

## Appendix F Special Status Species in Project Area

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A review of potential *special-status* species and habitats in, or nearby, the project area was conducted utilizing the California Natural Diversity Database (CNDDDB), the U.S. Fish and Wildlife Service Species List (included at the end of this appendix), the CNPS Inventory, the McArthur-Burney State Park resource inventory, and the Lassen National Forest sensitive species list. These source lists were evaluated and separated into three categories:

1. Species known in immediate project area.
2. Species known to be near the project area or species with potential habitat in the project impact area.
3. Species not known in or near the project area and with no habitat in the project area.

For the purposes of evaluating potential special-status species, the *project area* encompasses a 10-mile radius surrounding the project.

- *Special-status* species include the following:
- Those listed in the California Fish and Game Code as Rare, Threatened, or Endangered.
- Those listed as Threatened or Endangered (or proposed for listing) under the Federal Endangered Species Act.
- Candidates for state of federal listing.
- *Sensitive* species as listed by the Lassen National Forest.
- *Survey and Manage* species.

The table below shows those species in categories 1 and 2 relevant to the project area. Those species that exist in the project area and those with potential habitat in the project area are indicated. See the Natural Environment Study (2006) for details.

For Category 3 species, if the species is not known from the project area and there is no habitat for the species, it is not included in the table. For example, the Delta smelt is shown on the USFWS Species List. The nearest smelt and its habitat occur near the Sacramento delta. It therefore is not included for further discussion.

For Lassen National Forest *sensitive* species, only the animal species are included in the table below. See the Natural Environment Study (2006) for the LNF *sensitive* plant species (41 species) (Section 6.3), Survey and Manage species (Section 6.1.12),

and the complete CNDDDB and LNF lists, as well as the USFWS Species List that follows the table below.

**Special Status Species in Project Area**

Scientific Name	Common Name	Species in Project Area (Y/N/Potential)	Habitat in Project Area (Y/N/Potential)	Comments
<b>Animals</b>				
<i>Accipter gentilis</i>	Northern goshawk	Potential	Potential foraging	Presence of nesting osprey and open forest precludes nesting; negligible effects
<i>Anodonta californiensis</i>	California floater	Yes	Yes	Use of protective measures will avoid potential impacts.
	Bats	Potential	Potential	Use of protective measures will avoid potential impacts.
<i>Buteo swainsoni</i>	Swainson's hawk	N	N	—
<i>Clemmys marmorata marmorata</i>	Northwestern pond turtle	N	Potential	Lack of suitable habitat
<i>Cottus asperimus</i>	Rough sculpin	Potential	Y	Use of protective measures will avoid potential impacts.
<i>Empidonax trailii brewsteri</i>	Willow flycatcher	N	N	Absence of riparian vegetation precludes nesting; negligible effects.
<i>Grus Canadensis tabida</i>	Greater sandhill crane	N	N	—
<i>Gulo gulo luteus</i>	Wolverine	N	N	—
<i>Haliaeetus leucocephalus</i>	Bald eagle	Y	Y	Project may effect but not likely to adversely affect; USFWS concurrence (2005)
<i>Lavinia symmetricus mitrulus</i>	Pit roach	Potential	Potential	Unlikely in the project area; no collection or observation.
<i>Martes Americana</i>	Marten	N	N	—
<i>Martes pennanti</i>	Fisher	N	N	—
<i>Pacifastacus fortis</i>	Shasta crayfish	N	N	Not found during surveys
<i>Rana aurora draytonii</i>	California red-legged frog	N	N	Unsuitable habitat; extirpated; none found during surveys
<i>Rana boylei</i>	Foothill yellow-legged frog	Y	N	Not found in the project area; no

Appendix F Special Status Species in Project Area

Scientific Name	Common Name	Species in Project Area (Y/N/Potential)	Habitat in Project Area (Y/N/Potential)	Comments
				suitable habitat.
<i>Rana cascadae</i>	Cascades frog	N	N	None found during surveys
<i>Rana muscosa</i>	Mountain yellow-legged frog	N	N	None found during surveys
<i>Riparia riparia</i>	Bank swallow	N	Potential	No impacts
<i>Strix occidentalis caurina</i>	Northern spotted owl	Potential	Potential	Loss of about 14 acres of potential foraging habitat; improvement measures will be implemented; project <i>may effect</i> but <i>not likely to adversely affect</i> ; USFWS concurrence (2005).
<i>Strix occidentalis occidentalis</i>	California spotted owl	Potential	Potential	See discussion for N. spotted owl
<i>Strix nebulosa</i>	Great gray owl	N	N	—
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	N	Potential	No effects
<b>Plants</b>				
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	N	Potential	Not found; no record of detections
<i>Limnanthes floccosa bellingeriana</i>	Bellinger's meadowfoam	Y	Y	No impacts
<i>Orcuttia tenuis</i>	Slender Orcutt grass	N	N	—

Source: Natural Environment Study (March 2006).

**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: 060110093754  
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**

**BURNEY FALLS (679C)**

**Listed Species**

***Invertebrates***

*Branchinecta conservatio* - Conservancy fairy shrimp (E)

*Branchinecta conservatio* - Critical habitat, Conservancy fairy shrimp (X)

*Pacifastacus fortis* - Shasta crayfish (E)

***Fish***

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T)

***Amphibians***

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

***Birds***

*Haliaeetus leucocephalus* - bald eagle (T)

*Strix occidentalis caurina* - Critical habitat, northern spotted owl (X)

*Strix occidentalis caurina* - northern spotted owl (T)

**Candidate Species**

***Mammals***

*Martes pennanti* - fisher (C)

**Species of Concern**

***Invertebrates***

*Nebria gebleri siskiyouensis* - Siskiyou ground beetle (SC)

*Nebria sahlbergii triad* - Trinity Alps ground beetle (SC)

***Fish***

*Cottus asperrimus* - rough sculpin (CA)

*Lavinia symmetricus mitrulus* - Pit roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

***Amphibians***

*Rana cascadae* - Cascades frog (SC)

### Reptiles

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

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

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

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

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

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

*Melanerpes lewis* - Lewis' woodpecker (SC)

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

*Otus flammeolus* - flammulated owl (SC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

### Mammals

*Corynorhinus (=Plecotus) townsendii pallescens* - pale Townsend's big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Gulo gulo luteus* - California wolverine (CA)

*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)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Juncus leiospermus* var. *leiospermus* - Red Bluff (dwarf) rush (SC)

*Limnanthes floccosa* ssp. *bellingermana* - Bellinger's meadowfoam (SC)

*Mimulus pygmaeus* - Egg Lake monkeyflower (SLC)

## DANA (679D)

### Listed Species

#### Invertebrates

*Branchinecta conservatio* - Conservancy fairy shrimp (E)

*Branchinecta conservatio* - Critical habitat, Conservancy fairy shrimp (X)

*Pacifastacus fortis* - Shasta crayfish (E)

#### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T)

### **Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

*Strix occidentalis caurina* - northern spotted owl (T)

### **Plants**

*Orcuttia tenuis* - Critical habitat, slender Orcutt grass (X)

*Orcuttia tenuis* - slender Orcutt grass (T)

## **Candidate Species**

### **Mammals**

*Martes pennanti* - fisher (C)

## **Species of Concern**

### **Invertebrates**

*Nebria gebleri siskiyouensis* - Siskiyou ground beetle (SC)

*Nebria sahlbergii triad* - Trinity Alps ground beetle (SC)

### **Fish**

*Cottus asperimus* - rough sculpin (CA)

*Lavinia symmetricus mitrulus* - Pit roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### **Reptiles**

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

### **Birds**

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Buteo regalis* - ferruginous hawk (SC)

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

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

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

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

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

*Melanerpes lewis* - Lewis' woodpecker (SC)

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

*Otus flammeolus* - flammulated owl (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

**Mammals**

*Corynorhinus* (=Plecotus) *townsendii pallescens* - pale Townsend's big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Gulo gulo luteus* - California wolverine (CA)  
*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)  
*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

**Plants**

*Iliamna bakeri* - Baker's globe mallow (=Baker's wild hollyhock) (SLC)  
*Limnanthes floccosa ssp. bellingeriana* - Bellinger's meadowfoam (SC)  
*Pogogyne floribunda* - profuse-flowering (=Devil's Garden) pogogyne (SC)

**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

**Important Information About Your Species List**

**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: 060110093929  
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**

**CASSEL (662A)**

**Listed Species**

***Invertebrates***

*Pacifastacus fortis* - Shasta crayfish (E)

***Fish***

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T)

***Amphibians***

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

***Birds***

*Haliaeetus leucocephalus* - bald eagle (T)

*Strix occidentalis caurina* - northern spotted owl (T)

**Candidate Species**

***Mammals***

*Martes pennanti* - fisher (C)

**Species of Concern**

***Fish***

*Cottus asperimus* - rough sculpin (CA)

*Lavinia symmetricus mitrulus* - Pit roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

***Reptiles***

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

***Birds***

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

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

*Cinclus mexicanus* - American dipper (SLC)  
*Cypseloides niger* - black swift (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Otus flammeolus* - flammulated owl (SC)  
*Riparia riparia* - bank swallow (CA)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Strix occidentalis occidentalis* - California spotted owl (SC)

### **Mammals**

*Corynorhinus (=Plecotus) townsendii pallescens* - pale Townsend's big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Gulo gulo luteus* - California wolverine (CA)  
*Martes americana* - American (=pine) marten (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)  
*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

## **BURNEY (662B)**

### **Listed Species**

#### **Invertebrates**

*Branchinecta conservatio* - Conservancy fairy shrimp (E)  
*Branchinecta conservatio* - Critical habitat, Conservancy fairy shrimp (X)  
*Pacifastacus fortis* - Shasta crayfish (E)

#### **Fish**

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T)

#### **Amphibians**

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

#### **Birds**

*Haliaeetus leucocephalus* - bald eagle (T)  
*Strix occidentalis caurina* - Critical habitat, northern spotted owl (X)  
*Strix occidentalis caurina* - northern spotted owl (T)

#### **Plants**

*Orcuttia tenuis* - Critical habitat, slender Orcutt grass (X)  
*Orcuttia tenuis* - slender Orcutt grass (T)

## Candidate Species

### Mammals

*Martes pennanti* - fisher (C)

## Species of Concern

### Fish

*Cottus asperrimus* - rough sculpin (CA)

*Lavinia symmetricus mitrulus* - Pit roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Reptiles

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

### Birds

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

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

*Cinclus mexicanus* - American dipper (SLC)

*Cypseloides niger* - black swift (SC)

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

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

*Melanerpes lewis* - Lewis' woodpecker (SC)

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

*Otus flammeolus* - flammulated owl (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Strix occidentalis occidentalis* - California spotted owl (SC)

### Mammals

*Corynorhinus* (=Plecotus) *townsendii pallescens* - pale Townsend's big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Gulo gulo luteus* - California wolverine (CA)

*Martes americana* - American (=pine) marten (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)

*Vulpes vulpes necator* - Sierra Nevada red fox (CA)

### Plants

*Calochortus longebarbatus* var. *longebarbatus* - long-haired star-tulip (SC)

*Juncus leiospermus* var. *leiospermus* - Red Bluff (dwarf) rush (SC)

*Pogogyne floribunda* - profuse-flowering (=Devil's Garden) pogogyne (SC)

*Silene occidentalis ssp. longistipitata* - Butte County catchfly (=long-stiped campion) (SC)

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## County Lists

**No county species lists requested.**

### Key:

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(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