

# ***APPENDIX H***

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*CNDDDB, CNPS, and FWS 9-quad query results*

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS/R-E-D
1 <i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040			G5	S3	SC
2 <i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020			G2G3	S2	SC
3 <i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened		G2G3	S2S3	SC
4 <i>Arctostaphylos pajaroensis</i> Pajaro manzanita	PDERI04100			G2	S2.1	1B/2-3-3
5 <i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	PDFAB0F8R1			G1T1	S1.1	1B/3-2-3
6 <i>Athene cunicularia</i> burrowing owl	ABNSB10010			G4	S2	SC
7 <i>Atriplex joaquiniana</i> San Joaquin spearscale	PDCHE041F3			G2	S2.1	1B/2-2-3
8 <i>Castilleja rubicundula</i> ssp. <i>rubicundula</i> pink creamsacs	PDSCR0D482			G5T2	S2.2	1B/2-2-3
9 <i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	PDAST4R0P1			G4T3	S3.2	1B/2-2-3
10 <i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Candidate	Endangered	G5T2Q	S1	
11 <i>Emys (=Clemmys) marmorata</i> western pond turtle	ARAAD02030			G3G4	S3	SC
12 <i>Emys (=Clemmys) marmorata marmorata</i> northwestern pond turtle	ARAAD02031			G3G4T3	S3	SC
13 <i>Emys (=Clemmys) marmorata pallida</i> southwestern pond turtle	ARAAD02032			G3G4T2T3 Q	S2	SC
14 <i>Eremophila alpestris actia</i> California horned lark	ABPAT02011			G5T3	S3	SC
15 <i>Eriogonum nortonii</i> Pinnacles buckwheat	PDPGN08470			G2	S2.3	1B/2-1-3
16 <i>Erodium macrophyllum</i> round-leaved filaree	PDGER01070			G4	S2.1	2/2-3-1
17 <i>Eryngium aristulatum</i> var. <i>hooveri</i> Hoover's button-celery	PDAPI0Z043			G5T2	S2.1	1B/3-3-3
18 <i>Falco mexicanus</i> prairie falcon	ABNKD06090			G5	S3	SC
19 <i>Helminthoglypta sequoicola consors</i> redwood shoulderband (snail)	IMGASC2421			G1G2T1	S1	
20 <i>Hoita strobilina</i> Loma Prieta hoita	PDFAB5Z030			G2	S2.1	1B/2-3-3
21 <i>Icteria virens</i> yellow-breasted chat	ABPBX24010			G5	S3	SC
22 <i>Linderiella occidentalis</i> California linderiella	ICBRA06010			G3	S2S3	
23 <i>Malacothamnus aboriginum</i> Indian Valley bush mallow	PDMAL0Q020			G3	S3.2	1B/2-2-3
24 <i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake	ARADB21021			G5T2T3	S2?	SC

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS/R-E-D
25 <i>North Central Coast Drainage Sacramento Sucker/Roach River</i>	CARA2623CA			G7	S7	
26 <i>Optioservus canus</i> Pinnacles optioservus riffle beetle	IICOL5E020			G1	S1	
27 <i>Plagiobothrys glaber</i> hairless popcom-flower	PDBOR0V080			GH	SH	1A/ *
28 <i>Rana aurora draytonii</i> California red-legged frog	AAABH01022	Threatened		G4T2T3	S2S3	SC
29 <i>Riparia riparia</i> bank swallow	ABPAU08010		Threatened	G5	S2S3	
30 <i>Spea (=Scaphiopus) hammondii</i> western spadefoot	AAABF01030			G3	S3	SC
31 <i>Streptanthus albidus ssp. peramoenus</i> most beautiful jewel-flower	PDBRA2G012			G2T2	S2.2	1B/2-2-3
32 <i>Sycamore Alluvial Woodland</i>	CTT62100CA			G1	S1.1	
33 <i>Taricha torosa torosa</i> Coast Range newt	AAAAF02032			G5T4	S4	SC
34 <i>Taxidea taxus</i> American badger	AMAJF04010			G5	S4	SC
35 <i>Trifolium amoenum</i> showy indian clover	PDFAB40040	Endangered		G1	S1.1	1B/3-3-3
36 <i>Trifolium depauperatum var. hydrophyllum</i> saline clover	PDFAB400R5			G5T2?	S2.2?	1B/3-2-3
37 <i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
38 <i>Vulpes macrotis mutica</i> San Joaquin kit fox	AMAJA03041	Endangered	Threatened	G4T2T3	S2S3	

## CNPS Inventory of Rare and Endangered Plants

Status: Plant Press Manager window with 15 items - Fri, Dec. 30, 2005 11:20 c

Standard List - with Plant Press controls

## ECOLOGICAL REPORT

scientific	family	life form	blooming	communities	elevation	CNPS
<u><i>Arctostaphylos gabilanensis</i></u>	Ericaceae	perennial evergreen shrub	Jan	•Chaparral (Chprl) •Cismontane woodland (CmWld) / granitic	300 - 700 meters	List 1B
<u><i>Arctostaphylos pajaroensis</i></u>	Ericaceae	perennial evergreen shrub	Dec-Mar	•Chaparral (Chprl) (sandy)	30 - 760 meters	List 1B
<u><i>Astragalus tener</i> var. <i>tener</i></u>	Fabaceae	annual herb	Mar-Jun	•Playas (Plyas) •Valley and foothill grassland (VFGrs) (adobe clay) •Vernal pools (VnPIs) / alkaline	1 - 60 meters	List 1B
<u><i>Atriplex joaquiniana</i></u>	Chenopodiaceae	annual herb	Apr-Oct	•Chenopod scrub (ChScr) •Meadows and seeps (Medws) •Playas (Plyas) •Valley and foothill grassland (VFGrs) / alkaline	1 - 835 meters	List 1B
<u><i>Centromadia parryi</i> ssp. <i>congdonii</i></u>	Asteraceae	annual herb	May-Nov	•Valley and foothill grassland (VFGrs) (alkaline)	1 - 230 meters	List 1B
<u><i>Chorizanthe biloba</i> var. <i>immemora</i></u>	Polygonaceae	annual herb	May-Sep	•Chaparral (Chprl) •Cismontane woodland (CmWld)	600 - 800 meters	List 1B
<u><i>Eriogonum nortonii</i></u>	Polygonaceae	annual herb	May-Aug	•Chaparral (Chprl) •Valley and foothill grassland (VFGrs) / sandy, often on recent burns	300 - 975 meters	List 1B
<u><i>Eryngium aristulatum</i> var. <i>hooveri</i></u>	Apiaceae	annual/perennial herb	Jul	•Vernal pools (VnPIs)	3 - 45 meters	List 1B
<u><i>Hordeum intercedens</i></u>	Poaceae	annual herb	Mar-Jun	•Coastal dunes (CoDns) •Coastal scrub (CoScr) •Valley and foothill grassland (VFGrs) (saline flats and depressions) •Vernal pools (VnPIs)	5 - 1000 meters	List 3
<u><i>Lessingia hololeuca</i></u>	Asteraceae	annual herb	Jun-Oct	•Broadleaved upland forest (BUFRs) •Coastal scrub (CoScr) •Lower montane coniferous forest (LCFRs) •Valley and foothill grassland (VFGrs) / clay, serpentinite	15 - 305 meters	List 3

<b><u>Malacothamnus aboriginum</u></b>	Malvaceae	perennial deciduous shrub	Apr-Oct	•Chaparral (Chprl) •Cismontane woodland (CmWld) / rocky, often in burned areas	150 - 1700 meters	List 1B
<b><u>Monardella antonina ssp. antonina</u></b>	Lamiaceae	perennial rhizomatous herb	Jun-Aug	•Chaparral (Chprl) •Cismontane woodland (CmWld)	500 - 1000 meters	List 3
<b><u>Plagiobothrys glaber</u></b>	Boraginaceae	annual herb	Mar-May	•Meadows and seeps (Medws) (alkaline) •Marshes and swamps (MshSw) (coastal salt)	15 - 180 meters	List 1A
<b><u>Streptanthus albidus ssp. peramoenus</u></b>	Brassicaceae	annual herb	Apr-Jun	•Chaparral (Chprl) •Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs) / serpentinite	110 - 1000 meters	List 1B
<b><u>Trifolium depauperatum</u> var. <u>hydrophilum</u></b>	Fabaceae	annual herb	Apr-Jun	•Marshes and swamps (MshSw) •Valley and foothill grassland (VFGrs) (mesic, alkaline) •Vernal pools (VnPIs)	0 - 300 meters	List 1B

**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: 051230124347  
Database Last Updated: December 23, 2005

**CRITICAL HABITAT:**

On August 11, 2005, the Service published a revised critical habitat designation for vernal pool species. It did not specify critical habitat locations on a species by species basis. If there are species on the list(s) below that were covered under the rule, they are shown because we believe that they are present in the area or may be affected by projects in the area, not because it has specifically been designated as critical habitat for them.

**Quad Lists**

**THREE SISTERS (385A)**

**Listed Species**

*Fish*

*Oncorhynchus mykiss* - South Central California steelhead (T)

*Amphibians*

*Ambystoma californiense* - California tiger salamander, central population (T)

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

*Birds*

*Haliaeetus leucocephalus* - bald eagle (T)

*Sterna antillarum* (=albifrons) *browni* - California least tern (E)

*Mammals*

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

**Species of Concern**

*Amphibians*

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

*Birds*

*Agelaius tricolor* - tricolored blackbird (SC)  
*Athene cunicularia hypugaea* - western burrowing owl (SC)  
*Calypte costae* - Costa's hummingbird (SC)  
*Carduelis lawrencei* - Lawrence's goldfinch (SC)  
*Chaetura vauxi* - Vaux's swift (SC)  
*Cypseloides niger* - black swift (SC)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

#### **Mammals**

*Ammospermophilus nelsoni* - San Joaquin (=Nelson's) antelope squirrel (CA)  
*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)

## **SAN FELIPE (385B)**

### **Listed Species**

#### **Invertebrates**

*Euphydryas editha bayensis* - bay checkerspot butterfly (T)

#### **Fish**

*Oncorhynchus mykiss* - South Central California steelhead (T)

#### **Amphibians**

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

**Birds**

- Haliaeetus leucocephalus* - bald eagle (T)
- Sterna antillarum* (=albifrons) browni - California least tern (E)
- Vireo bellii pusillus* - Least Bell's vireo (E)

**Mammals**

- Vulpes macrotis mutica* - San Joaquin kit fox (E)

**Species of Concern**

**Invertebrates**

- Speyeria adiastrae adiastrae* - unsilvered fritillary butterfly (SC)

**Amphibians**

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

**Birds**

- Agelaius tricolor* - tricolored blackbird (SC)
- Athene cunicularia hypugaea* - western burrowing owl (SC)
- Calypte costae* - Costa's hummingbird (SC)
- Carduelis lawrencei* - Lawrence's goldfinch (SC)
- Chaetura vauxi* - Vaux's swift (SC)
- Cypseloides niger* - black swift (SC)
- Elanus leucurus* - white-tailed (=black shouldered) kite (SC)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Lanius ludovicianus* - loggerhead shrike (SC)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Numenius americanus* - long-billed curlew (SC)
- Selasphorus rufus* - rufous hummingbird (SC)
- Toxostoma redivivum* - California thrasher (SC)

**Mammals**

- Ammospermophilus nelsoni* - San Joaquin (=Nelson's) antelope squirrel (CA)
- Corynorhinus* (=Plecotus) townsendii townsendii - Pacific western big-eared bat (SC)



*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

**Plants**

*Trifolium depauperatum* var. *hydrophilum* - water sack (=saline) clover (SC)

**CHITTENDEN (386A)**

**Listed Species**

**Invertebrates**

*Euphydryas editha bayensis* - bay checkerspot butterfly (T)

**Fish**

*Oncorhynchus mykiss* - South Central California steelhead (T)

**Amphibians**

*Ambystoma californiense* - California tiger salamander, central population (T)

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

**Birds**

*Brachyramphus marmoratus* - marbled murrelet (T)

*Haliaeetus leucocephalus* - bald eagle (T)

*Sterna antillarum* (=albifrons) *browni* - California least tern (E)

*Vireo bellii pusillus* - Least Bell's vireo (E)

**Mammals**

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

**Species of Concern**

**Invertebrates**

*Speyeria adiastrae adiastrae* - unsilvered fritillary butterfly (SC)

**Amphibians**

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

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

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

*Calypte costae* - Costa's hummingbird (SC)

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

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

*Cypseloides niger* - black swift (SC)

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

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

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

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

*Selasphorus rufus* - rufous hummingbird (SC)

**Mammals**

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

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)

**Plants**

*Streptanthus albidus ssp. peramoenus* - most beautiful (uncommon) jewelflower (SC)

*Trifolium depauperatum var. hydrophilum* - water sack (=saline) clover (SC)

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**County Lists**

**No county species lists requested.**

**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 regard-less 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 March 30, 2006.