

## Appendix E Threatened and Endangered Species

Table E-1 Special Status Species in Sacramento County

Scientific Name	Common Name	Federal Status	State Status	CDFW Status	CA Rare Plant Rank
<b>Animals – Amphibians</b>					
<i>Ambystoma californiense</i>	California tiger salamander	Threatened	Threatened	WL	–
<i>Spea hammondi</i>	western spadefoot	None	None	SSC	–
<b>Animals – Birds</b>					
<i>Accipiter cooperii</i>	Cooper's hawk	None	None	WL	–
<i>Aquila chrysaetos</i>	golden eagle	None	None	FP ; WL	–
<i>Buteo regalis</i>	ferruginous hawk	None	None	WL	–
<i>Buteo swainsoni</i>	Swainson's hawk	None	Threatened	–	–
<i>Circus hudsonius</i>	northern harrier	None	None	SSC	–
<i>Elanus leucurus</i>	white-tailed kite	None	None	FP	–
<i>Haliaeetus leucocephalus</i>	bald eagle	Delisted	Endangered	FP	–
<i>Eremophila alpestris actia</i>	California horned lark	None	None	WL	–
<i>Branta butchinsii leucopareia</i>	cackling (=Aleutian Canada) goose	Delisted	None	WL	–
<i>Chaetura vauxi</i>	Vaux's swift	None	None	SSC	–
<i>Ardea alba</i>	great egret	None	None	–	–
<i>Ardea herodias</i>	great blue heron	None	None	–	–
<i>Botaurus lentiginosus</i>	American bittern	None	None	–	–
<i>Egretta thula</i>	snowy egret	None	None	–	–
<i>Ixobrychus exilis</i>	least bittern	None	None	SSC	–
<i>Nycticorax nycticorax</i>	black-crowned night heron	None	None	–	–
<i>Cardinalis cardinalis</i>	northern cardinal	None	None	WL	–
<i>Charadrius montanus</i>	mountain plover	None	None	SSC	–
<i>Pica nuttalli</i>	yellow-billed magpie	None	None	–	–
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	Threatened	Endangered	–	–
<i>Falco columbarius</i>	merlin	None	None	WL	–
<i>Falco mexicanus</i>	prairie falcon	None	None	WL	–
<i>Falco peregrinus anatum</i>	American peregrine falcon	Delisted	Delisted	FP	–
<i>Spinus lawrencei</i>	Lawrence's goldfinch	None	None	–	–
<i>Antigone canadensis canadensis</i>	lesser sandhill crane	None	None	SSC	–
<i>Antigone canadensis tabida</i>	greater sandhill crane	None	Threatened	FP	–
<i>Progne subis</i>	purple martin	None	None	SSC	–

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<i>Riparia riparia</i>	bank swallow	None	Threatened	–	–
<i>Agelaius tricolor</i>	tricolored blackbird	None	Threatened	SSC	–
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	None	None	SSC	–
<i>Icteria virens</i>	yellow-breasted chat	None	None	SSC	–
<i>Lanius ludovicianus</i>	loggerhead shrike	None	None	SSC	–
<i>Chlidonias niger</i>	black tern	None	None	SSC	–
<i>Sternula antillarum browni</i>	California least tern	Endangered	Endangered	FP	–
<i>Pandion haliaetus</i>	osprey	None	None	WL	–
<i>Baeolophus inornatus</i>	oak titmouse	None	None	–	–
<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	None	None	SSC	–
<i>Setophaga petechia</i>	yellow warbler	None	None	SSC	–
<i>Ammodramus savannarum</i>	grasshopper sparrow	None	None	SSC	–
<i>Melospiza melodia</i>	song sparrow (–in Modesto–in population)	None	None	SSC	–
<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	None	None	SSC	–
<i>Spizella breweri</i>	Brewer's sparrow	None	None	–	–
<i>Phalacrocorax auritus</i>	double-crested cormorant	None	None	WL	–
<i>Melanerpes lewis</i>	Lewis' woodpecker	None	None	–	–
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None	Threatened	FP	–
<i>Numenius americanus</i>	long-billed curlew	None	None	WL	–
<i>Asio otus</i>	long-eared owl	None	None	SSC	–
<i>Athene cunicularia</i>	burrowing owl	None	None	SSC	–
<i>Plegadis chibi</i>	white-faced ibis	None	None	WL	–
<i>Selasphorus rufus</i>	rufous hummingbird	None	None	–	–
<i>Empidonax traillii</i>	willow flycatcher	None	Endangered	–	–
<i>Vireo bellii pusillus</i>	least Bell's vireo	Endangered	Endangered	–	–
<b>Animals – Crustaceans</b>					
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Threatened	None	–	–
<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	None	None	–	–
<i>Dumontia oregonensis</i>	hairy water flea	None	None	–	–
<i>Lindleriella occidentalis</i>	California linderiella	None	None	–	–
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	Endangered	None	–	–
<b>Animals – Fish</b>					
<i>Acipenser medirostris</i>	green sturgeon	Threatened	None	SSC	–
<i>Acipenser transmontanus</i>	white sturgeon	None	None	SSC	–

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<i>Archoplites interruptus</i>	Sacramento perch	None	None	SSC	–
<i>Cottus gulosus</i>	riffle sculpin	None	None	SSC	–
<i>Lavinia exilicanda exilicanda</i>	Sacramento hitch	None	None	SSC	–
<i>Mylopharodon conocephalus</i>	hardhead	None	None	SSC	–
<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	None	None	SSC	–
<i>Hysterocarpus traskii traskii</i>	Sacramento–San Joaquin tule perch	None	None	–	–
<i>Hypomesus transpacificus</i>	Delta smelt	Threatened	Endangered	–	–
<i>Spirinchus thaleichthys</i>	longfin smelt	Candidate	Threatened	–	–
<i>Entosphenus tridentatus</i>	Pacific lamprey	None	None	SSC	–
<i>Lampetra ayresii</i>	western river lamprey	None	None	SSC	–
<i>Oncorhynchus mykiss irideus</i> pop. 11	steelhead – Central Valley DPS	Threatened	None	–	–
<i>Oncorhynchus mykiss irideus</i> pop. 8	steelhead – central California coast DPS	Threatened	None	–	–
<i>Oncorhynchus tshawytscha</i> pop. 13	chinook salmon – Central Valley fall / late fall–run ESU	None	None	SSC	–
<i>Oncorhynchus tshawytscha</i> pop. 30	chinook salmon – upper Klamath and Trinity Rivers ESU	Candidate	Candidate Endangered	SSC	–
<i>Oncorhynchus tshawytscha</i> pop. 6	chinook salmon – Central Valley spring–run ESU	Threatened	Threatened	–	–
<i>Oncorhynchus tshawytscha</i> pop. 7	chinook salmon – Sacramento River winter–run ESU	Endangered	Endangered	–	–
<b>Animals – Insects</b>					
<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee	None	None	–	–
<i>Andrena subapasta</i>	An andrenid bee	None	None	–	–
<i>Anthicus sacramento</i>	Sacramento anthicid beetle	None	None	–	–
<i>Bombus crotchii</i>	Crotch bumble bee	None	Candidate Endangered	–	–
<i>Metapogon hurdi</i>	Hurd's metapogon robberfly	None	None	–	–
<i>Cicindela hirticollis abrupta</i>	Sacramento Valley tiger beetle	None	None	–	–
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	Threatened	None	–	–
<i>Hydrochara rickseckeri</i>	Ricksecker's water scavenger beetle	None	None	–	–
<b>Animals – Mammals</b>					
<i>Vulpes vulpes patwin</i>	Sacramento Valley red fox	None	None	–	–
<i>Reithrodontomys raviventris</i>	salt–marsh harvest mouse	Endangered	Endangered	FP	–

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<i>Taxidea taxus</i>	American badger	None	None	SSC	–
<i>Antrozous pallidus</i>	pallid bat	None	None	SSC	–
<i>Lasionycteris noctivagans</i>	silver-haired bat	None	None	–	–
<i>Lasiurus blossevillii</i>	western red bat	None	None	SSC	–
<i>Lasiurus cinereus</i>	hoary bat	None	None	–	–
<i>Myotis ciliolabrum</i>	western small-footed myotis	None	None	–	–
<i>Myotis lucifugus</i>	little brown bat	None	None	–	–
<i>Myotis yumanensis</i>	Yuma myotis	None	None	–	–
<b>Animals – Mollusks</b>					
<i>Margaritifera falcata</i>	western pearlshell	None	None	–	–
<i>Gonidea angulata</i>	western ridged mussel	None	None	–	–
<b>Animals – Reptiles</b>					
<i>Emys marmorata</i>	western pond turtle	None	None	SSC	–
<i>Thamnophis gigas</i>	giant gartersnake	Threatened	Threatened	–	–
<i>Phrynosoma blainvillii</i>	coast horned lizard	None	None	SSC	–
<b>Community – Terrestrial</b>					
–	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None	None	–
–	Coastal Brackish Marsh	Coastal Brackish Marsh	None	None	–
–	Elderberry Savanna	Elderberry Savanna	None	None	–
–	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	None	None	–
–	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	None	None	–
–	Northern Claypan Vernal Pool	Northern Claypan Vernal Pool	None	None	–
–	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	None	None	–
–	Valley Needlegrass Grassland	Valley Needlegrass Grassland	None	None	–
–	Valley Oak Woodland	Valley Oak Woodland	None	None	–

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<b>Plants – Vascular</b>					
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	None	None	–	1B.2
<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock	None	None	–	2B.1
<i>Eryngium pinnatisectum</i>	Tuolumne button-celery	None	None	–	1B.2
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	None	Rare	–	1B.1
<i>Centromadia parryi</i> ssp. <i>rudis</i>	Parry's rough tarplant	None	None	–	4.2
<i>Hesperenax caulescens</i>	hogwallow starfish	None	None	–	4.2
<i>Lasthenia chrysantha</i>	alkali-sink goldfields	None	None	–	1B.1
<i>Lasthenia ferrisiae</i>	Ferris' goldfields	None	None	–	4.2
<i>Senecio hydrophiloides</i>	sweet marsh ragwort	None	None	–	4.2
<i>Symphotrichum lentum</i>	Suisun Marsh aster	None	None	–	1B.2
<i>Cryptantha hooveri</i>	Hoover's cryptantha	None	None	–	1A
<i>Lepidium latipes</i> var. <i>heckardii</i>	Heckard's pepper-grass	None	None	–	1B.2
<i>Brasenia schreberi</i>	watershield	None	None	–	2B.3
<i>Downingia pusilla</i>	dwarf downingia	None	None	–	2B.2
<i>Legenere limosa</i>	legenere	None	None	–	1B.1
<i>Extriplex joaquinana</i>	San Joaquin spearscale	None	None	–	1B.2
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	None	None	–	2B.2
<i>Carex comosa</i>	bristly sedge	None	None	–	2B.1
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	None	None	–	1B.2
<i>Trifolium hydrophilum</i>	saline clover	None	None	–	1B.2
<i>Juncus leiospermus</i> var. <i>ahartii</i>	Ahart's dwarf rush	None	None	–	1B.2
<i>Scutellaria galericulata</i>	marsh skullcap	None	None	–	2B.2
<i>Scutellaria lateriflora</i>	side-flowering skullcap	None	None	–	2B.2
<i>Fritillaria agrestis</i>	stinkbells	None	None	–	4.2
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	None	None	–	1B.2
<i>Clarkia biloba</i> ssp. <i>brandegeae</i>	Brandegge's clarkia	None	None	–	4.2
<i>Oenothera deltooides</i> ssp. <i>howellii</i>	Antioch Dunes evening-primrose	Endangered	Endangered	–	1B.1
<i>Chloropyron molle</i> ssp. <i>molle</i>	soft salty bird's-beak	Endangered	Rare	–	1B.2
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	None	Endangered	–	1B.2
<i>Orcuttia tenuis</i>	slender Orcutt grass	Threatened	Endangered	–	1B.1
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	Endangered	Endangered	–	1B.1
<i>Navarretia eriocephala</i>	hoary navarretia	None	None	–	4.3
<i>Navarretia myersii</i> ssp. <i>myersii</i>	pincushion navarretia	None	None	–	1B.1

Scientific Name	Common Name	Federal Status	State Status	CDFW Status	CA Rare Plant Rank
<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	None	None	–	4.2
<i>Limosella australis</i>	Delta mudwort	None	None	–	2B.1
<i>Brodiaea rosea ssp. vallicola</i>	valley brodiaea	None	None	–	4.2

Sources: California Natural Diversity Database BIOS Viewer Tool

**Federal Status**

Endangered: The classification provided to an animal or plant in danger of extinction within the foreseeable future throughout all or a significant portion of its range.

Threatened: The classification provided to an animal or plant which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.

Proposed Endangered: The classification provided to an animal or plant that is proposed for federal listing as Endangered in the Federal Register under Section 4 of the Endangered Species Act.

Proposed Threatened: The classification provided to an animal or plant that is proposed for federal listing as Threatened in the Federal Register under Section 4 of the Endangered Species Act.

Candidate: The classification provided to an animal or plant that has been studied by the United States Fish and Wildlife Service, and the Service has concluded that it should be proposed for addition to the Federal Endangered and Threatened species list.

None: The plant or animal has no federal status.

Delisted: The plant or animal was previously listed as Endangered or Threatened, but is no longer listed on the Federal Endangered and Threatened species list.

**CDFW Status**

FP: Fully Protected: This classification was the State of California's initial effort to identify and provide additional protection to those animals that were rare or faced possible extinction.

SSC: Species of Special Concern: To this end, the Department has designated certain vertebrate species as "Species of Special Concern" because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction. The goal of designating species as "Species of Special Concern" is to halt or reverse their decline by calling attention to their plight and addressing the issues of concern early enough to secure their long-term viability.

WL: Watch List: Species that were previously designated as "Species of Special Concern" but no longer merit that status, or which do not yet meet SSC criteria, but for which there is concern and a need for additional information to clarify status.

**CA Rare Plant Rank**

1A: Plants presumed extinct in California and rare/extinct elsewhere

1B.1: Plants rare, threatened, or endangered in California and elsewhere; seriously threatened in California

1B.2: Plants rare, threatened, or endangered in California and elsewhere; fairly threatened in California

1B.3: Plants rare, threatened, or endangered in California and elsewhere; not very threatened in California

2A: Plants presumed extirpated in California, but more common elsewhere

2B.1: Plants rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California

2B.2: Plants rare, threatened, or endangered in California, but more common elsewhere; fairly threatened in California

2B.3: Plants rare, threatened, or endangered in California, but more common elsewhere; not very threatened in California

3.1: Plants about which we need more information; seriously threatened in California

3.2: Plants about which we need more information; fairly threatened in California

3.3: Plants about which we need more information; not very threatened in California

4.1: Plants of limited distribution; seriously threatened in California

4.2: Plants of limited distribution; fairly threatened in California

4.3: Plants of limited distribution; not very threatened in California