



**SYCAMORE** ENVIRONMENTAL  
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9 May 2005

Mr. Jim Willson P.E., LS  
Senior Project Land Surveyor  
Carlton Engineering, Inc.  
3883 Ponderosa Road  
Shingle Springs, CA 95682

***SUBJECT: Natural Resource Due Diligence Report for APN 068-03-44 on Old Placerville Rd,  
Rancho Cordova, CA.***

Dear Mr. Willson:

Sycamore Environmental Consultants, Inc. conducted a natural resource due diligence survey of APN 068-03-44 on Old Placerville Rd in the City of Rancho Cordova, CA. The survey was conducted to assist with completion of the Vegetation and Wildlife section of the City of Rancho Cordova's Environmental Impact Assessment Questionnaire. The ± 5.0 ac project study area (PSA) is located on the north side of Old Placerville Rd approximately 200 yards east of the intersection with Bradshaw Road. This letter report documents the results of the survey.

**METHODS:**

**Literature search:** Sycamore Environmental obtained an on-line letter from the U.S. Fish and Wildlife Service (USFWS), Sacramento Field Office, which lists federal special-status species that could potentially occur in, or near the PSA. The California Natural Diversity Database (CNDDB/ RareFind, 8 April 2005 version) was queried for the Carmichael quad. The USFWS letter and a summary of the CNDDB/ RareFind records for the Carmichael quad are in Attachment B.

Information on the biology, distribution, taxonomy, legal status, and other aspects of the special-status species was obtained from documents on file in the library of Sycamore Environmental. Standard references used for the biology and taxonomy of plants included Abrams (1923-1960); California Native Plant Society (2001); California Department of Fish and Game (2003, 2004b, 2005b); Hickman, ed. (1993); Mason (1957); Munz (1959); and Sawyer and Keeler-Wolf (1995). Standard references used for the biology and taxonomy of wildlife included Behler and King (1979); California Department of Fish and Game (2004a, 2005a), Ehrlich et al. (1988); Jameson and Peeters (1988); Jennings and Hayes (1994); Mayer and Laudenslayer, eds. (1988); McGinnis (1984); Peterson (1990); Sibley (2000); Stebbins (2003); Udvardy (1977); Verner and Boss (1980); Whitaker (1980); and Zeiner et al. (1988; 1990a, b). Attachment D is a list of literature cited.

**Survey Dates and Personnel:** Stephen Stringer, a biologist with Sycamore Environmental, conducted the field survey on 26 April 2005.

## RESULTS:

**Environmental Setting:** The PSA is located on the Carmichael USGS topographic quad. The PSA is an undeveloped parcel surrounded by urban development in the City of Rancho Cordova. Portions of the PSA have been disked for fire protection. Spoil piles were also observed. The PSA is bound on the north, east, and south sides by residential development and on the west side by industrial. The PSA is mostly flat. The elevation of the PSA is  $\pm 70$  ft above sea level. Attachment A is a 0.25 m per pixel aerial photograph downloaded from the TerraServer® USA website.

**Biological Conditions in the PSA:** The primary biological community in the PSA is nonnative annual grassland. The dominant plant species observed in the PSA include rigput grass, (*Bromus diandrus*), soft brome (*Bromus hordeaceus*), perennial ryegrass (*Lolium perenne*), wild barley (*Hordeum* sp.), wild oat (*Avena fatua*), filaree (*Erodium botrys*), vetch (*Vicia* sp.), and field bindweed (*Convolvulus arvensis*). Attachment C is a list of plant and wildlife species observed in the PSA. Other common plant and animal species are expected to occur in the PSA at different times of the day and during different seasons.

Native and horticultural trees occur along the fence line on the north and east PSA boundaries, and scattered throughout the nonnative annual grassland community. A large valley oak (*Quercus lobata*) with a diameter-at-breast-height (dbh) of 40+ inches is present in the southwest quadrant of the PSA. Two other large oaks (one Valley oak and one interior live oak *Quercus wislizenii* var. *wislizenii*) with a multi-stemmed dbh of 30+ inches are present near the northern PSA boundary. Tree species along the eastern and northern fence line include Valley oak, interior live oak, pear (*Pyrus* sp.), *Eucalyptus* sp., and almond (*Prunus dulcis*). The smaller trees visible on the aerial photo scattered through the interior of the PSA are mostly almond, interior live oak, and Valley oak. Approximately 24 native and nonnative trees with a dbh greater than 4 inches were observed. Attachment C is a list of plant and wildlife species observed in the PSA. Attachment C is a list of the dominant plant species that were identifiable on 26 April 2005. No elderberry (*Sambucus* spp.) shrubs were observed in the PSA.

There are no wetlands or waters of the U.S. potentially subject to jurisdiction under Section 404 or 401 of the Clean Water Act including seasonal wetlands, vernal pools, channels, or drainage ditches in the PSA. The aerial photo (Attachment A) shows a mosaic of dark and light patches in the PSA. The herbaceous ruderal species growing in the nonnative annual grassland community were between two and four feet in height in much of the PSA on 26 April 2005. The mosaic of dark and light patches reflects shifts in vegetation height and/ or species composition. The vegetation shifts are not indicative of wetland conditions but appear to be due to soil disturbance. The vegetation is lower growing and more sparse in areas where the soil has been disced and otherwise disturbed. It appears that areas where the soil has been disced support more nonnative grasses and non-disced or less disturbed areas were dominated by vetch (*Vicia* spp.)

**Special-status Species Evaluation:** CNDDDB/ RareFind records and USFWS file data were used to determine the special-status species that could potentially occur in the PSA. The site survey was conducted to determine if suitable habitat and/or individuals of these species were present.

There are no CNDDDB/ RareFind records for special-status plant or animal species or sensitive natural communities in the PSA. No special-status plant or wildlife species or their habitats were observed in the PSA during the survey. There is no suitable habitat in the PSA for any of the special-status plant or animal species that occur on the Carmichael quad. There is no seasonal wetland or vernal pool habitat. There is no habitat for seasonal wetland or vernal pool endemics.

There is no habitat for the following special-status wildlife species in the PSA:

- Swainson's hawk (*Buteo swainsoni*),
- White-tailed kite (*Elanus leucurus*),
- Burrowing owl (*Athene cunicularia*),
- Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*), or
- Listed vernal pool branchiopods (fairy shrimp) or plants.

No bird nests were observed in the PSA. Although several large trees occur in the PSA, the habitat suitability for nesting raptors is low. No rodents were observed in the PSA. The PSA provides poor foraging habitat for raptors because of its small size, high level of disturbance, lack of prey base, and urban location. It is unlikely that raptors or other migratory birds would nest in the PSA.

**SUMMARY:**

No special-status species were observed in the PSA. There are no sensitive natural communities or habitat for special-status plant or animal species in the PSA. There are no wetlands or waters of the U.S. potentially subject to jurisdiction under Section 404 or 401 of the Clean Water Act in the PSA. Approximately 24 native and nonnative trees with a dbh greater than 4 inches occur in the PSA.

Please call if you have any questions.

Yours truly,

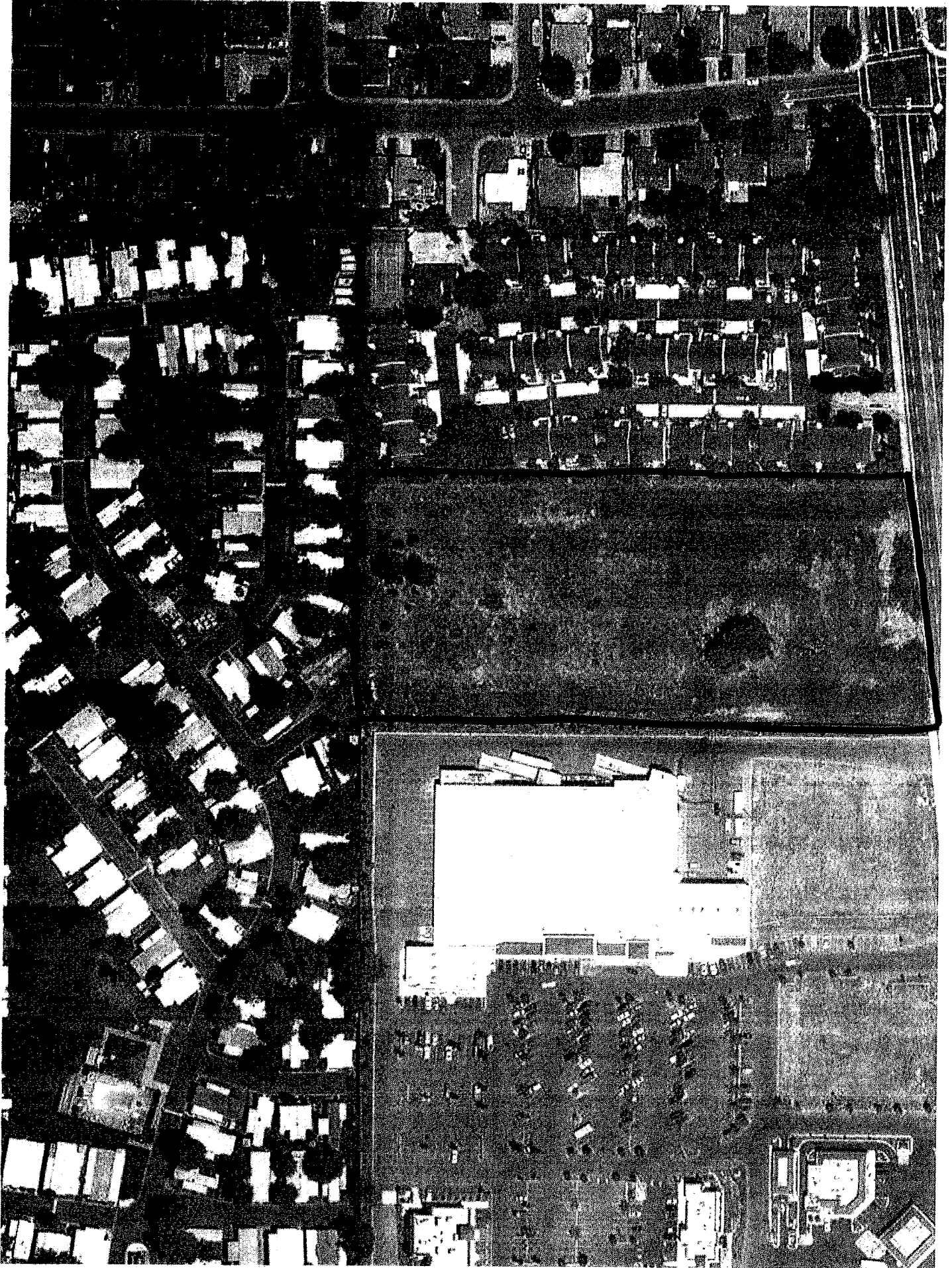


Jeffery Little  
Vice President

- Attachment A. Aerial Photograph
- Attachment B. USFWS letter; CNDDB/ RareFind summary
- Attachment C. Plant and Wildlife species observed in the PSA
- Attachment D. Literature Cited

**Attachment A**  
Aerial Photograph  
APN 068-03-44  
Rancho Cordova, CA

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PSA

# Attachment B

USFWS Letter

CNDDDB/ RareFind Summary

APN 068-03-44

Rancho Cordova, CA

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



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

May 9, 2005

Document Number: 050509031720

R. John Little, Ph.D.  
Sycamore Environmental Consultants, Inc.  
6355 Riverside Blvd., Suite C  
S, CA 95831

Subject: Species List for Old Placerville Rd

Dear: Dr. Little

We are sending this official species list in response to your May 9, 2005 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested. You have stated that this list is not for consultation with the Fish & Wildlife Service.

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, candidate and special concern 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 07, 2005.

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 [sacramento.fws.gov/es/branches.htm](http://sacramento.fws.gov/es/branches.htm).

Endangered Species Division

**TAKE PRIDE**  
**IN AMERICA** 

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: 050509031720

Database Last Updated: May 3, 2005

## Quad Lists

### CARMICHAEL (512D)

#### Listed Species

##### *Invertebrates*

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - Critical habitat, valley elderberry longhorn beetle (X)

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

*Lepidurus packardi* - vernal pool tadpole shrimp (E)

##### *Fish*

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T)

*Oncorhynchus tshawytscha* - winter-run chinook salmon, Sacramento River (E)

##### *Amphibians*

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

##### *Reptiles*

*Thamnophis gigas* - giant garter snake (T)

##### *Birds*

*Haliaeetus leucocephalus* - bald eagle (T)

#### Proposed Species

##### *Fish*

*Oncorhynchus tshawytscha* - Critical Habitat, Central Valley spring-run chinook (Proposed) (PX)

#### Candidate Species

##### *Fish*

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C)

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

#### Species of Concern

##### *Invertebrates*



*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

### **Fish**

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### **Amphibians**

*Spea hammondii* (was *Scaphiopus h.*) - western spadefoot toad (SC)

### **Reptiles**

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

### **Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Buteo Swainsoni* - Swainson's hawk (CA)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Charadrius montanus* - mountain plover (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

### **Mammals**

*Corynorhinus* (=Plecotus) *townsendii townsendii* - Pacific western big-eared bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

### **Plants**

*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)

*Juncus leiospermus* var. *ahartii* - Ahart's (dwarf) rush (SC)

*Sagittaria sanfordii* - valley sagittaria (=Sanford's arrowhead) (SC)

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## County Lists

### Sacramento County

#### Listed Species

##### **Invertebrates**

*Branchinecta conservatio* - Conservancy fairy shrimp (E)

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - Critical habitat, valley elderberry longhorn beetle (X)

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

*Elaphrus viridis* - delta green ground beetle (T)

*Lepidurus packardi* - vernal pool tadpole shrimp (E)

##### **Fish**

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

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T)

*Oncorhynchus tshawytscha* - Critical habitat, winter-run chinook salmon (X)

*Oncorhynchus tshawytscha* - winter-run chinook salmon, Sacramento River (E)

##### **Amphibians**

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

##### **Reptiles**

*Thamnophis gigas* - giant garter snake (T)

##### **Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

##### **Plants**

*Oenothera deltooides ssp. howellii* - Antioch Dunes evening-primrose (E)

*Orcuttia tenuis* - slender Orcutt grass (T)

*Orcuttia viscida* - Sacramento Orcutt grass (E)

## Proposed Species

### *Fish*

*Oncorhynchus mykiss* - Critical habitat, Central Valley steelhead (Proposed) (PX)

*Oncorhynchus tshawytscha* - Critical Habitat, Central Valley spring-run chinook (Proposed) (PX)

### *Amphibians*

*Ambystoma californiense* - Critical habitat, CA tiger salamander (Proposed) (PX)

## Candidate Species

### *Fish*

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C)

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

### *Birds*

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

## Species of Concern

### *Invertebrates*

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Coelus gracilis* - San Joaquin dune beetle (SC)

*Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)

*Lindneriella occidentalis* - California lindneriella fairy shrimp (SC)

### *Fish*

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### *Amphibians*

*Rana boylei* - foothill yellow-legged frog (SC)

*Spea hammondi* (was *Scaphiopus h.*) - western spadefoot toad (SC)

**Reptiles**

- Anniella pulchra pulchra* - silvery legless lizard (SC)  
*Clemmys marmorata marmorata* - northwestern pond turtle (SC)  
*Clemmys marmorata pallida* - southwestern pond turtle (SC)  
*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

- Agelaius tricolor* - tricolored blackbird (SC)  
*Athene cunicularia hypugaea* - western burrowing owl (SC)  
*Baeolophus inornatus* - oak titmouse (SLC)  
*Botaurus lentiginosus* - American bittern (SC)  
*Branta canadensis leucopareia* - Aleutian Canada goose (D)  
*Buteo regalis* - ferruginous hawk (SC)  
*Buteo Swainsoni* - Swainson's hawk (CA)  
*Carduelis lawrencei* - Lawrence's goldfinch (SC)  
*Charadrius montanus* - mountain plover (SC)  
*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Grus canadensis tabida* - greater sandhill crane (CA)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Laterallus jamaicensis coturniculus* - black rail (CA)  
*Limosa fedoa* - marbled godwit (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Plegadis chihi* - white-faced ibis (SC)  
*Riparia riparia* - bank swallow (CA)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Sphyrapicus ruber* - red-breasted sapsucker (SC)  
*Toxostoma redivivum* - California thrasher (SC)

**Mammals**

- Corynorhinus (=Plecotus) townsendii pallescens* - pale Townsend's big-eared bat (SC)  
*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

**Plants**

- Aster lentus* - Suisun Marsh aster (SC)  
*Atriplex joaquiniana* - San Joaquin spearscale (=saltbush) (SC)  
*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)  
*Fritillaria agrestis* - stinkbells (SLC)  
*Gratiola heterosepala* - Boggs Lake hedge-hyssop (CA)  
*Helianthemum suffrutescens* - Amador (Bisbee Peak) rush-rose (SLC)  
*Juncus leiospermus* var. *ahartii* - Ahart's (dwarf) rush (SC)  
*Juncus leiospermus* var. *leiospermus* - Red Bluff (dwarf) rush (SC)  
*Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)  
*Legenere limosa* - legenere (SC)  
*Lilaeopsis masonii* - Mason's lilaeopsis (SC)  
*Navarretia myersii* spp. *myersii* - pincushion navarretia (SC)  
*Sagittaria sanfordii* - valley sagittaria (=Sanford's arrowhead) (SC)

**Key:**

- (E) *Endangered* - Listed (in the Federal Register) as being in danger of extinction.  
(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.  
(P) *Proposed* - Officially proposed (in the Federal Register) for listing as endangered or threatened.  
(NMFS) Species under the Jurisdiction of the National Marine Fisheries Service. Consult with them directly about these species.  
*Critical Habitat* - Area essential to the conservation of a species.  
(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.  
(C) *Candidate* - Candidate to become a proposed species.  
(CA) Listed by the State of California but not by the Fish & Wildlife Service.  
(D) *Delisted* - Species will be monitored for 5 years.  
(SC) *Species of Concern*/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish & Wildlife Office.  
(V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.  
(X) *Critical Habitat* designated for this species

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## Important Information About Your Species List

**How We Make Species Lists**

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

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

list.

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

## Plants

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

## Surveying

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

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

## State-Listed Species

If a species has been listed as threatened or endangered by the State of California, but not by us nor by the National Marine Fisheries Service, it will appear on your list as a Species of Concern. However you should contact the California Department of Fish and Game [Wildlife and Habitat Data Analysis Branch](#) for official information about these species.

## Your Responsibilities Under the Endangered Species Act

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

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

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

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

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

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

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected

by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

### **Critical Habitat**

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

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

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

### **Candidate Species**

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

### **Species of Concern**

Your list may contain a section called Species of Concern. This is an informal term that refers to those species that the Sacramento Fish and Wildlife Office believes might be in need of concentrated conservation actions. Such conservation actions vary depending on the health of the populations and degree and types of threats. At one extreme, there may only need to be periodic monitoring of populations and threats to the species and its habitat. At the other extreme, a species may need to be listed as a Federal threatened or endangered species. Species of concern receive no legal protection and the use of the term does not necessarily mean that the species will eventually be proposed for listing as a threatened or endangered species.

### **Wetlands**

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

### **Updates**

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern 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 07, 2005.

*Summary of Rare/Find Occurrences By*

CARMICHAEL

No.	Scientific Name	Common Name	Total Unique Occurrences	Fed/State/CNPS
1 )	Spea (=Scaphiopus) hammondi	western spadefoot	1	--/SC/--
2 )	Ardea herodias	great blue heron	1	--/--
3 )	Ardea alba	great egret	1	--/--
4 )	Elianus leucurus	white-tailed kite	5	--/--
5 )	Accipiter cooperii	Cooper's hawk	1	--/SC/--
6 )	Athene cucularia	burrowing owl	6	--/SC/--
7 )	Riparia riparia	bank swallow	1	--/T/--
8 )	Agelaius tricolor	tricolored blackbird	11	--/SC/--
9 )	Taxidea taxus	American badger	1	--/SC/--
10 )	Emys (=Clemmys) marmorata marmorata	northwestern pond turtle	2	--/SC/--
11 )	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	7	--/--
12 )	Branchinecta lynchi	vernal pool fairy shrimp	11	T/--
13 )	Branchinecta mesovallensis	midvalley fairy shrimp	6	--/--
14 )	Linderiella occidentalis	California linderiella	19	--/--
15 )	Lepidurus packardii	vernal pool tadpole shrimp	17	E/--
16 )	Desmoceris californicus dimorphus	valley elderberry longhorn beetle	1	T/--
17 )	Hydrochara rickseckeri	Ricksecker's water scavenger beetle	1	--/--
18 )	Legenere limosa	legenere	4	--/--/1B
19 )	Gratiola heterosepala	Boggs Lake hedge-hyssop	1	--/E/1B
20 )	Sagittaria sanfordii	Sanford's arrowhead	5	--/--/1B
21 )	Juncus leiospermus var. ahartii	Ahart's dwarf rush	1	--/--/1B
			103	Occurrences for
			21	Unique Species/ Communities

\*Fed/State: E=Endangered, T=Threatened, P=Proposed, SC=Species of Concern, DE=Delisted, -- = None  
CNPS:1B=Plants rare, threatened, or endangered in California and elsewhere

CNPS:2=Plants rare, threatened, or endangered in California, but more common elsewhere



## Attachment C

### Plant and Wildlife Species Observed

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Plant Species Observed in the PSA.

FAMILY	SCIENTIFIC NAME	COMMON NAME	NI <sup>1</sup>
<b>DICOTS</b>			
<b>Asteraceae</b>	<i>Baccharis pilularis</i>	Coyote brush	N
	<i>Carduus pycnocephalus</i>	Italian thistle	I
	<i>Lactuca serriola</i>	Prickly lettuce	I
	<i>Senecio vulgaris</i>	Common groundsel	I
<b>Boraginaceae</b>	<i>Amsinckia menziesii</i> var. <i>intermedia</i>	Fiddleneck	N
<b>Brassicaceae</b>	<i>Brassica</i> sp.	Mustard	I
	<i>Raphanus</i> sp.	Radish	I
<b>Convolvulaceae</b>	<i>Convolvulus arvensis</i>	Field bindweed	I
<b>Fabaceae</b>	<i>Lupinus</i> sp.		--
	<i>Trifolium</i> sp.		--
	<i>Vicia sativa</i> ssp. <i>sativa</i>	Common vetch	I
	<i>Vicia villosa</i> ssp. <i>villosa</i>	Hairy vetch	I
<b>Fagaceae</b>	<i>Quercus douglasii</i>	Blue oak	N
	<i>Quercus lobata</i>	Valley oak	N
	<i>Quercus wislizenii</i> var. <i>wislizenii</i>	Interior live oak	N
<b>Geraniaceae</b>	<i>Erodium botrys</i>	Filaree	I
	<i>Geranium dissectum</i>	Cranesbill	I
<b>Myrtaceae</b>	<i>Eucalyptus</i> sp.		I
<b>Rosaceae</b>	<i>Prunus dulcis</i>	Almond	I
	<i>Pyrus</i> sp.	Ornamental pear	I
<b>Rubiaceae</b>	<i>Galium aparine</i>	Goose grass	N
<b>Plantaginaceae</b>	<i>Plantago lanceolata</i>	English plantain	I
<b>Polygonaceae</b>	<i>Rumex crispus</i>	Curly dock	I
<b>MONOCOTS</b>			
<b>Liliaceae</b>	<i>Dichelostemma</i> sp.		N
	<i>Triteleia hyacinthina</i>	White brodiaea	N
	<i>Triteleia laxa</i>	Ithuriel's spear	N
<b>Poaceae</b>	<i>Avena fatua</i>	Wild oat	I
	<i>Briza minor</i>	Quaking grass	I
	<i>Bromus diandrus</i>	Ripgut grass	I
	<i>Bromus hordeaceus</i>	Soft brome	I
	<i>Hordeum</i> sp.	Wild barley	--
	<i>Lolium perenne</i>	Perennial ryegrass	I

<sup>1</sup> N = Native to CA; I = Introduced; -- = Cannot be determined without keying to species

Wildlife Species Observed in the PSA.

COMMON NAME	SCIENTIFIC NAME
<b>BIRDS</b>	
American crow	<i>Corvus brachyrhynchos</i>
Mourning dove	<i>Zenaidura macroura</i>
Killdeer	<i>Charadrius vociferus</i>
<b>REPTILES</b>	
Western fence lizard	<i>Sceloporus occidentalis</i>

# Attachment D

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