

Appendix F Threatened and Endangered Species List

U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office
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

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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)

Elaphrus viridis

Critical habitat, delta green ground beetle (X)

delta green ground beetle (T)

Lepidurus packardi

Critical habitat, vernal pool tadpole shrimp (X)

vernal pool tadpole shrimp (E)

Speyeria callippe callippe

callippe silverspot butterfly (E)

Speyeria zerene myrtleae

Myrtle's silverspot butterfly (E)

Syncaris pacifica

California freshwater shrimp (E)

Fish

Acipenser medirostris

green sturgeon (T) (NMFS)

Eucyclogobius newberryi

tidewater goby (E)

Hypomesus transpacificus

Critical habitat, delta smelt (X)

delta smelt (T)

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)
 Critical habitat, Central California coastal steelhead (X) (NMFS)
 Critical habitat, Central Valley steelhead (X) (NMFS)

Oncorhynchus tshawytscha

Central Valley spring-run chinook salmon (T) (NMFS)
 Critical Habitat, Central Valley spring-run chinook (X) (NMFS)
 Critical habitat, winter-run chinook salmon (X) (NMFS)
 winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

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

Rana draytonii

California red-legged frog (T)
 Critical habitat, California red-legged frog (X)

Reptiles

Masticophis lateralis euryxanthus

Alameda whipsnake [=striped racer] (T)
 Critical habitat, Alameda whipsnake (X)

Thamnophis gigas

giant garter snake (T)

Birds

Charadrius alexandrinus nivosus

western snowy plover (T)

Pelecanus occidentalis californicus

California brown pelican (E)

Rallus longirostris obsoletus

California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni

California least tern (E)

Strix occidentalis caurina

northern spotted owl (T)

Mammals

Reithrodontomys raviventris

salt marsh harvest mouse (E)

Plants

Blennosperma bakeri

Baker's stickyseed [=Sonoma Sunshine] (E)

Castilleja affinis ssp. *neglecta*

Tiburon paintbrush (E)

Cirsium hydrophilum var. *hydrophilum*

Suisun thistle (E)

Cordylanthus mollis ssp. *mollis*

soft bird's-beak (E)

Holocarpha macradenia

Santa Cruz tarplant (T)

Lasthenia conjugens

Contra Costa goldfields (E)

Critical habitat, Contra Costa goldfields (X)

Limnanthes vinculans

Sebastopol meadowfoam (E)

Neostapfia colusana

Colusa grass (T)

Oenothera deltooides ssp. howellii

Antioch Dunes evening-primrose (E)

Orcuttia inaequalis

San Joaquin Valley Orcutt grass (T)

Sidalcea keckii

Keck's checker-mallow (=checkerbloom) (E)

Trifolium amoenum

showy Indian clover (E)

Tuctoria mucronata

Solano grass (=Crampton's tuctoria) (E)

Proposed Species

Plants

Cirsium hydrophilum var. hydrophilum

Critical habitat, Suisun thistle (PX)

Cordylanthus mollis ssp. mollis

Critical habitat, soft bird's-beak (PX)

Quads Containing Listed, Proposed or Candidate Species:

BIRDS LANDING (481A)

DENVERTON (481B)

HONKER BAY (481C)

FAIRFIELD SOUTH (482A)

CORDELIA (482B)

BENICIA (482C)

VINE HILL (482D)

CUTTINGS WHARF (483A)

SEARS POINT (483B)

MARE ISLAND (483D)

ALLENDALE (498B)

ELMIRA (498C)

DOZIER (498D)

MT. VACA (499A)

MT. GEORGE (499C)

FAIRFIELD NORTH (499D)

NAPA (500D)

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 and/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. See our [Protocol](#) and [Recovery Permits](#) pages.

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 [Map Room](#) page.

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) 414-6520.

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 November 08, 2012.



Quad is (Birds Landing (3812127) or Denverton (3812128) or Honker Bay (3812118) or Fairfield South (3812221) or Cordelia (3812222) or Benicia (3812212) or Vine Hill (3812211) or Cuttings Wharf (3812223) or Sears Point (3812224) or Mare Island (3812213) or Allendale (3812148) or Elmira (3812138) or Dozier (3812137) or Mt. Vaca (3812241) or Mt. George (3812232) or Fairfield North (3812231) or Napa (3812233))

CNDDB Element Query Results

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Accipiter cooperii	Cooper's hawk	ABNKC12040	102	G5	S3	None	None		DFG_WL-Watch List IUCN_LC-Least Concern	Cismontane woodland Riparian forest Riparian woodland Upper montane coniferous forest
Adela oplerella	Opler's longhorn moth	IILEE0G040	8	G2G3	S2S3	None	None			Ultramafic Valley and foothill grassland
Agelaius tricolor	tricolored blackbird	ABPBXB0020	428	G2G3	S2	None	None		ABC_WLBCC -Watch List of Birds of Conservation Concern BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_EN-Endangered USFWS_BCC -Birds of Conservation Concern	Freshwater marsh Marsh and swamp Swamp Wetland
Ambystoma californiense	California tiger salamander	AAAAA01180	1057	G2G3	S2S3	Threatened	Threatened		DFG_SSC-Species of Special Concern IUCN_VU-Vulnerable	Cismontane woodland Meadow and seep Riparian woodland Valley and foothill grassland Vernal pool Wetland
Andrena blennospermatis	Blennosperma vernal pool andrenid bee	IHYM35030	15	G2	S2	None	None			Vernal pool
Antrozous pallidus	pallid bat	AMACC10010	402	G5	S3	None	None		BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	Chaparral Coastal scrub Desert wash Great Basin grassland Great Basin scrub Mojavean desert scrub Riparian woodland Sonoran desert scrub Upper montane coniferous forest Valley and foothill grassland
Aquila chrysaetos	golden eagle	ABNKC22010	141	G5	S3	None	None		BLM_S-Sensitive CDF_S-Sensitive DFG_FP-Fully Protected DFG_WL-Watch List IUCN_LC-Least Concern USFWS_BCC -Birds of Conservation Concern	Broadleaved upland forest Cismontane woodland Coastal prairie Great Basin grassland Great Basin scrub Lower montane coniferous forest Pinon and juniper woodlands Upper montane coniferous forest Valley and foothill grassland
Ardea alba	great egret	ABNGA04040	35	G5	S4	None	None		CDF_S-Sensitive IUCN_LC-Least Concern	Brackish marsh Estuary Freshwater marsh Marsh and swamp Riparian forest Wetland

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
<i>Ardea herodias</i>	great blue heron	ABNGA04010	132	G5	S4	None	None		CDF_S-Sensitive IUCN_LC-Least Concern	Brackish marsh Estuary Freshwater marsh Marsh and swamp Riparian forest Wetland
<i>Asio flammeus</i>	short-eared owl	ABNSB13040	9	G5	S3	None	None		ABC_WLBCC-Watch List of Birds of Conservation Concern DFG_SSC-Species of Special Concern IUCN_LC-Least Concern	Great Basin grassland Marsh and swamp Meadow and seep Valley and foothill grassland Wetland
<i>Astragalus tener</i> var. <i>ferrisiae</i>	Ferris' milk-vetch	PDFAB0F8R3	16	G1T1	S1	None	None	1B.1	BLM_S-Sensitive	Meadow and seep Valley and foothill grassland Wetland
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	PDFAB0F8R1	65	G2T2	S2	None	None	1B.2		Alkali playa Valley and foothill grassland Vernal pool Wetland
<i>Athene cunicularia</i>	burrowing owl	ABNSB10010	1808	G4	S2	None	None		BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Coastal prairie Coastal scrub Great Basin grassland Great Basin scrub Mojavean desert scrub Sonoran desert scrub Valley and foothill grassland
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale	PDCHE040B0	64	G3T2	S2.2?	None	None	1B.2	BLM_S-Sensitive	Chenopod scrub Meadow and seep Valley and foothill grassland
<i>Atriplex depressa</i>	brittlescale	PDCHE042L0	59	G2Q	S2.2	None	None	1B.2		Alkali playa Chenopod scrub Meadow and seep Valley and foothill grassland Vernal pool Wetland
<i>Atriplex joaquinana</i>	San Joaquin spearscale	PDCHE041F3	107	G2	S2	None	None	1B.2	BLM_S-Sensitive	Chenopod scrub Meadow and seep Valley and foothill grassland
<i>Atriplex persistens</i>	vernal pool smallscale	PDCHE042P0	39	G2	S2.2	None	None	1B.2		Vernal pool Wetland
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	PDAST11061	38	G2	S2	None	None	1B.2	BLM_S-Sensitive USFS_S-Sensitive	Cismontane woodland Ultramafic Valley and foothill grassland
<i>Blennosperma bakeri</i>	Sonoma sunshine	PDAST1A010	27	G1	S1	Endangered	Endangered	1B.1		Valley and foothill grassland Vernal pool Wetland
<i>Blepharizonia plumosa</i>	big tarplant	PDAST1C011	50	G1	S1	None	None	1B.1		Valley and foothill grassland
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	ICBRA03010	34	G1	S1	Endangered	None		IUCN_EN-Endangered	Valley and foothill grassland Vernal pool Wetland
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	ICBRA03030	608	G3	S2S3	Threatened	None		IUCN_VU-Vulnerable	Valley and foothill grassland Vernal pool Wetland
<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	ICBRA03150	99	G2	S2	None	None			Vernal pool Wetland
<i>Brodiaea leptandra</i>	narrow-anthered brodiaea	PMLL0C022	29	G2G3	S2S3.2	None	None	1B.2		Broadleaved upland forest Chaparral Lower montane coniferous forest
<i>Buteo regalis</i>	ferruginous hawk	ABNKC19120	96	G4	S3S4	None	None		DFG_WL-Watch List IUCN_LC-	Great Basin grassland Great Basin scrub

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Buteo swainsoni	Swainson's hawk	ABNKC19070	1747	G5	S2	None	Threatened		Least Concern USFWS_BCC -Birds of Conservation Concern ABC_WLBCC -Watch List of Birds of Conservation Concern BLM_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC -Birds of Conservation Concern	Pinon and juniper woodlands Valley and foothill grassland Great Basin grassland Riparian forest Riparian woodland Valley and foothill grassland
Calasellus californicus	An isopod	ICMAL34010	3	G2	S2	None	None			Aquatic
California macrophylla	round-leaved filaree	PDGER01070	155	G2	S2	None	None	1B.1	BLM_S-Sensitive	Cismontane woodland Valley and foothill grassland
Calochortus pulchellus	Mt. Diablo fairy-lantern	PMLIL0D160	40	G2	S2	None	None	1B.2		Chaparral Cismontane woodland Riparian woodland Valley and foothill grassland
Castilleja affinis ssp. neglecta	Tiburon paintbrush	PDSCR0D013	9	G4G5T1	S1	Endangered	Threatened	1B.2		Ultramafic Valley and foothill grassland
Ceanothus purpureus	holly-leaved ceanothus	PDRHA04160	40	G2	S2	None	None	1B.2		Chaparral
Centromadia parryi ssp. congdonii	Congdon's tarplant	PDAST4R0P1	92	G4T2	S2	None	None	1B.2	BLM_S-Sensitive	Valley and foothill grassland
Centromadia parryi ssp. parryi	pappose tarplant	PDAST4R0P2	27	G4T1	S1	None	None	1B.2	BLM_S-Sensitive	Coastal prairie Marsh and swamp Meadow and seep Valley and foothill grassland
Charadrius alexandrinus nivosus	western snowy plover	ABNNB03031	116	G4T3	S2	Threatened	None		ABC_WLBCC -Watch List of Birds of Conservation Concern DFG_SSC-Species of Special Concern USFWS_BCC -Birds of Conservation Concern	Great Basin standing waters Sand shore Wetland
Charadrius montanus	mountain plover	ABNNB03100	88	G2	S2?	Proposed Threatened	None		ABC_WLBCC -Watch List of Birds of Conservation Concern BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_NT-Near Threatened USFWS_BCC -Birds of Conservation Concern	Chenopod scrub Valley and foothill grassland
Chloropyron molle ssp. hispidum	hispid bird's-beak	PDSCR0J0D1	35	G2T2	S2.1	None	None	1B.1	BLM_S-Sensitive	Alkali playa Meadow and seep Wetland
Chloropyron molle ssp. molle	soft bird's-beak	PDSCR0J0D2	26	G2T1	S1	Endangered	Rare	1B.2		Marsh and swamp Salt marsh Wetland
Cicuta maculata var. bolanderi	Bolander's water-hemlock	PDAP10M051	17	G5T3T4	S2	None	None	2.1		Marsh and swamp Salt marsh Wetland

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
<i>Circus cyaneus</i>	northern harrier	ABNKC11010	43	G5	S3	None	None		DFG_SSC-Species of Special Concern IUCN_LC-Least Concern	Coastal scrub Great Basin grassland Marsh and swamp Riparian scrub Valley and foothill grassland Wetland
<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	Suisun thistle	PDAST2E1G1	4	G1T1	S1	Endangered	None	1B.1		Marsh and swamp Salt marsh Wetland
Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	60	G3	S2.1	None	None			Marsh and swamp Wetland
Coastal Brackish Marsh	Coastal Brackish Marsh	CTT52200CA	30	G2	S2.1	None	None			Marsh and swamp Wetland
<i>Danaus plexippus</i>	monarch butterfly	IILEPP2010	334	G5	S3	None	None			Closed-cone coniferous forest
<i>Delphinium recurvatum</i>	recurved larkspur	PDRAN0B1J0	91	G3	S3	None	None	1B.2	BLM_S-Sensitive	Chenopod scrub Cismontane woodland Valley and foothill grassland
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	IICOL48011	201	G3T2	S2	Threatened	None			Riparian scrub
<i>Dirca occidentalis</i>	western leatherwood	PDTHY03010	52	G2G3	S2S3	None	None	1B.2		Broadleaved upland forest Chaparral Cismontane woodland Closed-cone coniferous forest North coast coniferous forest Riparian forest Riparian woodland
<i>Downingia pusilla</i>	dwarf downingia	PDCAM060C0	122	G2	S2	None	None	2.2		Valley and foothill grassland Vernal pool Wetland
<i>Dumontia oregonensis</i>	hairy water flea	ICBRA23010	2	G1G3	S1	None	None			Vernal pool
<i>Elanus leucurus</i>	white-tailed kite	ABNKC06010	157	G5	S3	None	None		BLM_S-Sensitive DFG_FP-Fully Protected IUCN_LC-Least Concern	Cismontane woodland Marsh and swamp Riparian woodland Valley and foothill grassland Wetland
<i>Elaphrus viridis</i>	Delta green ground beetle	IICOL36010	7	G1	S1	Threatened	None		IUCN_CR-Critically Endangered	Vernal pool Wetland
<i>Emys marmorata</i>	western pond turtle	ARAAD02030	1134	G3G4	S3	None	None		BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	Aquatic Artificial flowing waters Klamath/North coast flowing waters Klamath/North coast standing waters Marsh and swamp Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters South coast flowing waters South coast standing waters Wetland
<i>Erigeron greenei</i>	Greene's narrow-leaved daisy	PDAST3M5G0	12	G2	S2	None	None	1B.2		Chaparral Ultramafic
<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	PDPGN085Z0	6	G1	S1.1	None	None	1B.1		Chaparral Coastal scrub Valley and foothill grassland
<i>Erysimum capitatum</i> var. <i>angustatum</i>	Contra Costa wallflower	PDBRA16052	4	G5T1	S1	Endangered	Endangered	1B.1		Interior dunes

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Falco peregrinus anatum	American peregrine falcon	ABNKD06071	33	G4T3	S2	Delisted	Delisted		CDF_S-Sensitive DFG_FP-Fully Protected USFWS_BCC -Birds of Conservation Concern	
Fritillaria liliacea	fragrant fritillary	PMLIL0V0C0	69	G2	S2	None	None	1B.2	USFS_S-Sensitive	Coastal prairie Coastal scrub Ultramafic Valley and foothill grassland
Fritillaria pluriflora	adobe-lily	PMLIL0V0F0	105	G3	S3	None	None	1B.2	BLM_S-Sensitive	Chaparral Cismontane woodland Ultramafic Valley and foothill grassland
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	ABPBX1201A	111	G5T2	S2	None	None		DFG_SSC-Species of Special Concern USFWS_BCC -Birds of Conservation Concern	Marsh and swamp
Gratiola heterosepala	Boggs Lake hedge-hyssop	PDSCR0R060	89	G2	S2	None	Endangered	1B.2	BLM_S-Sensitive	Freshwater marsh Marsh and swamp Vernal pool Wetland
Helianthella castanea	Diablo helianthella	PDAST4M020	97	G2	S2	None	None	1B.2	BLM_S-Sensitive	Broadleaved upland forest Chaparral Cismontane woodland Coastal scrub Valley and foothill grassland
Helminthoglypta nickliniana bridgesi	Bridges' coast range shoulderband	IMGASC2362	6	G2T1	S1	None	None		IUCN_DD-Data Deficient	Valley and foothill grassland
Hesperolinon breweri	Brewer's western flax	PDLIN01030	24	G2	S2	None	None	1B.2	BLM_S-Sensitive	Chaparral Cismontane woodland Ultramafic Valley and foothill grassland
Hesperolinon tehamense	Tehama County western flax	PDLIN010C0	51	G2	S2	None	None	1B.3	BLM_S-Sensitive	Chaparral Cismontane woodland Ultramafic
Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	PDMAL0H0R3	170	G4	S2.2	None	None	1B.2		Freshwater marsh Marsh and swamp Wetland
Hydrochara rickseckeri	Ricksecker's water scavenger beetle	IICOL5V010	13	G1G2	S1S2	None	None			Aquatic Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters
Hydroprogne caspia	Caspian tern	ABNNM08020	3	G5	S4	None	None		IUCN_LC-Least Concern USFWS_BCC -Birds of Conservation Concern	
Hypomesus transpacificus	Delta smelt	AFCHB01040	27	G1	S1	Threatened	Endangered		AFS_TH-Threatened IUCN_EN-Endangered	Aquatic Estuary
Icteria virens	yellow-breasted chat	ABPBX24010	84	G5	S3	None	None		DFG_SSC-Species of Special Concern IUCN_LC-Least Concern	Riparian forest Riparian scrub Riparian woodland
Isocoma arguta	Carquinez goldenbush	PDAST57050	14	G1	S1	None	None	1B.1		Valley and foothill grassland
Juglans hindsii	Northern California black walnut	PDJUG02040	5	G1	S1.1	None	None	1B.1		Riparian forest Riparian woodland

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
<i>Lasiurus blossevillii</i>	western red bat	AMACC05060	119	G5	S3?	None	None		DFG_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	Cismontane woodland Lower montane coniferous forest Riparian forest Woodland
<i>Lasiurus cinereus</i>	hoary bat	AMACC05030	235	G5	S4?	None	None		IUCN_LC-Least Concern WBWG_M-Medium Priority	Broadleaved upland forest Cismontane woodland Lower montane coniferous forest North coast coniferous forest
<i>Lasthenia conjugens</i>	Contra Costa goldfields	PDAST5L040	34	G1	S1	Endangered	None	1B.1		Cismontane woodland Valley and foothill grassland Vernal pool Wetland
<i>Laterallus jamaicensis coturniculus</i>	California black rail	ABNME03041	233	G4T1	S1	None	Threatened		ABC_WLBCC-Watch List of Birds of Conservation Concern BLM_S-Sensitive DFG_FP-Fully Protected IUCN_NT-Near Threatened USFWS_BCC-Birds of Conservation Concern	Brackish marsh Freshwater marsh Marsh and swamp Salt marsh Wetland
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	PDFAB250D2	129	G5T2	S2.2	None	None	1B.2		Freshwater marsh Marsh and swamp Wetland
<i>Legenere limosa</i>	legenere	PDCAM0C010	78	G2	S2.2	None	None	1B.1	BLM_S-Sensitive	Vernal pool Wetland
<i>Lepidium latipes</i> var. <i>heckardii</i>	Heckard's pepper-grass	PDBRA1M0K1	14	G4T1	S1.2	None	None	1B.2		Valley and foothill grassland Vernal pool Wetland
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	274	G3	S2S3	Endangered	None		IUCN_EN-Endangered	Valley and foothill grassland Vernal pool Wetland
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon	PDPLM09140	39	G2	S2	None	None	1B.2		Chaparral Cismontane woodland Ultramafic
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	PDAP119030	196	G2	S2	None	Rare	1B.1		Freshwater marsh Marsh and swamp Riparian scrub Wetland
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	PDLIM02090	43	G1	S1	Endangered	Endangered	1B.1		Meadow and seep Valley and foothill grassland Vernal pool Wetland
<i>Limosella subulata</i>	Delta mudwort	PDSCR10050	56	G4?Q	S2.1	None	None	2.1		Brackish marsh Freshwater marsh Marsh and swamp Riparian scrub Wetland
<i>Linderiella occidentalis</i>	California linderiella	ICBRA06010	382	G3	S2S3	None	None		IUCN_NT-Near Threatened	Vernal pool
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	ARADB21031	145	G4T2	S2	Threatened	Threatened			Chaparral Cismontane woodland Coastal scrub Valley and foothill grassland
<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	ABPBXA301K	37	G5T2	S2	None	None		DFG_SSC-Species of Special	Marsh and swamp Wetland

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Melospiza melodia samuelis	San Pablo song sparrow	ABPBXA301W	41	G5T2?	S2?	None	None		Concern USFWS_BCC -Birds of Conservation Concern DFG_SSC-Species of Special Concern USFWS_BCC -Birds of Conservation Concern	Salt marsh
Navarretia leucocephala ssp. bakeri	Baker's navarretia	PDPLM0C0E1	49	G4T2	S2	None	None	1B.1	BLM_S-Sensitive	Cismontane woodland Lower montane coniferous forest Meadow and seep Valley and foothill grassland Vernal pool Wetland
Neostapfia colusana	Colusa grass	PMPOA4C010	59	G2	S2	Threatened	Endangered	1B.1		Vernal pool Wetland
Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	CTT44120CA	21	G1	S1.1	None	None			Vernal pool Wetland
Northern Coastal Salt Marsh	Northern Coastal Salt Marsh	CTT52110CA	53	G3	S3.2	None	None			Marsh and swamp Wetland
Northern Vernal Pool	Northern Vernal Pool	CTT44100CA	20	G2	S2.1	None	None			Vernal pool Wetland
Nyctinomops macrotis	big free-tailed bat	AMACD04020	32	G5	S2	None	None		DFG_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_MH-Medium-High Priority	
Oenothera deltoides ssp. howellii	Antioch Dunes evening-primrose	PDONA0C0B4	9	G5T1	S1	Endangered	Endangered	1B.1		Interior dunes
Oncorhynchus mykiss irideus	steelhead - central California coast DPS	AFCHA0209G	38	G5T2Q	S2	Threatened	None		AFS_TH-Threatened	Aquatic Sacramento/San Joaquin flowing waters
Orcuttia inaequalis	San Joaquin Valley Orcutt grass	PMPOA4G060	47	G1	S1	Threatened	Endangered	1B.1		Vernal pool Wetland
Pandion haliaetus	osprey	ABNKC01010	482	G5	S3	None	None		CDF_S-Sensitive DFG_WL-Watch List IUCN_LC-Least Concern	Riparian forest
Perognathus inornatus inornatus	San Joaquin pocket mouse	AMAFD01061	109	G4T2T3	S2S3	None	None		BLM_S-Sensitive	Coastal scrub Valley and foothill grassland
Plagiobothrys hystriculus	bearded popcornflower	PDBOR0V0H0	12	G1G2	S1S2	None	None	1B.1		Valley and foothill grassland Vernal pool Wetland
Pogonichthys macrolepidotus	Sacramento splittail	AFCJB34020	15	G2	S2	None	None		AFS_VU-Vulnerable DFG_SSC-Species of Special Concern IUCN_EN-Endangered	Aquatic Estuary Freshwater marsh Sacramento/San Joaquin flowing waters
Polygonum marinense	Marin knotweed	PDPGN0L1C0	17	G1Q	S1.1	None	None	3.1		Brackish marsh Marsh and swamp Salt marsh Wetland
Rallus longirostris obsoletus	California clapper rail	ABNME05016	92	G5T1	S1	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern DFG_FP-Fully Protected	Brackish marsh Marsh and swamp Salt marsh Wetland

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Rana boylei	foothill yellow-legged frog	AAABH01050	804	G3	S2S3	None	None		BLM_S-Sensitive DFG_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	Aquatic Chaparral Cismontane woodland Coastal scrub Klamath/North coast flowing waters Lower montane coniferous forest Meadow and seep Riparian forest Riparian woodland Sacramento/San Joaquin flowing waters
Rana draytonii	California red-legged frog	AAABH01022	1327	G4T2T3	S2S3	Threatened	None		DFG_SSC-Species of Special Concern IUCN_VU-Vulnerable	Aquatic Artificial flowing waters Artificial standing waters Freshwater marsh Marsh and swamp Riparian forest Riparian scrub Riparian woodland Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters South coast flowing waters South coast standing waters Wetland
Reithrodontomys raviventris	salt-marsh harvest mouse	AMAFF02040	137	G1G2	S1S2	Endangered	Endangered		DFG_FP-Fully Protected IUCN_EN-Endangered	Marsh and swamp Wetland
Rhynchospora californica	California beaked-rush	PMCYP0N060	9	G1	S1.1	None	None	1B.1	BLM_S-Sensitive	Freshwater marsh Marsh and swamp Meadow and seep Wetland
Riparia riparia	bank swallow	ABPAU08010	268	G5	S2S3	None	Threatened		BLM_S-Sensitive IUCN_LC-Least Concern	Riparian scrub Riparian woodland
Saldula usingeri	Wilbur Springs shorebug	IIHEM07010	4	G1	S1	None	None			Aquatic Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters
Senecio aphanactis	chaparral ragwort	PDAST8H060	35	G3?	S1.2	None	None	2.2		Cismontane woodland Coastal scrub
Serpentine Bunchgrass	Serpentine Bunchgrass	CTT42130CA	22	G2	S2.2	None	None			Valley and foothill grassland
Sidalcea hickmanii ssp. napensis	Napa checkerbloom	PDMAL110A6	2	G1	S1	None	None	1B.1		Chaparral
Sidalcea keckii	Keck's checkerbloom	PDMAL110D0	16	G1	S1	Endangered	None	1B.1	USFS_S-Sensitive	Cismontane woodland Valley and foothill grassland
Sorex ornatus sinuosus	Suisun shrew	AMABA01103	15	G5T1	S1	None	None		DFG_SSC-Species of Special Concern	Marsh and swamp Wetland
Speyeria zerene myrtleae	Myrtle's silverspot	IILEPJ6089	16	G5T1	S1	Endangered	None		XERCES_CI-Critically Imperiled	Coastal dunes
Sternula antillarum browni	California least tern	ABNNM08103	67	G4T2T3Q	S2S3	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern DFG_FP-Fully Protected	Alkali playa Wetland
Stuckenia filiformis	slender-leaved pondweed	PM POT03090	21	G5	S1S2	None	None	2.2		Marsh and swamp Wetland

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Symphotrichum lentum	Suisun Marsh aster	PDASTE8470	169	G2	S2	None	None	1B.2		Brackish marsh Freshwater marsh Marsh and swamp Wetland
Syncaris pacifica	California freshwater shrimp	ICMAL27010	18	G1	S1	Endangered	Endangered		IUCN_EN-Endangered	Aquatic Sacramento/San Joaquin flowing waters
Taxidea taxus	American badger	AMAJF04010	454	G5	S4	None	None		DFG_SSC-Species of Special Concern IUCN_LC-Least Concern	Alkali marsh Alkali playa Alpine Alpine dwarf scrub Bog and fen Brackish marsh Broadleaved upland forest Chaparral Chenopod scrub Cismontane woodland Closed-cone coniferous forest Coastal bluff scrub Coastal dunes Coastal prairie Coastal scrub Desert dunes Desert wash Freshwater marsh Great Basin grassland Great Basin scrub Interior dunes Ione formation Joshua tree woodland Limestone Lower montane coniferous forest Marsh and swamp Meadow and seep Mojavean desert scrub Montane dwarf scrub North coast coniferous forest Oldgrowth Pavement plain Redwood Riparian forest Riparian scrub Riparian woodland Salt marsh Sonoran desert scrub Sonoran thorn woodland Ultramafic Upper montane coniferous forest Upper Sonoran scrub Valley and foothill grassland
Trichostema ruygtii	Napa bluecurls	PDLAM220H0	19	G2	S2	None	None	1B.2		Chaparral Cismontane woodland Lower montane coniferous forest Valley and foothill grassland Vernal pool Wetland
Trifolium amoenum	showy rancheria clover	PDFAB40040	26	G1	S1	Endangered	None	1B.1		Coastal bluff scrub Ultramafic Valley and foothill grassland
Trifolium hydrophilum	saline clover	PDFAB400R5	44	G2	S2	None	None	1B.2		Marsh and swamp Valley and foothill grassland Vernal pool Wetland
Tuctoria mucronata	Crampton's tuctoria or Solano grass	PMPOA6N020	3	G1	S1	Endangered	Endangered	1B.1		Valley and foothill grassland Vernal pool Wetland

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Valley Needlegrass Grassland	Valley Needlegrass Grassland	CTT42110CA	45	G3	S3.1	None	None			Valley and foothill grassland
Viburnum ellipticum	oval-leaved viburnum	PDCPR07080	29	G5	S2.3	None	None	2.3		Chaparral Cismontane woodland Lower montane coniferous forest
Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	9	G5	S3S4	None	None		DFG_SSC- Species of Special Concern IUCN_LC- Least Concern	Marsh and swamp Wetland

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