APPENDIX D

California Natural Diversity Data Base, U.S. Fish & Wildlife Service, and California Native Plant Society Lists: Madera Site

California Department of Fish and Game
Natural Diversity Database
Selected Elements by Scientific Name
Special-status species within the "Kismet, CA" 7.5' USGS quadrangle and the eight surrounding quads: Le Grand, Raynor Creek, Raymond, Berenda, Bonita Ranch, Madera, Daulton, and Gregg

	Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1	Actinemys marmorata western pond turtle	ARAAD02030			G3G4	S3	SC
2	Ambystoma californiense California tiger salamander	AAAAA01180	Threatened		G2G3	S2S3	SC
3	Antrozous pallidus pallid bat	AMACC10010			G5	S3	SC
4	Aquila chrysaetos golden eagle	ABNKC22010			G5	S3	SC
5	Athene cunicularia burrowing owl	ABNSB10010			G4	S2	SC
6	Atriplex cordulata heartscale	PDCHE040B0			G2?	S2.2?	1B.2
7	Atriplex minuscula lesser saltscale	PDCHE042M0			G1	S1.1	1B.1
8	Atriplex persistens vernal pool smallscale	PDCHE042P0			G2	S2.2	1B.2
9	Atriplex subtilis subtle orache	PDCHE042T0			G2	S2.2	1B.2
10	Branchinecta lynchi vernal pool fairy shrimp	ICBRA03030	Threatened		G3	S2S3	
11	Branchinecta mesovallensis midvalley fairy shrimp	ICBRA03150			G2	S2	
12	Buteo swainsoni Swainson's hawk	ABNKC19070		Threatened	G5	S2	
13	Calycadenia hooveri Hoover's calycadenia	PDAST1P040			G2	S2.2	1B.3
14	Castilleja campestris ssp. succulenta succulent owl's-clover	PDSCR0D3Z1	Threatened	Endangered	G4?T2	S2.2	1B.2
15	Clarkia rostrata beaked clarkia	PDONA050Y0			G2	S2.1	1B.3
16	Delphinium recurvatum recurved larkspur	PDRAN0B1J0			G2	S2.2	1B.2
17	Desmocerus californicus dimorphus valley elderberry longhorn beetle	IICOL48011	Threatened		G3T2	S2	
18	Dipodomys heermanni dixoni Merced kangaroo rat	AMAFD03062			G3G4T12T	S2S3	
19	Dipodomys nitratoides exilis Fresno kangaroo rat	AMAFD03151	Endangered	Endangered	G3T1	S1	
20	Eryngium spinosepalum spiny-sepaled button-celery	PDAPI0Z0Y0			G2	S2.2	1B.2
21	Gambelia sila blunt-nosed leopard lizard	ARACF07010	Endangered	Endangered	G1	S1	
22	Haliaeetus leucocephalus bald eagle	ABNKC10010	Delisted	Endangered	G5	S2	
23	Lasiurus cinereus hoary bat	AMACC05030			G5	S4?	SC

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
24 Lepidurus packardi vernal pool tadpole shrimp	ICBRA10010	Endangered		G3	S2S3	
25 Leptosiphon serrulatus Madera leptosiphon	PDPLM09130			G1?	S1?	1B.2
26 Linderiella occidentalis California linderiella	ICBRA06010			G3	S2S3	
27 Lytta moesta moestan blister beetle	IICOL4C020			G2	S2	
28 Lytta molesta molestan blister beetle	IICOL4C030			G2	S2	
29 Navarretia nigelliformis ssp. radians shining navarretia	PDPLM0C0J2			G4T2T3	S2S3.2	1B.2
30 Northern Hardpan Vernal Pool	CTT44110CA			G3	S3.1	
31 Orcuttia inaequalis San Joaquin Valley orcutt grass	PMPOA4G060	Threatened	Endangered	G2	S2.1	1B.1
32 Orcuttia pilosa hairy orcutt grass	PMPOA4G040	Endangered	Endangered	G2	S2.1	1B.1
33 Phacelia ciliata var. opaca Merced phacelia	PDHYD0C0S2			G5T1	S1.2	1B.3
34 Phalacrocorax auritus double-crested cormorant	ABNFD01020			G5	S3	SC
35 Spea hammondii western spadefoot	AAABF02020			G3	S3	SC
36 Taxidea taxus American badger	AMAJF04010			G5	S4	SC
37 Tuctoria greenei Greene's tuctoria	PMPOA6N010	Endangered	Rare	G2	S2.2	1B.1
38 Valley Sacaton Grassland	CTT42120CA			G1	S1.1	
39 Vulpes macrotis mutica San Joaquin kit fox	AMAJA03041	Endangered	Threatened	G4T2T3	S2S3	

United States Department of the Interior

FISH AND WILDLIFE SERVICE

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

January 16, 2008

Document Number: 080116034315

Sean Marquis
Analytical Environmental Services
1801 7th Street, Suite 100
Sacramento, CA 95811

Subject: Not specified

Dear: Mr. Marquis

We are sending this official species list in response to your January 16, 2008 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.

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 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 April 15, 2008.

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 www.fws.gov/sacramento/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: 080116034315

Database Last Updated: December 12, 2007

Quad Lists

Listed Species

Invertebrates

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

Branchinecta lynchi
- Critical habitat, vernal pool fairy shrimp (X)
- vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus
- valley elderberry longhorn beetle (T)

Lepidurus packardi
- Critical habitat, vernal pool tadpole shrimp (X)
- vernal pool tadpole shrimp (E)

Fish

Hypomesus transpacificus
- delta smelt (T)

Oncorhynchus mykiss
- Central Valley steelhead (T) (NMFS)

Amphibians

Ambystoma californiense
- California tiger salamander, central population (T)
- Critical habitat, CA tiger salamander, central population (X)

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

Reptiles

Gambelia (=Crotaphytus) sila
- blunt-nosed leopard lizard (E)

Thamnophis gigas
- giant garter snake (T)

Mammals

Dipodomys nitratoides exilis
- Fresno kangaroo rat (E)

Vulpes macrotis mutica
- San Joaquin kit fox (E)

Plants

Castilleja campestris ssp. succulenta
- Critical habitat, succulent (=fleshy) owl's-clover (X)
- succulent (=fleshy) owl's-clover (T)

Orcuttia inaequalis
- Critical habitat, San Joaquin Valley Orcutt grass (X)
- San Joaquin Valley Orcutt grass (T)

Orcuttia pilosa
- Critical habitat, hairy Orcutt grass (X)

hairy Orcutt grass (E)

Tuctoria greenei

Critical habitat, Greene's tuctoria (=Orcutt grass) (X)

Greene's tuctoria (=Orcutt grass) (E)

Quads Containing Listed, Proposed or Candidate Species:

GREGG (379B)

MADERA (380A)

BONITA RANCH (380B)

RAYMOND (399B)

DAULTON (399C)

RAYNOR CREEK (400A)

LE GRAND (400B)

BERENDA (400C)

KISMET (400D)

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 April 15, 2008.

CNPS California Native Plant Society

Inventory of Rare and Endangered Plants

v7-07d 10-18-07

Status: search results - Wed, Jan. 16, 2008 14:39 c

{QUADS_123} =~ m/400D|380A|380B|399B|399C|379B|400A|400B Search

Tip: Want to search by habitat? Try the **Checkbox and Preset** search page.[all tips and help.][search history]

Your Quad Selection: Kismet (400D) 3712011, Madera (380A) 3612081, Bonita Ranch (380B) 3612082, Raymond (399B) 3711928, Daulton (399C) 3711918, Gregg (379B) 3611988, Raynor Creek (400A) 3712021, Le Grand (400B) 3712022, Berenda (400C) 3712012

Hits 1 to 14 of 14

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

ADD checked items to Plant Press | check all | check none

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
		1	Atriplex cordulata	heartscale	Chenopodiaceae	List 1B.2
		1	Atriplex minuscula	lesser saltscale	Chenopodiaceae	List 1B.1
		1	Atriplex persistens	vernal pool smallscale	Chenopodiaceae	List 1B.2
		1	Atriplex subtilis	subtle orache	Chenopodiaceae	List 1B.2
		1	Calycadenia hooveri	Hoover's calycadenia	Asteraceae	List 1B.3
		1	Castilleja campestris ssp. succulenta	succulent owl's-clover	Scrophulariaceae	List 1B.2
		1	Delphinium recurvatum	recurved larkspur	Ranunculaceae	List 1B.2
		1	Eryngium spinosepalum	spiny-sepaled button-celery	Apiaceae	List 1B.2
		1	Leptosiphon serrulatus	Madera leptosiphon	Polemoniaceae	List 1B.2
		1	Navarretia nigelliformis ssp. radians	shining navarretia	Polemoniaceae	List 1B.2
		1	Orcuttia inaequalis	San Joaquin Valley Orcutt grass	Poaceae	List 1B.1
		1	Orcuttia pilosa	hairy Orcutt grass	Poaceae	List 1B.1
		1	Phacelia ciliata var. opaca	Merced phacelia	Hydrophyllaceae	List 1B.2
		1	Tuctoria greenei	Greene's tuctoria	Poaceae	List 1B.1

To save selected records for later study, click the ADD button.

ADD checked items to Plant Press | check all | check none

Selections will appear in a new window.