

Commercial Version -- Dated May 03, 2008 -- Biogeographic Data Branch Report Printed on Wednesday, May 14, 2008 California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

<b>.</b>			Code: CTT42110CA
Enderally Marca	IS	NDDB Element Ranks	Other Lists
Federal: None State: None		Global: G1 State: S3.1	
		<b>Giaic.</b> 00.1	
Habitat As	sociations —		
General:			
Micro:			
0	0 Mars Indaws 40	500 <b>FO</b> In June 05000	Dates Last Seen
Occurrence No. Occ Rank:	•	569 <b>EO Index:</b> 25238	Element: 1983-02-06
	Natural/Native occurrence		Site: 1983-02-06
-	Extirpated		
	Unknown		Record Last Updated: 1998-07-15
Quad Summary:	Dozier (3812137/498D)		
County Summary	· · · · ·		
Lat/Long:	38.31380º / -121.81634º		Township: 05N
	Zone-10 N4241295 E603479		Range: 01E
	1/5 mile	Mapping PrecisionNON-SPECIFIC	Section: 01 Qtr: NW
Elevation:	20 ft	Symbol Type:POINT	Meridian: M
Location		OSTLY ON E SIDE HWY 113, 1.5 M N ON 113 FROM DOZIE	R RR STOP
		& HUMMOCKS W/GREAT SPECIES DIVERSITY.	
-			TT 404 400 A
		33, ELIMINATING COMMUNITY. THIS WAS OCC #009 OF C	, 1142 HUUA.
Owner/Manager:	PVI		
Occurrence No.	. 10 Map Index: 10	331 EO Index: 16294	Dates Last Seen
Occ Rank:			Element: 1981-XX-XX
	Natural/Native occurrence		Site: 1981-XX-XX
-	Presumed Extant		
Trend:	Increasing		Record Last Updated: 1998-07-15
Quad Summary:	Denverton (3812128/481B)		
County Summary	. ,		
	38.19842º / -121.88338º		Township: 04N
-	Zone-10 N4228420 E597773		Range: 01E
	430.7 acres	Mapping PrecisionSPECIFIC	Section: 17 Qtr: NE
Elevation:	100 ft	Symbol Type:POLYGON	Meridian: M
Location	SE OF DENVERTON, E OF SHILO	H RD TO RR TRACKS.	
		A. AREA TO N ALSO W/SOME NATIVE GRASSLAND.	
-		5-50% COVER BY NASSELLA PULCHRA. OTHER PERENN	IAL GRASSES AND WILDFLOWERS PRESENT.
		EAVY. GRAVEL MINING IN VICINITY.	
General:	THIS WAS OCC #010 OF CTT4211	OCA.	
Owner/Manager:			
		270 <b>FO</b> Indext 40200	Defection for the second
Occurrence No	12 Mon Indove 40		
Occurrence No.	•	<b>EO Index:</b> 16290	Dates Last Seen     Flement: 1988-04-16
Occ Rank:	Good	379 EO Index: 16290	— Dates Last Seen ——— Element: 1988-04-16 Site: 1988-04-16
Occ Rank: Origin:	•	3/9 EO Index: 16290	Element: 1988-04-16
Occ Rank: Origin: Presence:	Good Natural/Native occurrence	3/9 EU index: 16290	Element: 1988-04-16
Occ Rank: Origin: Presence: Trend:	Good Natural/Native occurrence Presumed Extant Increasing		Element:         1988-04-16           Site:         1988-04-16           Record Last Updated:         1998-07-15
Occ Rank: Origin: Presence: Trend: Quad Summary:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land	ing (3812127/481A), Denverton (3812128/481B), Elmira (381	Element:         1988-04-16           Site:         1988-04-16           Record Last Updated:         1998-07-15
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land : Solano		Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C)
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land : Solano 38.26446° / -121.86063°		Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land : Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675	ing (3812127/481A), Denverton (3812128/481B), Elmira (381	Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N Range: 01E
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres		Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N
Occ Rank: Origin: Presence: Trend: Quad Summary County Summary Lat/Long: UTM: Area: Elevation:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres 30 ft	ing (3812127/481A), Denverton (3812128/481B), Elmira (381 Mapping PrecisionSPECIFIC Symbol Type:POLYGON	Element:         1988-04-16           Site:         1988-04-16           Record Last Updated:         1998-07-15           2138/498C)
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: UTM: Area: Elevation:	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres 30 ft JEPSON PRAIRIE (15 M S OF DIX	ing (3812127/481A), Denverton (3812128/481B), Elmira (381 Mapping PrecisionSPECIFIC Symbol Type:POLYGON ON) & AREA W TO TRAVIS AFB RUNWAY & S TO DENVER	Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N Range: 01E Section: 28 Qtr: N Meridian: M
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres 30 ft JEPSON PRAIRIE (15 M S OF DIX BOUNDARY INCLUDES ALL CON SOLANO COUNTY FARMLANDS &	ing (3812127/481A), Denverton (3812128/481B), Elmira (381 <b>Mapping Precision</b> SPECIFIC <b>Symbol Type</b> :POLYGON ON) & AREA W TO TRAVIS AFB RUNWAY & S TO DENVEF TIGUOUS NATIVE GRASSLAND IN VICINITY. FORMERLY T & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT	Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N Range: 01E Section: 28 Qtr: N Meridian: M RTON. TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERR T.
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land : Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres 30 ft : JEPSON PRAIRIE (15 M S OF DIX : BOUNDARY INCLUDES ALL CON SOLANO COUNTY FARMLANDS & : ROLLING HUMMOCKY TOPOGRA	ing (3812127/481A), Denverton (3812128/481B), Elmira (381 <b>Mapping Precision</b> SPECIFIC <b>Symbol Type</b> :POLYGON ON) & AREA W TO TRAVIS AFB RUNWAY & S TO DENVER TIGUOUS NATIVE GRASSLAND IN VICINITY. FORMERLY 1	Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N Range: 01E Section: 28 Qtr: N Meridian: M RTON. TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERR T. VE GRASSES INCL NASSELLA PULCHRA, N. CERM
Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary Lat/Long: UTM: Area: Elevation: Location Location Detail	Good Natural/Native occurrence Presumed Extant Increasing Dozier (3812137/498D), Birds Land : Solano 38.26446° / -121.86063° Zone-10 N4235772 E599675 15,017.3 acres 30 ft : JEPSON PRAIRIE (15 M S OF DIX : BOUNDARY INCLUDES ALL CON SOLANO COUNTY FARMLANDS & : ROLLING HUMMOCKY TOPOGRA	ing (3812127/481A), Denverton (3812128/481B), Elmira (381 <b>Mapping Precision</b> SPECIFIC <b>Symbol Type</b> :POLYGON ON) & AREA W TO TRAVIS AFB RUNWAY & S TO DENVEF TIGUOUS NATIVE GRASSLAND IN VICINITY. FORMERLY T & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT APHY W/MOSAIC OF GRASSLAND, VERNAL POOLS. NATIV	Element: 1988-04-16 Site: 1988-04-16 Record Last Updated: 1998-07-15 2138/498C) Township: 05N Range: 01E Section: 28 Qtr: N Meridian: M RTON. TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERR T. VE GRASSES INCL NASSELLA PULCHRA, N. CERM

California Department of Fish and Game Natural Diversity Database Full Condensed Report for Selected Elements - Multiple Records per Page 12 USGS Quadrangles:

Status		NDDB Element Ranks	Element Code: CTT4	2110CA er Lists ———	
Federal: None		Global: G1	Current Curren		
State: None		State: S3.1			
Habitat Associations -					
General:					
Micro:					
Occurrence No. 33	Map Index:	0327 EO Index: 16	5284	Dates L	ast Seen ———
Occ Rank: Unknown				Element:	1972-XX-XX
Origin: Natural/Nativ				Site:	1972-XX-XX
Presence: Presumed E	xtant		5		
Trend: Decreasing			Ke	cord Last Updated	1: 1998-07-15
Quad Summary: Denverton (3	3812128/481B)				
County Summary: Solano					
Lat/Long: 38.21633º /	-121.884720		т	ownship: 04N	
UTM: Zone-10 N4	230406 E597631			Range: 01E	
Area: 97.2 acres		Mapping Precision	SPECIFIC	Section: 05	Qtr: SE
Elevation: 70 ft		Symbol Type	POLYGON	Meridian: M	
Location: LEUTHOLZ	RANCH (SE OF DEN	VERTON LESS THAN 1 MI, W SLOPES C	OF MONTEZUMA HILLS).		
Ecological: RELICT STA GRAY PHAS		LCHRA, 15% COVER IN PASTURE AREA	A. ASSOC W/ SOFT CHESS & RIF	PGUT. ON OLCUT	FINE SANDY LOAI

Owner/Manager: PVT

# Appendix C Federally Listed Plant and Animal Species

#### Table 1 Regional Federally Listed Plant Species

			S	tatus		Range/	Site	
Scientific Name	Common Name	Federal	State	CNPS	SHCP	Habitat requirements	potential	Rationale
Plants								
Asteraceae								
Lasthenia conjugens	Contra Costa goldfields	FE		1B.1	Yes	Cismontane woodland, Playas(alkaline), Valley and foothill	None	No suitable habitat occurs within the CPVVS action area.
						grassland, Vernal pools/mesic. Blooms March-June. Elevation		
						0 to 470 feet.		
Cirsium hydrophilum var.	Suisun thistle	FE		1B.1	Yes	Marshes and swamps(salt). Blooms June-September.	None	No suitable habitat occurs within the CPVVS action area.
hydrophilum						Elevation 0 to 1 feet.		Known elevation is below the CPVVS project action area
								elevation
Fabaceae								
Trifolium amoenum	two-fork clover	FE		1B.1			None	No suitable habitat occurs within the CPVVS action area.
						serpentinite). Blooms April-June. Elevation 5 to 415 feet.		
Poaceae								
Tuctoria mucronata	Crampton's tuctoria or Solano	FE	SE	1B.1	Yes	Valley and foothill grassland(mesic), Vernal pools. Blooms	None	No suitable habitat occurs within the CPVVS action area.
	grass					April-August. Elevation 5 to 10 feet.		
Neostapfia colusana	Colusa grass	FT	SE	1B.1	Yes	Vernal pools(adobe, large). Blooms May-August. Elevation 5	None	No suitable habitat occurs within the CPVVS action area.
						to 200 feet.		
Orcuttia inaequalis	San Joaquin Valley Orcutt	FT	SE	1B.1	Yes	Vernal pools. Blooms April-September. Elevation 10 to 755	None	No suitable habitat occurs within the CPVVS action area.
	grass					feet.		
Scrophulariaceae								
Cordylanthus mollis ssp. mollis	soft bird's-beak	FE	Rare	1B.2	Yes		None	No suitable habitat occurs within the CPVVS action area.
						Elevation 0 to 3 feet.		

Notes:

Federal Status FE = federally listed as endangered

FT = federally listed as threatened

State Status

SE = state listed as endangered

ST = state listed as threatened

California Native Plant Society (CNPS) Status

1A = plants presumed extinct in California

1B = plants rare, threatened, or endangered in California, but more common elsewhere

7

2 = plants rare, threatened, or endangered in California, but more common elsewhere

Solano Habitat Conservation Plan (SHCP)

Yes = covered species

No = not a covered species

NE = narrow endemic species

#### Table 2. Regional Federally Listed Animal Species

	0		Statu		Range/	Site	Dett. 1
Scientific Name	Common Name	Federal	State C	DFG SHCP	Habitat requirements	potential	Rationale
Invertebrates							
Branchinecta conservatio	Conservancy fairy shrimp	FE		Yes	Endemic to the grasslands of the northern two-thirds of the central valley; found in large, turbid pools (CNDDB 2008)	None	No suitable habitat occurs within the CPVVS action area.
Branchinecta lynchi	vernal pool fairy shrimp	FT		Yes	Inhabits small, clear-water sandstone depression pool and	None	No suitable habitat occurs within the CPVVS action area.
					grassland swale, earth slump, or basalt-flow depression pools (CNDDB 2008).		
Desmocerus californicus	valley elderberry longhorn	FT		Yes		None	No suitable habitat occurs within the CPVVS action area.
dimorphus	beetle				with blue elderberry (Sambucus mexicana) (CNDDB, 2008).		
Elaphrus viridis	Delta green ground beetle	FT		Yes	Restricted to the margins of vernal pools in the grassland area	None	No suitable habitat occurs within the CPVVS action area. The
					between Jepson Prairie and Travis AFB. Prefers the sandy mud substrate where it slopes gently into the water, with low-		CPVVS action area is not within the known range of this species.
					growing vegetation (CNDDB 2008).		
Lepidurus packardi	vernal pool tadpole shrimp	FE		Yes	Inhabits vernal pools and swales in the sacramento valley containing clear to highly turbid water (CNDDB 2008).	None	No suitable habitat occurs within the CPVVS action area.
Speyeria callippe callippe	callippe silverspot butterfly	FE		Yes	Restricted to the northern coastal scrub of the San Francisco	None	No suitable habitat occurs within the CPVVS action area. The
					peninsula. Host plant is Viola pendunculata (CNDDB, 2008).		CPVVS action area is not within the known range of this species.
<b>Fish</b> Acipenser medirostris	green sturgeon	FT		No	Spawns in the Sacramento River and the Klanath River	None	No suitable habitat occurs within the CPVVS action area. The
	gibbin dangebin	(NMFS)			(CNDDB 2008).		CPVVS action area is not within the known range of this species.
Hypomesus transpacificus	delta smelt	FT		Yes	5	None	No suitable habitat occurs within the CPVVS action area. The
					through the Delta in Contra Costa, Sacramento, San Joaquin,		CPVVS action area is not within the known range of this
					Solano and Yolo counties. Shortly before spawning, adults		species.
					migrate upstream from the brackish-water habitat associated with the mixing zone and disperse widely into river channels		
					and tidally influenced backwater sloughs. (USFWS 2007).		
Oncorhynchus kisutch	coho salmon - central CA	FE		No		None	No suitable habitat occurs within the CPVVS action area. The
	coast	(NMFS)			salmon from Punta Gorda in northern California south to and		CPVVS action area is not within the known range of this
					including the San Lorenzo River in central California, as well		species.
					as populations in tributaries to San Francisco Bay, excluding the Sacramento-San Joaquin River system		
Oncorhynchus mykiss	Central California Coastal	FT		Yes		None	The CPVVS action area is not within the known range of this
	steelhead	(NMFS)			mykiss (steelhead) populations below natural and manmade		species.
					impassable barriers in California streams from the Russian		
					River (inclusive) to Aptos Creek (inclusive), and the drainages		
					of San Francisco, San Pablo, and Suisun Bays eastward to Chipps Island at the confluence of the Sacramento and San		
					Joaquin Rivers. Tributary streams to Suisun Marsh including		
					Suisun Creek, Green Valley Creek, and an unnamed tributary		
					to Cordelia Slough (commonly referred to as Red Top Creek),		
Oncorhynchus mykiss	Central Valley steelhead	FT		Yes		Moderate	The Solano HCP indicates that steelhead can be expected to
		(NMFS)			(steelhead) populations below natural and manmade		occur at least periodically in any of the perennial streams in
					impassable barriers in the Sacramento and San Joaquin Rivers and their tributaries,		Solano County, including Alamo Creek, and their tributaries
Oncorhynchus tshawytscha	Central Valley spring-run	FT		Yes	The ESU includes all naturally spawned populations of spring-	None	No suitable habitat occurs within the CPVVS action area. The
	chinook salmon	(NMFS)			run Chinook salmon in the Sacramento River and its tributaries in California		CPVVS action area is not within the known range of this species.
Oncorhynchus tshawytscha	winter-run chinook salmon	FE		Yes	The ESU includes all naturally spawned populations of winter-	None	No suitable habitat occurs within the CPVVS action area. The
		(NMFS)			run Chinook salmon in the Sacramento River and its		CPVVS action area is not within the known range of this
					tributaries in California		species.

#### Table 2. Regional Federally Listed Animal Species

Table 2. Regional Federally	Listed Animai Species	1	Sta	itus		Range/	Site	
Scientific Name Oncorhynchus tshawytscha	Common Name Central Valley fall/late fall run chinook salmon	Federal SC (NMFS)		CDFG	SHCP Yes	Habitat requirements The ESU includes all naturally spawned populations of fall/late fall-run Chinook salmon in the Sacramento River and its tributaries in California	potential	Rationale No suitable habitat occurs within the CPVVS action area. The CPVVS action area is not within the known range of this species.
Amphibians Ambystoma californiense	California tiger salamander	FT		CSC	Yes	The species is restricted to grasslands and low (typically below 2000 feet/610 meters) foothill regions where lowland aquatic sites are available for breeding. They prefer natural ephemeral pools or ponds that mimic them (stock ponds that are allowed to go dry).	None	No suitable habitat occurs within the CPVVS action area.
Rana aurora draytonii	California red-legged frog	FT		CSC	Yes	Adults need dense, shrubby or emergent riparian vegetation closely associated with deep (greater than 2 1/3-foot deep) stil or slow moving water. The largest densities of California red- legged frogs are associated with deep-water pools with dense stands of overhanging willows and an intermixed fringe of cattails. Well-vegetated terrestrial areas within the riparian corridor may provide important sheltering habitat during winter California red-legged frogs estivate (enter a dormant state during summer or dry weather) in small mammal burrows and moist leaf litter. They have been found up to 100 feet from water in adjacent dense riparian vegetation.		No suitable habitat occurs within the CPVVS action area.
<b>Reptiles</b> Thamnophis gigas	giant garter snake	FT	ST		Yes	Prefers freshwater marsh and low gradient streams. Has adapted to drainage canals and irrigation ditches (CNDDB	Moderate	Suitable habitat is present within the CPVVS action area. The CPVVS actiona area is within the potential range of this
Masticophis lateralis euryxanthus	Alameda whipsnake (=striped racer)	FT			No	2008). The Alameda whipsnake currently inhabits the inner coast range mostly in Contra Costa and Alameda counties, with additional occurrence records in San Joaquin and Santa Clara counties. Alameda whipsnakes are typically found in chaparral—northern coastal sage scrub and coastal sage. (USFWS 2005)	None	species. No suitable habitat occurs within the CPVVS action area. The CPVVS action area is not within the known range of this species.
Birds Pelecaniformes Pelecanus occidentalis californicus	California brown pelican	FE, MBTA		FP	No	Typically, the ocean littoral, just outside the surf-line. Rarely strays either inland or far offshore. For nesting, coastal islands of small or moderate size where immunity from attacks of ground-dwelling predators is afforded. (Grinnell and Miller, 1944)	Low	Preferred habitat for this species does not occur within the CPVVS action area; however, it may fly over the site.
Gruiformes Rallus longirostris obsoletus	California clapper rail	FE, MBTA	SE, FP		Yes	Exclusively salt-water marshes traversed by tidal sloughs. Usually associated with abundant growths of pickle-weed (Salicornia), but feeds out from cover on molluscs obtained from the mud-bottomed sloughs. (Grinnell and Miller, 1944)	None	No suitable habitat occurs within the CPVVS action area. The CPVVS action area is not within the known range of this species.
antillarum	California least tern	FE, MBTA	FP		No	For nesting, sandy, upper sea-beaches, or, rarely, inside mud- flats; forforaging, adjacent open ocean, surf-line or estuaries. (Grinnell and Miller, 1944)	Low	Preferred habitat for this species does not occur within the CPVVS action area; however, it may fly over the site.
Charadriiformes Charadrius alexandrius nivosus	western snowy plover	FT, MBTA			No	Characteristically, sandy sea-beaches, chiefly the upper portions of these, above upper limit of normal tides. But also present locally on dikes of salt-ponds, and on shores of alkali or brackish lakes inland. (Grinnell and Miller, 1944)	None	No suitable habitat occurs within the CPVVS action area. The CPVVS action area is not within the known range of this species.

#### Table 2. Regional Federally Listed Animal Species

			S	tatus		Range/	Site	
Scientific Name	Common Name	Federal	State	CDFG	SHCP	Habitat requirements	potential	Rationale
Mammals								
Reithrodontomys raviventris	salt-marsh harvest mouse	FE	SE, FP		Yes	Occurs in the tidal marshes of San Pablo and Suisun bays. (CNDDB 2008)	None	No suitable habitat occurs within the CPVVS action area. The CPVVS action area is not within the known range of this species.
Notes:								
Federal Status								
FE = federally listed as endangered								
FT = federally listed as threatened								
MBTA = Migratory Bird Treaty Act								
BGEPA = Bald and Golden Eagle Pr	otection Act							
State Status								
SE = State listed as endangered								
ST = State listed as threatened								
CSC = State species of concern								
FP = State fully protected species								
SS = State Special Animal								
Solano Habitat Conservation Plan (S	SHCP)							
Yes = covered species								
No = not a covered species								
NE = narrow endemic species								

#### Table 3. Observed Species

		Location	within the 1-mile	survey area	Location within the VEC project site		
•	·	Riparian	Agriculture	Residential/	VEC facility/	Substation/	Natural gas
Scientific Name	Common Name	habitat	habitat	Recreational	laydown	T-line	pipeline
Plants							
Anacardiaceae							
Toxicodendron diversiloba	Poison oak	Х					
Apiaceae							
Foeniculum vulgare	fennel	х					
Heracleum lanatum	hemlock	х					
Asteraceae							
Silybum marianum					х		
Carduus pycnocephalus	Italian thistle				Х		
Pichris echiodies					Х		
	Mugwort	х					
Brassicaceae							
Brassica nigra	black mustard				х		
Hirschfeldia incana	short pod mustard	х			Х		
Caprifoliaceae							
Sambucus mexicana	Blue elderberry	x					
Chenopodiaceae							
Rumex crispus	curly dock				х		
Fabaceae							
Medicago sativa	Alfalfa		х			х	х
Vicia sativa	garden vetch				Х		
Medicago polymorpha	bur clover				Х		
Poaceae							
Phalaris aquatica	Harding grass				Х		
Bromus hordeaceus	soft chess	х			Х	х	
Avena fauta	wild oat				Х		
Bromus diandrus	ripgut brome	х			Х		
Lolium multiflorum	English rye				Х		
Vulpia bromoides					х		
Fagaceae							
Quercus lobata	Valley oak				Х		
Geraniaceae							
Erodium cicutarium	redstem filaree	х			х		
Hippocastanaceae							
Aesculus californica	California buckeye	х					
Ranunculaceae							
Ranunculus	buttercup				х		
Rosaceae							
Rosa californica	California rose	х					

#### Table 3. Observed Species

-		Location v	within the 1-mile	survey area	Location	within the VEC p	roject site
	•	Riparian	Agriculture	Residential/	VEC facility/	Substation/	Natural gas
Scientific Name	Common Name	habitat	habitat	Recreational	laydown	T-line	pipeline
Prunus dulcis	Sweet almond	х					
Salicaceae							
Salix lasiolepis	Aroyyo willo	х					
Typhaceae							
Typha latifolia	broadleaf cattail	x					
Animals			1				
Birds							
Galliformes							
Phasianus colchicus	Ring-necked Pheasant				Х		
Ciconiiformes							
Egretta thula	Snowy Egret	х					
Cathartes aura	Turkey Vulture						
Falconiformes							
Elanus leucurus	white-tailed kite				Х		
Circus cyaneus	northern harrier				Х		
Buteo swainsoni	Swainson's hawk	х			х		
Buteo jamaicensis	Red-tailed Hawk				х		
Falco sparverius	American Kestrel	х			Х		
Gruiformes							
Charadrius vociferus	Killdeer				Х		
Columbiformes							
Zenaida macroura	Mourning Dove				Х	х	
Passeriformes							
Lanius Iudovicianus	Loggerhead Shrike				х		х
Aphelocoma californica	Western Scrub-Jay			х			
Corvus corax	Common Raven	х	Х		Х		х
Mimus polyglottos	Northern Mockingbird			х			
Sturnus vulgaris	European starling	х					
Passerculus sandwichensis	Savannah Sparrow				Х		
Agelaius phoeniceus	Red-winged Blackbird				х	х	х
Sturnella neglecta	Western Meadowlark				Х	х	х
Euphagus cyanocephalus	Brewer's Blackbird				х		

Appendix D Botanical Survey Results CPVVS Botanical Survey Results June 24, 2008

Virginia Dains, Consulting Botanist 3371Ayres Holmes Road Auburn, Ca 95602

530-888-9180

Background

Field surveys of the proposed CPVVS project site, including the construction laydown area, substation, electrical transmission line, and natural gas pipeline were conducted by Botanist Virginia Dains and Michael Clary on May 29, 2008. The purpose of the survey was to determine habitat suitability for sensitive plant species within the 1mile radius of the proposed facility (Table 5.2-1a) and within the facility footprint (Table 5.2-2a). All of the CPVVS proposed work areas, were surveyed on foot. Habitats within the substation, electrical transmission line, natural gas pipeline, and private inaccessible lands within 1-mile of the CPVVS site were surveyed from the roadway. A 1 inch=2,000 foot scale true color aerial photograph of the project vicinity was also used to assess habitats and rare plant potentials. Specific attention was given to wet agricultural ditches, manmade seasonal wetlands and known historic locations for special status plants in the area. A list of plant species observed during the field survey is attached.

#### Findings

No sensitive plant species were observed during the late May field survey and none are expected to occur within any the CPVVS work areas. As indicated in Table 5.2-1a, 34 special status plant species have some potential to occur within 1-mile of the CPVVS facility. None of these species have potential habitat within the project footprint (Table 5.2-2a). In general, the project site is disturbed agricultural land and irrigated or dryland pasture lacking natural topography. Several of the species on the target list require specific seasonal wetland habitats such as vernal pools or playa lakes which are not found in the area. While vastly different in character, all wetland areas within the project footprint including agricultural and roadside ditches and the railroad siding were surveyed for rare species.

An attempt to re-locate a 1960's recorded population of Baker's navarretia along the railroad siding at the far western edge of the project vicinity. No navarretia was found and habitats currently developed along the siding are inappropriate for this species. Changes in land management (mowing, disking) or drainage patterns for agricultural development may have altered habitats for this population.

A historic population of the federally listed Showy Indian clover (Trifolium amoenum) is recorded from collections in the Elmira area from 1892 and was last seen in 1909. According to the California Native Plant Society<sup>1</sup>, showy Indian clover is considered to be extirpated in Solano County. When collected, the plant was recorded as growing in "rich swales". No habitat similar to this was seen in the project area.

#### Summary

No special status plants are expected to be found in the CPVVS work areas, and there is only limited potential for rare plant species to be found in 1-mile of the project area. No mitigation or additional botanical surveys should be required for this project.

<sup>&</sup>lt;sup>1</sup>California Native Plant Society (CNPS). 2008. Inventory of Rare and Endangered Plants (online edition, v7-08b). California Native Plant Society. Sacramento, CA. Accessed on Wed, Jun. 18, 2008 from http://www.cnps.org/inventory

TABLE 5.2E-1 Regional Special-Status Plant Species

Colontifio No	Range/	1 mile	Part and a
Scientific Name Plants	Habitat requirements	potential	Rationale
Apiaceae			
Lilaeopsis masonii	Marshes and swamps (brackish or freshwater), Riparian scrub. Blooms April-November. Elevation 0 to 10 feet. (CNPS 2008)	None	No suitable habitat occurs within 1 mile of the project site.
Lomatium repostum	Chaparral, Cismontane woodland/serpentinite. Blooms March-June. Elevation 90 to 830 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Perideridia gairdneri ssp. gairdneri	Broadleafed upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools/vernally mesic. Blooms June-October. Elevation 0 to 365 feet.	Low	Potential habitat manmade or degraded within the 1-mile survey area
Asteraceae			
Balsamorhiza macrolepis var. macrolepis	Chaparral, Cismontane woodland, Valley and foothill grassland/sometimes serpentinite. Blooms March-June. Elevation 90 to 1400 feet.	None	Known elevation range is above 1-mile survey area elevation.
Blepharizonia plumosa	Valley and foothill grassland. Blooms July-October. Elevation 30 to 505 feet.	Low	Degraded and manmade habitat occurs within the 1-mile survey area
Centromadia parryi ssp. congdonii	Valley and foothill grassland(alkaline). Blooms May-Oct(Nov). Elevation 1 to 230 feet.	Moderate	Suitable habitat occurs within the 1-mile survey area
Centromadia parryi ssp. parryi	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps(coastal salt), Valley and foothill grassland(vernally mesic)/often alkaline. Blooms May-November. Elevation 2 to 420 feet.	Moderate	Suitable habitat occurs within the 1-mile survey area
Centromadia parryi ssp. rudis	Valley and foothill grassland, Vernal pools/alkaline, vernally mesic, seeps, sometimes roadsides. Blooms May-October. Elevation 0 to 100 feet.	Moderate	Suitable habitat occurs within the 1-mile survey area
Cirsium hydrophilum var. hydrophilum	Marshes and swamps(salt). Blooms June-September. Elevation 0 to 1 feet.	None	No suitable habitat occurs within 1 mile of the project site. Known elevation is below the 1-mile survey area elevation
Erigeron biolettii	Broadleafed upland forest, Cismontane woodland, North Coast coniferous forest/rocky, mesic. Blooms June-October. Elevation 30 to 1100 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Grindelia stricta	Tidal flats, marshes, dunes and sea bluffs	None	No suitable habitat occurs within the 1-mile survey area
Hesperevax caulescens	Valley and foothill grassland(mesic, clay), Vernal pools(shallow).	Low	Potential habitat degraded and manmade occurs within the 1-mile
Isocoma arguta	Blooms March-June. Elevation 0 to 505 feet. Valley and foothill grassland(alkaline). Blooms August-December. Elevation 1 to 20 feet.	Low	survey area Potential habitat degraded or manmade occurs within the 1-mile
Lasthenia conjugens	Cismontane woodland, Playas(alkaline), Valley and foothill grassland, Vernal pools/mesic. Blooms March-June. Elevation 0 to 470 feet.	None	survey area No suitable habitat found within the 1-mile survey area.
Lasthenia ferrisiae	Vernal pools(alkaline, clay). Blooms February-May. Elevation 20 to 700 feet.	Low	Degraded or manmade habitat may occur within private inaccessible areas within the 1-mile survey area.
Lessingia hololeuca	Broadleafed upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland/clay, serpentinite. Blooms June-October. Elevation 15 to 305 feet.	None	No suitable habitat occurs within the 1-mile survey area
Micropus amphibolus	Broadleafed upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland/rocky. Blooms March-May. Elevation 45 to 825 feet.	None	No suitable habitat occurs within the 1-mile survey area
Microseris sylvatica	Chaparral, Cismontane woodland, Great Basin scrub, Pinyon and juniper woodland, Valley and foothill grassland(serpentinite). Blooms March-June. Elevation 45 to 1500 feet.	None	No suitable habitat occurs within the 1-mile survey area
Psilocarphus brevissimus var.	Vernal pools. Blooms May-June. Elevation 10 to 500 feet.	Low	Degraded or manmade habitat may occur within private inaccessible
multiflorus Senecio aphanactis	Chaparral, Cismontane woodland, Coastal scrub/sometimes alkaline.	None	areas within the 1-mile survey area. No suitable habitat occurs within 1 mile of the project site.
Symphyotrichum lentum	Blooms January-April. Elevation 15 to 800 feet. Marshes and swamps(brackish and freshwater). Blooms May- November. Elevation 0 to 3 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Boraginaceae			
Arabis modesta	Chaparral, Lower montane coniferous forest. Blooms March-July. Elevation 120 to 800 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Lepidium latipes var. heckardii	Valley and foothill grassland(alkaline flats). Blooms March-May. Elevation 10 to 200 feet.	Low	Degraded or manmade habitat occurs within the 1-mile survey area
Plagiobothrys hystriculus	Valley and foothill grassland(mesic), Vernal poolsmargins/often verna swales. Blooms April-May. Elevation 0 to 52 feet.	Low	Degraded or manmade habitat occurs within the 1-mile survey area
Campanulaceae			
Downingia pusilla	Valley and foothill grassland(mesic), Vernal pools. Blooms March- May. Elevation 1 to 445 feet.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Legenere limosa	Vernal pools. Blooms April-June. Elevation 1 to 880 feet. This species has been reported within 1 mile of the project vicinity, but the occurrence is presumed extirpated.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Chenopodiaceae			
Atriplex cordulata	Chenopod scrub, Meadows and seeps, Valley and foothill grassland(sandy)/saline or alkaline. Blooms April-October. Elevation 1 to 375 feet.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Atriplex coronata var. coronata	Chenopod scrub, Valley and foothill grassland, Vernal pools/alkaline. Blooms March-October. Elevation 1 to 590 feet.	Low	Manmade or degraded habitat occurs within the 1-mile survey area

TABLE 5.2E-1 Regional Special-Status Plant Species

Scientific Name	Range/ Habitat requirements	1 mile potential	Rationale
Atriplex depressa	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland, Vernal pools/alkaline, clay. Blooms May-October.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Atriplex joaquiniana	Elevation 1 to 320 feet. Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland/alkaline. Blooms April-October. Elevation 1 to 835 feet.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Atriplex persistens	Vernal pools(alkaline). Blooms June-October. Elevation 10 to 115 feet.	Low	Suitable habitat may occur within private inaccessible areas within the 1-mile survey area.
Fabaceae Astragalus tener var. ferrisiae	Meadows and seeps(vernally mesic), Valley and foothill grassland(subalkaline flats). Blooms April-May. Elevation 5 to 75 feet.	Low	Manmade or degraded habitat occurs within the 1-mile survey area
Astragalus tener var. tener	Playas, Valley and foothill grassland(adobe clay), Vernal pools/alkaline. Blooms March-June. Elevation 1 to 60 feet.	Low	Suitable habitat occurs within the 1-mile survey area
Lathyrus jepsonii var. jepsonii	Marshes and swamps(freshwater and brackish). Blooms May- Jul(Sep). Elevation 0 to 4 feet.	None	No suitable habitat found within the 1-mile survey area.
Trifolium amoenum	Coastal buff scrub, Valley and foothill grassland(sometimes serpentinite). Blooms April-June. Elevation 5 to 415 feet.	None	This species was recorded from the Elmira area between 1892-1909 and has not been reported within the 1-mile survey area since then. Occurrence is presumed extipated by CNPS.
Trifolium depauperatum var. hydrophilum	Marshes and swamps, Valley and foothill grassland(mesic, alkaline), Vernal pools. Blooms April-June. Elevation 0 to 300 feet.	Low	Degraded or manmade habitat may occur within the 1-mile survey area
Geraniaceae Erodium macrophylla	Cismontane woodland, Valley and foothill grassland/clay. Blooms March-May. Elevation 15 to 1200 feet.	Low	Degraded or manmade habitat may occur within the 1-mile survey area
Grossulariaceae Ribes victoris	Broadleafed upland forest, Chaparral/mesic, shady. Blooms March- April. Elevation 100 to 750 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Iridaceae Iris longipetala	Coastal prairie, Lower montane coniferous forest, Meadows and seeps/mesic. Blooms March-May. Elevation 0 to 600 feet.	None	No suitable habitat occurs within 1 mile of the project site.
<b>Juglandaceae</b> Juglans hindsii	Riparian forest, Riparian woodland. Blooms April-May. Elevation 0 to 440 feet.	Moderate	Suitable riparian habitat occurs within the 1-mile survey area
<b>Lamiaceae</b> Monardella viridis ssp. viridis	Broadleafed upland forest, Chaparral, Cismontane woodland. Blooms June-September. Elevation 100 to 1010 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Liliaceae Calochortus pulchellus	Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland. Blooms April-June. Elevation 30 to 840 feet.	Low	Limited riparian habitat occurs within the 1-mile survey area
Fritillaria liliacea	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland/often serpentinite. Blooms February-April. Elevation 3 to 410 feet.	Low	Degraded grassland/pasture habitats occur within the 1-mile survey area.
Fritillaria pluriflora	Chaparral, Cismontane woodland, Valley and foothill grassland/often adobe. Blooms February-April. Elevation 60 to 705 feet.	Low	Degraded grassland/pasture habitats occur within the 1-mile survey area.
Triteleia lugens	Broadleafed upland forest, Chaparral, Coastal scrub, Lower montane coniferous forest. Blooms April-June. Elevation 100 to 1000 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Hesperolinon breweri	Chaparral, Cismontane woodland, Valley and foothill grassland/usually serpentinite. Blooms May-July. Elevation 30 to 900 feet.	None	No suitable habitat occurs within the 1-mile survey area
Malvaceae Hibiscus lasiocarpus	Marshes and swamps(freshwater). Blooms June-September. Elevation 0 to 120 feet.	Low	Manmade marsh habitat/water features unlikely to be potential habita within the 1-mile survey area.
Poaceae Tuctoria mucronata	Valley and foothill grassland(mesic), Vernal pools. Blooms April- August. Elevation 5 to 10 feet.	None	No suitable habitat within the 1-mile survey area.
Neostapfia colusana	Vernal pools(adobe, large). Blooms May-August. Elevation 5 to 200 feet.	None	No suitable habitat within the 1-mile survey area.
Orcuttia inaequalis	Vernal pools. Blooms April-September. Elevation 10 to 755 feet.	None	No suitable habitat within the 1-mile survey area.
Polemoniaceae Navarretia cotulifolia	Chaparral, Cismontane woodland, Valley and foothill grassland/adobe. Blooms May-June. Elevation 4 to 1830 feet.	Low	Degraded grassland/pasture habitat occurs within the 1-mile survey area
Navarretia leucocephala ssp. bakeri	grassland/adobe. Blooms May-June. Elevation 4 to 1830 feet. Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools/mesic. Blooms April-July. Elevation 5 to 1740 feet.	Low	area This species was reported in 1962 within the 1-mile survey area. Field surveys in 2008 failed to locate the population or appropriate habitat. Occurrence is presumed extant.
Polygonaceae Eriogonum truncatum	Chaparral, Coastal scrub, Valley and foothill grassland/sandy.	Moderate	Suitable habitat occurs within the 1-mile survey area
Polygonum marinense	Blooms April-Sep(November-Dec). Elevation 3 to 350 feet. Marshes and swamps(coastal salt or brackish). Blooms (Apr)May- Aug(Oct). Elevation 0 to 10 feet.	None	No suitable habitat occurs within 1 mile of the project site.
<b>Ranunculaceae</b> Delphinium recurvatum	Chenopod scrub, Cismontane woodland, Valley and foothill grassland/alkaline. Blooms March-June. Elevation 3 to 750 feet.	Low	Degraded grassland/pasture habitat occurs within the 1-mile survey area

#### TABLE 5.2E-1 Regional Special-Status Plant Species

	Range/	1 mile	
Scientific Name	Habitat requirements	potential	Rationale
Myosurus minimus ssp. apus	Valley and foothill grassland, Vernal pools(alkaline). Blooms March- June. Elevation 20 to 640 feet.	Low	Degraded or manmade seasonal wetlands habitat occurs within the 1 mile survey area
Ranunculus lobbii	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools/mesic. Blooms February-May. Elevation 15 to 470 feet.	Low	Degraded or manmade habitat occurs within the 1-mile survey area
Rhamnaceae			
Ceanothus purpureus	Chaparral, Cismontane woodland/volcanic, rocky. Blooms February- June. Elevation 120 to 640 feet.	None	No suitable habitat occurs within 1 mile of the project site.
Scrophulariaceae			
Cordylanthus mollis ssp. hispidus	Meadows and seeps, Playas, Valley and foothill grassland/alkaline. Blooms June-September. Elevation 1 to 155 feet.	None	No suitable habitat occurs within the 1-mile survey area
Cordylanthus mollis ssp. mollis	Marshes and swamps(coastal salt). Blooms July-November. Elevation 0 to 3 feet.	None	No suitable habitat occurs within the 1-mile survey area.
Gratiola heterosepala	Marshes and swamps(lake margins), Vernal pools/clay. Blooms April- August. Elevation 10 to 2375 feet.	Low	Suitable habitat unlikely to occur within private inaccessible areas within the 1-mile survey area.
Limosella subulata	Marshes and swamps. Blooms May-August. Elevation 0 to 3 feet.	None	No suitable habitat occurs within the 1-mile survey area.

Federal Status FE = federally listed as endangered FT = federally listed as threatened

State Status

SE = state listed as endangered

ST = state listed as threatened

California Native Plant Society (CNPS) Status

1A = plants presumed extinct in California

1B = plants rare, threatened, or endangered in California, but more common elsewhere 2 = plants rare, threatened, or endangered in California, but more common elsewhere

Solano Habitat Conservation Plan (SHCP)

Yes = covered species No = not a covered species

NE = narrow endemic species

#### TABLE 5.2E-2

Potential Special	Status Plant	Snecies in the	1-mile Survey	/ Area

Scientific Name	Range/ Habitat requirements	Site potential	Rationale
Plants			
Apiaceae			
Perideridia gairdneri ssp. gairdneri	Broadleafed upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools/vernally mesic. Blooms June-October. Elevation 0 to 365 feet.	None	No suitable habitat occurs within the VEC project site.
Asteraceae			
Blepharizonia plumosa	Valley and foothill grassland. Blooms July-October. Elevation 30 to 505 feet.	None	No suitable habitat occurs within the VEC project site.
Centromadia parryi ssp. congdonii	Valley and foothill grassland(alkaline). Blooms May-Oct(Nov). Elevation 1 to 230 feet.	None	No suitable habitat occurs within the VEC project site.
Centromadia parryi ssp. parryi	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps(coastal salt), Valley and foothill grassland(vernally mesic)/often alkaline. Blooms May-November. Elevation 2 to 420 feet.	None	No suitable habitat occurs within the VEC project site.
Centromadia parryi ssp. rudis	Valley and foothill grassland, Vernal pools/alkaline, vernally mesic, seeps, sometimes roadsides. Blooms May-October. Elevation 0 to 100 feet.	None	No suitable habitat occurs within the VEC project site.
Grindelia stricta Hesperevax caulescens	Too common for CNPS listing, considered but rejected Valley and foothill grassland(mesic, clay), Vernal pools(shallow). Blooms	None None	No suitable habitat occurs within the VEC project site. No suitable habitat occurs within the VEC project site.
lsocoma arguta	March-June. Elevation 0 to 505 feet. Valley and foothill grassland(alkaline). Blooms August-December.	None	No suitable habitat occurs within the VEC project site.
Lasthenia conjugens	Elevation 1 to 20 feet. Cismontane woodland, Playas(alkaline), Valley and foothill grassland, Vernal pools/mesic. Blooms March-June. Elevation 0 to 470 feet.	None	No suitable habitat occurs within the VEC project site.
Lasthenia ferrisiae	Vernal pools(alkaline, clay). Blooms February-May. Elevation 20 to 700	None	No suitable habitat occurs within the VEC project site.
Lessingia hololeuca	feet. Broadleafed upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland/clay, serpentinite. Blooms June-	None	No suitable habitat occurs within the VEC project site.
Micropus amphibolus	October. Elevation 15 to 305 feet. Broadleafed upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland/rocky. Blooms March-May. Elevation 45 to 825 feet.	None	No suitable habitat occurs within the VEC project site.
Microseris sylvatica	Chaparral, Cismontane woodland, Great Basin scrub, Pinyon and juniper woodland, Valley and foothill grassland(serpentinite). Blooms March-June. Elevation 45 to 1500 feet.	None	No suitable habitat occurs within the VEC project site.
Psilocarphus brevissimus var. multiflorus	Vernal pools. Blooms May-June. Elevation 10 to 500 feet.	None	No suitable habitat occurs within the VEC project site.
Boraginaceae			
epidium latipes var. heckardii	Valley and foothill grassland(alkaline flats). Blooms March-May. Elevation 10 to 200 feet.	None	No suitable habitat occurs within the VEC project site.
Plagiobothrys hystriculus	Valley and foothill grassland(mesic), Vernal poolsmargins/often vernal swales. Blooms April-May. Elevation 0 to 52 feet.	None	No suitable habitat occurs within the VEC project site.
Campanulaceae			
Downingia pusilla	Valley and foothill grassland(mesic), Vernal pools. Blooms March-May. Elevation 1 to 445 feet.	None	No suitable habitat occurs within the VEC project site.
<b>Chenopodiaceae</b> Atriplex cordulata	Chenopod scrub, Meadows and seeps, Valley and foothill grassland(sandy)/saline or alkaline. Blooms April-October. Elevation 1 to	None	No suitable habitat occurs within the VEC project site.
Atriplex coronata var. coronata	375 feet. Chenopod scrub, Valley and foothill grassland, Vernal pools/alkaline.	None	No suitable habitat occurs within the VEC project site.
Atriplex depressa	Blooms March-October. Elevation 1 to 590 feet. Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland, Vernal pools/alkaline, clay. Blooms May-October. Elevation 1 to	None	No suitable habitat occurs within the VEC project site.
Atriplex joaquiniana	320 feet. Chenopod scrub, Meadows and seeps, Playas, Valley and foothill	None	No suitable habitat occurs within the VEC project site.
Atriplex persistens	grassland/alkaline. Blooms April-October. Elevation 1 to 835 feet. Vernal pools(alkaline). Blooms June-October. Elevation 10 to 115 feet.	None	No suitable habitat occurs within the VEC project site.
Fabaceae			
Astragalus tener var. ferrisiae	Meadows and seeps(vernally mesic), Valley and foothill grassland(subalkaline flats). Blooms April-May. Elevation 5 to 75 feet.	None	No suitable habitat occurs within the VEC project site.
Astragalus tener var. tener	Playas, Valley and foothill grassland(adobe clay), Vernal pools/alkaline. Blooms March-June. Elevation 1 to 60 feet.	None	No suitable habitat occurs within the VEC project site.
Lathyrus jepsonii var. jepsonii	Marshes and swamps(freshwater and brackish). Blooms May-Jul(Sep). Elevation 0 to 4 feet.	None	No suitable habitat occurs within the VEC project site.
Trifolium amoenum	Coastal bluff scrub, Valley and foothill grassland(sometimes serpentinite). Blooms April-June. Elevation 5 to 415 feet.	None	No suitable habitat occurs within the VEC project site.
Trifolium depauperatum var. hydrophilum <b>Geraniaceae</b>	Marshes and swamps, Valley and foothill grassland(mesic, alkaline), Vernal pools. Blooms April-June. Elevation 0 to 300 feet.	None	No suitable habitat occurs within the VEC project site.
Erodium macrophylla	Cismontane woodland, Valley and foothill grassland/clay. Blooms March- May. Elevation 15 to 1200 feet.	None	No suitable habitat occurs within the VEC project site.

TABLE 5.2E-2 Potential Special Status Plant Species in the 1-mile Survey Area

Scientific Name	Range/ Habitat requirements	Site potential	Rationale
Juglandaceae			
Juglans hindsii	Riparian forest, Riparian woodland. Blooms April-May. Elevation 0 to 440 feet.	None	No suitable habitat occurs within the VEC project site.
Liliaceae			
Calochortus pulchellus	Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland. Blooms April-June. Elevation 30 to 840 feet.	None	No suitable habitat occurs within the VEC project site.
Fritillaria liliacea	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland/often serpentinite. Blooms February-April. Elevation 3 to 410 feet.	None	No suitable habitat occurs within the VEC project site.
Fritillaria pluriflora	Chaparral, Cismontane woodland, Valley and foothill grassland/often adobe. Blooms February-April. Elevation 60 to 705 feet.	None	No suitable habitat occurs within the VEC project site.
Hesperolinon breweri	Chaparral, Cismontane woodland, Valley and foothill grassland/usually serpentinite. Blooms May-July. Elevation 30 to 900 feet.	None	No suitable habitat occurs within the VEC project site.
Malvaceae			
Hibiscus lasiocarpus	Marshes and swamps(freshwater). Blooms June-September. Elevation 0 to 120 feet.	None	No suitable habitat occurs within the VEC project site.
Poaceae			
Tuctoria mucronata	Valley and foothill grassland(mesic), Vernal pools. Blooms April-August. Elevation 5 to 10 feet.	None	No suitable habitat occurs within the VEC project site.
Neostapfia colusana	Vernal pools(adobe, large). Blooms May-August. Elevation 5 to 200 feet.	None	No suitable habitat occurs within the VEC project site.
Orcuttia inaequalis	Vernal pools. Blooms April-September. Elevation 10 to 755 feet.	None	No suitable habitat occurs within the VEC project site.
Polemoniaceae			
Navarretia cotulifolia	Chaparral, Cismontane woodland, Valley and foothill grassland/adobe. Blooms May-June. Elevation 4 to 1830 feet.	None	No suitable habitat occurs within the VEC project site.
Navarretia leucocephala ssp. bakeri	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools/mesic. Blooms April- July. Elevation 5 to 1740 feet.	None	No suitable habitat occurs within the VEC project site.
Polygonaceae			
Eriogonum truncatum	Chaparral, Coastal scrub, Valley and foothill grassland/sandy. Blooms April-Sep(November-Dec). Elevation 3 to 350 feet.	None	No suitable habitat occurs within the VEC project site.
Ranunculaceae			
Delphinium recurvatum	Chenopod scrub, Cismontane woodland, Valley and foothill grassland/alkaline. Blooms March-June. Elevation 3 to 750 feet.	None	No suitable habitat occurs within the VEC project site.
Myosurus minimus ssp. apus	Valley and foothill grassland, Vernal pools(alkaline). Blooms March-June. Elevation 20 to 640 feet.	None	No suitable habitat occurs within the VEC project site.
Ranunculus lobbii	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools/mesic. Blooms February-May. Elevation 15 to 470 feet.	None	No suitable habitat occurs within the VEC project site.
Scrophulariaceae			
Cordylanthus mollis ssp. hispidus	Meadows and seeps, Playas, Valley and foothill grassland/alkaline. Blooms June-September. Elevation 1 to 155 feet.	None	No suitable habitat occurs within the VEC project site.
Cordylanthus mollis ssp. mollis	Marshes and swamps(coastal salt). Blooms July-November. Elevation 0 to 3 feet.	None	No suitable habitat occurs within the VEC project site.
Gratiola heterosepala	Marshes and swamps(lake margins), Vernal pools/clay. Blooms April- August. Elevation 10 to 2375 feet.	None	No suitable habitat occurs within the VEC project site.

Federal Status FE = federally listed as endangered FT = federally listed as threatened

State Status

SE = state listed as endangered

ST = state listed as threatened

California Native Plant Society (CNPS) Status

1A = plants presumed extinct in California

1B = plants rare, threatened, or endangered in California, but more common elsewhere

2 = plants rare, threatened, or endangered in California, but more common elsewhere

Solano Habitat Conservation Plan (SHCP)

Yes = covered species

No = not a covered species

NE = narrow endemic species

## Appendix E Wetland Determination Data Form

Map Unit Name (Series and Phase): Taxonomy (Subgroup):		SANDY LOAM	Field	いてし、のえみ、みそり nage Class: <u>MODERATELY</u> ひどし d Observations firm Mapped Type? Yes No	i crean
Profile Description: Depth inches) Horizon //	Matrix Color (Munsell Moist) 10 9 R 4/2	Mottle Colors (Munsell Moist) — (2005)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.	
	e Regime ditions ⊦Chroma Colors	Crganic S Listed on Listed on Other (Ex	anic Content in Surface La streaking in Sandy Soils Local Hydric Soils List National Hydric Soils List plain in Remarks)		
Remarks: 100	57800006	SLIFHTLY	MOIST BELL RELENT DIS	Sw 8". U. PER 4-1	, " <sup>1</sup>

## WETLAND DETERMINATION

	Vegetation Present? (Circle) drology Present? (Yes No Present? Yes No	(Circle) Is this Sampling Point Within a Wetland? Yes No
Remarks:		S ARE NOT PRESERVE BUT

.

Approved by HQUSACE 3/92

#### DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Uncaunce Ewenty</u> Applicant/Owner: <u>Investigator: Michael Cupty</u>		Date: _7/10/2008 County:AMO State:A_150KW1A
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No	Community ID: Transect ID: Plot ID:

#### VEGETATION

Dominant Plant Species	Stratum Indicator	Dominant Plant Species	Stratum Indicator
1. KANTHING STROMARING		9	
2. BRASSICA LAIBRA	H NL	10	
3		11	
4		12	
5		13	
6		14	
7		15	
8		10	
Percent of Dominant Species that are O (excluding FAC-).	BL, FACW or FAC 50 %	2	
		, Louse is 98%	JARE SROUND,
with 1% YANT	HIVM AND BODGS	ILA	

## HYDROLOGY

<ul> <li>✓ Recorded Data (Describe in Remarks):</li> <li> Stream, Lake, or Tide Gauge</li> <li> Aerial Photographs</li> <li> Other</li> <li> No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)
Field Observations:       سومیر         Depth of Surface Water:       ۲۰۰         Depth to Free Water in Pit:       (in.)         Depth to Saturated Soil:       (in.)	
Remarks: Imagory from 1998 does no current image and site observ OF KANNATER. Ups CREATED TREATED PLANT TO DAY	of indicate pondy i however sensors (BERMS) MORENTE CONTAINMENT BY EASTERLY WASTERIAT SLUDGE MATERIAL PRIOR TO

Appendix B Blank and Example Data Forms



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA 1516 NINTH STREET, SACRAMENTO, CA 95814 1-800-822-6228 – <u>WWW.ENERGY.CA.GOV</u>

APPLICATION FOR CERTIFICATION FOR THE CPV VACA STATION BY THE CPV VACAVILLE, L.L.C. Docket No. 08-AFC-11

PROOF OF SERVICE Revised (2/4/2010)

#### APPLICANT

Andrew Welch - Vice President Competitive Power Ventures, Inc. 8403 Colesville Road, Suite 915 Silver Spring, MD 20910 awelch@cpv.com

#### APPLICANT CONSULTANT

Douglas M. Davy - Program Manager CH2MHill 2485 Natomas Park Drive, Suite 600 Sacramento, CA 95833 <u>ddavy@ch2m.com</u>

#### COUNSEL FOR APPLICANT

Michael J. Carroll LATHAM & WATKINS LLP 650 Town Center Drive, 20th Floor Costa Mesa, CA 92626-1925 michael.carroll@lw.com

## INTERESTED AGENCIES

California ISO e-recipient@caiso.com

## **INTERVENORS**

J. Dennis McQuaid, Esq. Yolanda C. Manzone, Esq. Hanson Bridgett LLP 425 Market Street, 26<sup>th</sup> Floor San Francisco, CA 94105 <u>dmcquaid@hansonbridgett.com</u> <u>ymanzone@hansonbridgett.com</u>

## ENERGY COMMISSION

JEFFREY D. BYRON Commissioner and Presiding Member jbyron@energy.state.ca.us

\*ROBERT WEISENMILLER Commissioner and Associate Member rweisenm@energy.state.ca.us

Kourtney Vaccaro Hearing Officer KVaccaro@energy.state,ca.us

\*Kristy Chew Adviser to Commissioner Byron <u>kchew@energy.state.ca.us</u>

Rod Jones Project Manager rjones@energy.state.ca.us

Deborah Dyer Staff Counsel ddyer@energy.state.ca.us

Public Adviser publicadviser@energy.state.ca.us

## DECLARATION OF SERVICE

I, Mary Finn, declare that on Wednesday, February 10, 2010, I served and filed copies of the attached <u>Biological Assessment, Biological Assessment for Central Valley</u> <u>Steelhead, Preliminary Jurisdictional Waters Delineation Study, and 404 Permit</u> <u>Application</u>, dated February 10, 2010. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at:

[http://www.energy.ca.gov/sitingcases/vacastation/index.html]. The document has been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

## (Check all that Apply)

## For service to all other parties:

\_\_\_\_ sent electronically to all email addresses on the Proof of Service list;

\_x\_\_ by personal delivery or by depositing in the United States mail at Sacramento, California, with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses NOT marked "email preferred."

## AND

## For filing with the Energy Commission:

\_ sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (preferred method);

## OR

\_\_\_\_\_\_ depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION Attn: Docket No. 08-AFC-11 1516 Ninth Street, MS-4 Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.

Mary Finn