

Appendix C-4a

**California Natural Diversity Database
Plant Species List**

California Department of Fish and Game

Natural Diversity Database

Chalk Mtn., Hatchet Mtn. Pass, Burney Mtn. West, Burney, Roaring Creek, and Montgomery Creek quads

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 Botrychium virginianum rattlesnake fern	PPOPH010H0			G5	S1.2	2.2
2 Calochortus longebarbatus var. longebarbatus long-haired star-tulip	PMLIL0D0R1			G4T4	S3.2	1B.2
3 Calystegia atriplicifolia ssp. buttensis Butte County morning-glory	PDCON04012			G5T3	S3.2	1B.2
4 Carex lasiocarpa slender sedge	PMCYP03720			G5	S1.3?	2.3
5 Clarkia borealis ssp. borealis northern clarkia	PDONA05062			G3T2	S2.3	1B.3
6 Drosera anglica English sundew	PDDRO02010			G5	S2S3	2.3
7 Hulsea nana little hulsea	PDAST4Z060			G4	S2.3	2.3
8 Juncus leiospermus var. leiospermus Red Bluff dwarf rush	PMJUN011L2			G2T2	S2.2	1B.1
9 Neviusia cliftonii Shasta snow-wreath	PDROS14020			G2	S2.2	1B.2
10 Orcuttia tenuis slender orcutt grass	PMPOA4G050	Threatened	Endangered	G3	S3.1	1B.1
11 Pogogyne floribunda profuse-flowered pogogyne	PDLAM1K070			G3	S3.2	1B.2
12 Silene occidentalis ssp. longistipitata long-stiped campion	PDCAR0U161			G4T1	S1.2	1B.2
13 Smilax jamesii English Peak greenbriar	PMSMI010D0			G3	S3.2	1B.3
14 Stachys palustris ssp. pilosa marsh hedge nettle	PDLAM1X1A0			G5T5	S2.3	2.3
15 Stellaria longifolia long-leaved starwort	PDCAR0X0M0			G5	S1.2	2.2

Appendix C-4b

**California Natural Diversity Database
Wildlife Species List**

California Department of Fish and Game
Natural Diversity Database
Hatchet Ridge

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 Accipiter gentilis northern goshawk	ABNKC12060			G5	S3	SC
2 Actinemys marmorata marmorata northwestern pond turtle	ARAAD02031			G3G4T3	S3	SC
3 Ardea herodias great blue heron	ABNGA04010			G5	S4	
4 Ascaphus truei western tailed frog	AAABA01010			G4	S2S3	SC
5 Colligyrus convexus Canary Dusksnail	IMGASF8030			G1G2	S1S2	
6 Corynorhinus townsendii Townsend's big-eared bat	AMACC08010			G4T3T4	S2S3	SC
7 Cottus asperimus rough sculpin	AFC4E02030		Threatened	G2	S2	
8 Cottus klamathensis macrops bigeye marbled sculpin	AFC4E02151			G4T3	S3	SC
9 Cypseloides niger black swift	ABNUA01010			G4	S2	SC
10 Empidonax traillii willow flycatcher	ABPAE33040		Endangered	G5	S1S2	
11 Euderma maculatum spotted bat	AMACC07010			G4	S2S3	SC
12 Falco peregrinus anatum American peregrine falcon	ABNKD06071	Delisted	Endangered	G4T3	S2	
13 Fluminicola seminalis Nugget Pebblesnail	IMGASG3110			G2	S1S2	
14 Gonidea angulata Western Ridged Mussel	IMBIV19010			G3	S1S2	
15 Grus canadensis tabida greater sandhill crane	ABNMK01014		Threatened	G5T4	S2	
16 Gulo gulo California wolverine	AMAJF03010		Threatened	G4	S2	
17 Haliaeetus leucocephalus bald eagle	ABNKC10010	Delisted	Endangered	G5	S2	
18 Helisoma newberryi Great Basin rams-horn	IMGASM6020			G1Q	S1	
19 Helminthoglypta hertleini Oregon Shoulderband	IMGASC2280			G1	S1	
20 Hydromantes shastae Shasta salamander	AAAAD09030		Threatened	G1G2	S1S2	
21 Juga acutifilosa topaz juga	IMGASK4010			G2	S2	
22 Juga occata Scalloped juga	IMGASK4070			G1	S1	
23 Lanx patelloides Kneecap Lanx	IMGASL7030			G1	S1	

California Department of Fish and Game
 Natural Diversity Database
 Hatchet Ridge

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
24 Lasionycteris noctivagans silver-haired bat	AMACC02010			G5	S3S4	SC
25 Lavinia symmetricus mitrulus Pit roach	AFCJB19027			G5T3	S2	SC
26 Martes americana sierrae Sierra Marten	AMAJF01014			G5T3T4	S3S4	
27 Martes pennanti (pacific) DPS Pacific fisher	AMAJF01021	Candidate		G5	S2S3	SC
28 Monadenia troglodytes troglodytes Shasta sideband (snail)	IMGASC7091			G1G2	S1S2	
29 Mylopharodon conocephalus hardhead	AFCJB25010			G3	S3	SC
30 Oncorhynchus mykiss ssp. 2 McCloud River redband trout	AFCHA02097			G5T1T2Q	S1S2	SC
31 Pacifastacus fortis Shasta crayfish	ICMAL31010	Endangered	Endangered	G1	S1	
32 Pandion haliaetus osprey	ABNKC01010			G5	S3	SC
33 Pyrgulopsis archimedis Archimedes Pyrg	IMGASJ0010			G1	S1	
34 Pyrgulopsis rupinicola Sucker Springs Pyrg	IMGASJ0960			G1G2	S1	
35 Rana boylei foothill yellow-legged frog	AAABH01050			G3	S2S3	SC
36 Rana cascadae cascades frog	AAABH01060			G3G4	S3	SC
37 Riparia riparia bank swallow	ABPAU08010		Threatened	G5	S2S3	
38 Taxidea taxus American badger	AMAJF04010			G5	S4	SC
39 Vespericola shasta Shasta hesperian	IMGASA4070			G1	S1	

Appendix C-5

**U.S. Fish and Wildlife Service
Species Lists**

These buttons will not appear on your list.

<- Revise Selection

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Make Official Letter ->

**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: 070530050500

Database Last Updated: March 5, 2007

Quad Lists

Listed Species

Invertebrates

- Branchinecta conservatio
 - Conservancy fairy shrimp (E)
- Desmocerus californicus dimorphus
 - valley elderberry longhorn beetle (T)
- Pacifastacus fortis
 - Shasta crayfish (E)

Fish

- Hypomesus transpacificus
 - delta smelt (T)
- Oncorhynchus mykiss
 - Central Valley steelhead (T) (NMFS)
- Oncorhynchus tshawytscha
 - Central Valley spring-run chinook salmon (T) (NMFS)
 - winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

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

Birds

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

Plants

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

Candidate Species**Fish**

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

Mammals

- *Martes pennanti*
 - fisher (C)

Quads Containing Listed, Proposed or Candidate Species:

BURNEY (662B)

BURNEY MTN. WEST (662C)

CHALK MTN. (663A)

ROARING CREEK (663B)

MONTGOMERY CREEK (663C)

HATCHET MTN. PASS (663D)

BURNEY FALLS (679C)

BIG BEND (680C)

SKUNK RIDGE (680D)

County Lists

No county species lists requested.

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 [National Oceanic & Atmospheric Administration 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.
- (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 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 area covered by the 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 [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.

Your Responsibilities Under the Endangered Species Act

All 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

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. [More info](#)

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 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 28, 2007.

