APPENDIX B CNDDB AND USFWS SPECIES LISTS

M&T CHICO RANCH/LLANO SECO RANCHO CNDDB AND USFWS SPECIES LISTS

MAINTENANCE OF CHANNEL ALIGNMENT RIVER MILE 192.5

California Department of Fish and Game Natural Diversity Database Selected Elements by Scientific Name - Portrait "Glenn" and "Butte" Counties

	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	Agelaius tricolor tricolored blackbird	ABPBXB0020			G2G3	S2	SC
3	Ambystoma californiense California tiger salamander	AAAAA01180	Threatened		G2G3	S2S3	SC
4	Antrozous pallidus pallid bat	AMACC10010			G5	S3	SC
5	Athene cunicularia burrowing owl	ABNSB10010			G4	S2	SC
6	Circus cyaneus northern harrier	ABNKC11010			G5	S3	SC
7	Cypseloides niger black swift	ABNUA01010			G4	S2	SC
8	Emys (=Clemmys) marmorata marmorata northwestern pond turtle	ARAAD02031			G3G4T3	S3	SC
9	Eumops perotis californicus western mastiff bat	AMACD02011			G5T4	\$3?	SC
10	Lasionycteris noctivagans silver-haired bat	AMACC02010			G5	S3S4	SC
11	Martes americana humboldtensis Humboldt marten	AMAJF01012			G5T2T3	S2S3	SC
12	Martes pennanti (pacifica) DPS Pacific fisher	AMAJF01021	Candidate		G5	S2S3	SC
13	Pandion haliaetus osprey	ABNKC01010			G5	S3	SC
14	Phrynosoma coronatum (frontale population) Coast (California) horned lizard	ARACF12022			G4G5	S3S4	SC
15	Rana aurora draytonii California red-legged frog	AAABH01022	Threatened		G4T2T3	S2S3	SC
16	Rana boylii foothill yellow-legged frog	AAABH01050			G3	S2S3	SC
17	Rana cascadae cascades frog	AAABH01060			G3G4	S3	SC
18	Rana muscosa mountain yellow-legged frog	AAABH01140	Endangered		G2	S2	SC
19	Spea (=Scaphiopus) hammondii western spadefoot	AAABF01030			G3	S3	sc
20	Taxidea taxus American badger	AMAJF04010			G5	S4	SC

California Department of Fish and Game Natural Diversity Database Selected Elements by Scientific Name - Portrait "Ord Ferry 7.5 minute Quad"

-	Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1	Anthicus antiochensis Antioch Dunes anthicid beetle	IICOL49020			G1	S1	
2	Anthicus sacramento Sacramento anthicid beetle	IICOL49010			G1	S1	
3	Ardea alba great egret	ABNGA05010			G5	S4	
4	Ardea herodias great blue heron	ABNGA04010			G5	S4	
5	Buteo swainsoni Swainson's hawk	ABNKC19070		Threatened	G5	S2	
6	Carex vulpinoidea fox sedge	PMCYP03EN0			G5	S2.2	2.2
7	Coastal and Valley Freshwater Marsh	CTT52410CA			G3	S2.1	
8	Coccyzus americanus occidentalis western yellow-billed cuckoo	ABNRB02022	Candidate	Endangered	G5T2	S1	
9	Desmocerus californicus dimorphus valley elderberry longhorn beetle	IICOL48011	Threatened		G3T2	S2	
10	Great Valley Cottonwood Riparian Forest	CTT61410CA			G2	S2.1	
11	Great Valley Mixed Riparian Forest	CTT61420CA			G2	S2.2	
12	Great Valley Valley Oak Riparian Forest	CTT61430CA			G1	S1.1	
13	Great Valley Willow Scrub	CTT63410CA			G3	S3.2	
14	Hibiscus lasiocarpus rose-mallow	PDMAL0H0Q0			G4	S2.2	2.2
15	Pandion haliaetus osprey	ABNKC01010			G5	S3	SC
16	Riparia riparia bank swallow	ABPAU08010		Threatened	G5	S2S3	
17	Thamnophis gigas giant garter snake	ARADB36150	Threatened	Threatened	G2G3	S2S3	
18	Wolffia brasiliensis Columbian watermeal	PMLEM03020			G5	S1.3	2.3

California Department of Fish and Game Natural Diversity Database Selected Elements by Scientific Name - Portrait

"Chico", "Foster-Island", "Glenn", "Hamilton City", "Liano Seco", "Nelson", "Nord", "Richardson Springs" 7.5 Minute USGS quads

	Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1	Agelaius tricolor tricolored blackbird	ABPBXB0020			G2G3	S2	SC
2	Antrozous pallidus pallid bat	AMACC10010			G5	S3	sc
3	Ardea alba great egret	ABNGA05010			G5	S4	
4	Ardea herodias great blue heron	ABNGA04010			G5	S4	
5	Astragalus tener var. ferrisiae Ferris' milk-vetch	PDFAB0F8R3			G1T1	S1.1	1B.1
6	Athene cunicularia burrowing owl	ABNSB10010			G4	S2	SC
7	Branchinecta conservatio Conservancy fairy shrimp	ICBRA03010	Endangered		G1	S1	
8	Branchinecta lynchi vernal pool fairy shrimp	ICBRA03030	Threatened		G3	S2S3	
9	Buteo swainsoni Swainson's hawk	ABNKC19070		Threatened	G5	S2	
10	California macrophyllum round-leaved filaree	PDGER01070			G3	S3.1	1B.1
11	Carex vulpinoidea fox sedge	PMCYP03EN0			G5	S2.2	2.2
12	Castilleja rubicundula ssp. rubicundula pink creamsacs	PDSCR0D482			G5T2	S2.2	1B.2
13	Chamaesyce hooveri Hoover's spurge	PDEUP0D150	Threatened		G2	S2.1	1B.2
14	Clarkia gracilis ssp. albicaulis white-stemmed clarkia	PDONA050J1			G5T2	\$2.2?	1B.2
15	Coastal and Valley Freshwater Marsh	CTT52410CA			G3	S2.1	
16	Coccyzus americanus occidentalis western yellow-billed cuckoo	ABNRB02022	Candidate	Endangered	G5T2	S1	
17	Delphinium recurvatum recurved larkspur	PDRAN0B1J0			G2	S2.2	1B.2
18	Desmocerus californicus dimorphus valley elderberry longhorn beetle	IICOL48011	Threatened		G3T2	S2	
19	Eumops perotis californicus western mastiff bat	AMACD02011			G5T4	S3?	SC
20	Fritillaria eastwoodiae Butte County fritillary	PMLIL0V060			G3Q	S3.2	3.2
21	Fritillaria pluriflora adobe-lily	PMLIL0V0F0			G2	S2.2	1B.2
22	Great Valley Cottonwood Riparian Forest	CTT61410CA			G2	S2.1	
23	Great Valley Mixed Riparian Forest	CTT61420CA			G2	S2.2	
24	Great Valley Valley Oak Riparian Forest	CTT61430CA			G1	S1.1	

California Department of Fish and Game Natural Diversity Database Selected Elements by Scientific Name - Portrait

"Chico", "Foster-Island", "Glenn", "Hamilton City", "Liano Seco", "Nelson", "Nord", "Richardson Springs" 7.5 Minute USGS quads

	Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
25	Great Valley Willow Scrub	CTT63410CA			G3	S3.2	
26	Haliaeetus leucocephalus bald eagle	ABNKC10010	Threatened	Endangered	G5	S2	
27	Hibiscus lasiocarpus rose-mallow	PDMAL0H0Q0			G4	S2.2	2.2
28	Imperata brevifolia California satintail	PMPOA3D020			G2	S2.1	2.1
29	Juncus leiospermus var. leiospermus Red Bluff dwarf rush	PMJUN011L2			G2T2	S2.2	1B.1
30	Lasionycteris noctivagans silver-haired bat	AMACC02010			G5	S3S4	SC
31	Lepidurus packardi vernal pool tadpole shrimp	ICBRA10010	Endangered		G3	S2S3	
32	Limnanthes floccosa ssp. californica Butte County meadowfoam	PDLIM02042	Endangered	Endangered	G4T1	S1.1	1B.1
33	Linderiella occidentalis California linderiella	ICBRA06010			G3	S2S3	
34	Northern Hardpan Vernal Pool	CTT44110CA			G3	S3.1	
35	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA			G1	S1.1	
36	Oncorhynchus tshawytscha spring-run spring-run chinook salmon	AFCHA0205A	Threatened	Threatened	G5T1Q	S1	
37	Paronychia ahartii Ahart's paronychia	PDCAR0L0V0			G2	S2.1	1B.1
38	Rhynchospora californica California beaked-rush	PMCYP0N060			G1	S1.1	1B.1
39	Riparia riparia bank swallow	ABPAU08010		Threatened	G5	S2S3	
40	Sidalcea robusta Butte County checkerbloom	PDMAL110P0			G2	S2.2	1B.2
41	Spea (=Scaphiopus) hammondii western spadefoot	AAABF01030			G3	S3	SC
42	Taxidea taxus American badger	AMAJF04010			G5	S4	SC
43	Thamnophis gigas giant garter snake	ARADB36150	Threatened	Threatened	G2G3	S2S3	
44	Wolffia brasiliensis Columbian watermeal	PMLEM03020			G5	S1.3	2.3

These buttons will not appear on your list.

<- Revise Selection

Print this page

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: 070504063436 Database Last Updated: March 5, 2007

Quad Lists

ORD FERRY (577B)

Listed Species

Invertebrates

- · Branchinecta conservatio
 - Conservancy fairy shrimp (E)
- · Branchinecta lynchi
 - o vernal pool fairy shrimp (T)
- Desmocerus californicus dimorphus
 - o valley elderberry longhorn beetle (T)
- Lepidurus packardi
 - vernal pool tadpole shrimp (E)

Fish

- · Acipenser medirostris
 - o green sturgeon (T) (NMFS)
- Hypomesus transpacificus
 - delta smelt (T)
- Oncorhynchus mykiss
 - Central Valley steelhead (T) (NMFS)
 - o Critical habitat, Central Valley steelhead (X) (NMFS)
- · Oncorhynchus tshawytscha
 - o Central Valley spring-run chinook salmon (T) (NMFS)
 - o Critical Habitat, Central Valley spring-run chinook (X) (NMFS)
 - o Critical habitat, winter-run chinook salmon (X) (NMFS)
 - o winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

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

Reptiles

- Thamnophis gigas
 - o giant garter snake (T)

Dirdo

- · Haliaeetus leucocephalus
 - bald eagle (T)

Candidate Species

 $http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm\ (1\ of\ 7)5/4/2007\ 5:36:31\ PM$

Fish

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

Birds

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

County Lists

Butte 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)
 - o vernal pool fairy shrimp (T)
- · Desmocerus californicus dimorphus
 - o valley elderberry longhorn beetle (T)
- Lepidurus packardi
 - Critical habitat, vernal pool tadpole shrimp (X)
 - vernal pool tadpole shrimp (E)

Fish

- · Acipenser medirostris
 - o green sturgeon (T) (NMFS)
- Oncorhynchus mykiss
 - Central Valley steelhead (T) (NMFS)
 - o Critical habitat, Central Valley steelhead (X) (NMFS)
- · Oncorhynchus tshawytscha
 - Central Valley spring-run chinook salmon (T) (NMFS)
 - o Critical Habitat, Central Valley spring-run chinook (X) (NMFS)
 - Critical habitat, winter-run chinook salmon (X) (NMFS)
 - o winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

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

Reptiles

- Thamnophis gigas
 - giant garter snake (T)

 $http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm\ (2\ of\ 7)5/4/2007\ 5:36:31\ PM$

Birds

- · Haliaeetus leucocephalus
 - bald eagle (T)

Plants

- · Chamaesyce hooveri
 - Critical habitat, Hoover's spurge (X)
 - Hoover's spurge (T)
- · Limnanthes floccosa ssp. californica
 - o Butte County (Shippee) meadowfoam (E)
 - o Critical habitat, Butte County (Shippee) meadowfoam (X)
- · Orcuttia pilosa
 - o Critical habitat, hairy Orcutt grass (X)
 - hairy Orcutt grass (E)
- · Orcuttia tenuis
 - o slender Orcutt grass (T)
- Tuctoria greenei
 - Critical habitat, Greene's tuctoria (=Orcutt grass) (X)
 - o Greene's tuctoria (=Orcutt grass) (E)

Candidate Species

Fish

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

Amphibians

- Rana muscosa
 - o mountain yellow-legged frog (C)

Birds

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

Mammals

- Martes pennanti
 - o fisher (C)

Glenn County

Listed Species

Invertebrates

- Branchinecta conservatio
 - o Conservancy fairy shrimp (E)
- Branchinecta lynchi
 - Critical habitat, vernal pool fairy shrimp (X)
 - vernal pool fairy shrimp (T)

 $http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm\ (3\ of\ 7)5/4/2007\ 5:36:31\ PM$

- · Desmocerus californicus dimorphus
 - valley elderberry longhorn beetle (T)
- Lepidurus packardi
 - o vernal pool tadpole shrimp (E)

Fish

- Acipenser medirostris
 - o green sturgeon (T) (NMFS)
- · Oncorhynchus kisutch
 - o coho salmon, So OR/No CA (T) (NMFS)
 - o Critical habitat, coho salmon, So OR/No CA (X) (NMFS)
- Oncorhynchus mykiss
 - Central Valley steelhead (T) (NMFS)
 - Critical habitat, Central Valley steelhead (X) (NMFS)
 - o Critical habitat, Northern California steelhead (X) (NMFS)
 - o Northern California steelhead (T) (NMFS)
- · Oncorhynchus tshawytscha
 - o Central Valley spring-run chinook salmon (T) (NMFS)
 - o Critical Habitat, Central Valley spring-run chinook (X) (NMFS)
 - o Critical habitat, winter-run chinook salmon (X) (NMFS)
 - o winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

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

Reptiles

- · Thamnophis gigas
 - giant garter snake (T)

Birds

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

Plants

- · Chamaesyce hooveri
 - o Hoover's spurge (T)
- Orcuttia pilosa
 - o hairy Orcutt grass (E)
- · Tuctoria greenei
 - o Greene's tuctoria (=Orcutt grass) (E)

Candidate Species

http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm (4 of 7)5/4/2007 5:36:31 PM

Fish

- · Oncorhynchus tshawytscha
 - o Central Valley fall/late fall-run chinook salmon (C) (NMFS)
 - o Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)

Birds

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

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 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 <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 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 <u>Guidelines for Conducting and Reporting Botanical Inventories</u>. The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

 $http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm\ (5\ of\ 7)5/4/2007\ 5:36:31\ PM$

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 <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 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 <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 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 <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 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.

http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm (6 of 7)5/4/2007 5:36:31 PM

	T' 1		***** 11.0	000		
Sacramento	Fish	œ	Wildlife	Office,	Species	List

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 02, 2007.

http://www.fws.gov/sacramento/es/spp_lists/auto_list.cfm (7 of 7)5/4/2007 5:36:31 PM