

APPENDIX 5.2B

Special-status 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: 080326023018

Database Last Updated: January 31, 2008

Quad Lists

Listed Species

Invertebrates

- Branchinecta conservatio*
Conservancy fairy shrimp (E)
- Branchinecta longiantenna*
longhorn fairy shrimp (E)
- Branchinecta lynchi*
Critical habitat, vernal pool fairy shrimp (X)
vernal pool fairy shrimp (T)
- Desmocerus californicus dimorphus*
valley elderberry longhorn beetle (T)
- Lepidurus packardi*
vernal pool tadpole shrimp (E)

Fish

- Acipenser medirostris*
green sturgeon (T) (NMFS)
- Hypomesus transpacificus*
Critical habitat, delta smelt (X)
delta smelt (T)
- Oncorhynchus mykiss*
Central Valley steelhead (T) (NMFS)
Critical habitat, Central Valley steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*
Central Valley spring-run chinook salmon (T) (NMFS)
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)

Reptiles

- Masticophis lateralis euryxanthus*
Alameda whipsnake [=striped racer] (T)
Critical habitat, Alameda whipsnake (X)
- Thamnophis gigas*
giant garter snake (T)

Mammals

- Sylvilagus bachmani riparius*
riparian brush rabbit (E)
- Vulpes macrotis mutica*

San Joaquin kit fox (E)

Plants

Amsinckia grandiflora

Critical habitat, large-flowered fiddleneck (X)

large-flowered fiddleneck (E)

Lasthenia conjugens

Critical habitat, Contra Costa goldfields (X)

Quads Containing Listed, Proposed or Candidate Species:

VERNALIS (444A)

TRACY (444B)

LONE TREE CREEK (444C)

SOLYO (444D)

MIDWAY (445A)

CEDAR MTN. (445D)

UNION ISLAND (462C)

LATHROP (462D)

CLIFTON COURT FOREBAY (463D)

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, 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 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 c

[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 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 June 24, 2008.

California Department of Fish and Game
Natural Diversity Database
Selected Elements by Element Code - Portrait
Stanislaus County

Element Code	Scientific Name/Common Name	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 AAAAA01180	<i>Ambystoma californiense</i> California tiger salamander	Threatened		G2G3	S2S3	SC
2 AAABF02020	<i>Spea hammondi</i> western spadefoot			G3	S3	SC
3 AAABH01022	<i>Rana aurora draytonii</i> California red-legged frog	Threatened		G4T2T3	S2S3	SC
4 AAABH01050	<i>Rana boylei</i> foothill yellow-legged frog			G3	S2S3	SC
5 ABNGA04010	<i>Ardea herodias</i> great blue heron			G5	S4	
6 ABNGA06030	<i>Egretta thula</i> snowy egret			G5	S4	
7 ABNJB05035	<i>Branta hutchinsii leucopareia</i> cackling (=Aleutian Canada) goose	Delisted		G5T4	S2	
8 ABNKC10010	<i>Haliaeetus leucocephalus</i> bald eagle	Delisted	Endangered	G5	S2	
9 ABNKC19070	<i>Buteo swainsoni</i> Swainson's hawk		Threatened	G5	S2	
10 ABNKC22010	<i>Aquila chrysaetos</i> golden eagle			G5	S3	
11 ABNKD06090	<i>Falco mexicanus</i> prairie falcon			G5	S3	
12 ABNNB03100	<i>Charadrius montanus</i> mountain plover			G2	S2?	SC
13 ABNRB02022	<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	Candidate	Endangered	G5T3Q	S1	
14 ABNSB10010	<i>Athene cunicularia</i> burrowing owl			G4	S2	SC
15 ABPAT02011	<i>Eremophila alpestris actia</i> California horned lark			G5T3Q	S3	
16 ABPBR01030	<i>Lanius ludovicianus</i> loggerhead shrike			G4	S4	SC
17 ABPBX24010	<i>Icteria virens</i> yellow-breasted chat			G5	S3	SC
18 ABPBXA301K	<i>Melospiza melodia maxillaris</i> Suisun song sparrow			G5T2	S2	SC
19 ABPBXB0020	<i>Agelaius tricolor</i> tricolored blackbird			G2G3	S2	SC
20 AFCJB19021	<i>Lavinia symmetricus ssp. 1</i> San Joaquin roach			G5T3Q	S3	SC
21 AFCJB34020	<i>Pogonichthys macrolepidotus</i> Sacramento splittail			G2	S2	SC
22 AMACC01020	<i>Myotis yumanensis</i> Yuma myotis			G5	S4?	
23 AMACC02010	<i>Lasionycteris noctivagans</i> silver-haired bat			G5	S3S4	
24 AMACC05030	<i>Lasiurus cinereus</i> hoary bat			G5	S4?	

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25 AMACC05060	<i>Lasiurus blossevillii</i> western red bat			G5	S3?	SC
26 AMACC08010	<i>Corynorhinus townsendii</i> Townsend's big-eared bat			G4	S2S3	SC
27 AMACC10010	<i>Antrozous pallidus</i> pallid bat			G5	S3	SC
28 AMACD02011	<i>Eumops perotis californicus</i> western mastiff bat			G5T4	S3?	SC
29 AMAEB01021	<i>Sylvilagus bachmani riparius</i> riparian brush rabbit	Endangered	Endangered	G5T1	S1	
30 AMAFD01061	<i>Perognathus inornatus inornatus</i> San Joaquin pocket mouse			G4T2T3	S2S3	
31 AMAFD03062	<i>Dipodomys heermanni dixonii</i> Merced kangaroo rat			G3G4T12T3	S2S3	
32 AMAFF08081	<i>Neotoma fuscipes riparia</i> riparian (=San Joaquin Valley) woodrat	Endangered		G5T1Q	S1	SC
33 AMAJA03041	<i>Vulpes macrotis mutica</i> San Joaquin kit fox	Endangered	Threatened	G4T2T3	S2S3	
34 AMAJF04010	<i>Taxidea taxus</i> American badger			G5	S4	SC
35 ARAAD02030	<i>Actinemys marmorata</i> western pond turtle			G3G4	S3	SC
36 ARACF12022	<i>Phrynosoma coronatum</i> (frontale population) coast (California) horned lizard			G4G5	S3S4	SC
37 ARADB21021	<i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake			G5T2T3	S2?	SC
38 CTT44110CA	Northern Hardpan Vernal Pool			G3	S3.1	
39 CTT52410CA	Coastal and Valley Freshwater Marsh			G3	S2.1	
40 CTT61410CA	Great Valley Cottonwood Riparian Forest			G2	S2.1	
41 CTT61420CA	Great Valley Mixed Riparian Forest			G2	S2.2	
42 CTT61430CA	Great Valley Valley Oak Riparian Forest			G1	S1.1	
43 CTT62100CA	Sycamore Alluvial Woodland			G1	S1.1	
44 CTT63440CA	Elderberry Savanna			G2	S2.1	
45 ICBRA03010	<i>Branchinecta conservatio</i> Conservancy fairy shrimp	Endangered		G1	S1	
46 ICBRA03030	<i>Branchinecta lynchi</i> vernal pool fairy shrimp	Threatened		G3	S2S3	
47 ICBRA06010	<i>Linderiella occidentalis</i> California linderiella			G3	S2S3	
48 ICBRA10010	<i>Lepidurus packardii</i> vernal pool tadpole shrimp	Endangered		G3	S2S3	
49 IICOL48011	<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	Threatened		G3T2	S2	
50 IICOL4C020	<i>Lytta moesta</i> moestan blister beetle			G2	S2	

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Element Code	Scientific Name/Common Name	Federal Status	State Status	GRank	SRank	CDFG or CNPS
51 IIHYM18010	<i>Eucerceris ruficeps</i> redheaded sphecid wasp			G1G3	S1S2	
52 IIHYM71050	<i>Ceratochrysis menkei</i> Menke's cuckoo wasp			G1	S1	
53 ILARAU8020	<i>Calicina breva</i> Stanislaus harvestman			G1	S1	
54 IMGASJ0980	<i>Pyrgulopsis diablensis</i> Diablo Range pyrg			G1	S1	
55 PDAPI0Z0S0	<i>Eryngium racemosum</i> Delta button-celery		Endangered	G2Q	S2.1	1B.1
56 PDAPI1B2J0	<i>Lomatium observatorium</i> Mt. Hamilton lomatium			G1	S1.2	1B.2
57 PDAST1C011	<i>Blepharizonia plumosa</i> big tarplant			G1	S1.1	1B.1
58 PDAST1P040	<i>Calycadenia hooveri</i> Hoover's calycadenia			G2	S2.2	1B.3
59 PDAST2E163	<i>Cirsium fontinale</i> var. <i>campylon</i> Mt. Hamilton fountain thistle			G2T2	S2.2	1B.2
60 PDAST2L0C0	<i>Coreopsis hamiltonii</i> Mt. Hamilton coreopsis			G2	S2.2	1B.2
61 PDAST650E0	<i>Madia radiata</i> showy madia			G2	S2.1	1B.1
62 PDAST7P010	<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	Endangered	Endangered	G2	S2.1	1B.1
63 PDBOR0A190	<i>Cryptantha hooveri</i> Hoover's cryptantha			GH	SH	1A
64 PDBOR0A1Q0	<i>Cryptantha mariposae</i> Mariposa cryptantha			G2	S2.3	1B.3
65 PDBOR0V170	<i>Plagiobothrys uncinatus</i> hooked popcorn-flower			G2	S2.2	1B.2
66 PDBRA0M0E0	<i>Caulanthus coulteri</i> var. <i>lemmonii</i> Lemmon's jewelflower			G4T2	S2.2	1B.2
67 PDCAM020A0	<i>Campanula exigua</i> chaparral harebell			G2	S2.2	1B.2
68 PDCAM02100	<i>Campanula sharsmithiae</i> Sharsmith's harebell			G1	S1.2	1B.2
69 PDCAM060C0	<i>Downingia pusilla</i> dwarf downingia			G3	S3.1	2.2
70 PDCAM0C010	<i>Legenere limosa</i> legenere			G2	S2.2	1B.1
71 PDCHE040B0	<i>Atriplex cordulata</i> heartscale			G2?	S2.2?	1B.2
72 PDCHE042M0	<i>Atriplex minuscula</i> lesser saltscale			G1	S1.1	1B.1
73 PDCHE042P0	<i>Atriplex persistens</i> vernal pool smallscale			G2	S2.2	1B.2
74 PDEUP0D150	<i>Chamaesyce hooveri</i> Hoover's spurge	Threatened		G2	S2.1	1B.2

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75 PDFAB0F8R1	<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch			G1T1	S1.1	1B.2
76 PDFAB2A150	<i>Lotus rubriflorus</i> red-flowered bird's-foot-trefoil			G1	S1.1	1B.1
77 PDGER01070	<i>California macrophylla</i> round-leaved filaree			G3	S3.1	1B.1
78 PDHYD0C3Q0	<i>Phacelia phacelioides</i> Mt. Diablo phacelia			G1	S1.2	1B.2
79 PDLAM180C0	<i>Monardella leucocephala</i> Merced monardella			GH	SH	1A
80 PDLIN010D0	<i>Hesperolinon</i> sp. nov. " <i>serpentinum</i> " Napa western flax			G2	S2.1	1B.1
81 PDMAL0Q0F0	<i>Malacothamnus hallii</i> Hall's bush-mallow			G1Q	S1.2	1B.2
82 PDONA050Y0	<i>Clarkia rostrata</i> beaked clarkia			G2	S2.1	1B.3
83 PDPAP0A0D0	<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy			G1	S1.1	1B.1
84 PDRAN0B0A2	<i>Delphinium californicum</i> ssp. <i>interius</i> Hospital Canyon larkspur			G3T2?	S2?	1B.2
85 PDSCR0D3Z1	<i>Castilleja campestris</i> ssp. <i>succulenta</i> succulent owl's-clover	Threatened	Endangered	G4?T2	S2.2	1B.2
86 PMJUN01210	<i>Juncus nodosus</i> knotted rush			G5	S2.3	2.3
87 PMLIL02310	<i>Allium sharsmithiae</i> Sharsmith's onion			G2	S2.3	1B.3
88 PMLIL0V070	<i>Fritillaria falcata</i> talus fritillary			G2	S2.2	1B.2
89 PMPOA4C010	<i>Neostapfia colusana</i> Colusa grass	Threatened	Endangered	G3	S3.1	1B.1
90 PMPOA4G040	<i>Orcuttia pilosa</i> hairy orcutt grass	Endangered	Endangered	G2	S2.1	1B.1
91 PMPOA4G060	<i>Orcuttia inaequalis</i> San Joaquin Valley orcutt grass	Threatened	Endangered	G2	S2.1	1B.1
92 PMPOA6N010	<i>Tuctoria greenei</i> Greene's tuctoria	Endangered	Rare	G2	S2.2	1B.1

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Selected Elements by Element Code - Portrait

9-Quad search (Tracy, Clifton Court Forebay, Union Island, Lathrop, Midway, Vernalis, Cedar Mountain, Lone Tree Creek, and Solyo)

Element Code	Scientific Name/Common Name	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 AAAAA01180	<i>Ambystoma californiense</i> California tiger salamander	Threatened		G2G3	S2S3	SC
2 AAABF02020	<i>Spea hammondi</i> western spadefoot			G3	S3	SC
3 AAABH01022	<i>Rana aurora draytonii</i> California red-legged frog	Threatened		G4T2T3	S2S3	SC
4 AAABH01050	<i>Rana boylei</i> foothill yellow-legged frog			G3	S2S3	SC
5 ABNKC06010	<i>Elanus leucurus</i> white-tailed kite			G5	S3	
6 ABNKC11010	<i>Circus cyaneus</i> northern harrier			G5	S3	SC
7 ABNKC19070	<i>Buteo swainsoni</i> Swainson's hawk		Threatened	G5	S2	
8 ABNKC19120	<i>Buteo regalis</i> ferruginous hawk			G4	S3S4	
9 ABNKC22010	<i>Aquila chrysaetos</i> golden eagle			G5	S3	
10 ABNRB02022	<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	Candidate	Endangered	G5T3Q	S1	
11 ABNSB10010	<i>Athene cunicularia</i> burrowing owl			G4	S2	SC
12 ABPAT02011	<i>Eremophila alpestris actia</i> California horned lark			G5T3Q	S3	
13 ABPBR01030	<i>Lanius ludovicianus</i> loggerhead shrike			G4	S4	SC
14 ABPBXB0020	<i>Agelaius tricolor</i> tricolored blackbird			G2G3	S2	SC
15 ABPBXB3010	<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird			G5	S3S4	SC
16 AMACC08010	<i>Corynorhinus townsendii</i> Townsend's big-eared bat			G4	S2S3	SC
17 AMACC10010	<i>Antrozous pallidus</i> pallid bat			G5	S3	SC
18 AMACD02011	<i>Eumops perotis californicus</i> western mastiff bat			G5T4	S3?	SC
19 AMAEB01021	<i>Sylvilagus bachmani riparius</i> riparian brush rabbit	Endangered	Endangered	G5T1	S1	
20 AMAFD01061	<i>Perognathus inornatus inornatus</i> San Joaquin pocket mouse			G4T2T3	S2S3	
21 AMAFF08081	<i>Neotoma fuscipes riparia</i> riparian (=San Joaquin Valley) woodrat	Endangered		G5T1Q	S1	SC
22 AMAJA03041	<i>Vulpes macrotis mutica</i> San Joaquin kit fox	Endangered	Threatened	G4T2T3	S2S3	
23 AMAJF04010	<i>Taxidea taxus</i> American badger			G5	S4	SC

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Selected Elements by Element Code - Portrait

9-Quad search (Tracy, Clifton Court Forebay, Union Island, Lathrop, Midway, Vernalis, Cedar Mountain, Lone Tree Creek, and Solyo)

Element Code	Scientific Name/Common Name	Federal Status	State Status	GRank	SRank	CDFG or CNPS
24 ARAAD02030	<i>Actinemys marmorata</i> western pond turtle			G3G4	S3	SC
25 ARACC01012	<i>Anniella pulchra pulchra</i> silvery legless lizard			G3G4T3T4 Q	S3	SC
26 ARACF12022	<i>Phrynosoma coronatum (frontale population)</i> coast (California) horned lizard			G4G5	S3S4	SC
27 ARADB21021	<i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake			G5T2T3	S2?	SC
28 ARADB21031	<i>Masticophis lateralis euryxanthus</i> Alameda whipsnake	Threatened	Threatened	G4T2	S2	
29 CTT36210CA	<i>Valley Sink Scrub</i>			G1	S1.1	
30 CTT44120CA	<i>Northern Claypan Vernal Pool</i>			G1	S1.1	
31 CTT45310CA	<i>Alkali Meadow</i>			G3	S2.1	
32 CTT61410CA	<i>Great Valley Cottonwood Riparian Forest</i>			G2	S2.1	
33 CTT61430CA	<i>Great Valley Valley Oak Riparian Forest</i>			G1	S1.1	
34 ICBRA03030	<i>Branchinecta lynchi</i> vernal pool fairy shrimp	Threatened		G3	S2S3	
35 ICBRA03150	<i>Branchinecta mesovallensis</i> midvalley fairy shrimp			G2	S2	
36 IICOL38030	<i>Hygrotus curvipes</i> curved-foot hygrotus diving beetle			G1	S1	
37 IICOL48011	<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	Threatened		G3T2	S2	
38 IICOL49010	<i>Anthicus sacramento</i> Sacramento anthicid beetle			G1	S1	
39 PDAPI0Z0S0	<i>Eryngium racemosum</i> Delta button-celery		Endangered	G2Q	S2.1	1B.1
40 PDAPI19030	<i>Lilaeopsis masonii</i> Mason's lilaeopsis		Rare	G3	S3.1	1B.1
41 PDAST1C011	<i>Blepharizonia plumosa</i> big tarplant			G1	S1.1	1B.1
42 PDAST2E0U0	<i>Cirsium crassicaule</i> slough thistle			G2	S2.2	1B.1
43 PDAST2E163	<i>Cirsium fontinale var. campylon</i> Mt. Hamilton fountain thistle			G2T2	S2.2	1B.2
44 PDAST2L0C0	<i>Coreopsis hamiltonii</i> Mt. Hamilton coreopsis			G2	S2.2	1B.2
45 PDAST4M020	<i>Helianthella castanea</i> Diablo helianthella			G3	S3.2	1B.2
46 PDAST650E0	<i>Madia radiata</i> showy madia			G2	S2.1	1B.1
47 PDAST8H060	<i>Senecio aphanactis</i> chaparral ragwort			G3?	S1.2	2.2

California Department of Fish and Game

Natural Diversity Database

Selected Elements by Element Code - Portrait

9-Quad search (Tracy, Clifton Court Forebay, Union Island, Lathrop, Midway, Vernalis, Cedar Mountain, Lone Tree Creek, and Solyo)

Element Code	Scientific Name/Common Name	Federal Status	State Status	GRank	SRank	CDFG or CNPS
48 PDAST9F031	<i>Trichocoronis wrightii</i> var. <i>wrightii</i> Wright's trichocoronis			G4T3	S1.1	2.1
49 PDASTE8470	<i>Symphotrichum lentum</i> Suisun Marsh aster			G2	S2.2	1B.2
50 PDBOR01050	<i>Amsinckia grandiflora</i> large-flowered fiddleneck	Endangered	Endangered	G1	S1.1	1B.1
51 PDBRA0M0E0	<i>Caulanthus coulteri</i> var. <i>lemmonii</i> Lemmon's jewelflower			G4T2	S2.2	1B.2
52 PDBRA2R010	<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum			G1	S1.1	1B.1
53 PDCAM020A0	<i>Campanula exigua</i> chaparral harebell			G2	S2.2	1B.2
54 PDCHE041F3	<i>Atriplex joaquiniana</i> San Joaquin spearscale			G2	S2.1	1B.2
55 PDFAB0F8R1	<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch			G1T1	S1.1	1B.2
56 PDGER01070	<i>California macrophylla</i> round-leaved filaree			G3	S3.1	1B.1
57 PDHYD0C3Q0	<i>Phacelia phacelioides</i> Mt. Diablo phacelia			G1	S1.2	1B.2
58 PDLIN010D0	<i>Hesperolinon</i> sp. nov. " <i>serpentinum</i> " Napa western flax			G2	S2.1	1B.1
59 PDMAL0H0Q0	<i>Hibiscus lasiocarpus</i> woolly rose-mallow			G4	S2.2	2.2
60 PDMAL0Q0F0	<i>Malacothamnus hallii</i> Hall's bush-mallow			G1Q	S1.2	1B.2
61 PDONA050A1	<i>Clarkia concinna</i> ssp. <i>automixa</i> Santa Clara red ribbons			G5?T3	S3.3	4.3
62 PDPAP0A0D0	<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy			G1	S1.1	1B.1
63 PDRAN0B0A2	<i>Delphinium californicum</i> ssp. <i>interius</i> Hospital Canyon larkspur			G3T2?	S2?	1B.2
64 PDRAN0B1J0	<i>Delphinium recurvatum</i> recurved larkspur			G2	S2.2	1B.2
65 PDSCR10050	<i>Limosella subulata</i> Delta mudwort			G4?Q	S2.1	2.1
66 PMLIL02310	<i>Allium sharsmithiae</i> Sharsmith's onion			G2	S2.3	1B.3
67 PMLILOV070	<i>Fritillaria falcata</i> talus fritillary			G2	S2.2	1B.2

CNPS Inventory of Rare and Endangered Plants

Status: Plant Press Manager window with 33 items - Wed, Mar. 26, 2008 12:35 c

Reformat list as:

ECOLOGICAL REPORT

scientific	family	life form	blooming	communities	elevation	CNPS
<u>Allium sharsmithiae</u>	Liliaceae	perennial bulbiferous herb	Mar-May	•Chaparral (Chprl) •Cismontane woodland (CmWld)/serpentinite, rocky	400 - 1200 meters	List 1B.3
<u>Amsinckia grandiflora</u>	Boraginaceae	annual herb	Apr-May	•Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs)	275 - 550 meters	List 1B.1
<u>Astragalus tener</u> var. <u>tener</u>	Fabaceae	annual herb	Mar-Jun	•Playas (Plyas) •Valley and foothill grassland (VFGrs)(adobe clay) •Vernal pools (VnPls)/alkaline	1 - 60 meters	List 1B.2
<u>Atriplex cordulata</u>	Chenopodiaceae	annual herb	Apr-Oct	•Chenopod scrub (ChScr) •Meadows and seeps (Medws) •Valley and foothill grassland (VFGrs)(sandy)/saline or alkaline	1 - 375 meters	List 1B.2
<u>Atriplex depressa</u>	Chenopodiaceae	annual herb	May-Oct	•Chenopod scrub (ChScr) •Meadows and seeps (Medws) •Playas (Plyas) •Valley and foothill grassland (VFGrs) •Vernal pools (VnPls)/alkaline, clay	1 - 320 meters	List 1B.2
<u>Atriplex joaquiniana</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.2
<u>Blepharizonia plumosa</u>	Asteraceae	annual herb	Jul-Oct	•Valley and foothill grassland (VFGrs)	30 - 505 meters	List 1B.1
				•Cismontane woodland		

<u>California macrophylla</u>	Geraniaceae	annual herb	Mar-May	(CmWld) •Valley and foothill grassland (VFGrs)/clay	15 - 1200 meters	List 1B.1
<u>Campanula exigua</u>	Campanulaceae	annual herb	May-Jun	•Chaparral (Chprl)(rocky, usually serpentinite)	275 - 1250 meters	List 1B.2
<u>Caulanthus coulteri</u> var. <u>lemmonii</u>	Brassicaceae	annual herb	Mar-May	•Pinyon and juniper woodland (PJWld) •Valley and foothill grassland (VFGrs)	80 - 1220 meters	List 1B.2
<u>Cirsium crassicaule</u>	Asteraceae	annual/perennial herb	May-Aug	•Chenopod scrub (ChScr) •Marshes and swamps (MshSw)(sloughs) •Riparian scrub (RpScr)	3 - 100 meters	List 1B.1
<u>Cirsium fontinale</u> var. <u>campylon</u>	Asteraceae	perennial herb	(Feb)Apr-Oct <small>Months in parentheses are uncommon.</small>	•Chaparral (Chprl) •Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs)/serpentinite seeps	100 - 890 meters	List 1B.2
<u>Coreopsis hamiltonii</u>	Asteraceae	annual herb	Mar-May	•Cismontane woodland (CmWld)(rocky)	550 - 1300 meters	List 1B.2
<u>Delphinium californicum</u> ssp. <u>interius</u>	Ranunculaceae	perennial herb	Apr-Jun	•Chaparral (Chprl)(openings) •Cismontane woodland (CmWld)(mesic)	230 - 1095 meters	List 1B.2
<u>Delphinium recurvatum</u>	Ranunculaceae	perennial herb	Mar-Jun	•Chenopod scrub (ChScr) •Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs)/alkaline	3 - 750 meters	List 1B.2
<u>Eryngium racemosum</u>	Apiaceae	annual/perennial herb	Jun-Sep	•Riparian scrub (RpScr) (vernally mesic clay depressions)	3 - 30 meters	List 1B.1
<u>Eschscholzia rhombipetala</u>	Papaveraceae	annual herb	Mar-Apr	•Valley and foothill grassland (VFGrs)(alkaline, clay)	0 - 975 meters	List 1B.1
<u>Fritillaria falcata</u>	Liliaceae	perennial bulbiferous herb	Mar-May	•Chaparral (Chprl) •Cismontane woodland (CmWld) •Lower montane coniferous forest (LCFRs)/serpentinite, often talus	300 - 1525 meters	List 1B.2
				•Broadleafed upland forest (BUFRs) •Chaparral (Chprl) •Cismontane woodland		

<u>Helianthella castanea</u>	Asteraceae	perennial herb	Mar-Jun	(CmWld) •Coastal scrub (CoScr) •Riparian woodland (RpWld) •Valley and foothill grassland (VFGrs)	60 - 1300 meters	List 1B.2
<u>Hesperolinon serpentinum</u>	Linaceae	annual herb	May-Jul	•Chaparral (Chprl) (serpentine)	50 - 800 meters	List 1B.1
<u>Hibiscus lasiocarpus</u>	Malvaceae	perennial rhizomatous herb emergent	Jun-Sep	•Marshes and swamps (MshSw)(freshwater)	0 - 120 meters	List 2.2
<u>Lilaeopsis masonii</u>	Apiaceae	perennial rhizomatous herb	Apr-Nov	•Marshes and swamps (MshSw)(brackish or freshwater) •Riparian scrub (RpScr)	0 - 10 meters	List 1B.1
<u>Limosella subulata</u>	Scrophulariaceae	perennial stoloniferous herb	May-Aug	•Marshes and swamps (MshSw)	0 - 3 meters	List 2.1
<u>Madia radiata</u>	Asteraceae	annual herb	Mar-May	•Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs)	25 - 900 meters	List 1B.1
<u>Malacothamnus hallii</u>	Malvaceae	perennial evergreen shrub	May-Sep(Oct) Months in parentheses are uncommon.	•Chaparral (Chprl) •Coastal scrub (CoScr)	10 - 760 meters	List 1B.2
<u>Micropus amphibolus</u>	Asteraceae	annual herb	Mar-May	•Broadleaved upland forest (BUFRs) •Chaparral (Chprl) •Cismontane woodland (CmWld) •Valley and foothill grassland (VFGrs)/rocky	45 - 825 meters	List 3.2
<u>Myosurus minimus ssp. apus</u>	Ranunculaceae	annual herb	Mar-Jun	•Valley and foothill grassland (VFGrs) •Vernal pools (VnPIs) (alkaline)	20 - 640 meters	List 3.1
<u>Phacelia phacelioides</u>	Hydrophyllaceae	annual herb	Apr-May	•Chaparral (Chprl) •Cismontane woodland (CmWld)/rocky	500 - 1370 meters	List 1B.2
<u>Sagittaria sanfordii</u>	Alismataceae	perennial rhizomatous herb emergent	May-Oct	•Marshes and swamps (MshSw)(assorted shallow freshwater)	0 - 650 meters	List 1B.2
<u>Senecio aphanactis</u>	Asteraceae	annual herb	Jan-Apr	•Chaparral (Chprl) •Cismontane woodland (CmWld) •Coastal scrub	15 - 800 meters	List 2.2

(CoScr)/sometimes alkaline						
<u>Symphyotrichum</u> <u>lentum</u>	Asteraceae	perennial rhizomatous herb	May-Nov	•Marshes and swamps (MshSw)(brackish and freshwater)	0 - 3 meters	List 1B.2
<u>Trichocoronis</u> <u>wrightii</u> var. <u>wrightii</u>	Asteraceae	annual herb	May-Sep	•Meadows and seeps (Medws) •Marshes and swamps (MshSw) •Riparian forest (RpFrs) •Vernal pools (VnPls)/alkaline	5 - 435 meters	List 2.1
<u>Tropidocarpum</u> <u>capparideum</u>	Brassicaceae	annual herb	Mar-Apr	•Valley and foothill grassland (VFGrs)(alkaline hills)	1 - 455 meters	List 1B.1