State of California
The Resources Agency
DEPARTMENT OF FISH AND GAME
Wildlife and Habitat Data Analysis Branch
California Natural Diversity Database

SPECIAL ANIMALS (817 taxa)
July 2005

The California Natural Diversity Database (CNDDB) is a continually refined and updated, computerized inventory of location information on the most rare animals, plants, and natural communities in California. The blueprint used to set up the CNDDB was developed by The Nature Conservancy (TNC) in the early 1970's. The California program was started in 1979. TNC has helped to set up similar programs in all 50 states and a number of foreign countries. Collectively these programs are known as the Natural Heritage Network. The "Heritage Methodology" used by all of these programs sets the standards on the information we gather and the procedures we use. In 1999 TNC and the Natural Heritage Network jointly established an independent organization, the Association for Biodiversity Information (ABI), to achieve their mutual goal of using the wealth of biodiversity information in the Heritage Network to support conservation efforts. In November 2001 ABI changed its name to NatureServe. More information the Natural Heritage Network is available on the NatureServe web site: **http://www.natureserve.org**.

"Special Animals" is a general term that refers to all of the taxa the CNDDB is interested in tracking, regardless of their legal or protection status. These taxa generally fall into one or more of the following categories:

- Officially listed or proposed for listing under the State and/or Federal Endangered Species Acts.
- State or Federal candidate for possible listing.
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act Guidelines. (More information on CEQA is available at **http://ceres.ca.gov/topic/env_law/ceqa/guidelines/**
- Taxa considered by the Department to be a Species of Special Concern (SC)
- Taxa that are biologically rare, very restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring.
- Populations in California that may be on the periphery of a taxon's range, but are threatened with extirpation in California.
- Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands, vernal pools, etc.)
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or non-governmental organization (NGO).

Taxa marked with a "+" to the left of the scientific name are those for which there is location information in the CNDDB Geographic Information System (GIS), as of the date of this list.

Additional information on the CNDDB is available on the Department of Fish and Game web site at: **http:/www.dfg.ca.gov/whdab/html/cnddb.html**.
Additional information on other Department programs is available on the DFG web site: **http://www.dfg.ca.gov.** The Habitat Conservation Planning Branch page: **http://www.dfg.ca.gov/hcpb/species/species.shtml** is a particularly rich source of information including such topics as "Survey Standards and Guidelines", "Threats to Wildlife", "Habitats", and "Plant and Animal Pictures".

Element Occurrence (EO) Definition:

The EO definition refers to the types of information we map. For most animal taxa, the CNDDB is interested in sightings that indicate the presence of a **resident population**. For many birds, however, the CNDDB tracks only nesting locations, (those species are so indicated on the list). It is not necessary to actually locate the nest to confirm breeding status. Any indication of breeding (territorial males, adults carrying nest material, adults carrying food, the presence of newly fledged young, etc.) is acceptable evidence of nesting. For other taxa where we track only a certain part of their range or life history, the area or life stage is indicated on the list.

Mapping Conventions:

Our information is mapped as precisely as possible, based upon the source materials available. Generally, observations/collections within ¼ mile, within continuous habitat, are combined into a single element occurrence (EO).

Taxonomic References and Sources of Additional Information:

We follow the most current published taxonomy. There have been a number of recent taxonomic changes that are reflected in this updated list.

For butterflies we followed the taxonomy used by NatureServe:
http://www.natureserve.org/explorer/

For fish we made changes based on the following:

Moyle, P. B. 2002. Inland Fishes of California. University of California Press.

For reptiles and amphibians, most of these changes are explained and referenced on the Center for North American Herpetology web site: **http://www.cnah.org**. In addition, we made taxonomic changes based on the following papers:

Feldman, C. R. & J. F. Parham. 2002. Molecular Phylogenetics of Emydine Turtles: Taxonomic Revision and the Evolution of Shell Kinesis. Molecular Phylogenetics and Evolution 22(3): 388-398.

Hollingsworth, B. D. 1998. The systematics of chuckwallas (SAUROMALUS) with a phylogenetic analysis of other iguanid lizards. Herpetological Monographs (12):38-191.

Mead, Louise S., David R. Clayton, Richard S. Nauman, Deanna H. Olsen, & Michael E. Pfrender. 2005. Newly Discovered Populations of Salamanders from Siskiyou County, California, Represent a Species Distinct from Plethodon stormi. Herpetologica 61(2): 158-177.

Reeder, T., C. J Cole & H. C. Dessauer. 2002. Phylogenetic Relationships of Whiptail Lizards of the Genus Cnemidophorus (Squamata: Teiidae): A Test of Monophyly, Reevaluation of Karyotypic Evolution, and Review of Hybrid Origins. American Museum Novitates No. 3365. 61pp.

Shaffer, H. Bradley, G. M. Fellers, S. Randal Voss, J. C. Oliver & Gregory B. Pauly. 2004. Species boundaries, phylography and conservation genetics of the red-legged frog (*Rana aurora/draytonii*) complex. Molecular Ecology (2004) 13, 2667-2677.

For mammals we made taxonomic changes based on the following papers:

Baker, R. J., L. C. Bradley, R. D. Bradley, J. W. Dragoo, M. D. Engstrom, R. S. Hoffman, C. A. Jones, F. Reid, D. W. Rice, & C. Jones. 2003. Revised Checklist of North American Mammals North of Mexico, 2003. Museum of Texas Tech University Occasional Papers 229:1-23.

Bean, C. 2003. An Assessment of the Endangerment Status of the Santa Cruz Kangaroo Rat. MS Thesis, San Jose State University.

Best, T. L., R. K. Chesser, D. A. McCullough, & G. D. Baumgardner. 1996. Genic and Morphometric Variation in Kangaroo Rats, Genus *Dipodomys*, from Coastal California. Journal of Mammalogy 77(3):785-800.

Jones, C. A. & C. N. Baxter. 2004. *Thomomys bottae*. Mammalian Species 742:1-14.

Matocq, M. D. 2002. Morphological and Molecular Analysis of a Contact Zone in the *Neotoma fuscipes* complex. Journal of Mammalogy 83(3):866-883.

Patton, J. L. & M. A. Smith. 1990. The Evolutionary Dynamics of the Pocket Gopher *Thomomys bottae*, with Emphasis on California Populations. University of California Publications in Zoology 123:1-161.

CNDDB RANKS:

The CNDDB ranking codes are part of the "Heritage Methodology". It is a shorthand formula that provides information about how rare a taxon is, both throughout its entire range and within California. We use the best information available to assign these ranks and they are changed and refined as new information becomes available. More detailed information on our ranks can be found in Appendix 1.

CALIFORNIA ENDANGERED SPECIES ACT (CESA) LISTING CODES: The listing status of each species is current as of the date of this list. The most current changes in listing status will be found in the list of "Endangered and Threatened Animals of California", which the CNDDB updates and issues quarterly (January, April, July, & October).

SE State-listed as Endangered
ST State-listed as Threatened
SCE State candidate for listing as Endangered
SCT State candidate for listing as Threatened

ENDANGERED SPECIES ACT (ESA) LISTING CODES: The listing status is current as of the date of this list. The most current changes in listing status will be found in the list of "Endangered and Threatened Animals of California", which the CNDDB updates and issues quarterly (January, April, July, & October). Federal listing actions are also available at: **http://www.epa.gov/fedrgstr/EPA-SPECIES/index.html.**
After careful consideration we have removed the USFWS Federal Species of Concern (FSC) designation from this list. The Federal Species of Concern list was not maintained on a statewide basis. The Sacramento field office, with jurisdiction over the central portion of California, maintained a list, but the Ventura, Carlsbad and Arcata offices did not. Therefore, species in the northern and southern parts of the state were not considered. Information on the list maintained by the Sacramento field office is available at: **http://sacramento.fws.gov/es/spp_concern.htm**

FE Federally listed as Endangered
FT Federally listed as Threatened
FPE Federally proposed for listing as Endangered
FPT Federally proposed for listing as Threatened
FPD Federally proposed for delisting
FC Federal candidate species (former Category 1 candidates)
SC Species of Concern – list established by National Marine Fisheries Service (NMFS) effective 15 April 2004

IUCN CODES:

IUCN - The World Conservation Union, through its **Species Survival Commission SSC)** assess, on a global scale, the conservation status of species, subspecies, varieties and even selected subpopulations in order to highlight taxa threatened with extinction, and therefore promote their conservation. The SSC is firmly committed to providing the world

with the most objective, scientifically-based information on the current status of globally threatened biodiversity. The taxa assessed for the IUCN Red List have been evaluated using the **IUCN Red List Categories and Criteria**. Detailed information on the IUCN and the Red List is available at: **http://www.redlist.org/**.

OTHER CODES:

AFS: American Fisheries Society categories of risk for marine, estuarine & diadromous fish stocks. These categories are taken from the paper: Musick, J.T. et al. 2000. "Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). Fisheries 25(11):6-30. Species are categorized as vulnerable, threatened, or endangered, to global extinction. The Status of these organisms was determined by applying risk criteria developed from peer-reviewed knowledge and expert scientific opinion. These criteria are 1) rarity, 2) small range and endemics, 3) specialized habitat requirements, and 4) population resilience to decline. Most stocks face more than one risk factor. Life history limitations and habitat degradation are the two most important risk factors. This paper is available at:
http://www.fisheries.org/html/fisheries/archive/FISHNOV06-30.pdf

Audubon: WatchList: WatchList species are those facing population declines and/or threats such as habitat loss on their breeding and wintering grounds, or with limited geographic ranges. The WatchList is a science-based system that focuses attention on at-risk bird species so that limited resources are spent where they are most needed. More information is available at: **http://www.audubon.org/bird/watchlist/index.html.**

BLM: Sensitive: Bureau of Land Management. BLM Manual §6840 defines sensitive species as"…those species that are (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing my become necessary, or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats." Existing California-BLM policy concerning the designation of sensitive species identifies two conditions that must be met before a species may be considered as BLM sensitive: (1) a significant population of the species must occur on BLM-administered lands, and (2) the potential must exist for improvement of the species' condition through BLM management. The "Sensitive Species" designation is not meant in include federally listed species, proposed species, candidate species or State-listed species. It is BLM policy to provide sensitive species with the same level of protection that is given federal candidate species. The list is available at **http://www5.or.blm.gov/Resources/Special-Status_species/CAIB99-86.htm.**

CDF: Sensitive: California Department of Forestry and Fire Protection. The Board of Forestry classifies as "sensitive species" those species that warrant special protection during timber operations. The list of "sensitive species" is given in §895.1 (Definitions) of the California Forest Practice Rules. The 5Forest Practice Rules are available at:
http://www.fire.ca.gov/ResourceManagement/pdf/2005FPRulebook.pdf#page2

DFG: CSC: California Special Concern species. It is the goal and responsibility of the Department of Fish and Game to maintain viable populations of all native species. 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. Not all “Species of Special Concern” have declined equally; some species may be just starting to decline, while others may have already reached the point where they meet the criteria for listing as a “Threatened” or “Endangered” species under the State and/or Federal Endangered Species Acts. More information is available on the Department’s web site at: **http://www.dfg.ca.gov/hcpb/species/ssc/ssc.shtml**. All of the Species of Special Concern reports are now available on-line:

Birds: **http://www.dfg.ca.gov/hcpb/info/bird_ssc.shtml.**
Mammals: **http://www.dfg.ca.gov/hcpb/info/mammal_ssc.shtml**.
Fish: **http://www.dfg.ca.gov/hcpb/info/fish_ssc.pdf.**
Amphibians & Reptiles: **http://www.dfg.ca.gov/hcpb/info/herp_ssc.pdf**.

DFG: Fully Protected: The classification of Fully Protected was the State's initial effort to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, amphibians and reptiles, birds and mammals. Most of the species on these lists have subsequently been listed under the state and/or federal endangered species acts; white-tailed kite, golden eagle, trumpeter swan, northern elephant seal and ring-tailed cat are the exceptions. The white-tailed kite and the golden eagle are tracked in the CNDDB; the trumpeter swan, northern elephant seal and ring-tailed cat are not.

The Fish and Game Code sections dealing with Fully Protected species state that these species "....may not be taken or possessed at any time and no provision of this code or any other law shall be construed to authorize the issuance of permits or licenses to take any fully protected" species, although take may be authorized for necessary scientific research. This language arguably makes the "Fully Protected" designation the strongest and most restrictive regarding the "take" of these species. In 2003 the code sections dealing with fully protected species were amended to allow the Department to authorize take resulting from recovery activities for state-listed species

More information on Fully Protected species and the take provisions can be found in the Fish and Game Code, (birds at §3511, mammals at §4700, reptiles and amphibians at §5050, and fish at §5515). Additional information on Fully Protected fish can be found in the California Code of Regulations, Title 14, Division 1, Subdivision 1, Chapter 2, Article 4, §5.93. The category of Protected Amphibians and Reptiles in Title 14 has been repealed. The Fish and Game Code is available online at: **http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fgc**. Title 14 of the California Code of Regulations is available at: **http://ccr.oal.ca.gov.**

FS: Sensitive: USDA Forest Service defines sensitive species as those plant and animal species identified by a regional forester that are not listed or proposed for listing the federal Endangered Species Act for which population viability is a concern, as evidenced by

significant current or predicted downward trends in population numbers or density, or significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution. Regional Foresters shall identify sensitive species occurring within the region. The list is available at:
http://www.fs.fed.us/biology/resources/pubs/tes/fs_ss_1dec04.pdf
More information is available at: **http://www.fs.fed.us/r2/nebraska/gpng/sensitive.html.**

FWS: BCC: Fish and Wildlife Service: Birds of Conservation Concern: The goal of the *Birds of Conservation Concern 2002* report is to accurately identify the migratory and non-migratory bird species (beyond those already designated as Federally threatened or endangered) that represent our highest conservation priorities and draw attention to species in need of conservation action. We hope, that by focusing attention on these highest priority species, this report will promote greater study and protection of the habitats and ecological communities upon which these species depend, thereby ensuring the future of healthy avian populations and communities. This report is available at:
http://migratorybirds.fws.gov/reports/BCC02/BCC2002.pdf

USBC Watch List: The United States Bird Conservation Watch List. Includes the Partners in Flight (PIF) Watch List, the United States Shorebird Conservation Plan Watch List, and the Waterbird Conservation for the Americas Watch List. This combined watch list is available through the American Bird Conservancy at:
http://www.abcbirds.org/watchlist/index.htm. Information on Partners in Flight is available at: **http://www.partnersinflight.org/**. Information on the United States Shorebird Conservation Plan is available at: **http://shorebirdplan.fws.gov/ .** Information on the North American Waterbird Conservation Plan is available at:
http://www.pwrc.usgs.gov/nacwcp/testarea/nacwcp/pubs/continentalplan.cfm .

WBWG: High Priority: The Western Bat Working Group is comprised of agencies, organizations and individuals interested in bat research, management and conservation from the 13 western states and provinces. The goals are (1) to facilitate communication among interested parties and reduce risks of species decline or extinction; (2) to provide a mechanism by which current information on bat ecology, distribution and research techniques can be readily accessed; and (3) to develop a forum to discuss conservation strategies, provide technical assistance and encourage education programs. Species designated as "High Priority" are imperiled or are at high risk of imperilment based on available information on distribution, status, ecology and known threats. More information is available at: **http://www.wbwg.org**.

Xerces Society: Red list of pollinators: The Xerces Society is an international non-profit organization dedicated to protecting biological diversity through invertebrate conservation. The Society advocates for invertebrates and their habitats by working with scientists, land managers, educators, and citizens on conservation and education projects. Their core programs focus on endangered species, native pollinators, and watershed health. More information on the Red list of pollinators is available at: **http://www.xerces.org/**

	CNDDB RANK	CESA	ESA	IUCN	OTHER

INVERTEBRATES (365 taxa)

BIVALVIA (clams and mussels)

+*Anodonta californiensis* California floater (mussel)	G3S2?				FS: Sensitive
Anodonta oregonensis Oregon floater (mussel)	G5S?				
Gonidea angulata Western ridged mussel	G3S1S2				
+*Margaritifera falcata* Western pearlshell	G4S2S3?				
Pisidium ultramontanum Fingernail clam	G1S1				FS: Sensitive

GASTROPODA (Snails and slugs)

Algamorda newcombiana Newcomb's littorine snail	G1G2S1S2				
+*Ammonitella yatesi* Tight coin (=Yates' snail)	G1S1			VU/D2	
+*Ancotrema voyanum* Hooded lancetooth	G1				
+*Assiminea infima* Badwater snail	G1S1			VU/B1+2c	
+*Binneya notabilis* Santa Barbara shelled slug (=slug snail)	G1S1			DD	
+*Colligyrus convexus* Canary duskysnail	G1G2S1S2				
+*Eremarionta (=Micrarionta) immaculata* White desertsnail	G1S1			VU/D2	
Eremarionta (=Micrarionta) millepalmarum Thousand Palms desertsnail	G?S?			VU/D2	
+*Eremarionta (=Micrarionta) morongoana* Morongo (=Colorado) Desertsnail	G1G3S1			LRnt	
+*Eremarionta (=Micrarionta) rowelli bakerensis* Baker desertsnail	G1T1S1			DD	
+*Eremarionta (=Micrarionta) rowelli mccoiana* California McCoy snail (=McCoy desertsnail)	G1T1S1			DD	
+*Fontelicella* sp. Deep Springs Fontelicella	G1S1				
Fluminicola seminalis Nugget pebblesnail	G2S1S2				
+*Haliotis cracherodii* Black abalone	G3G4S3		SC[1]	CR/A4e	
Haliotis sorenseni White abalone	G1S1		FE		
+*Haplotrema catalinense* Santa Catalina lancetooth	G1S1				
+*Haplotrema duranti* Durant's snail	G2G3S2S3				

[1] SC refers to the Species of Concern list established by NMFS effective 15 Apr 2004.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Helisoma newberryi* Great Basin rams-horn	G1?S1				FS: Sensitive
+*Helminthoglypta allynsmithi* Merced Canyon shoulderband (snail)	G1S1			VU/D2	
+*Helminthoglypta arrosa monticola* Mountain shoulderband (snail)	G2G3T1S1				
+*Helminthoglypta arrosa pomoensis* Pomo bronze shoulderband (snail)	G2T1S1			DD	
+*Helminthoglypta arrosa williamsi* Williams' bronze shoulderband (snail)	G2T1S1				
+*Helminthoglypta ayresiana sanctaecrucis* Ayer's snail	G1G2T1T2S1S2				
+*Helminthoglypta callistoderma* Kern shoulderband (snail)	G1S1			EN/B1+2c	
Helminthoglypta coelata Mesa shoulderband (snail)	G1S1			VU/B1+2c	
+*Helminthoglypta concolor* Whitefir shoulderband	G1G3S1S3				
Helminthoglypta hertleini Oregon shoulderband	G1S1				
+*Helminthoglypta milleri* Peak shoulderband	G1S1				
+*Helminthoglypta mohaveana* Victorville shoulderband (snail)	G1S1			LRnt	
+*Helminthoglypta nickliniana awania* Nicklin's Peninsula Coast Range shoulderband (snail)	G1T1S1			DD	
+*Helminthoglypta nickliniana bridgesi* Bridges' Coast Range shoulderband (snail)	G2T1S1			DD	
+*Helminthoglypta sequoicola consors* Redwood shoulderband (snail)	G1G2T1S1			DD	
+*Helminthoglypta talmadgei* Trinity shoulderband (snail)	G1G3S1S3				
Helminthoglypta taylori West fork shoulderband	G1S1				
Helminthoglypta traskii Trask shoulderband (snail)	G1G2S1				
+*Helminthoglypta walkeriana* Morro shoulderband (snail)	G1S1		FE	CR/A1ce, B1+2bc	
+ *Hesperarion plumbeus* No common name	G1G3S1S3				
+*Ipnobius robusta* Robust tryonia	G1S1				
+*Juga acutifilosa* Topaz juga	G2S2				FS: Sensitive
Juga chacei Chace juga	G1S1				
+*Juga occata* Scalloped juga	G1S1				FS: Sensitive
Juga orickensis Redwood juga	G2S1S2				
Lanx alta Highcap lanx	G2S1S2				
Lanx klamathensis Scale lanx	G1S1				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Lanx patelloides* Kneecap lanx	G1S1				
Megomphix californicus Natural Bridge megomphix	G1G2S1S2				
+*Micrarionta facta* Santa Barbara islandsnail	G1G2S1S2			VU/D2	
+*Micrarionta feralis* San Nicolas islandsnail	G1S1			CR/B1+2d	
+*Micrarionta gabbi* San Clemente islandsnail	G1S1			VU/D2	
+*Micrarionta opuntia* Pricklypear islandsnail	G1S1			VU/D2	
Monadenia callipeplus Downy sideband	G1G2S1S2				
Monadenia chaceana Siskiyou sideband	G2S2				
Monadenia churchi Klamath sideband	G2S2				
+*Monadenia circumcarinata* Keeled sideband (snail)	G1S1			VU/D2	BLM: Sensitive
Monadenia cristulata Crested sideband	G1G2S1S2				
Monadenia fidelis leonina No common name	G4G5T2S1S2				
+*Monadenia fidelis pronotis* Rocky coast Pacific sideband (= Rocky coast sideband)	G4G5T1S1			DD	
Monadenia infumata ochromphalus No common name	G1G2T1S1				
Monadenia marmarotis Marble sideband	G?S?				
+*Monadenia mormonum buttoni* Button's Sierra sideband (snail)	G1G2T1S1			DD	
+*Monadenia mormonum hirsuta* Hirsute Sierra sideband (snail)	G1G2T1S1			DD	BLM: Sensitive
+*Monadenia setosa* Trinity bristle snail	G2S2	ST		VU/D2	
+*Monadenia troglodytes* Shasta sideband (snail)	G1G2S1S2			DD	FS: Sensitive
+*Monadenia tuolumneana* Tuolumne sideband (snail)	G1S1				
+*Monadenia yosemitensis* Yosemite mariposa sideband (snail)	G1S1				
Noyo intersessa Tenmile shoulderband	G2S1S2				
Pomatiopsis binneyi Robust walker	G1S1				
Pomatiopsis californica Pacific walker	G1S1				
Pomatiopsis chacei Marsh walker	G1S1				
+*Pristiloma shepardae* Shepard's snail	G1S1				
+*Pristinicola hemphilli* Pristine pyrg	G3S1				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
Punctum hannai Trinity spot	G1S1				
+*Pyrgulopsis aardahli* Benton Valley (=Aahrdahl's) springsnail	G1S1				
Pyrgulopsis archimedis Archimedes pyrg	G1S1				
Pyrgulopsis cinerana Ash Valley pyrg	G1G2S1S2				
+*Pyrgulopsis diablensis* Diablo Range pyrg	G1S1				
Pyrgulopsis eremica Smoke Creek pyrg	G2S2				
Pyrgulopsis falciglans Likely pyrg	G1S1				
+*Pyrgulopsis gibba* Surprise Valley pyrg	G3S2?				
+*Pyrgulopsis greggi* Kern River pyrg	G1S1				
Pyrgulopsis lasseni Willow Creek pyrg	G1G2S1S2				
+*Pyrgulopsis longae* Long Valley pyrg	G1S1				
+*Pyrgulopsis owensensis* Owens Valley springsnail	G1G2S1S2				FS: Sensitive
+*Pyrgulopsis perturbata* Fish Slough springsnail	G1G2S1S2				
Pyrgulopsis rupinicola Sucker Springs pyrg	G1S1				
Pyrgulopsis taylori San Luis Obispo pyrg	G1S1				
Pyrgulopsis ventricosa Clear Lake pyrg	G1S1				
+*Pyrgulopsis wongi* Wong's springsnail	G1G2S1S2				FS: Sensitive
+*Radiocentrum (=Oreohelix) avalonense* Catalina mountainsnail	G1S1			CR/B1+2c	
Rothelix warnerfontis Warner Spring shoulderband	G1S1				
+*Sterkia clementina* San Clemente Island blunt-top snail	G1S1			LRnt	
Trilobopsis roperi Shasta chaparral	G1S1				
Trilobopsis tehamana Tehama chaparral	G1S1				
+*Tryonia imitator* Mimic Tryonia (California brackishwater snail)	G2G3S2S3			DD	
+*Tryonia margae* Grapevine Springs elongate tryonia	G1S1				
+*Tryonia rowlandsi* Grapevine Springs squat tryonia	G1S1				
+*Vespericola karokorum* Karok Hesperian (=Karok Indian snail)	G2G3S2S3			DD	
+*Vespericola marinensis* Marin hesperian	G2G3S2S3				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Vespericola pressleyi* Big bar hesperian	G1S1				
+*Vespericola shasta* Shasta hesperian	G1S1				
Vespericola sierranus Siskiyou hesperian	G2S1S2				
+*Xerarionta intercisa* Horseshoe snail (=Plain cactussnail)	G1S1			VU/D2	
+*Xerarionta redimita* Wreathed cactussnail	G1S1			VU/D2	
Xerarionta tryoni Bicolor cactussnail	G1S1			VU/D2	
ARACHNIDA (Spiders and relatives)					
Aphrastochthonius grubbsi Grubbs' Cave pseudoscorpion	G1G2S1S2				
Archeolarca aalbui *Aalbu's Cave pseudoscorpion*	G1G2S1S2				
+*Banksula californica* No common name	GHSH				
+*Banksula galilei* Galile's cave harvestman	G1S1				
+*Banksula grubbsi* Grubbs' cave harvestman	G1S1				
+*Banksula incredula* Incredible harvestman	G1S1				
+*Banksula martinorum* Martins' cave harvestman	G1S1				
+*Banksula melones* Melones Cave harvestman	G2G3S2			VU/A2c	
+*Banksula rudolphi* Rudolph's cave harvestman	G1S1				
+*Banksula tuolumne* Tuolumne cave harvestman	G1S1				
+*Banksula tutankhamen* King Tut Cave harvestman	G1S1				
+*Calicina arida* No common name	G1S1				
+*Calicina breva* No common name	G1S1				
+*Calcina cloughensis* No common name	G1S1				
+*Calicina conifera* No common name	G1S1				
+*Calicina diminua* Marin blind harvestman	G1S1				
+*Calicina dimorphica* No common name	G1G2?S1S2?				
+*Calicina macula* No common name	G1S1				
+*Calicina mesaensis* Table Mtn harvestman	G1S1				
+*Calicina (=Sitalcina) minor* Edgewood blind harvestman	G1S1				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Calicina piedra* Piedra harvestman	G1G2?S1S2?				
+*Calileptoneta briggsi* Briggs' leptonetid spider	G1S1				
+*Calileptoneta oasa* No common name	G1S1				
+*Calilptoneta ubicki* Ubick's leptonetid spider	G1S1				
+*Calilptoneta wapiti* No common name	G1S1				
+*Fissilicreagris (=Microcreagris) imperialis* Empire Cave pseudoscorpion	G1S1			VU/D2	
Hubbardia idria No common name	G1S1				
+*Hubbardia secoensis* No common name	G1S1				
+*Hubbardia shoshonensis* Shoshone Cave whip-scorpion	G1S1				BLM: Sensitive
+*Larca laceyi* Lacey's Cave pseudoscorpion	G1S1				
+*Meta dolloff* Dolloff Cave spider	G1S1			VU/D2	
+*Microcina edgewoodensis* Edgewood Park micro-blind harvestman	G1S1				
+*Microcina homi* Hom's micro-blind harvestman	G1S1				
+*Microcina jungi* Jung's micro-blind harvestman	G1S1				
+*Microcina leei* Lee's micro-blind harvestman	G1S1				
+*Microcina lumi* Fairmont (=Lum's) micro-blind harvestman	G1S1				
+*Microcina tiburona* Tiburon micro-blind harvestman	G1S1				
+*Neochthonius imperialis* No common name	G1S1				
+*Pseudogarypus orpheus* Music Hall Cave pseudoscorpion	G1S1				
+*Socalchemmis gertschi* Gertsch's socalchemmis spider	G1S1				
+*Socalchemmis icenoglei* Icenogle's socalchemmis spider	G1S1				
+*Socalchemmis monterey* Monterey socalchemmis spider	G1S1				
+*Talanites moodyae* Moody's gnaphosid spider	G1G2S1S2				
+*Talanites ubicki* Ubick's gnaphosid spider	G1S1				
Telema sp. Santa Cruz telemid spider	G1S1				
Texella deserticola Whitewater Canyon harvestman	G1S1				
+*Texella kokoweef* Kokoweef Crystal Cave harvestman	G1S1				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Texella Shoshone* Shoshone Cave harvestman	G1S1				
CRUSTACEA, Order Anostraca (fairy shrimp)					
+*Artemia monica* Mono brine shrimp	G1S1			LRcd	
+*Branchinecta campestris* Pocket pouch fairy shrimp	G4S1				
+*Branchinecta conservatio* Conservancy fairy shrimp	G1S1		FE	EN/A2c	
+*Branchinecta longiantenna* Longhorn fairy shrimp	G1S1		FE	EN/A2c	
+*Branchinecta lynchi* Vernal pool fairy shrimp	G2G3S2S3		FT	VU/A2c	
+*Branchinecta mesovallensis* Midvalley fairy shrimp	G2S2				
+*Branchinecta sandiegonensis* San Diego fairy shrimp	G1S1		FE	EN/A2c	
+*Linderiella occidentalis* California linderiella	G2G3S2S3			LRnt	
+*Linderiella santarosae* Santa Rosa Plateau fairy shrimp	G1G2S1S2				
+*Streptocephalus woottoni* Riverside fairy shrimp	G1S1		FE	EN/A2c	
CRUSTACEA, Order Notostraca (tadpole shrimp)					
+*Lepidurus packardi* Vernal pool tadpole shrimp	G2G3S2S3		FE	VU/A2c	
CRUSTACEA, Order Anomopoda (water fleas)					
+*Dumontia oregonensis* No common name	G1G3S1S3				
CRUSTACEA, Order Isopoda (isopods)					
+*Caecidotea sequoiae* Isopod	G1G2S1S2				
+*Caecidotea tomalensis* Tomales isopod	G2S2				
+*Calasellus californicus* No common name	G2G3S2S3				
+*Calasellus longus* No common name	G1G2S1S2				
CRUSTACEA, Order Amphipoda (amphipods)					
+*Stygobromus gradyi* Grady's Cave amphipod	G1S1			VU/D2	
+*Stygobromus harai* Hara's Cave amphipod	G1G2S1S2			VU/D2	
+*Stygobromus mackenziei* MacKenzie's Cave amphipod	G1G2S1S2			VU/D2	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Stygobromus wengerorum* Wengerors' Cave amphipod	G1G2S1S2			VU/D2	
CRUSTACEA, Order Decapoda (crayfish & shrimp)					
+*Pacifastacus fortis* Shasta crayfish	G1S1	SE	FE	CR/B1+2c	
Pacifastacis leniusculus klamathensis *Klamath crayfish*	G5T5S3				
+*Syncaris pacifica* California freshwater shrimp	G1S1	SE	FE	EN/A1ce	
INSECTA, Order Odonata (dragonflies & damselflies)					
+*Ischnura gemina* San Francisco forktail damselfly	G2S2				
INSECTA, Order Plecoptera (stoneflies)					
+*Capnia lacustra* Lake Tahoe benthic stonefly	G1S1				
+*Megaleuctra sierra* Shirttail Creek stonefly	G1?QS1?				
INSECTA, Order Orthoptera (grasshoppers, katydids, and crickets)					
+*Ammopelmatus kelsoensis* Kelso Jerusalem cricket	G1G3S1S2			VU/B1+2bd	
+*Ammopelmatus muwu* Point Conception Jerusalem cricket	G1?S1?			VU/B1+2bd	
+*Idiostatus kathleenae* Pinnacles shieldback katydid	G1G2S1S2				
+*Idiostatus middlekaufi* Middlekauf's shieldback katydid	G1G2S1			CR/B1+2bd	
+*Macrobaenetes kelsoensis* Kelso giant sand treader cricket	G1S1			VU/B1+2bd	
+*Macrobaenetes valgum* Coachella giant sand treader cricket	G1G2S1S2			VU/B1+2bd	
+*Neduba longipennis* Santa Monica shieldback katydid	G1G2S1S2			CR/B1+2bd	
Pristoceuthophilus sp Samwell Cave cricket	G1G3S1S3			VU/D1+2	
+*Psychomastax deserticola* Desert monkey grasshopper	G1G3S1S2			VU/B1+2bd	
+*Stenopelmatus cahuilaensis* Coachella Valley Jerusalem cricket	G1G2S1S2			VU/B1+2bd	
+*Tetrix sierrana* Sierra pygmy grasshopper	G1G2S1S2			VU/D2	
+*Trimerotropis infantilis* Zayante band-winged grasshopper	G1S1		FE	EN/A1c	
+*Trimerotropis occidentiloides* Santa Monica Mountains Grasshopper	G1G2S1S2			EN/A1c	
+*Trimerotropis occulens* Lompoc Grasshopper	G1G2S1S2			EN/A1c	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
INSECTA, Order Heteroptera (true bugs)					
+Ambrysus funebris Nevares Spring naucorid bug	G1S1		FC		
+*Belostoma saratogae* Saratoga Springs belostoman bug	G1S1				
+*Oravelia pege* Dry Creek cliff strider bug	G1S1				
+*Pelocoris shoshone* Amargosa naucorid bug	G1G3S1S2				
+*Saldula usingeri* Wilber Springs shorebug	G1S1				
INSECTA, Order Neuroptera (lacewings)					
+*Nothochrysa californica* San Francisco lacewing	G1G3S1S3				
+*Oliarces clara* Cheeseweed moth lacewing	G1G3S1S3				
INSECTA, Order Coleoptera (beetles)					
+*Aegialia concinna* Ciervo aegialian scarab beetle	G1S1			VU/D2	BLM: Sensitive
+*Agabus rumppi* Death Valley agabus diving beetle	G1G3S1				
+*Anomala carlsoni* Carlson's dune beetle	G2S2				
+*Anomala hardyorum* Hardy's dune beetle	G2S2				
+*Anthicus sacramento* Sacramento anthicid beetle	G1S1			EN/B1+2c	
+*Atractelmis wawona* Wawona riffle beetle	G1G3S1S2				
+*Chaetarthria leechi* Leech's chaetarthrian water scavenger beetle	G1?S1?				
+*Cicindela gabbii* Gabb's tiger beetle	G4S1				
+*Cicindela hirticollis abrupta* Sacramento Valley tiger beetle	G5THSH				
+*Cicindela hirticollis gravida* *Sandy beach tiger beetle*	G5T4S1				
+*Cicindela latesignata latesignata* Tiger beetle	G4T1T2S1				
+*Cicindela ohlone* Ohlone tiger beetle	G1S1		FE		
+*Cicindela senilis frosti* Tiger beetle	G4T1S1				
+*Cicindela tranquebarica viridissima* Greenest tiger beetle	G5T1S1				
+*Cicindela tranquebarica* ssp. San Joaquin tiger beetle	G5T1S1				
+*Coelus globosus* Globose dune beetle	G1S1			VU/A1c	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Coelus gracilis* San Joaquin dune beetle	G1S1			VU/A1c,D2	BLM: Sensitive
Coenonycha clementina San Clemente Island coenonycha beetle	G1?S1?				
+*Dinacoma caseyi* Casey's June beetle	G1S1				
+*Desmocerus californicus dimorphus* Valley elderberry longhorn beetle	G3T2S2		FT		
+*Dubiraphia brunnescens* Brownish dubiraphian riffle beetle	G1G3S1S3				
+*Dubiraphia giulianii* Giuliani's dubiraphian riffle beetle	G1G3S1S3				
+*Elaphrus viridis* Delta green ground beetle	G1S1		FT	CR/B1+2abc+3a	
+*Glaresis arenata* Kelso Dune glaresis scarab beetle	G1G3S1S3				
+*Hydrochara ricksecker*i Ricksecker's water scavenger beetle	G1G2S1S2				
+*Hydroporus hirsutus* Woolly hydroporus diving beetle	G1G3S1S3				
+*Hydroporus leechi* Leech's skyline diving beetle	G1?S1?				
+*Hydroporus simplex* Simple hydroporus diving beetle	G1?S1?				
+*Hygrotus curvipes* Curved-foot hygrotus diving beetle	G1S1				
+*Hygrotus fontinalis* Travertine band-thigh diving beetle	G1S1				
+*Lichnanthe albipilosa* White sand bear scarab beetle	G1S1				
+*Lichnanthe ursina* Pacific sand bear scarab beetle	G2S2				
+*Lytta hoppingi* Hopping's blister beetle	G1G2S1S2				
Lytta insperata Mojave Desert blister beetle	G1G2S1S2				
+*Lytta moesta* Moestan blister beetle	G2S2				
+*Lytta molesta* Molestan blister beetle	G2S2				
+*Lytta morrisoni* Morrison's blister beetle	G1G2S1S2				
Microcylloepus formicoides No common name	G?S?				
+*Miloderes nelsoni* Nelson's miloderes weevil	G1G3S1S3				
+*Nebria darlingtoni* South Forks ground beetle	G1S1				
+*Nebria gebleri siskiyouensis* Siskiyou ground beetle	G4G5T4S1S3				
+*Nebria sahlbergii triad* Trinity Alps ground beetle	G1G3T1T3S1S3				
+*Necydalis rudei* Rude's longhorn beetle	G1G2S1S2				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
Ochthebius crassalus Wing-shoulder minute moss beetle	G1G3S1S3				
+*Ochthebius recticulus* Wilbur Springs minute moss beetle	G1S1				
+*Onychobaris langei* Lange's El Segundo dune weevil	G1S1				
+*Optioservus canus* Pinnacles optioservus riffle beetle	G1S1				
+*Polyphylla anteronivea* Saline Valley snow-front June beetle	G1S1				
+*Polyphylla barbata* Mount Hermon (=barbate) June beetle	G1S1		FE		
+*Polyphylla erratica* Death Valley June beetle	G1S1				
+*Polyphylla nubila* Atascadero June beetle	G1S1				
+*Pseudocotalpa andrewsi* Andrew's dune scarab (beetle)	G2G3S2S3				
Scaphinotus behrensi (Ground beetle, no common name)	G?S?				
+*Trigonoscuta brunnotesselata* Brown-tassel trigonoscuta weevil	G1G2S1S2				
+*Trigonoscuta dorothea dorothea* Dorothy's El Segundo dune weevil	G1T1S1				
+*Trigonoscuta stantoni* Santa Cruz Island shore weevil	G1?S1?				
+*Trigonoscuta "doyeni"* (manuscript name) Doyen's trigonoscuta dune weevil	G1S1				
INSECTA, Order Mecoptera (scorpionflies)					
+*Orobittacus obscurus* Gold rush hanging scorpionfly	G1S1				
INSECTA, Order Diptera (flies)					
+*Ablautus schlingeri* Oso Flaco robber fly	G1S1				
+*Brennania belkini* Belkin's dune tabanid fly	G1G2S1S2			VU/A2ce	
+*Efferia antiochi* Antioch efferian robberfly	G1G3S1S3				
+*Metapogon hurdi* Hurd's metapogon robberfly	G1G3S1S3				
+*Paracoenia calida* Wilbur Springs shore fly	G1S1				
+*Rhaphiomidas terminatus abdominalis* Delhi Sands flower-loving fly	G1T1S1		FE		
INSECTA, Order Lepidoptera (butterflies & moths)					
+*Adela oplerella* Opler's longhorn moth	G2G3S2S3				
+*Apodemia mormo langei* Lange's metalmark butterfly	G5T1S1		FE		Xerces: Critically imperiled

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Areniscythris brachypteris* Oso Flaco flightless moth	G1S1				
+*Callophrys mossii bayensis* San Bruno elfin butterfly	G3G4T1S1		FE		Xerces: Critically imperiled
+*Callophrys mossii hidakupa* San Gabriel Mountains elfin butterfly	G3G4T1T2S1S2				
+*Callophrys mossii marinensis* Marin Elfin butterfly	G3G4T1S1				
+*Carolella busckana* Busck's gall moth	G1G3SH				
+*Carterocephalus palaemon magnus* Sonoma arctic skipper	G5T1S1				
Cercyonis pegala carsonensis Carson Valley wood nymph butterfly	G5T2S1S2				
+*Chlosyne leanira elegans* Oso Flaco patch checkerspot butterfly	G4G5T1T2S1S2				
+*Coenonympha tullia yontockett* Yontocket satyr butterfly	G5T1S1				
+*Danaus plexippus* (wintering sites) Monarch butterfly	G4S3				
+*Euchloe hyantis andrewsi* Andrew's marble butterfly	G3G4T1S1				
+*Eucosma hennei* Henne's eucosman moth	G1S1				
+*Euphilotes battoides allyni* El Segundo blue butterfly	G5T1S1		FE		Xerces: Critically imperiled
+*Euphilotes battoides comstocki* Comstock's blue butterfly	G5T1T3S1S3				
+*Euphilotes enoptes smithi* Smith's blue butterfly	G5T1T2S1S2		FE		Xerces: Critically imperiled
+*Euphydryas editha bayensis* Bay checkerspot butterfly	G5T1S1		FT		Xerces: Critically imperiled
Euphydryas editha monoensis Mono checkerspot butterfly	G5T3?SX				
+*Euphydryas editha quino* Quino checkerspot butterfly	G5T1S1		FE		Xerces: Critically imperiled
Euphyes vestris harbisoni Dun skipper	G5T1S1				
+*Euproserpinus euterpe* Kern primrose sphinx moth	G1S1		FT		Xerces: Critically imperiled
+*Glaucopsyche lygdamus paloverdesensis* Palos Verdes blue butterfly	G5T1S1		FE		Xerces: Critically imperiled
+*Hesperia miriamae longaevicola* White Mountains skipper	G2G3T1S1				
Hesperopsis gracielae MacNeill sooty wing skipper	G2G3S1S3				Xerces: Vulnerable
+*Lycaena hermes* Hermes copper butterfly	G1G2S1S2			VU/D2	
Lycaena rubidus incana White Mountains copper butterfly	G5T1S1				
+*Mitoura thornei* Thorne's hairstreak butterfly	G1S1				
+*Panoquina errans* Wandering (=Saltmarsh) skipper	G4G5S1			LRnt	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Philotiella speciosa bohartorum* *Bohart's blue butterfly*	G3T1S1				
+*Plebejus icarioides albihalos* White Mountains icarioides blue butterfly	G5T2?S2?				
+*Plebejus icarioides missionensis* Mission blue butterfly	G5T1S1		FE		Xerces: Critically imperiled
+*Plebejus icarioides moroensis* Morro Bay blue butterfly	G5T1T3S1S3				
+*Plebejus icarioides parapheres* Point Reyes blue butterfly	G5T1S1				
+*Plebegus idas lotis* Lotis blue butterfly	G5T1S1		FE		Xerces: Critically imperiled [2]
+*Plebulina emigdionis* San Emigdio blue butterfly	G2G3S2S3				
+*Plebejus saepiolus albomontanus* White Mountains saepiolus blue butterfly	G5T2S1S2				
+*Plebejus saepiolus aureolus* San Gabriel Mountains blue butterfly	G5T1S1				
+*Polites mardon* Mardon skipper	G2G3S1		FC		Xerces: Imperiled
Polites sabuleti albamontana White Mountains sandhill skipper	G5T2S1S2				
Pseudocopaeodes eunus eunus Alkali (=wandering) skipper	G3G4T1T3S1S3				Xerces: Critically imperiled
Pseudocopaeodes eunus obscurus Carson wandering skipper	G3G4T1S1		FE		
+*Pyrgus ruralis lagunae* Laguna Mountains skipper	G5T1S1		FE		
+*Speyeria adiaste adiaste* Unsilvered fritillary butterfly	G1G2T1S1				
+*Speyeria callippe callippe* Callippe silverspot butterfly	G5T1S1		FE		Xerces: Critically imperiled
Speyeria egleis tehachapina Tehachapi Mountain silverspot butterfly	G5T1T2S1S2				
+*Speyeria nokomis carsonensis* Carson Valley silverspot butterfly	G3T1S1				
+*Speyeria zerene behrensii* Behren's silverspot butterfly	G5T1S1		FE		Xerces: Critically imperiled
+*Speyeria zerene hippolyta* Oregon silverspot butterfly	G5T1S1		FT		Xerces: Critically imperiled
+*Speyeria zerene myrtleae* Myrtle's silverspot butterfly	G5T1S1		FE		Xerces: Critically imperiled
INSECTA, Order Trichoptera (caddisflies)					
+*Cryptochia denningi* Denning's cryptic caddisfly	G1G2SS2				
+*Cryptochia excella* Kings Canyon cryptochian caddisfly	G1G2S1S2				
+*Cryptochia Shasta* Confusion caddisfly	G1G2S1S2				

[2] Xerces list gives name as *Lycaeides idas lotis*

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Desmona bethula* Amphibious caddisfly	G1G3S1S3				
Diplectrona californica California diplectronan caddisfly	G1G3S1S3				
+*Ecclisomyia bilera* King's Creek eccliosomian caddisfly	G1G2S1S2				
+*Farula praelonga* Long-tailed caddisfly	G1G2S1S2				
+*Goeracea oregona* Sagehen Creek goeracean caddisfly	G2S1S2				
+*Lepidostoma ermanae* Cold Spring caddisfly	G1G2S1S2				
+*Limnephilus atercus* Fort Dick limnephilus caddisfly	G2?S1				
+*Neothremma genella* Golden-horned caddisfly	G1?S1?				
Neothremma siskiyou Siskiyou caddisfly	G?S?				
+*Parapsyche extensa* King's Creek parapsyche caddisfly	GHSH				
+*Rhyacophila lineata* Castle Crags rhyacophilan caddisfly	G1G2S1S2				
+*Rhyacophila mosana* Bilobed rhyacophilan caddisfly	G1G2S1S2				
+*Rhyacophila spinata* Spiny rhyacophilan caddisfly	G1G2S1S2				
INSECTA, Order Hymenoptera (ants, bees, & wasps)					
+*Andrena (Diandrena) blennospermatis* No common name	G2S2				
+*Andrena (Diandrena) macswaini* No common name	G1G3S1S3				
+*Andrena (Diandrena) subapasta* No common name	G1G3S1S3				
+*Argochrysis lassenae* No common name	G1S1				
+*Ashmeadiella chumashae* No common name	G2?S2?				
Bombus franklini Franklin's bumblebee	G?S?				Xerces: Critically imperiled
Bombus occidentalis Western bumblebee	G?S?				
+*Ceratochrysis bradleyi* No common name	G1S1				
+*Ceratochrysis gracilis* No common name	G1S1				
Ceratochrysis grisselli No common name	G?S?				
+*Ceratochrysis longimala* No common name	G1S1				
+Ceratochrysis *menkei* No common name	G1S1				
+*Chrysis tularensis* No common name	G1G2S1S2				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Dufourea stagei* No common name	G1?S1?				
+*Eucerceris ruficeps* Redheaded sphecid wasp	G1G2S1S2				
+*Halictus harmonius* No common name	G1S1				Xerces: Critically imperiled
+*Hedychridium argenteum* No common name	G1?S1?				
+*Hedychridium milleri* No common name	G1?S1?				
+*Lasioglossum channelense* No common name	G1S1				
+*Melitta californica* No common name	G?S?				
+*Minymischa ventura* No common name	G1G3S1S3				
+*Myrmosula pacifica* Antioch mutilid wasp	G1S1				
+*Paranomada californica* No common name	G1S1				
+*Parnopes borregoensis* No common name	G1?S1?				
+*Perdita scitula antiochensis* Antioch andrenid bee	G1T1S1				
+*Philanthus nasalis* Antioch sphecid wasp	G1S1				
+*Protodufourea wasbaueri* No common name	G1S1				Xerces: Data deficient
+*Protodufourea zavortinki* No common name	G1S1				
+*Rhopalolemma robertsi* No common name	G1S1				
+*Sphecodogastra antiochensis* No common name	G1S1				Xerces: Critically imperiled
+*Trachusa gummifera* No common name	G1S1				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
FISHES (102 taxa)					
PETROMYZONTIDAE (lampreys)					
Lampetra ayresii River lamprey	G4S4				DFG: CSC
+*Lampetra hubbsi* Kern brook lamprey	G1G2S1S2			LRnt	DFG: CSC
Lampetra richardsoni Western brook lamprey	G4G5S?				
Lampetra similis Klamath River lamprey	G3G4QS3S4				DFG: CSC
Lampetra tridentata Pacific lamprey	G5S?				
+*Lampetra tridentata* ssp. 1 Goose Lake lamprey	G5T1S1				DFG: CSC FS: Sensitive
ACIPENSERIDAE (sturgeon)					
Acipenser medirostris Green sturgeon	G3S1S2		SC[3] FPT[4]	VU/A1ac	DFG: CSC AFS: Endangered
Acipenser transmontanus White sturgeon	G3S2			LC	AFS: Threatened
SALMONIDAE (trout and salmon)					
+*Oncorhynchus clarkii clarkii* Coast cutthroat trout	G4T4S3				DFG: CSC FS: Sensitive
+*Oncorhynchus clarkii henshawi* Lahontan cutthroat trout	G4T3S2		FT		
+*Oncorhynchus clarkii seleniris* Paiute cutthroat trout	G4T1T2S1S2		FT		
+*Oncorhynchus gorbuscha* Pink salmon	G5S1				DFG: CSC
Oncorhynchus keta Chum salmon	G5S1?				DFG: CSC
+*Oncorhynchus kisutch* Coho salmon – Central California ESU[5]	G4S2?	SE[6]	FT[7]		
+*Oncorhynchus kisutch* Coho salmon – So. Oregon/No. Calif. ESU	G4S2?		FT[8]		DFG: CSC
+*Oncorhynchus kisutch* Coho Salmon – Northern California pop.[9]	G4S2?	ST			

[3] SC refers to the Species of Concern list established by NMFS effective 15 Apr 2004. The SC designation refers to the north DPS which includes spawning populations north of the Eel River (inclusive)

[4] The FPT designation refers to the southern DPS which includes all spawing populations south of the Eel River

[5] ESU = Evolutionarily Significant Unit

[6] The State listing is limited to Coho south of San Francisco Bay.

[7] The Federal listing is limited to naturally spawning populations in streams between Punta Gorda, Humboldt County and the San Lorenzo River, Santa Cruz County.

[8] Populations between Cape Blanco, Oregon & Punta Gorda, California.

[9] The Fish and Game Commission determined that the Coho from Punta Gorda to the Oregon border should be listed as Threatened in February 2004. As part of the normal listing process, this determination is currently under review by the Office of Administrative Law. The state listing includes the San Francisco portion of the federal Central California Coast ESU and the northern California portion of the federal So. Oregon/No. Calif. ESU

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Oncorhynchus mykiss aguabonita* Volcano Creek golden trout	G5T1S1				DFG: CSC FS: Sensitive
+*Oncorhynchus mykiss aquilarum* Eagle Lake rainbow trout	G5T1S1				DFG: CSC FS: Sensitive
Oncorhynchus mykiss[10] Steelhead – Klamath Mountains Province ESU[11]	G5S2				DFG:CSC[12] FS: Sensitive
+*Oncorhynchus mykiss* Steelhead – Northern California ESU	G5S2		FT[13]		DFG: CSC[14]
+*Oncorhynchus mykiss* Steelhead – Central California Coast ESU	G5S2		FT[15]		`
+*Oncorhynchus mykiss* Steelhead – South/Central Calif. Coast ESU	G5S2		FT[16]		DFG: CSC[17]
+*Oncorhynchus mykiss* Steelhead – Southern California ESU	G5S2		FE[18]		DFG: CSC[19]
Oncorhynchus mykiss Steelhead – Central Valley ESU	G5S2		FT[20]		
+*Oncorhynchus mykiss* Steelhead – Summer-run[21]	G5QS2				DFG: CSC
Oncorhynchus mykiss gilberti Kern River rainbow trout	G5T1T2QS1S2				DFG: CSC
+*Oncorhynchus mykiss whitei* Little Kern golden trout	G5T2QS2		FT		
+*Oncorhynchus mykiss* ssp. 1 Goose Lake redband trout	G5T2QS1				DFG: CSC FS: Sensitive
+*Oncorhynchus mykiss* ssp. 2 McCloud River redband trout	G5T1T2QS1S2				DFG: CSC FS: Sensitive
Oncorhynchus mykiss ssp. 3 Warner Valley redband trout	G5T2QS1?				FS: Sensitive
+*Oncorhynchus tshawytscha* Chinook salmon – Spring-run	G5S1	ST	FT[22]		
Oncorhynchus tshawytscha Chinook salmon –Spring-run-Klamath-Trinity pop.	G5S1S2				DFG: CSC FS: Sensitive
Oncorhynchus tshawytscha Chinook salmon – Central Valley fall/late fall-run[23]	G5S2?		SC		DFG: CSC FS: Sensitive

[10] All California steelhead belong to the subspecies *O .m .irideus.*

[11] This ESU includes all naturally spawned populations residing in streams between the Elk River in Oregon and the Klamath River in California, inclusive.

[12] CSC refers to California portion of ESU & refers only to the summer-run.

[13] Naturally spawned populations residing below impassable barriers in coastal basins from Redwood Creek in Humboldt County to, and including, the Gualala River in Mendocino County.

[14] CSC refers only to the summer-run.

[15] Federal listing includes all runs in coastal basins from the Russian River in Sonoma Co, south to Soquel Creek in Santa Cruz Co, inclusive. Includes the San Francisco and San Pablo Bay basins, but excludes the Sacramento-San Joaquin River basins.

[16] Federal listing includes all runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.

[17] CSC refers to southern steelhead trout.

[18] Coastal basins from the Santa Maria River (inclusive), south to the U.S. – Mexico Border.

[19] CSC refers to southern steelhead trout.

[20] Federal listing includes all runs in the Sacramento & San Joaquin Rivers and their tributaries.

[21] Summer-run steelhead are part of both the Klamath Mountains Province ESU & the Northern California ESU.

[22] Federal listing refers to the Central Valley Spring-run ESU. It includes populations spawning in the Sacramento River & its tributaries.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
Oncorhynchus tshawytscha Chinook salmon – California coastal ESU	G5S1		FT[24]		
+*Oncorhynchus tshawytscha* Chinook salmon – Winter-run	G5S1	SE	FE		
Prosopium williamsoni Mountain whitefish	G5S?				
+*Salvelinus confluentus* Bull trout	G3SX	SE	FT	VU/A2e	
OSMERIDAE (smelt)					
+*Hypomesus transpacificus* Delta smelt	G1S1	ST	FT	EN/B1+2cd	AFS: Threatened
Spirinchus thaleichthys Longfin smelt	G5S1				DFG: CSC AFS: Threatened
Thaleichthys pacificus Eulachon	G5S3				DFG: CSC AFS: Threatened
CYPRINIDAE (minnows and carp)					
+*Gila bicolor mohavensis* Mohave tui chub	G4T1S1	SE	FE		DFG: Fully protected
Gila bicolor pectinifer Lahontan Lake tui chub	G4T3S1S2				DFG: CSC FS: Sensitive
+*Gila bicolor snyderi* Owens tui chub	G4T1S1	SE	FE		
+*Gila bicolor thalassina* Goose Lake tui chub	G4T2S1				DFG: CSC FS: Sensitive
+*Gila bicolor vaccaceps* Cowhead Lake tui chub	G4T1S1		FPE		DFG: CSC
+*Gila bicolor* ssp. 1 Eagle Lake tui chub	G4T1S1				DFG: CSC
+*Gila bicolor* ssp. 2 High Rock Springs tui chub	G4TXSX				DFG: CSC
Gila bicolor ssp 3 Pit River tui chub	G4T?S?				
+*Gila coerulea* Blue chub	G3S2S3				DFG: CSC
+*Gila elegans* Bonytail	G1S1	SE	FE	EN/B1+2ac	
+*Gila orcutti* Arroyo chub	G2S2				DFG: CSC FS: Sensitive
Lavinia exilicauda chi Clear Lake hitch	G5T2S2				DFG: CSC FS: Sensitive
Lavinia exilicauda exilicauda Central Valley hitch	G5T?S?				
Lavinia exilicauda harengus Pajaro/Salinas hitch	G5QT?S?				

[23] Central Valley fall/late fall-run ESU refers to population spawning in the Sacramento & San Joaquin Rivers and their tributaries.

[24] Originally proposed as part of a larger Southern Oregon & California Coastal ESU. This new ESU was revised to include only naturally spawned coastal spring & fall Chinook salmon between Redwood Creek in Humboldt County & the Russian River in Sonoma County.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Lavinia symmetricus mitrulus* Pit roach	G5T3S2				DFG: CSC
+*Lavinia symmetricus navarroensis* Navarro roach	G5T1T2S1S2				DFG: CSC
+*Lavinia symmetricus parvipinnis* Gualala roach	G5T1T2S1S2				DFG: CSC
+*Lavinia symmetricus subditus* Monterey roach	G5T2T3S2S3				DFG: CSC
+*Lavinia symmetricus* ssp. 1[25] San Joaquin roach	G5T3QS3				DFG: CSC
+*Lavinia symmetricus* ssp. 2 Tomales roach	G5T2T3S2S3				DFG: CSC
+*Lavinia symmetricus* ssp. 3 Red Hills roach	G5T1S1				DFG: CSC BLM: Sensitive
Lavinia symmetricus ssp. 4 Clear Lake – Russian River roach	G5T?S?				
+*Mylopharodon conocephalus* Hardhead	G3S3				DFG: CSC FS: Sensitive
+*Pogonichthys macrolepidotus* Sacramento splittail	G2S2			EN/A1c	DFG: CSC
+*Ptychocheilus lucius* Colorado pikeminnow	G1SX	SE	FE	VU/D2	DFG: Fully protected
+*Rhinichthys osculus* ssp. 1[26] Amargosa Canyon Speckled dace	G5T1S1				DFG: CSC BLM: Sensitive
+*Rhinichthys osculus* ssp. 2[27] Owens speckled dace	G5T1T2QS1S2				DFG: CSC
+*Rhinichthys osculus* ssp. 3 Santa Ana Speckled dace	G5T1S1				DFG: CSC FS: Sensitive
Rhinichthys osculus ssp. 5 Long Valley speckled dace	G5T1S1				
CATOSTOMIDAE (suckers)					
+*Catostomus fumeiventris* Owens sucker	G3S3				DFG: CSC
+*Catostomus latipinnis* Flannelmouth sucker	G3G4S1				
+*Catostomus microps* Modoc sucker	G1S1	SE	FE	EN/B1+2c, C1	DFG: Fully protected
+*Catostomus occidentalis lacusanserinus* Goose Lake sucker	G5T2T3QS1				DFG: CSC FS: Sensitive
Catostomus platyrhynchus Mountain sucker	G5S2S3				DFG: CSC
Catostomus rimiculus ssp. 1 Jenny Creek sucker	G5T2QS1				
+*Catostomus santaanae* Santa Ana sucker	G1S1		FT	VU/B1+2c,D2	DFG: CSC FS: Sensitive

[25] Current taxonomy considers this taxon to be a population of *Lavinia symmetricus symmetricus* the Sacramento-San Joaquin roach.
[26] Current taxonomy considers this taxon to be a distinct population of *Rhinichthys osculus nevadensis*
[27] Current taxonomy includes the Benton Valley speckled dace (formerly ssp 4) with the Owens speckled dace

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Catostomus snyderi* Klamath largescale sucker	G3S2			LRnt	DFG: CSC
+*Chasmistes brevirostris* Shortnose sucker	G1S1	SE	FE	EN/B1+2c	DFG: Fully protected
+*Deltistes luxatus* Lost River sucker	G1S1	SE	FE	EN/B1+2cd	DFG: Fully protected
+*Xyrauchen texanus* Razorback sucker	G1S1	SE	FE	EN/A1bc	DFG: Fully protected
CYPRINODONTIDAE (killifishes)					
+*Cyprinodon macularius* Desert pupfish	G1S1	SE	FE		
+*Cyprinodon nevadensis amargosae* Amargosa pupfish	G2T1S1				DFG: CSC BLM: Sensitive
+*Cyprinodon nevadensis nevadensis* Saratoga Springs pupfish	G2T1S1				DFG: CSC
+*Cyprinodon nevadensis shoshone* Shoshone pupfish	G2T1S1				DFG: CSC
+*Cyprinodon radiosus* Owens pupfish	G1S1	SE	FE	EN/A2ce	DFG: Fully protected
+*Cyprinodon salinus milleri* Cottonball Marsh pupfish	G1T1S1	ST			
+*Cyprinodon salinus salinus* Salt Creek pupfish	G1T1S1				DFG: CSC
GASTEROSTEIDAE (sticklebacks)					
+*Gasterosteus aculeatus williamsoni* Unarmored threespine stickleback	G5T1S1	SE	FE	LC (full species)	DFG: Fully protected FS:Sensitive (full species)
Gasterosteus aculeatus santaannae Santa Ana (=Shay Cr) threespine stickleback	G5T1QS1				FS:Sensitive (full species)
Gasterosteus aculeatus microcephalus (south of Pt. Conception) Resident three-spine stickleback[28]	G5T?S?				FS:Sensitive (full species)
PERCICHTHYIDAE (temperate basses)					
Stereolepis gigas Giant sea bass	G3?S1S2			CR/A1bd	AFS: Vulnerable
CENTRARCHIDAE (sunfishes)					
+*Archoplites interruptus* (within native range) Sacramento perch	G3S1				DFG: CSC
EMBIOTOCIDAE (surfperches)					
Hysterocarpus traski lagunae Clear Lake tule perch	G5T?S?				

[28] This name covers isolated populations found in many coastal streams. It represents a polyphyletic group of fish, not a classic interbreeding subspecies.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Hysterocarpus traski pomo* Russian River tule perch	G5T2S2				DFG: CSC
Hysterocarpus traski traski Sacramento-San Joaquin tule perch	G5T?S?				
GOBIIDAE (gobies)					
+*Eucyclogobius newberryi* Tidewater goby	G3S2S3		FE	VU/A1c+2c	DFG: CSC AFS: Endangered
COTTIDAE (sculpins)					
+*Cottus asperrimus* Rough sculpin	G2S2	ST		VU/D2	DFG: Fully protected
Cottus gulosus Riffle sculpin	G5S?				
Cottus klamathensis klamathensis Upper Klamath marbled sculpin	G4S?				
+*Cottus klamathensis macrops* Bigeye marbled sculpin	G4T3S3				DFG: CSC
Cottus klamathensis polyporus Lower Klamath marbled sculpin	G4S?				
Cottus perplexus Reticulate sculpin	G4S2S3				DFG: CSC

	CNDDB RANK	CESA	ESA	IUCN	OTHER

AMPHIBIANS (40 taxa)

AMBYSTOMATIDAE (mole salamanders)

+*Ambystoma macrodactylum croceum* Santa Cruz long-toed salamander	G5T1S1	SE	FE		DFG: Fully protected
+*Ambystoma californiense* California tiger salamander	G2G3S2S3		FT	VU/A2c	DFG: CSC

RHYACOTRITONIDAE (Olympic salamanders)

+*Rhyacotriton variegatus* Southern torrent salamander	G3G4S2S3			LC	DFG: CSC FS: Sensitive

SALAMANDRIDAE (newts)

+*Taricha torosa torosa* Coast Range newt (Monterey Co. south only)	G5T4S4				DFG: CSC

PLETHODONTIDAE (lungless salamanders)

+*Batrachoseps major aridus* Desert slender salamander	G4T1S1	SE	FE	CR/A2cd	
+*Batrachoseps campi* Inyo Mountains slender salamander	G2S2			EN/B1ab(iii, v)+2ab (iii,v)	DFG: CSC FS: Sensitive BLM: Sensitive
Batrachoseps diabolicus Hell Hollow slender salamander	G2S2			DD	
+*Batrachoseps gabrieli* San Gabriel slender salamander	G2S2			DD	FS: Sensitive
Batrachoseps kawia Sequoia slender salamander	G1G2S1S2			DD	
+*Batrachoseps pacificus pacificus* Channel Islands slender salamander	G3QT2S2			LC (full species)	
Batrachoseps regius Kings River slender salamander	G1S1			VU/D2	
Batrachoseps relictus Relictual slender salamander	G2S2			DD	DFG: CSC FS: Sensitive
+*Batrachoseps robustus* Kern Plateau salamander	G2S2			NT	FS: Sensitive
+*Batrachoseps simatus* Kern Canyon slender salamander	G2S2	ST		VU/D2	FS: Sensitive
+*Batrachoseps stebbinsi* Tehachapi slender salamander	G2S2	ST		VU/D2	FS: Sensitive BLM: Sensitive
+*Batrachoseps* sp. 1 Breckenridge Mountain slender salamander	G1QS1				DFG: CSC FS: Sensitive
+*Ensatina eschscholtzi croceator* Yellow-blotched salamander	G5T2T3S2S3			LC (full species)	DFG: CSC FS: Sensitive BLM: Sensitive
+*Ensatina klauberi* Large-blotched salamander	G5S2S3				DFG: CSC FS: Sensitive

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Hydromantes brunus* Limestone salamander	G1S1	ST		VU/D2	DFG: Fully protected FS: Sensitive
+*Hydromantes platycephalus* Mount Lyell salamander	G3S3			LC	DFG: CSC
+*Hydromantes shastae* Shasta salamander	G1G2S1S2	ST		VU/D2	FS: Sensitive
+*Hydromantes* sp. 1 Owens Valley web-toed salamander (AKA Oak Creek salamander)	G1QS1				DFG: CSC
Plethodon asupak[29] Scott River salamander	G1?S1?				
+*Plethodon elongatus* Del Norte salamander	G3S3			LR/NT	DFG: CSC
+*Plethodon stormi* Siskiyou Mountains salamander	G2G3S1S2	ST		EN/B1ab(iii)	FS: Sensitive
ASCAPHIDAE (tailed frogs)					
+*Ascaphus truei* Western tailed frog	G4S2S3			LC	DFG: CSC
SCAPHIOPODIDAE (spadefoot toads)					
+*Scaphiopus couchii* Couch's spadefoot	G5S2S3			LC	DFG: CSC BLM: Sensitive
+*Spea (=Scaphiopus) hammondii* Western spadefoot	G3S3			LR/NT	DFG: CSC BLM: Sensitive
BUFONIDAE (true toads)					
+*Bufo alvarius* Colorado River toad	G5SH			LC	DFG: CSC
+*Bufo canorus* Yosemite toad	G1G2S1S2		FC	EN/A2ae,	DFG: CSC FS: Sensitive
+*Bufo exsul* Black toad	G1QS1	ST		VU/D2	DFG: Fully protected
+*Bufo californicus*[30] Arroyo toad	G2G3S2S3		FE	EN/A2ac	DFG: CSC
RANIDAE					
+*Rana aurora aurora*[31] Northern red-legged frog	G4T4S2?			LR/NT	DFG: CSC FS: Sensitive
+*Rana aurora draytonii*[32] California red-legged frog	G4T2T3S2S3		FT[33]	LR/NT	DFG: CSC

[29] Newly described species from what was part of the range of *Plethodon stormi*.

[30] Formerly *Bufo microscaphus californicus*, now considered a full species.

[31] A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap.

[32] A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap, and that the range of *draytonii* extends about 100km further north in coastal California than previously thought.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Rana boylii* Foothill yellow-legged frog	G3S2S3			LR/NT	DFG: CSC FS: Sensitive BLM: Sensitive
+*Rana cascadae* Cascades frog	G3G4S3			LR/NT	DFG: CSC FS: Sensitive
+*Rana muscosa* Mountain yellow-legged frog	G2S2		FE[34] FC[35]	VU/A2ace	DFG: CSC FS: Sensitive
+*Rana pipiens* Northern leopard frog	G5S2			LC	DFG: CSC FS: Sensitive
+*Rana pretiosa* Oregon spotted frog	G2S1		FC	VU/A2ace	DFG: CSC FS: Sensitive
Rana yavapaiensis Lowland (=Yavapai, San Sebastian & San Felipe) leopard frog	G4SX			LC	DFG: CSC BLM: Sensitive

[33] Federal listing does not include Humboldt, Trinity, & Mendocino Counties; Glenn, Lake & Sonoma Counties west of the Central Valley Hydrologic Basin; Sonoma & Marin Counties north and west of the Napa River, Sonoma Creek & Petaluma River drainages which flow into San Francisco Bay, & north of the Walker Creek drainage which flows to the Pacific Ocean.

[34] Federal listing refers to populations in the San Gabriel, San Jacinto & San Bernardino Mountains only.

[35] Federal candidate status refers to all populations that occur north of the Tehachapi Mountains in the Sierra Nevada

	CNDDB RANK	CESA	ESA	IUCN	OTHER
REPTILES (43 taxa)					
KINOSTERNIDAE (musk and mud turtles)					
Kinosternon sonoriense Sonoran mud turtle	G4SH			VU/A1c	DFG: CSC
EMYDIDAE (Box and water turtles)					
+*Emys (=Clemmys) marmorata* Western pond turtle	G3G4S3			VU/A1cd	DFG: CSC
+*Emys (=Clemmys) marmorata marmorata* Northwestern pond turtle	G3G4T3S3				DFG: CSC FS: Sensitive
+*Emys (=Clemmys) marmorata pallida* Southwestern pond turtle	G3G4T2T3S2				DFG: CSC FS: Sensitive BLM: Sensitive
TESTUDINIDAE (land tortoises)					
+*Gopherus agassizii* Desert tortoise	G4S2	ST	FT	VU/A1acde +2cde, E	
GEKKONIDAE (geckos)					
+*Coleonyx switaki* Barefoot gecko	G4S1	ST			
+*Coleonyx variegatus abbotti* San Diego banded gecko	G5T3T4S2S3				
IGUANIDAE (iguanids)					
+*Sauromalus ater* Chuckwalla	G5S4				
CROTAPHYTIDAE					
+*Gambelia sila* Blunt-nosed leopard lizard	G1S1	SE	FE	EN/A1ce	DFG: Fully protected
PHRYNOSOMATIDAE					
+*Phrynosoma coronatum* Coast horned lizard (blainvillii population)	G4T3T4S2S3				DFG: CSC FS: Sensitive
+*Phrynosoma coronatum* Coast horned lizard (frontale population)	G4T3T4S3S4				DFG: CSC BLM: Sensitive
+*Phrynosoma mcallii* Flat-tailed horned lizard	G3S2				DFG: CSC BLM: Sensitive FS: Sensitive
+*Sceloporus graciosus graciosus* Northern sagebrush lizard	G5T5S3				BLM: Sensitive
+*Uma inornata* Coachella Valley fringe-toed lizard	G1S1	SE	FT	EN/A1a, B1+2c	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Uma notata* Colorado Desert fringe-toed lizard	G3QS2?				DFG: CSC BLM: Sensitive
Uma scoparia Mojave fringe-toed lizard	G3G4QS3S4				DFG: CSC BLM: Sensitive
XANTUSIIDAE (night lizards)					
Xantusia gracilis Sandstone night lizard	G1S1				DFG: CSC
+*Xantusia riversiana* Island night lizard	G1S1		FT	VU/D2	
Xantusia vigilis sierrae Sierra night lizard	G5T1S1				DFG: CSC FS: Sensitive
SCINCIDAE (skinks)					
+*Eumeces skiltonianus interparietalis* Coronado skink	G5T2T3QS1S2				DFG: CSC BLM: Sensitive
TEIIDAE (whiptails and relatives)					
+*Aspidoscelis hyperythra beldingi* Beldings orange-throated whiptail	G5T2S2			DD (full species)	DFG: CSC
+*Aspidoscelis tigris stejnegeri* Coastal western whiptail	G5T3T4S2S3				
ANGUIDAE (alligator lizards)					
+*Elgaria (=Gerrhonotus) panamintina* Panamint alligator lizard	G1G2S1S2			VU/D2	DFG: CSC FS: Sensitive BLM: Sensitive
ANNIELLIDAE (Legless lizards)					
+*Anniella pulchra pulchra* Silvery legless lizard	G3G4T3T4QS3				DFG: CSC FS: Sensitive (full species)
+*Anniella pulchra nigra* Black legless lizard	G3G4T2T3QS2				DFG: CSC FS: Sensitive (full species)
HELODERMATIDAE (venomous lizards)					
+*Heloderma suspectum cinctum* Banded gila monster (population west of Colorado River)	G4T4S1			VU/A2cd (full species)	DFG: CSC BLM: Sensitive (full species)
BOIDAE (boas)					
+*Charina umbratica* Southern rubber boa	G5S2S3	ST			FS: Sensitive
+*Charina trivirgata* Rosy boa	G4G5S3S4				BLM: Sensitive FS: Sensitive (ssp. *Roseofusca*)

	CNDDB RANK	CESA	ESA	IUCN	OTHER
COLUBRIDAE (egg-laying snakes)					
Bogertiphis rosaliae Baja California rat snake	G4S1				DFG: CSC
+*Diadophis punctatus modestus* San Bernardino ringneck snake	G5T2T3S2?				FS: Sensitive
+*Diadophis punctatus similis* San Diego ringneck snake	G5T2T3S2?				FS: Sensitive
+*Lampropeltis zonata* California mountain kingsnake (San Bernardino population)	G4G5S2?				DFG: CSC FS: Sensitive
+*Lampropeltis zonata* California mountain kingsnake (San Diego population)	G4G5S1S2				DFG: CSC FS: Sensitive
+*Masticophis flagellum ruddocki* San Joaquin whipsnake	G5T2T3S2?				DFG: CSC
+*Masticophis lateralis euryxanthus* Alameda whipsnake (=striped racer)	G4T2S2	ST	FT		
Pituophis catenifer pumilus Santa Cruz gopher snake	G5T1T2S1?				DFG: CSC
+*Salvadora hexalepis virgultea* Coast patch-nosed snake	G5T3S2S3				DFG: CSC
NATRICIDAE (live-bearing snakes)					
+*Thamnophis gigas* Giant garter snake	G2G3S2S3	ST	FT	VU/A1cde+ 2cde	
+*Thamnophis hammondii* Two-striped garter snake	G3S2			DD	DFG: CSC FS: Sensitive BLM: Sensitive
+*Thamnophis hammondii* ssp. Santa Catalina garter snake	G3T1S1				
+*Thamnophis sirtalis tetrataenia* San Francisco garter snake	G5T2S2	SE	FE		DFG: Fully Protected
Thamnophis sirtalis ssp. South Coast garter snake	G5T1T2S1S2				DFG: CSC
VIPERIIDAE (vipers)					
+*Crotalus ruber ruber* Northern red-diamond rattlesnake	G4T3T4S2?				DFG: CSC

	CNDDB RANK	CESA	ESA	IUCN	OTHER
BIRDS (140 taxa)					
GAVIIDAE (loons)					
Gavia immer (nesting) Common loon	G5S1			LC	DFG: CSC
HYDROBATIDAE (storm petrels)					
+*Oceanodroma furcata* (rookery site) Fork-tailed storm-petrel	G5S1			LC	DFG: CSC
+*Oceanodroma homochroa* (rookery site) Ashy storm-petrel	G2S2			EN/A2bce	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list
+*Oceanodroma melania* (rookery site) Black storm-petrel	G2S1			LC	DFG: CSC USBC: Watch list Audubon: Watch list
PELECANIIDAE (pelicans)					
+*Pelecanus erythrorhynchos* (nesting colony) American white pelican	G3S1			LC	DFG: CSC
+*Pelecanus occidentalis californicus* California brown pelican (nesting colony) and (communal roosts)	G4T3S1S2	SE	FE	LC (full species)	DFG: Fully protected
PHALACROCORACIDAE (cormorants)					
+*Phalacrocorax auritus* (rookery site) Double-crested cormorant	G5S3			LC	DFG: CSC
ARDEIDAE (herons, egrets, and bitterns)					
+*Ardea alba* (rookery) Great egret	G5S4			LC	CDF: Sensitive
+*Ardea herodias* (rookery) Great blue heron	G5S4			LC	CDF: Sensitive
Botaurus lentiginosus American bittern	G4S3			LC	
+*Egretta thula* (rookery) Snowy egret	G5S4			LC	USBC: Watch list
+*Ixobrychius exilis* (nesting) Least bittern	G5S1			LC	DFG: CSC
+*Nycitcorax nycticorax* (rookery) Black-crowned night heron	G5S3			LC	BLM: Sensitive
THRESKIORNITHIDAE (ibises and spoonbills)					
+*Plegadis chihi* (rookery site) White-faced ibis	G5S1			LC	DFG: CSC

	CNDDB RANK	CESA	ESA	IUCN	OTHER
CICONIIDAE (storks)					
Mycteria americana Wood stork	G4S2?			LC	DFG: CSC USBC: Watch list
CATHARTIDAE (New World vultures)					
+*Gymnogyps californianus* California condor	G1S1	SE	FE	CR/C2(i); D	CDF: Sensitive DFG: Fully protected USBC: Watch list Audubon: Watch list
ANATIDAE (ducks, geese, and swans)					
Aythya valisineria (nesting) Canvasback	G5S2?			LC (full species)	
+*Branta canadensis leucopareia* (wintering) Aleutian Canada goose	G5T3S2		Delisted[36]		
Bucephala islandica (nesting) Barrow's goldeneye	G5S1			LC	DFG: CSC
+*Dendrocygna bicolor* (nesting) Fulvous whistling duck	G5S1			LC	DFG: CSC
+*Histrionicus histrionicus* (nesting) Harlequin duck	G4S2			LC	DFG: CSC BLM: Sensitive
ACCIPITRIDAE (hawks, kites, harriers, & eagles)					
+*Accipiter cooperii* (nesting) Cooper's hawk	G5S3			LC	DFG: CSC
+*Accipiter gentilis* (nesting) Northern goshawk	G5S3			LC	DFG: CSC FS: Sensitive CDF: Sensitive
+*Accipiter striatus* (nesting) Sharp-shinned hawk	G5S3			LC	DFG: CSC
+*Aquila chrysaetos* (nesting and wintering) Golden eagle	G5S3			LC	DFG: CSC DFG: Fully protected FWS: BCC CDF: Sensitive BLM: Sensitive
+*Buteo regalis* (wintering) Ferruginous hawk	G4S3S4			LRnt	DFG: CSC Audubon: Watch list FWS: BCC BLM: Sensitive
+*Buteo swainsoni* (nesting) Swainson's hawk	G5S2	ST			FS: Sensitive USBC: Watch list FWS: BCC Audubon: Watch list
+*Circus cyaneus* (nesting) Northern harrier	G5S3			LC	DFG: CSC

[36] Delisted species are monitored for 5 years.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Elanus leucurus* (nesting) White-tailed kite	G5S3				DFG: Fully protected
+*Haliaeetus leucocephalus* (nesting & wintering) Bald eagle	G4S2	SE	FPD FT	LC	CDF: Sensitive DFG: Fully protected
+*Pandion haliaetus* (nesting) Osprey	G5S3			LC	DFG: CSC CDF: Sensitive
Parabuteo unicinctus (nesting) Harris' hawk	G5SH			LC	DFG: CSC Audubon: Watch list
FALCONIDAE (falcons)					
+*Falco columbarius* (wintering) Merlin	G5S3			LC	DFG: CSC
+*Falco mexicanus* (nesting) Prairie falcon	G5S3			LC	DFG: CSC FWS: BCC
+*Falco peregrinus anatum* (nesting) American peregrine falcon	G4T3S2	SE	Delisted[37]	LC (full species)	FWS: BCC (full species) CDF: Sensitive DFG: Fully protected FS: Sensitive
PHASIANIDAE (grouse and ptarmigan)					
Bonasa umbellus Ruffed grouse	G5S4			LC	DFG: CSC
+*Centrocercus urophasianus* (nesting & leks) Greater Sage-grouse	G4S3			LR/NT	DFG: CSC Audubon: Watch list BLM: Sensitive FS: Sensitive
Dendragapus obscurus howardi Mount Pinos blue grouse	G5T?S?				
Tympanuchus phasianellus columbianus Columbian sharp-tailed grouse	G4T3SX			LC (full species)	DFG: CSC
RALLIDAE (rails, coots, and gallinules)					
+*Coturnicops noveboracensis* Yellow rail	G4S1S2			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list
+*Laterallus jamaicensis coturniculus* California black rail	G4T1S1	ST		LR/NT (full species)	USBC: Watch list (full species) DFG: Fully protected Audubon: Watch list (full species) FWS: BCC (full species)
+*Rallus longirostris levipes* Light-footed clapper rail	G5T1T2S1	SE	FE	LC (full species)	DFG: Fully protected USBC: Watch list (full species)

[37] Delisted species are monitored for 5 years.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Rallus longirostris obsoletus* California clapper rail	G5T1S1	SE	FE	LC (full species)	DFG: Fully protected USBC: Watch list (full species)
+*Rallus longirostris yumanensis* Yuma clapper rail	G5T3S1	ST	FE	LC (full species)	DFG: Fully protected USBC: Watch list (full species)
GRUIDAE (cranes)					
+*Grus canadensis tabida* (nesting & wintering) Greater sandhill crane	G5T4S2	ST		LC (full species)	DFG: Fully protected FS: Sensitive
CHARADRIIDAE (plovers and relatives)					
+*Charadrius alexandrinus nivosus* (nesting) Western snowy plover (coastal population)	G4T3S2		FT		DFG: CSC FWS: BCC (full species) USBC: Watch list (full species) Audubon: Watch list (full species)
+*Charadrius montanus* (wintering) Mountain plover	G2S2?			VU/A2bc + 3bc, C1	DFG: CSC USBC: Watch list FWS: BCC Audubon: Watch list
HAEMATOPODIDAE (oystercatchers)					
Haematopus bachmani (nesting) Black oystercatcher	G5S2			LC	USBC: Watch list Audubon: Watch list FWS: BCC
SCOLOPACIDAE (sandpipers and relatives)					
Numenius americanus (nesting) Long-billed curlew	G5S2			LR/NT	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list
LARIDAE (gulls and terns)					
+*Chlidonias niger* (nesting colony) Black tern	G4S2			LC	DFG: CSC
Larus atricilla (nesting colony) Laughing gull	G5SH			LC	DFG: CSC
+*Larus californicus* (nesting colony) California gull	G5S2			LC	DFG: CSC
+*Rynchops niger* (nesting colony) Black skimmer	G5S1S3			LC	DFG: CSC FWS:BCC USBC: Watch list
+*Sterna antillarum browni* (nesting colony) California least tern	G4T2T3S2S3	SE	FE		DFG: Fully protected USBC: Watch list (full species)

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Sterna caspia* (nesting colony) Caspian tern	G5S4			LC	FWS: BCC
Sterna elegans (nesting colony) Elegant tern	G2S1			LR/NT	DFG: CSC FWS:BCC Audubon: Watch list
Sterna forsteri (nesting colony) Forster's tern	G5S4			LC	
+*Sterna nilotica* (nesting colony) Gull-billed tern	G5S1			LC	DFG: CSC FWS: BCC
ALCIDAE (auklets, puffins, and relatives)					
+*Brachyramphus marmoratus* (nesting) Marbled murrelet	G3G4S1	SE	FT	EN/A2bcde +3bcde	CDF: Sensitive USBC: Watch list Audubon: Watch list
+*Cerorhinca monocerata* (nesting colony) Rhinoceros auklet	G5S3			LC	DFG: CSC
+*Fratercula cirrhata* (nesting colony) Tufted puffin	G5S2			LC	DFG: CSC
Ptychoramphus aleuticus (nesting colony) Cassin's auklet	G4S?				FWS: BCC
+*Synthliboramphus hypoleucus* (nesting colony) Xantus's murrelet	G3G4S3	ST[38]	FC	VU/B1+ab (iv,v), C1	DFG: CSC FWS:BCC USBC: Watch list Audubon: Watch list
CUCULIDAE (cuckoos and relatives)					
+*Coccyzus americanus occidentalis* (nesting) Western yellow-billed cuckoo	G5T2S1	SE	FC	LC (full species)	FWS: BCC (full species) FS: Sensitive
STRIGIDAE (owls)					
+*Asio flammeus* (nesting) Short-eared owl	G5S3			LC	DFG: CSC USBC: Watch list Audubon: Watch list
+*Asio otus* (nesting) Long-eared owl	G5S3			LC	DFG: CSC
+*Athene cunicularia* (burrow sites) Burrowing owl (also, wintering observations with or without a burrow in SFO, VEN, SON, MRN, NAP, & SCR counties)	G4S2			LC	DFG: CSC FWS: BCC BLM: Sensitive
+*Micrathene whitneyi* (nesting) Elf owl	G5S1	SE		LC	USBC: Watch list FWS: BCC Audubon: Watch list
Otus flammeolus (nesting) Flammulated owl	G4S?			LC	USBC: Watch list FWS: BCC Audubon: Watch list

[38] The Fish and Game Commission determined that Xantus's murrelet should be listed as a Threatened species. As part of the normal listing process, this decision is currently under review by the Office of Administrative Law.

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	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Strix nebulosa* (nesting) Great gray owl	G5S1	SE		LC	FS: Sensitive CDF: Sensitive
Strix occidentalis caurina[39] Northern spotted owl	G3T3S2S3		FT	LR/NT (full species)	CDF: Sensitive USBC: Watch list (full species) Audubon: Watch list (full species)
Strix occidentalis occidentalis California spotted owl	G3T3S3			LR/NT (full species)	DFG: CSC FS: Sensitive FWS: BCC BLM: Sensitive USBC: Watch list (full species) Audubon: Watch list (full species)
APODIDAE (swifts)					
Chaetura vauxi (nesting) Vaux's swift	G5S3			LC	DFG: CSC
+*Cypseloides niger* (nesting) Black swift	G4S2			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list
TROCHILIDAE (hummingbirds)					
+*Calypte costae* (nesting) Costa's hummingbird	G5S3?			LC	USBC: Watch list Audubon: Watch list
Selasphorus rufus (nesting) Rufous hummingbird	G5S1S2			LC	FWS: BCC USBC: Watch list Audubon: Watch list
Selasphorus sasin (nesting) Allen's hummingbird	G5S?			LC	USBC: Watch list Audubon: Watch list
PICIDAE (woodpeckers)					
+*Colaptes chrysoides* Gilded flicker	G5S1	SE		LC	FWS: BCC Audubon: Watch list
Melanerpes lewis (nesting) Lewis' woodpecker	G4S?			LC	Audubon: Watch list FWS: BCC
+*Melanerpes uropygialis* Gila woodpecker	G5S1S2	SE		LC	FWS: BCC
Picoides albolarvatus (nesting) White-headed woodpecker	G4S?			LC	FWS: BCC USBC: Watch list Audubon: Watch list

[39] All EOs have been removed from the CNDDB. Spotted owl location information is available as a separate data layer from Gordon Gould (ggould@dfg.ca.gov)

	CNDDB RANK	CESA	ESA	IUCN	OTHER
Picoides nuttallii (nesting) Nuttall's woodpecker	G5S?			LC	USBC: Watch list Audubon: Watch list
Sphyrapicus ruber (nesting) Red-breasted sapsucker	G5S?				
TYRANNIDAE (tyrant flycatchers)					
Contopus cooperi (nesting) Olive-sided flycatcher	G4S4			LR/NT	Audubon: Watch list USBC: Watch list FWS: BCC
+*Empidonax traillii* (nesting) Willow flycatcher	G5S1S2	SE[40]		LC	FS: Sensitive USBC: Watch list Audubon: Watch list
Empidonax traillii brewsteri (nesting) Little willow flycatcher	G5T1T2S1S2				USBC: Watch list (full species) Audubon: Watch list (full species)
+*Empidonax traillii extimus* (nesting) Southwestern willow flycatcher	G5T1T2S1		FE		USBC: Watch list (full species) Audubon: Watch list (full species)
+*Myiarchus tyrannulus* (nesting) Brown-crested flycatcher	G5S2S3			LC	DFG: CSC
+*Pyrocephalus rubinus* (nesting) Vermillion flycatcher	G5S2S3			LC	DFG: CSC
LANIIDAE (shrikes)					
+*Lanius ludovicianus* (nesting) Loggerhead shrike	G4S4			LC	DFG: CSC FWS: BCC
+*Lanius ludovicianus mearnsi* San Clemente loggerhead shrike	G4T1S1		FE	LC (full species)	
Lanius ludovicianus anthonyi Island loggerhead shrike	G4T1?S1?			LC (full species)	DFG: CSC
VIREONIDAE (vireos)					
+*Vireo bellii arizonae* (nesting) Arizona Bell's vireo	G5T4S1	SE		LR/NT (full species)	USBC: Watch list (full species) Audubon: Watch list (full species) FWS: BCC (full species)
+*Vireo bellii pusillus* (nesting) Least Bell's vireo	G5T2S2	SE	FE	LR/NT (full species)	USBC: Watch list (full species) Audubon: Watch list (full species) FWS: BCC (full species)

[40] State listing includes all subspecies.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Vireo vicinior* (nesting) Gray vireo	G4S2			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list BLM: Sensitive
CORVIDAE (jays, crows, and magpies)					
Aphelocoma californica cana Eagle Mountain western scrub jay	G5T1T2S1S2				DFG: CSC
Aphelocoma insularis Island scrub jay	G1S1			LR/NT	FWS: BCC USBC: Watch list Audubon: Watch list
ALAUDIDAE (larks)					
+*Eremophila alpestris actia* California horned lark	G5T3S3			LC (full species)	DFG: CSC
+*Progne subis* (nesting) Purple martin	G5S3			LC	DFG: CSC
+*Riparia riparia* (nesting) Bank swallow	G5S2S3	ST		LC	
PARIDAE (titmice and relatives)					
Baeolophus inornatus (nesting) Oak titmouse	G5S3?			LC	USBC: Watch list Audubon: Watch list
Poecile atricapilla Black-capped chickadee	G5S3			LC	DFG: CSC
TROGLODYTIDAE (wrens)					
+*Campylorhynchus brunneicapillus sandiegensis*[41] San Diego cactus wren (San Diego & Orange Counties only)	G5T3QS3			LC (full species)	DFG: CSC FWS:BCC FS: Sensitive
SYLVIIDAE (gnatcatchers)					
+*Polioptila californica californica* Coastal California gnatcatcher	G3T2S2		FT	LC (full species)	DFG: CSC USBC: Watch list Audubon: Watch list
+*Polioptila melanura* Black-tailed gnatcatcher	G5S4			LC	
MIMIDAE (mockingbirds and thrashers)					
+*Toxostoma bendirei* Bendire's thrasher	G4G5S3			VU/A2bc+3bc	DFG: CSC USBC: Watch list FWS: BCC Audubon: Watch list BLM: Sensitive

[41] Nomenclature follows the draft DFG Bird Species of Special Concern report.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Toxostoma crissal* Crissal thrasher	G5S3			LC	DFG: CSC FWS: BCC
+*Toxostoma lecontei* Le Conte's thrasher	G3S3			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list BLM: Sensitive
Toxostoma lecontei macmillanorum San Joaquin Le Conte's thrasher	G4T1S1			LC (full species)	DFG: CSC FWS: BCC (full species) USBC: Watch list (full species) Audubon: Watch list (full species)
Toxostoma redivivum California thrasher	G5S?			LC	USBC: Watch list Audubon: Watch list
PARULIDAE (wood-warblers)					
Dendroica occidentalis (nesting) Hermit warbler	G4G5S3?			LC	Audubon: Watch list
+*Dendroica petechia brewsteri* (nesting) Yellow warbler	G5T3?S2			LC (full species)	DFG: CSC
+*Dendroica petechia sonorana* (nesting) Sonoran yellow warbler	G5T2T3S1			LC (full species)	DFG: CSC FWS: BCC
+*Geothlypis trichas sinuosa* Saltmarsh common yellowthroat	G5T2S2			LC (full species)	DFG: CSC FWS: BCC
+*Icteria virens* (nesting) Yellow-breasted chat	G5S3			LC	DFG: CSC
+*Vermivora luciae* (nesting) Lucy's warbler	G5S2S3			LC	USBC: Watch list Audubon: Watch list
+*Vermivora virginiae* (nesting) Virginia's warbler	G5S2S3			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list
THRAUPIDAE (tanagers)					
+*Piranga flava* (nesting) Hepatic tanager	G5S1			LC	DFG: CSC
+*Piranga rubra* (nesting) Summer tanager	G5S2			LC	DFG: CSC
EMBERIZIDAE (sparrows, buntings, warblers, & relatives)					
+*Aimophila ruficeps canescens* Southern California rufous-crowned sparrow	G5T2T4S2S3			LC (full species)	DFG: CSC
+*Amphispiza belli belli* Bell's sage sparrow	G5T2T4S2?			LC (full species)	DFG: CSC FWS: BCC (full species)
+*Ammodramus savannarum* Grasshopper sparrow	G5S2				

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Amphispiza belli clementeae* San Clemente sage sparrow	G5T1S1		FT	LC (full species)	FWS: BCC (full species)
Chondestes grammacus (nesting) Lark sparrow	G5S?				
+*Junco hyemalis caniceps* (nesting) Gray-headed junco	G5T5S1			LC (full species)	DFG: CSC
+*Melospiza melodia maxillaris* Suisun song sparrow	G5T2S2			LC (full species)	DFG: CSC FWS: BCC
+*Melospiza melodia pusillula* Alameda song sparrow	G5T2?S2?			LC (full species)	DFG: CSC FWS: BCC
+*Melospiza melodia samuelis* San Pablo song sparrow	G5T2?S2?			LC (full species)	DFG: CSC FWS: BCC
+*Passerculus sandwichensis beldingi* Belding's savannah sparrow	G5T3S3	SE		LC (full species)	
Passerculus sandwichensis rostratus (wintering) Large-billed savannah sparrow	G5T2T3S2?			LC (full species)	DFG: CSC
Pipilo aberti Abert's towhee	G3G4S2?			LC	USBC: Watch list Audubon: Watch list
+*Pipilo crissalis eremophilus* Inyo California towhee	G4G5T1S1	SE	FT	LC (full species)	
Pipilo maculatus (=erythrophthalmus) clementae San Clemente (spotted) towhee	G5T1S1			LC (full species)	DFG: CSC FWS: BCC
Spizella atrogularis (nesting) Black-chinned sparrow	G5S3			LC	FWS: BCC USBC: Watch list Audubon: Watch list
+*Spizella breweri* (nesting) Brewer's sparrow	G5S3			LR/NT	USBC: Watch list Audubon: Watch list FWS: BCC
Spizella passerina (nesting) Chipping sparrow	G5S3S4			LC	
CARDINALIDAE (cardinals)					
+*Cardinalis cardinalis* Northern cardinal	G5S1			LC	DFG: CSC
ICTERIDAE (blackbirds)					
+*Agelaius tricolor* (nesting colony) Tricolored blackbird	G2G3S2			LC	DFG: CSC FWS: BCC USBC: Watch list Audubon: Watch list BLM: Sensitive
+*Xanthocephalus xanthocephalus* (nesting) Yellow-headed blackbird	G5S3S4			LC	
FRINGILLIDAE (finches and relatives)					
+*Carduelis lawrencei* (nesting) Lawrence's goldfinch	G3G4S3			LC	USBC: Watch list FWS: BCC Audubon: Watch list

	CNDDB RANK	CESA	ESA	IUCN	OTHER
MAMMALS (127 taxa)					
TALPIDAE (moles)					
+*Scapanus latimanus parvus* Alameda Island mole	G5T1S1			LC (full species)	DFG: CSC
+*Scapanus latimanus insularis* Angel Island mole	G5T1S1			LC (full species)	
SORICIDAE (shrews)					
+*Sorex lyelli* Mount Lyell shrew	G2G3S2S3			LC	DFG: CSC
+*Sorex ornatus relictus* Buena Vista Lake shrew	G5T1S1		FE	LC (full species)	DFG: CSC
Sorex ornatus salarius Salinas ornate shrew	G5T1T2S1S2			LC (full species)	DFG: CSC
+*Sorex ornatus salicornicus* Southern California saltmarsh shrew	G5T1S1			LC (full species)	DFG: CSC
+*Sorex ornatus sinuosus* Suisun shrew	G5T1S1			LC (full species)	DFG: CSC
+*Sorex ornatus willetti* Santa Catalina shrew	G5T1S1			LC (full species)	DFG: CSC
+*Sorex vagrans halicoetes* Salt-marsh wandering shrew	G5T1S1			LC (full species)	DFG: CSC
Sorex vagrans paludivagus Monterey vagrant shrew	G5T1S1			LC (full species)	
PHYLLOSTOMIDAE (leaf-nosed bats)					
+*Choeronycteris mexicana* Mexican long-tongued bat	G4S1			LR/NT	DFG: CSC WBWG: High priority
+*Macrotus californicus* California leaf-nosed bat	G4S2S3			VU/A2c	DFG: CSC FS: Sensitive WBWG: High priority
VESPERTILIONIDAE (evening bats)					
+*Antrozous pallidus* Pallid bat	G5S3			LR/LC	DFG: CSC FS: Sensitive BLM: Sensitive WBWG: High priority
+*Corynorhinus townsendii* Townsend's big-eared bat	G4S2S3			VU/A2c	DFG: CSC FS: Sensitive BLM: Sensitive WBWG: High Priority
+*Euderma maculatum* Spotted bat	G4S2S3			LC	DFG: CSC BLM: Sensitive WBWG: High priority
Idionycteris phyllotis Allen's big-eared bat	G3G4S1				WBWG: High priority

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Lasionycteris noctivagans* Silver-haired bat	G5S3S4			LC	WBWG: Medium priority
+*Lasiurus cinereus* Hoary bat	G5S3			LC	WBWG: Medium priority
+*Lasiurus blossevillii* Western red bat	G5S2S3				WBWG: High priority FS: Sensitive
+*Lassiurus xanthinus* Western yellow bat	G5S3			LC	WBWG: High priority
+*Myotis ciliolabrum* Small-footed myotis	G5S2S3			LC	BLM: Sensitive WBWG: Medium priority
+*Myotis evotis* Long-eared myotis	G5S4?			LC	BLM: Sensitive WBWG: Medium priority
Myotis lucifugus Little brown bat (San Bernardino Mts pop)	G5S2S3			LR/LC	WBWG: Medium priority
+*Myotis occultus (=Myotis lucifugus occultus)* Occult little brown bat (AKA Arizona myotis)	G5T3T4S2S3				DFG: CSC WBWG: Medium priority
+*Myotis thysanodes* Fringed myotis	G4G5S4			LC	BLM: Sensitive WBWG: High priority
+*Myotis velifer* Cave myotis	G5S1			LC	DFG: CSC BLM: Sensitive WBWG: Medium priority
+*Myotis volans* Long-legged myotis	G5S4?			LC	WBWG: High priority
+*Myotis yumanensis* Yuma myotis	G5S4?			LC	BLM: Sensitive WBWG: Low-med priority
MOLOSSIDAE (free-tailed bats)					
+*Eumops perotis* Western mastiff bat	G5S3?			LC	DFG: CSC BLM: Sensitive WBWG: High priority
+*Nyctinomops femorosaccus* Pocketed free-tailed bat	G4S2S3			LC	DFG: CSC WBWG: Medium priority
+*Nyctinomops macrotis* Big free-tailed bat	G5S2			LC	DFG: CSC WBWG: Med-High priority
OCHOTONIDAE (pikas)					
+*Ochotona princeps sheltoni* White Mountains pika	G5T1T2S1S2				
LEPORIDAE (rabbits and hares)					
+*Brachylagus idahoensis* Pygmy rabbit	G4S3			LR/NT	DFG: CSC
+*Lepus americanus klamathensis* Oregon snowshoe hare	G5T3T4S2?			LC (full species)	DFG: CSC
+*Lepus americanus tahoensis* Sierra Nevada showshoe hare	G5T3T4S2?			LC (full species)	DFG: CSC
+*Lepus californicus bennettii* San Diego black-tailed jackrabbit	G5T3S3?			LC (full species)	DFG: CSC

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Lepus townsendii townsendii* Western white-tailed jackrabbit	G5T3S3?			LC (full species)	DFG: CSC
+*Sylvilagus bachmani riparius* Riparian brush rabbit	G5T1S1	SE	FE	LC (full species)	
APLODONTIDAE (mountain beavers)					
+*Aplodontia rufa californica* Sierra Nevada mountain beaver	G5T3T4S3?			LR/NT	DFG: CSC
+*Aplodontia rufa nigra* Point Arena mountain beaver	G5T1S1		FE	VU/B1+2de	DFG: CSC
+*Aplodontia rufa phaea* Point Reyes mountain beaver	G5T2S2			VU/B1+2e	DFG; CSC
SCIURIDAE (squirrels and relatives)					
+*Ammospermophilus nelsoni* San Joaquin antelope squirrel	G2S2	ST		EN/A1a, B1+2c	
+*Glaucomys sabrinus californicus* San Bernardino flying squirrel	G5T2T3S2S3			LC (full species)	DFG: CSC FS: Sensitive
Spermophilus laterlis bernardinus San Bernardino ground squirrel	G5T1S1			LC (full species)	
+*Spermophilus mohavensis* Mohave ground squirrel	G2G3S2S3	ST		VU/B1+3d	
+*Spermophilus tereticaudus chlorus* Palm Springs round-tailed ground squirrel	G5T1T2S1S2		FC	DD	DFG: CSC
+*Tamias panamintinus acrus* Kingston Mountain chipmunk	G4T1T2S1S2			LC (full species)	
+*Tamias speciosus callipeplus* Mount Pinos chipmunk	G4T1T2S1S2			LC (full species)	FS: Sensitive
+*Tamias speciosus speciosus* Lodgepole chipmunk	G4T2T3S2S3			LC (full species)	
GEOMYIDAE (pocket gophers)					
Thomomys bottae operarius Owens Lake pocket gopher	G5T1?S1?				
HETEROMYIDAE (kangaroo rats, pockets mice, & kangaroo mice)					
+*Chaetodipus californicus femoralis* Dulzura (California) pocket mouse	G5T3S2?			LC (full species)	DFG: CSC
+*Chaetodipus fallax fallax* Northwestern San Diego pocket mouse	G5T3S2S3			LC (full species)	DFG: CSC (full species)
+*Chaetodipus fallax pallidus* Pallid San Diego pocket mouse	G5T3S3			LC (full species)	DFG: CSC (full species)
+*Dipodomys californicus eximus* Marysville California kangaroo rat	G4T1S1			LC (full species)	DFG: CSC BLM: Sensitive
+*Dipodomys heermanni berkeleyensis* Berkeley kangaroo rat	G3G4T1S1			VU/B1+2c	
+*Dipodomys heermanni dixoni* Merced kangaroo rat	G3G4T2T3S2S3			LR/NT	

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Dipodomys heermanni morroensis* Morro bay kangaroo rat	G3G4T1S1	SE	FE	CR/B1+2c,D	DFG: Fully protected
+*Dipodomys ingens* Giant kangaroo rat	G2S2	SE	FE	CR/A1a, B1+2c	
Dipodomys merriami collinus Earthquake Merriam's kangaroo rat	G5T1T2S1S2			DD	
+*Dipodomys merriami parvus* San Bernardino Merriam's kangaroo rat	G5T1S1		FE	DD	DFG: CSC
+*Dipodomys nitratoides brevinasus* Short-nosed kangaroo rat	G3T1T2S1S2			LR/NT	DFG: CSC BLM: Sensitive
+*Dipodomys nitratoides exilis* Fresno kangaroo rat	G3T1S1	SE	FE	CR/B1+2c	
+*Dipodomys nitratoides nitratoides* Tipton kangaroo rat	G3T1S1	SE	FE	CR/A1c	
+*Dipodomys panamintinus argusensis* Argus Mountains kangaroo rat	G5T1T3S1S3				
+*Dipodomys panamintinus panamintinus* Panamint kangaroo rat	G5T3S3				
+*Dipodomys stephensi* Stephens' kangaroo rat	G2S2	ST	FE	LRcd	
+*Dipodomys venustus elephantinus* Big-eared kangaroo rat	G4T2S2			LR/LC (full species)	DFG: CSC
+*Dipodomys venustus venustus* Santa Cruz kangaroo rat	G4T1S1			LR/LC (full species)	
+*Perognathus alticolus alticolus* White-eared pocket mouse	G1G2THSH			CR/B1+2b	DFG: CSC (full species) FS: Sensitive
+*Perognathus alticolus inexpectatus* Tehachapi pocket mouse	G1G2T1T2S1S2			LRnt	DFG: CSC (full species) FS: Sensitive
+*Perognathus inornatus inornatus* San Joaquin pocket mouse	G4T2T3S2S3			LC (full species)	BLM: Sensitive
Perognathus inornatus neglectus McKittrick pocket mouse	T4T2T3S2S3				
+*Perognathus inornatus psammophilus* Salinus pocket mouse	G4T2?S2?			LRnt	DFG: CSC
+*Perognathus longimembris bangsi* Palm Springs pocket mouse	G5T2T3S2S3			DD	DFG: CSC
+*Perognathus longimembris brevinasus* Los Angeles pocket mouse	G5T1?S1?			VU/B1+2c	DFG: CSC FS: Sensitive
+*Perognathus longimembris internationalis* Jacumba pocket mouse	G5T2T3S1S2			DD	DFG: CSC
+*Perognathus longimembris pacificus* Pacific pocket mouse	G5T1S1		FE	CR/B1+2c, C1+2ab	DFG: CSC
Perognathus longimembris salinensis No common name	G5T1S1				
Perognathus longimembris tularensis No common name	G5T1S1				
+*Perognathus parvus xanthonotus* Yellow-eared pocket mouse	G5T2T3S1S2				BLM: Sensitive

	CNDDB RANK	CESA	ESA	IUCN	OTHER
MURIDAE (mice, rats, and voles)					
+*Arborimus albipes* White-footed vole	G3G4S2S3			DD	DFG: CSC
+*Arborimus pomo* Red tree vole	G3S3			DD	DFG: CSC
Microtus californicus halophilus Monterey vole	G5T1S1				
+*Microtus californicus mohavensis* Mohave River vole	G5T1S1			VU/A1d+2d, D2	DFG: CSC
+*Microtus californicus sanpabloensis* San Pablo vole	G5T1T2S1S2				DFG: CSC
+*Microtus californicus scirpensis* Amargosa vole	G5T1S1	SE	FE	VU/B1+3cd	
+*Microtus californicus stephensi* South coast marsh vole	G5T1T2S1S2			DD	DFG:CSC
+*Microtus californicus vallicola* Owens Valley vole	G5T1S1			LRnt	DFG: CSC
+*Neotoma albigula venusta* Colorado Valley woodrat	G5T3T4SH			LC (full species)	
Neotoma fuscipes annectens San Francisco dusky-footed woodrat	G5T2T3S2S3			DD	DFG: CSC
+*Neotoma macrotis luciana* Monterey dusky-footed woodrat	G5T3?S3?			DD	DFG: CSC
+*Neotoma fuscipes riparia*[42] Riparian (=San Joaquin Valley) woodrat	G5T1QS1		FE	CR/B1+2c	DFG: CSC
+*Neotoma lepida intermedia* San Diego desert woodrat	G5T3?S3?			DD	DFG: CSC
+*Onychomys torridus ramona* Southern grasshopper mouse	G5T3?S3?			DD	DFG: CSC
+*Onychomys torridus tularensis* Tulare grasshopper mouse	G5T1T2S1S2			DD	DFG: CSC BLM: Sensitive
+*Peromyscus maniculatus anacpae* Anacapa Island deer mouse	G5T1T2S1S2			LRnt	DFG: CSC
Peromyscus maniculatus clementis San Clemente deer mouse	G5T1T2S1S2			LRnt	DFG: CSC
+*Reithrodontomys megalotus distichlus* Monterey Bay harvest mouse	G5THSH			LC (full species)	
+*Reithrodontomys megalotus santacruzae*[43] Santa Cruz harvest mouse	G5T1QS1			LC (full species)	
+*Reithrodontomys raviventris* Salt-marsh harvest mouse	G1G2S1S2	SE	FE	VU/A1c+2c B1+2c	DFG: Fully protected
+*Sigmodon arizonae plenus* Colorado River cotton rat	G3?T1SH			LRnt	DFG: CSC
+*Sigmodon hispidus eremicus* Yuma hispid cotton rat	G5T2T3S2			LRnt	DFG: CSC
DIPODIDAE (jumping mice)					
+*Zapus trinotatus orarius* Point Reyes jumping mouse	G5T1T3QS1S3			LRcd	DFG: CSC

[42] This subspecies is currently undergoing taxonomic revision

[43] Synonomous with *Reithrodontomys mega lotus longicaudus* Santa Cruz Island population

	CNDDB RANK	CESA	ESA	IUCN	OTHER
CANIDAE (foxes, wolves, and coyotes)					
+*Urocyon littoralis* Island fox	G1S1	ST[44]		CR/A2be +3e	
+*Urocyon littoralis littoralis* San Miguel Island fox	G1T1S1		FE		
+*Urocyon littoralis santarosa* Santa Rosa Island fox	G1T1S1		FE		
+*Urocyon littoralis santacruzae* Santa Cruz Island fox	G1T1S1		FE		
+*Urocyon littoralis catalinae* Santa Catalina Island fox	G1T1S1		FE		
+*Vulpes macrotis mutica* San Joaquin kit fox	G4T2T3S2S3	ST	FE		
+*Vulpes vulpes necator* Sierra Nevada red fox	G5T3S1	ST			FS: Sensitive
MUSTELIDAE (weasels and relatives)					
+*Enhydra lutris nereis* Southern sea otter	G4T2S2		FT	EN/A1ace (full species)	DFG: Fully protected
+*Gulo gulo* California wolverine	G4S2	ST		VU/A2c	DFG: Fully protected FS: Sensitive (ssp. *Luteus*)
+*Lontra canadensis sonora* Southwestern river otter	G5T1S1			LC (full species)	DFG: CSC BLM: Sensitive
+*Martes americana* American marten	G5S3S4			LC	FS: Sensitive
+*Martes americana sierra* American (=pine) marten	G5T3T4S3S4			LC (full species)	FS: Sensitive (full species)
+*Martes americana humboldtensis* Humboldt marten	G5T2T3S2S3			LC (full species)	DFG: CSC FS: Sensitive (full species)
+*Martes pennanti pacifica* Pacific fisher	G5T3T4QS2S3		FC[45]	LC (full species)	DFG: CSC (full species) FS: Sensitive BLM: Sensitive
+*Taxidea taxus* American badger	G5S4			LC	DFG: CSC
MEPHITIDAE (skunks)					
+*Spilogale gracilis amphiala* Channel Islands spotted skunk	G5T3S3				DFG: CSC
FELIDAE (cats and relatives)					
Lynx rufus pallescens Pallid bobcat	G5T3?S3?				

[44] State listing includes all subspecies on all islands.

[45] Candidate status refers to the distict population segment in Washington, Oregon and California.

	CNDDB RANK	CESA	ESA	IUCN	OTHER
+*Puma concolor browni* Yuma mountain lion	G5T1T2QS1				DFG: CSC
OTARIIDAE (sea lions and fur seals)					
+*Arctocephalus townsendi* Guadalupe fur seal	G1S1	ST	FT	VU/D2	DFG: Fully protected
+*Callorhinus ursinus* Northern fur seal	G3S1			VU/A1b	
+*Eumetopias jubatus* (rookery) Northern (Steller) sea lion	G3S2		FT	EN/A1b	
BOVIDAE (sheep and relatives)					
+*Ovis canadensis californiana* California (=Sierra) bighorn sheep	G4T1S1	SE	FE	LRcd	DFG: Fully protected
+*Ovis canadensis nelsoni* DPS[46] Peninsular bighorn sheep	G4T3S1	ST	FE	EN/C1+2a	DFG: Fully protected
+*Ovis canadensis nelsoni* Nelson's (=Desert) bighorn sheep	G4T4S3			LRcd	BLM: Sensitive FS: Sensitive

[46] The subspecies *O .c. cremnobates* has been synonymized the *O. c. nelsoni*. Peninsular bighorn sheep are now considered to be a Distinct Population Segment.

APPENDIX 1

CNDDB RANKS

CNDDB ranks are shorthand formulas that provide information on the rarity of a species or subspecies, both throughout its global range and its range within the State. We use the best information available to assign these ranks and they are regularly updated as new information becomes available.

GLOBAL RANKS: Worldwide status of a *full species*: G1 to G5

G1 = Extremely endangered: <6 viable occurrences (EO's) or <1,000 individuals, or < 2,000 acres of occupied habitat
G2 = Endangered: about 6-20 EO's or 1,000 - 3,000 individuals, or 2,000 to 10,000 acres of occupied habitat
G3 = Restricted range, rare: about 21-100 EO's, or 3,000 – 10,000 individuals, or 10,000 – 50,000 acres of occupied habitat
G4 = Apparently secure; some factors exist to cause some concern such as narrow habitat or continuing threats
G5 = Demonstrably secure; commonly found throughout its historic range

STATE RANKS: Statewide status of a *full species or a subspecies*: S1 to S5

Same general definitions as global ranks, but just for the range of the taxa within California.

T-RANKS: Status of a *subspecies* throughout its range: T1 to T5

A subspecies is given a T-rank. This is attached to the G-rank for the full species. The S-rank, in this case, will refer to the status of the subspecies within California. The T-rank has the same general definitions as the global ranks.

EXAMPLES:

Island Fox (*Urocyon littoralis*) – **G1S1**
- **G1** – *Urocyon littoralis* is extremely endangered throughout its worldwide range
- **S1** – It is a California endemic, therefore its range within the state is the same as its worldwide range.

Yuma clapper rail (*Rallus longirostris yumanensis*) – **G5T3S1**
- **G5** – *Rallus longirostris* is common in North American coastal salt marshes and the range extends down into South America.
- **T3** – *R. l. yumanensis* is rare and has a restricted range within Mexico, Arizona, and California
- **S1** – This subspecies is extremely endangered within California

Santa Cruz long-toed salamander (*Ambystoma macrodactylum croceum*) – **G5T1S1**
- **G5** – *Ambystoma macrodactylum* is found throughout the Pacific northwest.
- **T1** – The subspecies *A. m. croceum* is found only in California and is extremely endangered throughout its range.
- **S1** – This subspecies is extremely endangered within California

OTHER NOTATIONS: applicable to G-ranks, S-ranks, and T-ranks

G1G3 = proper rank is most likely within this range of ranks
G2? = proper rank is probably G2
G? = we don't have enough information to rank the species
GH = all sites are historical; this species may be extinct, but further field work is needed
GX = species is extinct (SX = species is extirpated from California)
GXC = species is extinct in the wild, but it exists in cultivation
G2Q = species is endangered but there is some taxonomic question about the species

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