

# **SPECIAL ANIMALS LIST**

July 2024

State of California  
Natural Resources Agency  
Department of Fish and Wildlife  
Biogeographic Data Branch  
California Natural Diversity Database (CNDDDB)

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## Special Animals

“Special Animals” is a broad term used to refer to all the animal taxa tracked by the California Department of Fish and Wildlife’s (CDFW) California Natural Diversity Database (CNDDDB), regardless of their legal or protection status. This list is also referred to as the list of “species at risk” or “special status species.” The Special Animals List includes species, subspecies, Distinct Population Segments (DPS), or Evolutionarily Significant Units (ESU) where at least one of the following conditions applies:

- Officially listed or proposed for listing under state and/or federal endangered species acts
- Taxa considered by the Department of Fish and Wildlife to be a Species of Special Concern (SSC)
- 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](#)
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range, but not currently threatened with extirpation
- Population(s) in California that may be peripheral to the major portion of a taxon’s range but are threatened with extirpation in California
- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g., wetlands, riparian, vernal pools, old growth forests, desert aquatic systems, native grasslands, valley shrubland habitats, etc.)
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or a non-governmental organization (NGO), and determined by the CNDDDB to be rare, restricted, declining, or threatened across their range in California

**The Special Animals List contains taxa that are actively inventoried, tracked, and mapped by the CNDDDB, as well as taxa for which mapped data may not yet be incorporated into CNDDDB user products.** For the latter taxa, information at the county

and 7.5-minute USGS quadrangle level can be accessed via the [CNDDDB QuickView Tool](#).

**Taxa with a “Yes” in the “End Notes?” column have additional information in the End Notes section at the back of the list.**

Additional information about the California Natural Diversity Database is available on the [CNDDDB website](#).

Information on other CDFW resource management programs is available on the Department’s [Conservation and Management of Wildlife and Habitat website](#).

The CDFW [Wildlife Diversity Program](#) provides additional information on wildlife habitat, threats, and survey guidelines.

## NatureServe Element Ranking

The California Natural Diversity Database program is a member of the [NatureServe Network](#) of natural heritage programs and uses the same conservation status methodology as other network programs. The ranking system was originally developed by The Nature Conservancy and is now maintained and recently revised by NatureServe. It includes a **Global rank** (G-rank), describing the status for a given taxon over its entire distribution, and a **State rank** (S-rank), describing the status for the taxon over its state distribution. For subspecies and varieties, there is also a “T” rank describing the global rank for the infraspecific taxon. The next page of this document details the criteria used to assign element ranks, from G1 to G5 for the Global rank and from S1 to S5 for the State rank. Procedurally, state programs such as the CNDDDB develop the State ranks. The Global ranks are determined collaboratively among the Heritage Programs for the states/provinces containing the species. NatureServe then checks for consistency and logical errors at the national level. Because the units of conservation may include non-taxonomic biological entities such as populations or ecological communities, NatureServe refers to the targets of biological conservation as “elements” rather than taxa.

An element rank is assigned using standard criteria and rank definitions. This standardization makes the ranks comparable between organisms and across political boundaries. NatureServe has developed a “rank calculator” to help increase repeatability and transparency of the ranking process. The three main categories that are taken into consideration when assigning an element rank are rarity, threats, and trends. Within these three categories, various factors are considered, including:

- Range extent, area of occupancy, population size, total number of occurrences, and number of good occurrences (ranked A or B). Environmental specificity can also be used if other information is lacking.
- Overall threat impact as well as intrinsic vulnerability (if threats are unknown).
- Long-term and short-term trends.

Detailed information on this element ranking methodology can be found on the [NatureServe Conservation Status Assessment website](#).

Listed below are definitions for interpreting global and state conservation status ranks. An element's ranking status may be adjusted up or down depending upon the considerations above.

## Global Ranking

The global rank (G-rank) is a reflection of the overall status of an element throughout its global range.

- **GX: Presumed Extinct** – Not located despite intensive searches and virtually no likelihood of rediscovery.
- **GH: Possibly Extinct** – Known from only historical occurrences but still some hope of rediscovery. Examples of evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species has been searched for unsuccessfully, but not thoroughly enough to presume that it is extinct throughout its range.
- **G1: Critically Imperiled** – At very high risk of extinction due to very restricted range, very few populations or occurrences, very steep declines, very severe threats, or other factors.
- **G2: Imperiled** – At high risk of extinction due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
- **G3: Vulnerable** – At moderate risk of extinction due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
- **G4: Apparently Secure** – At fairly low risk of extinction due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.

- **G5: Secure** – At very low risk of extinction due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats.
- **GNR: Unranked** – Global rank not yet assessed.

## State Ranking

The state rank (S-rank) is assigned in much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.

- **SX: Presumed Extirpated** – Species is believed to be extirpated from the state. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
- **SH: Possibly Extirpated** – Known from only historical records but still some hope of rediscovery. There is evidence that the species may no longer be present in the state, but not enough to state this with certainty. Examples of such evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species has been searched for unsuccessfully, but not thoroughly enough to presume that it is no longer present in the jurisdiction.
- **S1: Critically Imperiled** – At very high risk of extirpation in the state due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.
- **S2: Imperiled** – At high risk of extirpation in the state due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
- **S3: Vulnerable** – At moderate risk of extirpation in the state due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
- **S4: Apparently Secure** – At a fairly low risk of extirpation in the state due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.



- **S5: Secure** – At very low or no risk of extirpation in the state due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats.
- **SNR: Unranked** – State rank not yet assessed.

## Additional Notes on NatureServe Ranks

- Rank Qualifiers
  1. Taxa which are subspecies receive a taxon rank (**T-rank**) in addition to the G-rank. Whereas the G-rank reflects the condition of the entire species, the T-rank reflects the global status of just the subspecies. For example, the Point Reyes mountain beaver, *Aplodontia rufa* ssp. *phaea*, is ranked G5T2. The G-rank refers to the whole species, i.e., *Aplodontia rufa*; the T-rank refers only to the global condition of ssp. *phaea*.
  2. **C = Captive or Cultivated Only** — taxon at present is presumed or possibly extinct or eliminated in the wild across their entire native range but is extant in cultivation, in captivity, as a naturalized population (or populations) outside their native range, or as a reintroduced population not yet established. The “C” modifier is only used at a global level and not at a state level. Possible ranks are GXC or GHC.
  3. **Q = Questionable taxonomy** that may reduce conservation priority — Distinctiveness of this entity as a taxon at the current level is questionable; resolution of this uncertainty may result in change from a species to a subspecies or hybrid, or inclusion of this taxon in another taxon, with the resulting taxon having a lower-priority (numerically higher) conservation status rank. The “Q” modifier is only used at the global level, not at the state level.
- Uncertainty about the status of an element is expressed in two major ways:
  1. By expressing the ranks as a **range** of values: e.g., S2S3 indicates the rank is somewhere between S2 and S3.
  2. By adding a “?” to the rank: e.g., S2?; this represents more certainty than S2S3, but less certainty than S2.

- Other considerations used when ranking a species include the pattern of distribution of the element on the landscape, fragmentation of the population, and historical extent as compared to its modern range. It is important to take an overall view when ranking sensitive elements rather than simply counting element occurrences.

# Animal Element Occurrences and Mapping

## What is an Element Occurrence?

An Element Occurrence (EO) is a location where a given element has been documented to occur. It is a concept developed and applied within the NatureServe natural heritage network. An EO is not a population, but may indicate that a population is present in that area; likewise, a single population may be represented by more than one EO. An EO is based upon the source documents available at the time of mapping. Both the mapped feature and the text portion of EOs are updated as new information becomes available.

## Element Occurrence Definitions Vary by Taxa

The EO definition refers to the types of information mapped. For most animal taxa, the CNDDDB is interested in information that indicates the presence of a resident population. However, for many migratory birds, the CNDDDB only tracks detections of nest sites or behaviors indicating reproduction is occurring at the site. Details about avian detections are available in the [Submitting Avian Detections](#) document. For other taxa where CNDDDB tracks only a certain part of the range or life history, the area or life stage is indicated on the list under the “Comment” column.

## Mapping Conventions

Information in CNDDDB is mapped to balance precision and uncertainty, based upon the source materials used to determine the location of the Element Occurrence. Data with precise location information are mapped with 80m-radius circles or specific polygons. Data with vague location information are mapped with non-specific circular features or non-specific polygons. Non-specific features indicate that the species was found somewhere within the mapped area, but the exact location was unknown. Generally, observations/collections within ¼ mile and/or within continuous habitat are combined into a single EO.

# Taxonomic Standards

## Taxonomic References and Sources of Additional Information

The CNDDDB follows current published taxonomy for animals as recognized by the scientific organizations listed below. The CNDDDB reviews publications that propose new taxonomy and nomenclature for CNDDDB-tracked species and evaluates whether these proposals are recognized by the larger scientific community. The CNDDDB makes every effort to use the best available science in the taxonomy used, but different experts may recognize different names for some time after a taxonomic change is proposed. In these cases, the CNDDDB will generally use the preexisting nomenclature until a change is formally recognized beyond the initial publication. In addition, the CNDDDB recognizes some taxa identified by experts on the California fauna where these taxa may not be recognized by national biological societies. Generally, the taxonomy used by NatureServe is followed, with additional evaluation of taxonomy from the following sources:

- Reptiles and amphibians:
  - [The Center for North American Herpetology](#)
  - [The Society for the Study of Amphibians and Reptiles](#)
- Fishes:
  - Fricke, R., Eschmeyer, W. N. & R. van der Laan (eds) 2022. [Eschmeyer's catalog of fishes: genera, species, references](#). Electronic version.
  - Jelks, H.L., S.J. Walsh, N.M. Burkhead, S. Contreras-Balderas, E. Díaz-Pardo, D.A. Hendrickson, J. Lyons, N.E. Mandrak, F. McCormick, J.S. Nelson, S.P. Platania, B.A. Porter, C.B. Renaud, J.J. Schmitter-Soto, E.B. Taylor, and M.L. Warren, Jr. 2008. Conservation status of imperiled North American freshwater and diadromous fishes. *Fisheries* 33(8):372-407.
  - Lawrence M. Page, Héctor Espinosa-Pérez, Lloyd T. Findley, Carter R. Gilbert, Robert N. Lea, Nicholas E. Mandrak, Richard L. Mayden, and Joseph S. Nelson. 2013. [Common and scientific names of fishes from the](#)

[United States, Canada, and Mexico, 7<sup>th</sup> edition](#). American Fisheries Society, Special Publication 34. 243 pp.

- Moyle, P. B. 2002. Inland fishes of California. University of California Press.
- Birds:
  - The [checklist of the American Ornithologists' Union](#)
- Mammals:
  - [The American Society of Mammalogists](#)
  - Bradley, R.D., L.K. Ammerman, R.J. Baker, L.C. Bradley, J.A. Cook, R.C. Dowler, C. Jones, D.J. Schimdly, F.B. Stangl Jr., R.A. Van Den Bussche, and B. Wursig. 2014. [Revised checklist of North American mammals north of Mexico, 2014](#). Museum of Texas Tech University Occasional Papers 327:1-28.

## Listing and Special Status Information

**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 “[Endangered and Threatened Animals List](#),” which the CNDDDB updates and issues quarterly. Additional information can be found on the [California Fish and Game Commission CESA web page](#).

- SE State listed as endangered
- ST State listed as threatened
- SC State candidate for listing as endangered or threatened

**FEDERAL 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 “Endangered and Threatened Animals List,” which the CNDDDB updates and issues quarterly. Federal listing actions are published in the [Federal Register](#).

- FE Federally listed as endangered
- FT Federally listed as threatened
- FPE Federally proposed for listing as endangered
- FPT Federally proposed for listing as threatened
- FC Federal candidate species (former Category 1 candidates)

Section 4(c)(2)(A) of the Act requires the U.S. Fish and Wildlife Service and the National Marine Fisheries Service to conduct a review of listed species at least once every five years. Five year reviews are made available by the [U.S. Fish and Wildlife Service](#) and the [National Marine Fisheries Service](#).

**OTHER STATUS CODES:** The status of species on the Special Animals List according to other conservation organizations is provided below. Taxa on these lists are reviewed for inclusion in the CNDDDB Special Animals List, but are not automatically included. For example, taxa that are regionally rare within a portion of California may not be included, because they may be of lesser conservation concern across their full range in California.

- **American Fisheries Society (AFS):**
  1. Designations for freshwater and diadromous species were taken from the paper:
    - Jelks, H.L., S.J. Walsh, N.M. Burkhead, S. Contreras-Balderas, E. Díaz-Pardo, D.A. Hendrickson, J. Lyons, N.E. Mandrak, F. McCormick, J.S. Nelson, S.P. Platania, B.A. Porter, C.B. Renaud, J.J. Schmitter-Soto, E.B. Taylor, and M.L. Warren, Jr. 2008. [Conservation status of imperiled North American freshwater and diadromous fishes](#). *Fisheries* 33(8):372-407.
  2. Designations for marine and estuarine species were taken from the paper:
    - Musick, J.A. 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.
- **Bureau of Land Management (BLM) Sensitive:** Bureau of Land Management Manual §6840 states that “BLM sensitive species are: (1) species listed or proposed for listing under the Endangered Species Act (ESA), and (2) species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the ESA, which are designated as Bureau sensitive by the State Director(s). All Federal candidate species, proposed species, and delisted species in the 5 years following delisting will be conserved as Bureau sensitive species.” Downloadable copies of the [California-BLM Special Status Animals and Sensitive Species Lists](#) are available.
- **California Department of Forestry and Fire Protection (CDF) Sensitive:** California Department of Forestry and Fire Protection classifies “sensitive species” as 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](#).
- **CDFW 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 California and/or federal endangered species acts; the exceptions are white-tailed kite, golden eagle, trumpeter swan, northern elephant seal, and ringtail cat. The white-tailed kite, golden eagle, and ringtail cat are tracked in the CNDDDB. The trumpeter swan and northern elephant seal are not tracked by the CNDDDB. 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, 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. [Senate Bill no. 147](#) (July 2023) removed American peregrine falcon, brown pelican, and thickettail chub as fully protected species under the Fish & Game Code because they have been delisted-recovered under CESA or are considered extinct.

- **CDFW Species of Special Concern (SSC):** It is the goal and responsibility of the Department of Fish and Wildlife 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 SSCs 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 SSCs 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 under state and/or federal endangered species acts.

- **CDFW Watch List Species:** Watch list species are taxa that were previously SSCs but do not currently meet SSC criteria, and for which there is concern and a need for additional information to clarify status.
- **International Union for Conservation of Nature (IUCN) Red List of Threatened Species:** The IUCN assesses, 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. Detailed information is available from the [IUCN Red List Online](#). When the CNDDDB tracks a subunit (such as subspecies, DPS, or ESU) that does not have an IUCN status, the CNDDDB either:
  1. Applies the IUCN status of the parent entity to the CNDDDB element if the IUCN status is Critical (CR), Endangered, (EN), or Vulnerable (VU)
  2. Does not apply the IUCN status of the parent entity to the CNDDDB element if the IUCN status is Near Threatened (NT), Least Concern (LC), or Data Deficient (DD).
- **Marine Mammal Commission (MMC) Marine Mammal Species of Special Concern:** Section 202 of the [Marine Mammal Protection Act](#) (MMPA) directs the MMC, in consultation with its Committee of Scientific Advisors, to make recommendations to the Department of Commerce, the Department of the Interior, and other federal agencies on research and management actions needed to conserve species of marine mammals. To meet this charge, the Commission devotes special attention to particular species and populations that are vulnerable to various types of human-related activities, impacts, and contaminants. Such species may include marine mammals listed as endangered or threatened under the federal ESA or as depleted under the MMPA. In addition, the Commission often directs special attention to other species or populations of marine mammals not so listed whenever special conservation challenges arise that may affect them. More information on the MMPA and the list of species is

available from the [MMC Marine Mammal Species and Populations of Concern website](#).

- **United States Forest Service (USFS) Sensitive:** The USDA Forest Service defines sensitive species as plant and animal species identified by a regional forester that are not listed or proposed for listing under 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. More information on California species can be found on the [Pacific Southwest Region \(Region 5\) Plants and Animals site](#), including links to download the [Regional Forester's Sensitive Animal Species List](#).
- **U.S. Fish and Wildlife Service (USFWS) Birds of Conservation Concern:** The goal of the [Birds of Conservation Concern 2021 report](#) is to accurately identify the migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent highest conservation priorities and draw attention to species in need of conservation action.

## Table of Special Status Code Abbreviations

<b>Organization</b>	<b>Abbreviation</b>
American Fisheries Society - Endangered	AFS_EN
American Fisheries Society - Threatened	AFS_TH
American Fisheries Society - Vulnerable	AFS_VU
Bureau of Land Management - Sensitive	BLM_S
Calif Dept of Forestry & Fire Protection - Sensitive	CDF_S
Calif Dept of Fish & Wildlife - Fully Protected	CDFW_FP
Calif Dept of Fish & Wildlife - Species of Special Concern	CDFW_SSC
Calif Dept of Fish & Wildlife - Watch List	CDFW_WL
IUCN - Critically Endangered	IUCN_CR
IUCN - Endangered	IUCN_EN
IUCN - Vulnerable	IUCN_VU
IUCN - Near Threatened	IUCN_NT
IUCN - Least Concern	IUCN_LC
IUCN - Data Deficient	IUCN_DD
Marine Mammal Commission - Species of Special Concern	MMC_SSC
U.S. Forest Service - Sensitive	USFS_S
U.S. Fish & Wildlife Service Birds of Conservation Concern	USFWS_BCC

# Special Animals List

(929 taxa)

Last updated July 2024

The remainder of this document contains the CNDDDB's Special Animals List, current as of the date on the title page of this document.

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Anodonta californiensis</i>	California floater		G3	S2?	None	None	USFS:S	Yes	
<i>Anodonta oregonensis</i>	Oregon floater		G5	S2?	None	None	IUCN:LC	Yes	
<i>Gonidea angulata</i>	western ridged mussel		G3	S2	None	None	IUCN:VU	Yes	
<i>Margaritifera falcata</i>	western pearlshell		G3G4	S1S2	None	None	IUCN:NT	Yes	
<i>Pisidium ultramontanum</i>	montane peaclam		G1	S1	None	None	IUCN:VU USFS:S	Yes	
<i>Ammonitella yatesii</i>	tight coin (=Yates' snail)		G1	S1	None	None	IUCN:VU	Yes	
<i>Ancotrema voyanum</i>	hooded lancetooth		G1G2	S1S2	None	None		Yes	
<i>Assimineia infima</i>	Badwater snail		G1	S1	None	None	IUCN:VU	Yes	
<i>Binneya notabilis</i>	Santa Barbara shelled slug		G1	S1	None	None	IUCN:DD	Yes	
<i>Colligyrus convexus</i>	canary duskysnail		G2	S2	None	None		Yes	
<i>Eremarionta immaculata</i>	white desertsnail		G1	S1	None	None	IUCN:VU	Yes	
<i>Eremarionta millepalmarum</i>	Thousand Palms desertsnail		G1	S1	None	None	IUCN:VU	No	
<i>Eremarionta morongoana</i>	Morongo (=Colorado) desertsnail		G1G3	S1	None	None	IUCN:NT	Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Eremarionta rowelli bakerensis</i>	Baker's desertsnailed		G3G4T1	S1	None	None	IUCN:DD	Yes	
<i>Eremarionta rowelli mccoiana</i>	California Mcco snail		G3G4T1	S1	None	None	IUCN:DD	Yes	
<i>Fluminicola seminalis</i>	nugget pebblesnailed		G2	S3	None	None	IUCN:DD USFS:S	Yes	
<i>Glyptostoma gabrielense</i>	San Gabriel chestnut		G2	S3	None	None		Yes	
<i>Haliotis corrugata</i>	pink abalone		G3?	S2?	None	None	IUCN:CR	No	
<i>Haliotis cracherodii</i>	black abalone		G3	S2	Endangered	None	IUCN:CR	Yes	
<i>Haliotis fulgens</i>	green abalone		G3G4	S2	None	None	IUCN:CR	No	
<i>Haliotis kamtschatkana</i>	pinto abalone		G3G4	S2	None	None	IUCN:EN	No	
<i>Haliotis sorenseni</i>	white abalone		G1	S2	Endangered	None	IUCN:CR	No	
<i>Haplotrema catalinense</i>	Santa Catalina lancetooth		G1	S1	None	None		Yes	
<i>Haplotrema durante</i>	ribbed lancetooth		G1G2	S1S2	None	None		Yes	
<i>Helisoma newberryi</i>	Great Basin rams-horn		G1	S1S2	None	None	USFS:S	Yes	
<i>Helminthoglypta allynsmithi</i>	Merced Canyon shoulderband		G1	S1	None	None	IUCN:VU	Yes	
<i>Helminthoglypta arrosa monticola</i>	mountain shoulderband		G2G3T1	S1	None	None		Yes	

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Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Helminthoglypta arrosa pomoensis</i>	Pomo bronze shoulderband		G2G3T1	S1	None	None	IUCN:DD	Yes	
<i>Helminthoglypta ayresiana sanctaecrucis</i>	Ayer's snail		G1G2T1T2	S1S2	None	None		Yes	
<i>Helminthoglypta callistoderma</i>	Kern shoulderband		G1	S1	None	None	IUCN:EN	Yes	
<i>Helminthoglypta coelata</i>	mesa shoulderband		G1	S1	None	None	IUCN:VU	Yes	
<i>Helminthoglypta concolor</i>	whitefir shoulderband		G1G2	S1S2	None	None		Yes	
<i>Helminthoglypta fontiphila</i>	Soledad shoulderband		G1	S1	None	None		Yes	
<i>Helminthoglypta greggi</i>	Mohave shoulderband		G2	S2	None	None		Yes	
<i>Helminthoglypta hertleini</i>	Oregon shoulderband		G3Q	S1S2	None	None		Yes	
<i>Helminthoglypta milleri</i>	peak shoulderband		G1	S1	None	None		Yes	
<i>Helminthoglypta mohaveana</i>	Victorville shoulderband		G1	S1	None	None	IUCN:NT	Yes	
<i>Helminthoglypta nickliniana awania</i>	Peninsula coast range shoulderband		G3T1	S1	None	None	IUCN:DD	Yes	
<i>Helminthoglypta nickliniana bridgesi</i>	Bridges' coast range shoulderband		G3T1	S1S2	None	None	IUCN:DD	Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Helminthoglypta sequoicola consors</i>	redwood shoulderband		G2T1	S1	None	None	IUCN:DD	Yes	
<i>Helminthoglypta stiversiana williamsi</i>	Williams' bronze shoulderband		G1G2T1	S1	None	None	IUCN:DD	Yes	
<i>Helminthoglypta talmadgei</i>	Trinity shoulderband		G2	S2	None	None		Yes	
<i>Helminthoglypta taylori</i>	westfork shoulderband		G1	S1	None	None		Yes	
<i>Helminthoglypta traskii pacoimensis</i>	Pacoima shoulderband		G1G2T1	S1	None	None		Yes	
<i>Helminthoglypta traskii traskii</i>	Trask shoulderband		G1G2T1	S2S3	None	None		Yes	
<i>Helminthoglypta uvasana</i>	Grapevine shoulderband		G1	S1	None	None		Yes	
<i>Helminthoglypta vasquezi</i>	Vasquez shoulderband		G1	S1	None	None		Yes	
<i>Helminthoglypta walkeriana</i>	Morro shoulderband		G2	S2	Threatened	None	IUCN:CR	Yes	
<i>Herpeteros angelus</i>	Soledad desertsnaail		G1	S1	None	None		No	
<i>Hesperarion plumbeus</i>	leaden slug		G2	S1S2	None	None		Yes	
<i>Ipnobius robustus</i>	robust tryonia		G1G2	S1	None	None		Yes	



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<i>Juga acutifilosa</i>	topaz juga		G2?	S2	None	None	IUCN:NT USFS:S	Yes	
<i>Juga chacei</i>	Chace juga		G1	S1	None	None	USFS:S	Yes	
<i>Juga occata</i>	scalloped juga		G1	S1	None	None	IUCN:EN USFS:S	Yes	
<i>Juga orickensis</i>	redwood juga		G2	S1S3	None	None		Yes	
<i>Lanx alta</i>	highcap lanx		G2G3	S3	None	None		Yes	
<i>Lanx patelloides</i>	kneecap lanx		G2?	S2	None	None	USFS:S	Yes	
<i>Littorina subrotundata</i>	Newcomb's littorine snail		G5	S1S2	None	None		No	
<i>Megomphix californicus</i>	Natural Bridge megomphix		G3	S3	None	None		Yes	
<i>Micrarionta facta</i>	Santa Barbara islandsnail		G1G2	S1S2	None	None	IUCN:VU	Yes	
<i>Micrarionta feralis</i>	San Nicolas islandsnail		G1	S1	None	None	IUCN:CR	Yes	
<i>Micrarionta gabбии</i>	San Clemente islandsnail		G1	S1	None	None	IUCN:VU	Yes	
<i>Micrarionta opuntia</i>	pricklypear islandsnail		G1	S1	None	None	IUCN:VU	Yes	
<i>Monadenia callipeplus</i>	downy sideband		G1?	S1S2	None	None		Yes	
<i>Monadenia chaceana</i>	Siskiyou shoulderband		G2G3	S2	None	None		Yes	
<i>Monadenia churchi</i>	Klamath sideband		G3	S3	None	None		Yes	

## Invertebrates

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<i>Monadenia circumcarinata</i>	keeled sideband		G3	S3	None	None	BLM:S IUCN:VU	Yes	
<i>Monadenia cristulata</i>	crested sideband		G1?	S1S2	None	None		Yes	
<i>Monadenia fidelis leonina</i>	A terrestrial snail		G4G5T1T2	S1S2	None	None		Yes	
<i>Monadenia fidelis pronotis</i>	rocky coast Pacific sideband		G4G5T1	S1	None	None	IUCN:DD	Yes	
<i>Monadenia infumata ochromphalus</i>	yellow-based sideband		G2T1T2	S1S2	None	None		Yes	
<i>Monadenia infumata setosa</i>	Trinity bristle snail		G2T2	S2	None	Threatened	IUCN:VU	Yes	
<i>Monadenia marmarotis</i>	marble sideband		G1	S1	None	None		Yes	
<i>Monadenia mormonum buttoni</i>	Button's Sierra sideband		G2T1T2	S1S2	None	None	IUCN:DD	Yes	
<i>Monadenia mormonum hirsuta</i>	hirsute Sierra sideband		G2T1	S1	None	None	BLM:S IUCN:DD	Yes	
<i>Monadenia troglodytes troglodytes</i>	Shasta sideband		G2T2	S2	None	None	USFS:S	Yes	
<i>Monadenia troglodytes wintu</i>	Wintu sideband		G2T2	S2	None	None	USFS:S	Yes	

## Invertebrates

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<i>Monadenia tuolumneana</i>	Tuolumne sideband		G1	S1	None	None	BLM:S	Yes	
<i>Monadenia yosemitensis</i>	Yosemite sideband		G1	S1S2	None	None		Yes	
<i>Noyo intersessa</i>	Ten Mile shoulderband		G2	S1S2	None	None		Yes	
<i>Pomatiopsis binneyi</i>	robust walker		G1	S1	None	None		Yes	
<i>Pomatiopsis californica</i>	Pacific walker		G1	S1	None	None	IUCN:DD	Yes	
<i>Pomatiopsis chacei</i>	marsh walker		G1	S2	None	None		Yes	
<i>Pristiloma shepardae</i>	Shepard's snail		G1	S1	None	None		Yes	
<i>Pristinicola hemphilli</i>	pristine pyrg		G3	S1	None	None	IUCN:DD USFS:S	Yes	
<i>Prophysaon sp. 1</i>	Klamath tailedropper		G3	S3	None	None		Yes	Yes
<i>Punctum hannai</i>	Trinity Spot		G1G2	S1S2	None	None		Yes	
<i>Pyrgulopsis aardahli</i>	Benton Valley (=Aahrdahl's) springsnail		G1	S1	None	None		Yes	
<i>Pyrgulopsis archimedis</i>	Archimedes pyrg		G1G2	S1S2	None	None		Yes	
<i>Pyrgulopsis cinerana</i>	Ash Valley pyrg		G1G2	S1S2	None	None		Yes	

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<i>Pyrgulopsis diablensis</i>	Diablo Range pyrg		G1	S1	None	None	IUCN:VU	Yes	
<i>Pyrgulopsis eremica</i>	Smoke Creek pyrg		G2	S2	None	None		Yes	
<i>Pyrgulopsis falciglans</i>	Likely pyrg		G1	S1	None	None		Yes	
<i>Pyrgulopsis gibba</i>	Surprise Valley pyrg		G3	S1S2	None	None		Yes	
<i>Pyrgulopsis greggi</i>	Kern River pyrg		G1	S1	None	None	IUCN:VU	Yes	
<i>Pyrgulopsis lasseni</i>	Willow Creek pyrg		G1G2	S1S2	None	None	USFS:S	Yes	
<i>Pyrgulopsis longae</i>	Long Valley pyrg		G1	S1	None	None		Yes	
<i>Pyrgulopsis owensensis</i>	Owens Valley springsnail		G1G2	S1S2	None	None	USFS:S	Yes	
<i>Pyrgulopsis perturbata</i>	Fish Slough springsnail		G1	S1	None	None		Yes	
<i>Pyrgulopsis rupinicola</i>	Sucker Springs pyrg		G1	S1	None	None		Yes	
<i>Pyrgulopsis taylori</i>	San Luis Obispo pyrg		G1	S1	None	None		Yes	
<i>Pyrgulopsis ventricosa</i>	Clear Lake pyrg		G1	S1	None	None	IUCN:CR	Yes	
<i>Pyrgulopsis wongi</i>	Wong's springsnail		G2	S2	None	None	IUCN:LC USFS:S	Yes	

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<i>Radiocentrum avalonense</i>	Catalina mountainsnail		G1	S1	None	None	IUCN:CR	Yes	
<i>Rothelix warnerfontis</i>	Warner Springs shoulderband		G1	S1	None	None	USFS:S	Yes	
<i>Sterkia clementina</i>	San Clemente Island blunt-top snail		G1	S1S2	None	None	IUCN:NT	Yes	
<i>Trilobopsis roperi</i>	Shasta chaparral		G2	S1	None	None	USFS:S	Yes	
<i>Trilobopsis tehamana</i>	Tehama chaparral		G2	S1	None	None	USFS:S	Yes	
<i>Tryonia imitator</i>	mimic tryonia (=California brackishwater snail)		G2	S2	None	None	IUCN:DD	Yes	
<i>Tryonia margae</i>	Grapevine Springs elongate tryonia		G1	S1	None	None		Yes	
<i>Tryonia rowlandsi</i>	Grapevine Springs squat tryonia		G1	S1	None	None		Yes	
<i>Vespericola karokorum</i>	Karok hesperian		G2	S2	None	None	IUCN:DD	Yes	
<i>Vespericola marinensis</i>	Marin hesperian		G2	S2	None	None		Yes	
<i>Vespericola pressleyi</i>	Big Bar hesperian		G1	S1	None	None	USFS:S	Yes	

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<i>Vespericola scotti</i>	Benson Gulch hesperian		G1	S1	None	None		Yes	
<i>Vespericola shasta</i>	Shasta hesperian		G3	S3	None	None	USFS:S	Yes	
<i>Vespericola sierranus</i>	Siskiyou hesperian		G3	S1S2	None	None		Yes	
<i>Xerarionta intercisa</i>	horseshoe snail		G1	S1	None	None	IUCN:VU	Yes	
<i>Xerarionta redimita</i>	wreathed cactusnail		G1G2	S1	None	None	IUCN:VU	Yes	
<i>Xerarionta tryoni</i>	Bicolor cactusnail		G1	S1	None	None	IUCN:VU	Yes	
<i>Aphrastochthonius grubbsi</i>	Grubbs' Cave pseudoscorpion		G1	S1	None	None		Yes	
<i>Aphrastochthonius similis</i>	Carlow's Cave pseudoscorpion		G1	S1	None	None		Yes	
<i>Archeolarca aalbei</i>	Aalbu's Cave pseudoscorpion		G1	S1	None	None		Yes	
<i>Banksula californica</i>	Alabaster Cave harvestman		GH	SH	None	None		Yes	
<i>Banksula galilei</i>	Galile's cave harvestman		G1	S1	None	None		Yes	
<i>Banksula grubbsi</i>	Grubbs' cave harvestman		G1	S1	None	None		Yes	
<i>Banksula incredula</i>	incredible harvestman		G1	S1	None	None		Yes	

## Invertebrates

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<i>Banksula martinorum</i>	Martins' cave harvestman		G1	S1	None	None		Yes	
<i>Banksula melones</i>	Melones Cave harvestman		G1	S1	None	None	IUCN:VU	Yes	
<i>Banksula rudolphi</i>	Rudolph's cave harvestman		G1	S1	None	None		Yes	
<i>Banksula tuolumne</i>	Tuolumne cave harvestman		G2	S1	None	None		Yes	
<i>Banksula tutankhamen</i>	King Tut Cave harvestman		G1	S1	None	None		Yes	
<i>Calicina arida</i>	San Benito harvestman		G1	S1	None	None		Yes	
<i>Calicina breva</i>	Stanislaus harvestman		G1	S1	None	None		Yes	
<i>Calicina cloughensis</i>	Clough Cave harvestman		G1	S1	None	None		Yes	
<i>Calicina conifera</i>	Crane Flat harvestman		G1	S1	None	None		Yes	
<i>Calicina diminua</i>	Marin blind harvestman		G1	S1	None	None		Yes	
<i>Calicina dimorphica</i>	Watts Valley harvestman		G1	S1	None	None		Yes	
<i>Calicina macula</i>	marbled harvestman		G1	S1	None	None		Yes	
<i>Calicina mesaensis</i>	Table Mountain harvestman		G1	S1	None	None		Yes	

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<i>Calicina minor</i>	Edgewood blind harvestman		G1	S1	None	None		Yes	
<i>Calicina piedra</i>	Piedra harvestman		G1	S1	None	None		Yes	
<i>Calileptoneta briggsi</i>	Briggs' leptonetid spider		G1	S1	None	None		Yes	
<i>Calileptoneta oasa</i>	Andreas Canyon leptonetid spider		G1	S1	None	None		Yes	
<i>Calileptoneta ubicki</i>	Ubick's leptonetid spider		G1	S1	None	None		Yes	
<i>Calileptoneta wapiti</i>	Mendocino leptonetid spider		G1	S1	None	None		Yes	
<i>Fissilicreagris imperialis</i>	Empire Cave pseudoscorpion		G1	S1	None	None	IUCN:VU	Yes	
<i>Hubbardia idria</i>	Idria short-tailed whipscorpion		G1	S1	None	None		Yes	
<i>Hubbardia secoensis</i>	Arroyo Seco short-tailed whipscorpion		G1	S1	None	None		Yes	



## Invertebrates

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<i>Hubbardia shoshonensis</i>	Shoshone Cave whip-scorpion		G1	S1	None	None	BLM:S	Yes	Yes
<i>Larca laceyi</i>	Lacey's Cave pseudoscorpion		G1	S1	None	None		Yes	
<i>Meta dolloff</i>	Dolloff Cave spider		G3	S3	None	None	IUCN:VU	Yes	
<i>Microcina edgewoodensis</i>	Edgewood Park micro-blind harvestman		G1	S1	None	None		Yes	
<i>Microcina homi</i>	Hom's micro-blind harvestman		G1	S2	None	None		Yes	
<i>Microcina jungi</i>	Jung's micro-blind harvestman		G1	S1	None	None		Yes	
<i>Microcina leei</i>	Lee's micro-blind harvestman		G1	S1	None	None		Yes	
<i>Microcina lumi</i>	Lum's micro-blind harvestman		G1	S1	None	None		Yes	
<i>Microcina tiburona</i>	Tiburon micro-blind harvestman		G2	S2	None	None		Yes	
<i>Neochthonius imperialis</i>	Empire Cave pseudoscorpion		G1	S1	None	None		Yes	

## Invertebrates

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<i>Pseudogarypus orpheus</i>	Music Hall Cave pseudoscorpion		G1	S1	None	None		Yes	
<i>Socalchemmis gertschi</i>	Gertsch's socialchemmis spider		G1	S1	None	None		Yes	
<i>Socalchemmis icenoglei</i>	Icenogle's socialchemmis spider		G1	S1	None	None		Yes	
<i>Socalchemmis monterey</i>	Monterey socialchemmis spider		G1	S1	None	None		Yes	
<i>Talanites moodyae</i>	Moody's gnaphosid spider		G2G3	S2S3	None	None		Yes	
<i>Talanites ubicki</i>	Ubick's gnaphosid spider		G1	S1	None	None		Yes	
<i>Texella deserticola</i>	Whitewater Canyon harvestman		G1	S1	None	None		Yes	
<i>Texella kokoweef</i>	Kokoweef Crystal Cave harvestman		G1	S1	None	None		Yes	
<i>Texella shoshone</i>	Shoshone Cave harvestman		G1	S1	None	None		Yes	

## Invertebrates

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<i>Artemia monica</i>	Mono Lake brine shrimp		G3	S3	None	None		Yes	
<i>Branchinecta campestris</i>	pocket pouch fairy shrimp		G2	S1	None	None		Yes	
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp		G2	S2	Endangered	None	IUCN:EN	Yes	
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp		G2	S2	Endangered	None	IUCN:EN	Yes	
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp		G3	S3	Threatened	None	IUCN:VU	Yes	
<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp		G2	S2S3	None	None		Yes	
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp		G2	S1	Endangered	None	IUCN:EN	Yes	
<i>Linderiella occidentalis</i>	California linderiella		G2G3	S2S3	None	None	IUCN:NT	Yes	
<i>Linderiella santarosae</i>	Santa Rosa Plateau fairy shrimp		G1G2	S1	None	None		Yes	
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp		G1G2	S2	Endangered	None	IUCN:EN	Yes	
<i>Lepidurus packardi</i>	vernal pool tadpole shrimp		G3	S3	Endangered	None	IUCN:EN	Yes	
<i>Dumontia oregonensis</i>	hairy water flea		G1G3	S1	None	None		Yes	
<i>Bowmanasellus sequoiae</i>	Sequoia cave isopod		G2	S2	None	None		Yes	

## Invertebrates

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<i>Caecidotea tomalensis</i>	Tomales isopod		G2	S2S3	None	None		Yes	
<i>Calasellus californicus</i>	An isopod		G2	S3	None	None		Yes	
<i>Calasellus longus</i>	An isopod		G1	S1	None	None		Yes	
<i>Hyaella muerta</i>	Texas Spring amphipod		G1	S1	None	None		Yes	Yes
<i>Hyaella sandra</i>	Death Valley amphipod		G1	S1	None	None		Yes	Yes
<i>Stygobromus cherylae</i>	Barr's amphipod		G1	S1	None	None		Yes	
<i>Stygobromus cowani</i>	Cowan's amphipod		G1	S1	None	None		Yes	
<i>Stygobromus gallawayae</i>	Gallaway's amphipod		G1	S1	None	None		Yes	
<i>Stygobromus gradyi</i>	Grady's Cave amphipod		G1	S1	None	None	IUCN:VU	Yes	
<i>Stygobromus grahami</i>	Graham's Cave amphipod		G2	S2	None	None		Yes	
<i>Stygobromus harai</i>	Hara's Cave amphipod		G1	S1	None	None	IUCN:VU	Yes	
<i>Stygobromus hyporheicus</i>	hyporheic amphipod		G1	SX	None	None		Yes	
<i>Stygobromus imperialis</i>	Empire Cave amphipod		G1	S1	None	None		Yes	

## Invertebrates

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<i>Stygobromus lacicolus</i>	Lake Tahoe amphipod		G1	S1	None	None		Yes	
<i>Stygobromus mackenziei</i>	Mackenzie's Cave amphipod		G1	S1	None	None	IUCN:VU	Yes	
<i>Stygobromus myersae</i>	Myer's amphipod		G1G2	S1S2	None	None		Yes	
<i>Stygobromus mysticus</i>	Secret Cave amphipod		G1	S1	None	None		Yes	
<i>Stygobromus rudolphi</i>	Rudolph's amphipod		G1	S1	None	None		Yes	
<i>Stygobromus sheldoni</i>	Sheldon's amphipod		G1	S1	None	None		Yes	
<i>Stygobromus sierrensis</i>	Sierra amphipod		G1	S1	None	None		Yes	
<i>Stygobromus tahoensis</i>	Lake Tahoe stygobromid		G1	S1	None	None		Yes	
<i>Stygobromus trinus</i>	Trinity County amphipod		G1	S1	None	None		Yes	
<i>Stygobromus wengerorum</i>	Wengerors' Cave amphipod		G1	S1	None	None	IUCN:VU	Yes	
<i>Pacifastacus fortis</i>	Shasta crayfish		G1	S1	Endangered	Endangered	IUCN:CR	Yes	
<i>Pacifastacus leniusculus klamathensis</i>	Klamath crayfish		G5T5	S4	None	None		No	
<i>Syncaris pacifica</i>	California freshwater shrimp		G2	S2	Endangered	Endangered	IUCN:EN	Yes	

## Invertebrates

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<i>Ischnura gemina</i>	San Francisco forktail damselfly		G2	S2	None	None	IUCN:EN	Yes	
<i>Capnia lacustra</i>	Lake Tahoe benthic stonefly		G1	S1	None	None		Yes	
<i>Cosumnoperla hypocrena</i>	Cosumnes stripetail		G2	S2	None	None		Yes	
<i>Aglaothorax longipennis</i>	Santa Monica shieldback katydid		G1G2	S1S2	None	None	IUCN:CR	Yes	
<i>Ammopelmatus kelsoensis</i>	Kelso jerusalem cricket		G1G2	S1S2	None	None	IUCN:VU	Yes	
<i>Ammopelmatus muwu</i>	Point Conception jerusalem cricket		G1	S1	None	None	IUCN:VU	Yes	
<i>Idiostatus kathleenae</i>	Pinnacles shieldback katydid		G1G2	S1S2	None	None		Yes	
<i>Idiostatus middlekauffi</i>	Middlekauff's shieldback katydid		G1G2	S1	None	None	IUCN:CR	Yes	
<i>Macrobaenetes algodonensis</i>	Algodones sand treader cricket		G1G2	S2	None	None		No	

## Invertebrates

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<i>Macrobaenetes kelsoensis</i>	Kelso giant sand treader cricket		G2	S2	None	None	IUCN:VU	Yes	
<i>Macrobaenetes valgum</i>	Coachella giant sand treader cricket		G1G2	S2	None	None	IUCN:VU	Yes	
<i>Pristoceuthophilus sp. 1</i>	Samwell Cave cricket		G1G3	S1	None	None	IUCN:VU	Yes	
<i>Psychomastax deserticola</i>	desert monkey grasshopper		G2G3	S1	None	None	IUCN:VU	Yes	
<i>Stenopelmatus cahullaensis</i>	Coachella Valley jerusalem cricket		G1G2	S2	None	None	IUCN:VU	Yes	
<i>Tetrix sierrana</i>	Sierra pygmy grasshopper		G1G2	S1	None	None	IUCN:VU	Yes	
<i>Trimerotropis infantilis</i>	Zayante band-winged grasshopper		G1	S1	Endangered	None	IUCN:EN	Yes	
<i>Trimerotropis occidentiloides</i>	Santa Monica grasshopper		G2	S2	None	None	IUCN:EN	Yes	
<i>Trimerotropis oculens</i>	Lompoc grasshopper		G1G2	S1S2	None	None	IUCN:EN	Yes	
<i>Ambrysus funebris</i>	Nevares Spring naucorid bug		G1	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Belostoma saratogae</i>	Saratoga Springs belostoman bug		G1	S1	None	None		Yes	
<i>Oravelia pege</i>	Dry Creek cliff strider bug		G1	S1	None	None		Yes	
<i>Pelocoris biimpressus</i>	Amargosa naucorid bug		G1G3	S1S2	None	None		Yes	
<i>Saldula usingeri</i>	Wilbur Springs shorebug		G2	S2	None	None		Yes	
<i>Oliarces clara</i>	cheeseweed owlfly (cheeseweed moth lacewing)		G1G3	S2	None	None		Yes	
<i>Aegialia concinna</i>	Ciervo aegilian scarab beetle		G1	S1	None	None	BLM:S IUCN:VU	Yes	
<i>Agabus rumpfi</i>	Death Valley agabus diving beetle		G1G3	S1S2	None	None		Yes	
<i>Agrilus harenus</i>	Harenus jewel beetle		G1	S1	None	None		Yes	
<i>Anomala carlsoni</i>	Carlson's dune beetle		G1	S1	None	None		Yes	
<i>Anomala hardyorum</i>	Hardy's dune beetle		G1	S1	None	None		Yes	
<i>Anthicus antiochensis</i>	Antioch Dunes anthicid beetle		G3	S3	None	None		Yes	



## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Anthicus sacramento</i>	Sacramento anthicid beetle		G4	S4	None	None	IUCN:EN	Yes	
<i>Atractelmis wawona</i>	Wawona riffle beetle		G3	S1S2	None	None		Yes	
<i>Chaetarthria leechi</i>	Leech's chaetarthrian water scavenger beetle		G1?	S1	None	None		Yes	
<i>Cicindela hirticollis abrupta</i>	Sacramento Valley tiger beetle		G5TH	SH	None	None		Yes	
<i>Cicindela hirticollis gravida</i>	sandy beach tiger beetle		G5T2	S2	None	None		Yes	
<i>Cicindela latesignata</i>	western beach tiger beetle		G2G3	S1	None	None		Yes	
<i>Cicindela ohlone</i>	Ohlone tiger beetle		G1	S1	Endangered	None		Yes	
<i>Cicindela senilis frosti</i>	senile tiger beetle		G2G3T1T3	S1	None	None		Yes	
<i>Cicindela tranquebarica joaquinensis</i>	San Joaquin tiger beetle		G5T1	S1	None	None		Yes	
<i>Cicindela tranquebarica viridissima</i>	greenest tiger beetle		G5T1	S1	None	None		Yes	
<i>Coelus globosus</i>	globose dune beetle		G1G2	S1S2	None	None	IUCN:VU	Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Coelus gracilis</i>	San Joaquin dune beetle		G1	S1	None	None	BLM:S IUCN:VU	Yes	
<i>Coenonycha clementina</i>	San Clemente Island coenonycha beetle		G1G2	S1S2	None	None		Yes	
<i>Cyclocephala wandae</i>	Wandae dune beetle		G1G2	S1	None	None		Yes	
<i>Deltaspis ivae</i>	marsh-elder long-horned beetle		G1	S1	None	None		Yes	
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle		G3T3	S3	Threatened	None		Yes	
<i>Dinacoma caseyi</i>	Casey's June beetle		G1	S1	Endangered	None		Yes	
<i>Dubiraphia brunnescens</i>	brownish dubiraphian riffle beetle		G1	S1	None	None		Yes	
<i>Dubiraphia giulianii</i>	Giuliani's dubiraphian riffle beetle		G1G3	S1S3	None	None		Yes	
<i>Elaphrus viridis</i>	Delta green ground beetle		G1	S1	Threatened	None	IUCN:CR	Yes	
<i>Glaresis arenata</i>	Kelso Dunes scarab glaresis beetle		G2	S2	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Habroscelimorpha gabbii</i>	western tidal-flat tiger beetle		G2G4	S1	None	None		Yes	
<i>Hydrochara rickseckeri</i>	Ricksecker's water scavenger beetle		G2?	S2?	None	None		Yes	
<i>Hydroporus leechi</i>	Leech's skyline diving beetle		G1?	S2S3	None	None		Yes	
<i>Hydroporus simplex</i>	simple hydroporus diving beetle		G3G4	S3S4	None	None		Yes	
<i>Hygrotus curvipes</i>	curved-foot hygrotus diving beetle		G2	S2	None	None		Yes	
<i>Hygrotus fontinalis</i>	travertine band-thigh diving beetle		G1	S1	None	None		Yes	
<i>Juniperella mirabilis</i>	juniper metallic wood-boring beetle		G2	S1	None	None		Yes	
<i>Lepismadora algodones</i>	Algodones sand jewel beetle		G1G2	S1S2	None	None		Yes	
<i>Lichnanthe albipilosa</i>	white sand bear scarab beetle		G1	S1	None	None		Yes	
<i>Lichnanthe ursina</i>	bumblebee scarab beetle		G2	S2	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Lytta hoppingi</i>	Hopping's blister beetle		G1G2	S2	None	None		Yes	
<i>Lytta insperata</i>	Mojave Desert blister beetle		G1G2	S1S2	None	None		No	
<i>Lytta moesta</i>	moestan blister beetle		G2	S2	None	None		Yes	
<i>Lytta molesta</i>	molestan blister beetle		G2	S2	None	None		Yes	
<i>Lytta morrisoni</i>	Morrison's blister beetle		G1G2	S2	None	None		Yes	
<i>Microcylloepus formicoideus</i>	Furnace Creek riffle beetle		G1	S1	None	None		Yes	
<i>Miloderes nelsoni</i>	Nelson's miloderes weevil		G2	S2	None	None		Yes	
<i>Nebria darlingtoni</i>	South Forks ground beetle		G1	S1	None	None		Yes	
<i>Nebria gebleri siskiyouensis</i>	Siskiyou ground beetle		G4G5T4	S1S2	None	None		Yes	
<i>Nebria sahlbergii triad</i>	Trinity Alps ground beetle		G5T1	S1	None	None		Yes	
<i>Ochthebius crassalus</i>	wing shoulder minute moss beetle		G1G3	S1S3	None	None		No	
<i>Ochthebius recticulus</i>	Wilbur Springs minute moss beetle		G1	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Onychobaris langei</i>	Lange's El Segundo Dune weevil		G1	S1	None	None		Yes	
<i>Optioservus canus</i>	Pinnacles optioservus riffle beetle		G2	S1	None	None		Yes	
<i>Palaeoxenus dohrni</i>	Dohrn's elegant eucnemid beetle		G3?	S1S2	None	None		Yes	
<i>Polyphylla anteronivea</i>	Saline Valley snow-front June beetle		G2	S2	None	None		Yes	
<i>Polyphylla barbata</i>	Mount Hermon (=barbate) June beetle		G1	S2	Endangered	None		Yes	
<i>Polyphylla erratica</i>	Death Valley June beetle		G1G2	S1S2	None	None		Yes	
<i>Polyphylla morroensis</i>	Morro Bay June beetle		G1	S1	None	None		Yes	
<i>Polyphylla nubila</i>	Atascadero June beetle		G1	S1	None	None		Yes	
<i>Prasinalia imperialis</i>	Algodones white wax jewel beetle		G2	S2	None	None		No	
<i>Pseudocotalpa andrewsi</i>	Andrew's dune scarab beetle		G1	S1	None	None		Yes	
<i>Scaphinotus behrensi</i>	Behrens' snail-eating beetle		G2G4	S2S4	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Trachykele hartmani</i>	serpentine cypress wood-boring beetle		G1	S1	None	None		Yes	
<i>Trichinorhipis knulli</i>	Knull's metallic wood-boring beetle		G1	S1	None	None		Yes	
<i>Trigonoscuta brunnotesselata</i>	brown tassel trigonoscuta weevil		G1G2	S1	None	None		Yes	
<i>Trigonoscuta dorothea dorothea</i>	Dorothy's El Segundo Dune weevil		G1T1	S1	None	None		Yes	
<i>Trigonoscuta rothi algodones</i>	Algodones dune weevil		G1G2T1	S1	None	None		No	
<i>Trigonoscuta rothi imperialis</i>	Imperial dune weevil		G1G2T1	S1	None	None		No	
<i>Trigonoscuta rothi punctata</i>	Punctate dune weevil		G1G2T1	S1	None	None		No	
<i>Trigonoscuta rothi rothi</i>	Roth's dune weevil		G1G2T1	S1	None	None		No	
<i>Trigonoscuta sp.</i>	Doyen's trigonoscuta dune weevil		G1Q	S1	None	None		Yes	Yes
<i>Trigonoscuta stantoni</i>	Santa Cruz Island shore weevil		G1	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Vandykea tuberculata</i>	serpentine cypress long-horned beetle		G1	S2	None	None		Yes	
<i>Orobittacus obscurus</i>	gold rush hanging scorpionfly		G1	S1	None	None		Yes	
<i>Ablautus schlingeri</i>	Oso Flaco robber fly		G2	S2	None	None		Yes	
<i>Apiocera warneri</i>	Glamis sand fly		G1G2	S1	None	None		Yes	
<i>Brennania belkini</i>	Belkin's dune tabanid fly		G1G2	S1S2	None	None	IUCN:VU	Yes	
<i>Cophura hurdi</i>	Antioch cophuran robberfly		GX	SX	None	None		Yes	
<i>Efferia antiochi</i>	Antioch efferian robberfly		G1G2	S1S2	None	None		Yes	
<i>Efferia macroxipha</i>	Glamis robberfly		G1G2	S2S3	None	None		Yes	
<i>Metapogon hurdi</i>	Hurd's metapogon robberfly		G1G2	S1S2	None	None		Yes	
<i>Paracoenia calida</i>	Wilbur Springs shore fly		G1	S1	None	None		Yes	
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly		G1T1	S1	Endangered	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Rhaphiomidas terminatus terminatus</i>	El Segundo flower-loving fly		G1T1	S1	None	None		Yes	
<i>Rhaphiomidas trochilus</i>	San Joaquin Valley giant flower-loving fly		G1	S1	None	None		Yes	
<i>Adela oplerella</i>	Opler's longhorn moth		G2	S2	None	None		Yes	
<i>Apodemia mormo langei</i>	Lange's metalmark butterfly		G5T1	S1	Endangered	None		Yes	
<i>Areniscythis brachypteris</i>	Oso Flaco flightless moth		G2	S2	None	None		Yes	
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly		G4T2	S2	Endangered	None		Yes	
<i>Callophrys mossii hidakupa</i>	San Gabriel Mountains elfin butterfly		G4T1T2	S1S2	None	None	USFS:S	Yes	
<i>Callophrys mossii marinensis</i>	Marin elfin butterfly		G4T1	S2	None	None		Yes	
<i>Callophrys sheridanii comstocki</i>	desert green hairstreak		G5T3T4	S1S2	None	None		No	
<i>Callophrys thornei</i>	Thorne's hairstreak		G3G4T2	S2	None	None	BLM:S	Yes	Yes
<i>Carterocephalus palaemon magnus</i>	Sonoma arctic skipper		G5T5	S1S3	None	None		Yes	



## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Cercyonis pegala carsonensis</i>	Carson Valley wood nymph		G5T1T2	S1S2	None	None		No	
<i>Chlosyne leanira elegans</i>	Oso Flaco patch butterfly		G4G5T1T2	S1S2	None	None		Yes	
<i>Coenonympha tullia yontockett</i>	Yontocket satyr		G5T1T2	S1S2	None	None		Yes	
<i>Danaus plexippus plexippus pop. 1</i>	monarch - California overwintering population		G4T1T2Q	S2	Candidate	None	IUCN:EN USFS:S	Yes	
<i>Euchloe hyantis andrewsi</i>	Andrew's marble butterfly		G3G4T2	S2	None	None		Yes	
<i>Eugnosta busckana</i>	Busck's gallmoth		G1G3	S2S3	None	None		Yes	
<i>Euphilotes allyni</i>	El Segundo blue butterfly		G1?	S1	Endangered	None		Yes	
<i>Euphilotes baueri</i>	Bauer's dotted-blue		G2	S1S2	None	None	USFS:S	No	
<i>Euphilotes enoptes smithi</i>	Smith's blue butterfly		G5T2	S2	Endangered	None		Yes	
<i>Euphilotes glaucon comstocki</i>	Comstock's blue butterfly		G5T2	S2	None	None		Yes	
<i>Euphilotes mojave</i>	Mojave dotted-blue		G3	S3	None	None		No	
<i>Euphydryas editha bayensis</i>	Bay checkerspot butterfly		G5T1	S3	Threatened	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Euphydryas editha monoensis</i>	Mono checkerspot butterfly		G4G5T2	S1S2	None	None	USFS:S	Yes	
<i>Euphydryas editha quino</i>	quino checkerspot butterfly		G4G5T1T2	S1S2	Endangered	None		Yes	
<i>Euphyes vestris harbisoni</i>	dun skipper		G5T1	S1S2	None	None		No	
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth		G1G2	S1	Threatened	None		Yes	Yes
<i>Glaucopsyche lygdamus palosverdesensis</i>	Palos Verdes blue butterfly		G5T1	S1	Endangered	None		Yes	
<i>Hesperia miriamae longaevicola</i>	White Mountains skipper		G2G3T1T2	S1	None	None		Yes	
<i>Hesperopsis graciellae</i>	MacNeill's sootywing		G2?	S1S2	None	None		No	
<i>Icaricia icarioides albihalos</i>	White Mountains icarioides blue butterfly		G5T2T3	S1	None	None		Yes	
<i>Icaricia icarioides missionensis</i>	Mission blue butterfly		G5T2	S2	Endangered	None		Yes	
<i>Icaricia icarioides moroensis</i>	Morro Bay blue butterfly		G5T2	S2	None	None		Yes	
<i>Icaricia icarioides parapheres</i>	Point Reyes blue butterfly		G5T1T2	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Icaricia icarioides pheres</i>	Pheres blue butterfly		G5TX	SX	None	None		Yes	
<i>Icaricia saepiolus albomontanus</i>	White Mountains saepiolus blue butterfly		G5T2	S1	None	None		Yes	
<i>Icaricia saepiolus aureolus</i>	San Gabriel Mountains blue butterfly		G5T1	S1	None	None	USFS:S	Yes	
<i>Lycaena hermes</i>	Hermes copper butterfly		G1	S1	Threatened	None	IUCN:VU USFS:S	Yes	
<i>Lycaena rubidus incana</i>	White Mountains copper		G5T2T3	S1	None	None		No	
<i>Panoquina errans</i>	wandering (=saltmarsh) skipper		G4	S2	None	None	IUCN:NT	Yes	
<i>Pelochrista hennei</i>	Henne's eucosman moth		G1	S1	None	None		Yes	
<i>Philotiella speciosa bohartorum</i>	Boharts' blue butterfly		G3T1	S1	None	None		Yes	
<i>Plebejus anna lotis</i>	lotis blue butterfly		G4TH	SH	Endangered	None		Yes	
<i>Plebulina emigdionis</i>	San Emigdio blue butterfly		G1G2	S1S2	None	None	USFS:S	Yes	
<i>Polites mardon</i>	mardon skipper		G2	S1	None	None	USFS:S	Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Polites sabuleti albamontana</i>	White Mountains sandhill skipper		G5T2	S1S2	None	None		No	
<i>Pseudocopaeodes eunus eunus</i>	alkali skipper		G3T2	S2	None	None		No	
<i>Pseudocopaeodes eunus obscurus</i>	Carson wandering skipper		G3T1	S2	Endangered	None		Yes	
<i>Pyrgus ruralis lagunae</i>	Laguna Mountains skipper		G4G5T1	S1	Endangered	None		Yes	
<i>Speyeria adiaste adiaste</i>	unsilvered fritillary		G1G2T1	S1S2	None	None		Yes	
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly		G5T1	S1	Endangered	None		Yes	
<i>Speyeria egleis tehachapina</i>	Tehachapi Mountain silverspot butterfly		G5T2	S2	None	None	USFS:S	Yes	
<i>Speyeria nokomis carsonensis</i>	Carson Valley silverspot		G3T1T2	S1	None	None		Yes	
<i>Speyeria zerene behrensii</i>	Behren's silverspot butterfly		G5T1	S1	Endangered	None		Yes	
<i>Speyeria zerene hippolyta</i>	Oregon silverspot butterfly		G5T1	S1	Threatened	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Speyeria zerene myrtleae</i>	Myrtle's silverspot butterfly		G5T1	S1	Endangered	None		Yes	Yes
<i>Speyeria zerene sonomensis</i>	Sonoma zerene fritillary		G5T1	S1	None	None		Yes	
<i>Cryptochia denningi</i>	Denning's cryptic caddisfly		G1G2	S1S2	None	None		Yes	
<i>Cryptochia excella</i>	Kings Canyon cryptochian caddisfly		G1G2	S2S3	None	None		Yes	
<i>Cryptochia shasta</i>	confusion caddisfly		G1G2	S1	None	None		Yes	
<i>Desmona bethula</i>	amphibious caddisfly		G2G3	S2S3	None	None		Yes	
<i>Diplectrona californica</i>	California diplectronan caddisfly		G1G2	S1	None	None		Yes	
<i>Ecclisomyia bilera</i>	Kings Creek ecclisomyian caddisfly		G2	S2	None	None		Yes	
<i>Farula praelonga</i>	long-tailed caddisfly		G1G2	S1S2	None	None		Yes	
<i>Goeracea oregona</i>	Sagehen Creek goeracean caddisfly		G3	S1S2	None	None		Yes	
<i>Lepidostoma ermanae</i>	Cold Spring caddisfly		G1	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Limnephilus atercus</i>	Fort Dick limnephilus caddisfly		G3G4	S1S2	None	None		Yes	
<i>Neothremma genella</i>	golden-horned caddisfly		G1G2	S2S3	None	None		Yes	
<i>Neothremma siskiyou</i>	Siskiyou caddisfly		G1G2	S1	None	None		No	
<i>Parapsyche extensa</i>	King's Creek parapsyche caddisfly		G1	S1	None	None		Yes	
<i>Rhyacophila lineata</i>	Castle Crags rhyacophilan caddisfly		G1	S1	None	None		Yes	
<i>Rhyacophila mosana</i>	bilobed rhyacophilan caddisfly		G1Q	S1	None	None		Yes	
<i>Rhyacophila spinata</i>	spiny rhyacophilan caddisfly		G1G2	S3	None	None		Yes	
<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee		G2	S1	None	None		Yes	
<i>Andrena macswaini</i>	An andrenid bee		G2	S2	None	None		Yes	
<i>Andrena subapasta</i>	An andrenid bee		G1G2	S1S2	None	None		Yes	
<i>Argochrysis lassenae</i>	Lassen cuckoo wasp		G2	S2	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Ashmeadiella chumashae</i>	Channel Islands leaf-cutter bee		G2?	S3	None	None		Yes	
<i>Bombus caliginosus</i>	obscure bumble bee		G2G3	S1S2	None	None	IUCN:VU	Yes	
<i>Bombus crotchii</i>	Crotch's bumble bee		G2	S2	None	Candidate Endangered	IUCN:EN	Yes	Yes
<i>Bombus franklini</i>	Franklin's bumble bee		G1	SH	Endangered	Candidate Endangered	IUCN:CR	Yes	Yes
<i>Bombus morrisoni</i>	Morrison bumble bee		G3	S1S2	None	None	IUCN:VU	Yes	
<i>Bombus occidentalis</i>	western bumble bee		G3	S1	None	Candidate Endangered	IUCN:VU USFS:S	Yes	Yes
<i>Bombus pensylvanicus</i>	American bumble bee		G3G4	S2	None	None	IUCN:VU	Yes	
<i>Bombus suckleyi</i>	Suckley's cuckoo bumble bee		G2G3	S1	None	Candidate Endangered	IUCN:CR	Yes	Yes
<i>Ceratochrysis bradleyi</i>	Bradley's cuckoo wasp		G1	S1	None	None		Yes	
<i>Ceratochrysis gracilis</i>	Piute Mountains cuckoo wasp		G1	S1	None	None		Yes	
<i>Ceratochrysis longimala</i>	Desert cuckoo wasp		G1	S1	None	None		Yes	
<i>Ceratochrysis menkei</i>	Menke's cuckoo wasp		G2	S2	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Chrysis tularensis</i>	Tulare cuckoo wasp		G1G2	S2	None	None		Yes	
<i>Cleptes humboldti</i>	Humboldt cuckoo wasp		G1G2	S1S2	None	None		Yes	
<i>Dufourea stagei</i>	Stage's dufourine bee		G1G2	S1	None	None		Yes	
<i>Eucerceris ruficeps</i>	redheaded sphecid wasp		G1G3	S2	None	None		Yes	
<i>Euparagia unidentata</i>	Algodones euparagia		G1G2	S1S2	None	None		Yes	
<i>Habropoda pallida</i>	white faced bee		G3	S3	None	None		No	
<i>Halictus harmonius</i>	haromonius halictid bee		G3	S3	None	None		Yes	
<i>Hedychridium argenteum</i>	Riverside cuckoo wasp		G1G2	S1S2	None	None		Yes	
<i>Hedychridium milleri</i>	Borax Lake cuckoo wasp		G1	S1	None	None		Yes	
<i>Lasioglossum channelense</i>	Channel Island sweat bee		G3	S3	None	None		Yes	
<i>Melitta californica</i>	California mellitid bee		G4?	S2?	None	None		Yes	
<i>Microbembex elegans</i>	Algodones elegant sand wasp		G1G2	S1	None	None		Yes	
<i>Minymischa ventura</i>	Ventura cuckoo wasp		GU	SU	None	None		Yes	



## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Myrmosula pacifica</i>	Antioch multilid wasp		GH	SH	None	None		Yes	
<i>Neolarra alba</i>	white cuckoo bee		GH	SH	None	None		Yes	
<i>Paranomada californica</i>	California cuckoo bee		G1	S1	None	None		Yes	
<i>Parnopes borregoensis</i>	Borrego parnopes cuckoo wasp		G1G2	S1S2	None	None		Yes	
<i>Perdita algodones</i>	Algodones perdita		G1	S1	None	None		Yes	
<i>Perdita frontalis</i>	Imperial Perdita		G1G2	S1S2	None	None		Yes	
<i>Perdita hirticeps luteocincta</i>	yellow-banded andrenid bee		GNRTX	SX	None	None		Yes	
<i>Perdita scitula antiochensis</i>	Antioch andrenid bee		G1T1	S2	None	None		Yes	
<i>Perdita stephanomeriae</i>	a miner bee		GNR	S1S2	None	None		Yes	
<i>Philanthus nasalis</i>	Antioch specid wasp		G2	S2	None	None		Yes	
<i>Protodufourea wasbaueri</i>	Wasbauer's protodufourea bee		G1	S1	None	None		Yes	
<i>Protodufourea zavortinki</i>	Zavortink's protodufourea bee		G1	S1	None	None		Yes	

## Invertebrates

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Rhopalolemma robertsi</i>	Roberts' rhopalolemma bee		G1	S1	None	None		Yes	
<i>Sedomaya glamisensis</i>	Glamis night tiphid		G1	S1	None	None		No	
<i>Sphaerophthalma ecarinata</i>	Glamis night mutillid		G1	S1	None	None		No	
<i>Sphecodogastra antiochensis</i>	Antioch Dunes halcetid bee		G1	S1	None	None		Yes	
<i>Stictiella villegasi</i>	Algodones sand wasp		G1	S1	None	None		No	
<i>Trachusa gummifera</i>	San Francisco Bay Area leaf-cutter bee		G1	S1	None	None		Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Entosphenus folletti</i>	northern California brook lamprey		G1G2	S1S2	None	None	CDFW:SSC	Yes	
<i>Entosphenus lethophagus</i>	Pit-Klamath brook lamprey		G3G4	S3	None	None	AFS:VU CDFW:SSC IUCN:LC	Yes	
<i>Entosphenus similis</i>	Klamath River lamprey		G3G4Q	S3	None	None	AFS:TH CDFW:SSC IUCN:NT USFS:S	Yes	
<i>Entosphenus tridentatus</i>	Pacific lamprey		G4	S3	None	None	AFS:VU BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Entosphenus tridentatus ssp. 1</i>	Goose Lake lamprey		G4T1	S1	None	None	AFS:VU CDFW:SSC USFS:S	Yes	
<i>Lampetra ayresii</i>	western river lamprey		G5	S3	None	None	AFS:VU CDFW:SSC IUCN:LC	No	
<i>Lampetra hubbsi</i>	Kern brook lamprey		G1G2	S1S2	None	None	AFS:TH CDFW:SSC IUCN:VU USFS:S	Yes	
<i>Lampetra richardsoni</i>	western brook lamprey		G4G5	S3S4	None	None	CDFW:SSC IUCN:LC USFS:S	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Acipenser medirostris</i> <i>pop. 1</i>	green sturgeon - southern DPS		G2T1	S1	Threatened	None	AFS:VU CDFW:SSC IUCN:EN	Yes	
<i>Acipenser medirostris</i> <i>pop. 2</i>	green sturgeon - northern DPS		G2T1	S1	None	None	AFS:VU CDFW:SSC IUCN:VU	Yes	
<i>Acipenser transmontanus</i>	white sturgeon		G3	S2	None	None	AFS:EN CDFW:SSC IUCN:VU	No	
<i>Oncorhynchus clarkii clarkii</i>	coast cutthroat trout		G5T4	S3	None	None	AFS:VU CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout		G5T3	S2	Threatened	None	AFS:TH CDFW:SSC	Yes	
<i>Oncorhynchus clarkii seleniris</i>	Paiute cutthroat trout		G5T1	S1	Threatened	None	AFS:EN CDFW:SSC	Yes	
<i>Oncorhynchus gorboscha</i>	pink salmon		G5	S1	None	None		Yes	
<i>Oncorhynchus keta</i>	chum salmon		G5	S1	None	None		No	
<i>Oncorhynchus kisutch</i> <i>pop. 2</i>	coho salmon - southern Oregon / northern California ESU		G5T2Q	S2	Threatened	Threatened	AFS:TH	Yes	Yes

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Oncorhynchus kisutch</i> pop. 4	coho salmon - central California coast ESU		G5T2Q	S2	Endangered	Endangered	AFS:EN	Yes	Yes
<i>Oncorhynchus mykiss aguabonita</i>	California golden trout		G5T1	S1	None	None	AFS:TH CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus mykiss aquilarum</i>	Eagle Lake rainbow trout		G5T1	S1	None	None	AFS:TH CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus mykiss gilberti</i>	Kern River rainbow trout		G5T1Q	S1	None	None	AFS:TH CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus mykiss irideus</i> pop. 1	steelhead - Klamath Mountains Province DPS		G5T3Q	S2	None	None	CDFW:SSC USFS:S	No	Yes
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead - southern California DPS		G5T1Q	S1	Endangered	Candidate Endangered	AFS:EN	Yes	Yes
<i>Oncorhynchus mykiss irideus</i> pop. 11	steelhead - Central Valley DPS		G5T2Q	S2	Threatened	None	AFS:TH CDFW:SSC	Yes	Yes
<i>Oncorhynchus mykiss irideus</i> pop. 48	steelhead - northern California DPS summer-run		G5T2Q	S2	Threatened	Endangered	AFS:TH	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Oncorhynchus mykiss irideus</i> pop. 49	steelhead - northern California DPS winter-run		G5T3Q	S3	Threatened	None	AFS:TH CDFW:SSC	Yes	
<i>Oncorhynchus mykiss irideus</i> pop. 8	steelhead - central California coast DPS		G5T3Q	S3	Threatened	None	AFS:TH CDFW:SSC	Yes	Yes
<i>Oncorhynchus mykiss irideus</i> pop. 9	steelhead - south-central California coast DPS		G5T2Q	S2	Threatened	None	AFS:TH CDFW:SSC	Yes	Yes
<i>Oncorhynchus mykiss</i> ssp. 1	Goose Lake redband trout		G5T2Q	S2	None	None	AFS:VU CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus mykiss</i> ssp. 2	McCloud River redband trout		G5T1T2	S1S2	None	None	AFS:VU CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus mykiss</i> ssp. 3	Warner Valley redband trout		G5T2Q	S1?	None	None	AFS:VU USFS:S	No	
<i>Oncorhynchus mykiss whitei</i>	Little Kern golden trout		G5T2	S3	Threatened	None	AFS:EN CDFW:SSC	Yes	
<i>Oncorhynchus tshawytscha</i> pop. 11	chinook salmon - Central Valley spring-run ESU		G5T2Q	S2	Threatened	Threatened	AFS:TH	Yes	Yes
<i>Oncorhynchus tshawytscha</i> pop. 13	chinook salmon - Central Valley fall / late fall-run ESU		G5T3Q	S3	None	None	AFS:VU CDFW:SSC USFS:S	No	Yes

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Oncorhynchus tshawytscha</i> pop. 14	chinook salmon - southern Oregon/northern California coastal		G5T3Q	S2	None	None	CDFW:SSC	No	
<i>Oncorhynchus tshawytscha</i> pop. 17	chinook salmon - California coastal ESU		G5T2Q	S2	Threatened	None	AFS:TH CDFW:SSC	Yes	Yes
<i>Oncorhynchus tshawytscha</i> pop. 30	chinook salmon - upper Klamath and Trinity Rivers ESU		G5T2Q	S2	Candidate	Threatened	CDFW:SSC USFS:S	Yes	
<i>Oncorhynchus tshawytscha</i> pop. 7	chinook salmon - Sacramento River winter-run ESU		G5T1Q	S2	Endangered	Endangered	AFS:EN	Yes	
<i>Prosopium williamsoni</i>	mountain whitefish		G5	S3	None	None	CDFW:SSC	Yes	
<i>Salvelinus confluentus</i>	bull trout		G5	SX	Threatened	Endangered	IUCN:VU	Yes	
<i>Hypomesus transpacificus</i>	Delta smelt		G1	S1	Threatened	Endangered	AFS:TH IUCN:CR	Yes	
<i>Spirinchus thaleichthys</i>	longfin smelt		G5	S1	Proposed Endangered	Threatened	IUCN:LC	Yes	Yes
<i>Thaleichthys pacificus</i>	eulachon		G5	S1	Threatened	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Gila coerulea</i>	blue chub		G3G4	S2S3	None	None	CDFW:SSC IUCN:LC	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Gila elegans</i>	bonytail		G1	S1	Endangered	Endangered	AFS:EN IUCN:CR	Yes	
<i>Gila orcuttii</i>	arroyo chub		G2	S2	None	None	AFS:VU CDFW:SSC IUCN:VU USFS:S	Yes	
<i>Hesperoleucus mitrulus</i>	northern roach		G2	S2	None	None	AFS:VU CDFW:SSC	Yes	
<i>Hesperoleucus parvipinnis</i>	Gualala roach		G3	S3	None	None	CDFW:SSC	Yes	
<i>Hesperoleucus symmetricus serpentinus</i>	Red Hills roach		GNRT1	S1	None	None	AFS:VU BLM:S CDFW:SSC	Yes	
<i>Hesperoleucus symmetricus symmetricus</i>	central California roach		GNRT3	S3	None	None	CDFW:SSC	Yes	
<i>Hesperoleucus venustus navarroensis</i>	northern coastal roach		GNRT3	S3	None	None	CDFW:SSC	Yes	
<i>Hesperoleucus venustus subditus</i>	southern coastal roach		GNRT2	S2	None	None	CDFW:SSC	Yes	
<i>Hesperoleucus venustus x H. symmetricus</i>	Clear Lake roach		G3	S3	None	None	CDFW:SSC	No	
<i>Lavinia exilicauda chi</i>	Clear Lake hitch		G4T1	S1	None	Threatened	AFS:VU USFS:S	Yes	



## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Lavinia exilicauda exilicauda</i>	Sacramento hitch		G4T3	S3	None	None	CDFW:SSC	No	
<i>Lavinia exilicauda harengus</i>	Monterey hitch		G4T3	S3	None	None	CDFW:SSC	Yes	
<i>Mylopharodon conocephalus</i>	hardhead		G3	S3	None	None	CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Pogonichthys macrolepidotus</i>	Sacramento splittail		G3	S3	None	None	AFS:VU CDFW:SSC IUCN:LC	Yes	
<i>Ptychocheilus lucius</i>	Colorado pikeminnow		G1	SX	Endangered	Endangered	CDFW:FP IUCN:VU	Yes	
<i>Rhinichthys osculus ssp. 1</i>	Amargosa Canyon speckled dace		GNRT3Q	S3	None	None	AFS:TH BLM:S CDFW:SSC	Yes	Yes
<i>Rhinichthys osculus ssp. 12</i>	Long Valley speckled dace		G5T1	S1	None	None	AFS:EN CDFW:SSC	Yes	Yes
<i>Rhinichthys osculus ssp. 2</i>	Owens speckled dace		GNRT2Q	S2	None	None	AFS:TH BLM:S CDFW:SSC	Yes	Yes
<i>Rhinichthys osculus ssp. 8</i>	Santa Ana speckled dace		G5T1	S1	None	None	AFS:TH CDFW:SSC USFS:S	Yes	Yes

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Siphateles bicolor mohavensis</i>	Mohave tui chub		G4T1	S1	Endangered	Endangered	AFS:EN CDFW:FP	Yes	
<i>Siphateles bicolor pectinifer</i>	Lahontan Lake tui chub		G4T3	S1S2	None	None	CDFW:SSC	Yes	
<i>Siphateles bicolor snyderi</i>	Owens tui chub		G4T1	S1	Endangered	Endangered	AFS:EN	Yes	
<i>Siphateles bicolor ssp. 11</i>	High Rock Springs tui chub		G4TX	SX	None	None		Yes	Yes
<i>Siphateles bicolor ssp. 12</i>	Eagle Lake tui chub		G4T1T2	S1S2	None	None	CDFW:SSC	Yes	Yes
<i>Siphateles bicolor ssp. 14</i>	Pit River tui chub		G4T1T3	S1S3	None	None		No	Yes
<i>Siphateles bicolor thalassinus</i>	Goose Lake tui chub		G4T2T3	S2	None	None	AFS:TH CDFW:SSC	Yes	
<i>Siphateles bicolor vaccaceps</i>	Cow Head tui chub		G4T1	S1	None	None	AFS:EN BLM:S CDFW:SSC	Yes	
<i>Catostomus fumeiventris</i>	Owens sucker		G3	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Catostomus lahontan</i>	Lahontan mountain sucker		GNR	S2	None	None	CDFW:SSC	Yes	
<i>Catostomus latipinnis</i>	flannelmouth sucker		G3G4	S1	None	None	IUCN:LC	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Catostomus microps</i>	Modoc sucker		G2G3	S2	Delisted	Endangered	AFS:EN CDFW:FP IUCN:NT	Yes	
<i>Catostomus occidentalis lacusanserinus</i>	Goose Lake sucker		G5T2Q	S1	None	None	AFS:VU CDFW:SSC USFS:S	Yes	
<i>Catostomus rimiculus ssp. 1</i>	Jenny Creek sucker		G5T2Q	S1	None	None	AFS:VU	No	
<i>Catostomus santaanae</i>	Santa Ana sucker		G1	S1	Threatened	None	AFS:TH CDFW:SSC IUCN:EN	Yes	
<i>Catostomus snyderi</i>	Klamath largescale sucker		G3	S3	None	None	AFS:TH CDFW:SSC IUCN:NT	Yes	
<i>Chasmistes brevirostris</i>	shortnose sucker		G1G2	S1	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	Yes	
<i>Deltistes luxatus</i>	Lost River sucker		G2?	S2	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	Yes	
<i>Xyrauchen texanus</i>	razorback sucker		G1	S2	Endangered	Endangered	AFS:EN CDFW:FP IUCN:CR	Yes	
<i>Cyprinodon macularius</i>	desert pupfish		G1	S1	Endangered	Endangered	AFS:EN IUCN:VU	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Cyprinodon nevadensis amargosae</i>	Amargosa pupfish		G2T1T2	S1S2	None	None	AFS:VU BLM:S CDFW:SSC IUCN:VU	Yes	
<i>Cyprinodon nevadensis nevadensis</i>	Saratoga Springs pupfish		G2T1	S1	None	None	AFS:TH CDFW:SSC IUCN:VU	Yes	
<i>Cyprinodon nevadensis shoshone</i>	Shoshone pupfish		G2T1	S1	None	None	AFS:EN CDFW:SSC IUCN:VU	Yes	
<i>Cyprinodon radiosus</i>	Owens pupfish		G1	S2	Endangered	Endangered	AFS:EN CDFW:FP IUCN:EN	Yes	
<i>Cyprinodon salinus milleri</i>	Cottonball Marsh pupfish		G1T1Q	S1	None	Threatened	AFS:TH IUCN:EN	Yes	
<i>Cyprinodon salinus salinus</i>	Salt Creek pupfish		G1T1	S1	None	None	AFS:VU CDFW:SSC IUCN:EN	Yes	
<i>Gasterosteus aculeatus microcephalus</i>	resident threespine stickleback	South of Pt. Conception only	G5T2T3	S2S3	None	None		No	
<i>Gasterosteus aculeatus williamsoni</i>	unarmored threespine stickleback		G5T1	S1	Endangered	Endangered	AFS:EN CDFW:FP	Yes	
<i>Archoplites interruptus</i>	Sacramento perch	Within native range only	G1	S1	None	None	AFS:TH CDFW:SSC IUCN:EN	Yes	

## Fishes

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Hysterothorax traskii lagunae</i>	Clear Lake tule perch		G5T3	S3	None	None	CDFW:SSC	Yes	
<i>Hysterothorax traskii pomo</i>	Russian River tule perch		G5T4	S4	None	None	AFS:VU CDFW:SSC	Yes	
<i>Hysterothorax traskii traskii</i>	Sacramento-San Joaquin tule perch		G5T2T3	S2S3	None	None		No	
<i>Eucyclogobius newberryi</i>	tidewater goby		G3	S3	Endangered	None	AFS:EN CDFW:SSC IUCN:NT	Yes	
<i>Cottus asper ssp.</i>	Clear Lake prickly sculpin		G5T1	SNR	None	None	CDFW:SSC	No	
<i>Cottus asperrimus</i>	rough sculpin		G2	S2	None	Threatened	AFS:VU BLM:S CDFW:FP IUCN:NT	Yes	
<i>Cottus gulosus</i>	rifle sculpin		G5	S4	None	None	CDFW:SSC IUCN:LC	No	
<i>Cottus klamathensis klamathensis</i>	Upper Klamath marbled sculpin		G4T1T2	S1S2	None	None	CDFW:SSC	Yes	
<i>Cottus klamathensis macrops</i>	bigeye marbled sculpin		G4T2T3	S2S3	None	None	AFS:VU CDFW:SSC	Yes	
<i>Cottus klamathensis polyporus</i>	Lower Klamath marbled sculpin		G4T2T4	S2S4	None	None	CDFW:SSC	Yes	

**Fishes**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Comments</b>	<b>Global Rank</b>	<b>State Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Records in CNDDDB?</b>	<b>End Notes?</b>
<i>Cottus perplexus</i>	reticulate sculpin		G4	S2S3	None	None	IUCN:LC	No	

## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Ambystoma californiense</i> pop. 1	California tiger salamander - central California DPS		G2G3T3	S3	Threatened	Threatened	CDFW:WL IUCN:VU	Yes	
<i>Ambystoma californiense</i> pop. 2	California tiger salamander - Santa Barbara County DPS		G2G3T2	S2	Endangered	Threatened	CDFW:WL IUCN:VU	Yes	
<i>Ambystoma californiense</i> pop. 3	California tiger salamander - Sonoma County DPS		G2G3T2	S2	Endangered	Threatened	CDFW:WL IUCN:VU	Yes	
<i>Ambystoma macrodactylum croceum</i>	Santa Cruz long-toed salamander		G5T1T2	S2	Endangered	Endangered	CDFW:FP	Yes	
<i>Ambystoma macrodactylum sigillatum</i>	southern long-toed salamander		G5T4	S2	None	None	CDFW:SSC	Yes	
<i>Dicamptodon ensatus</i>	California giant salamander		G2G3	S2S3	None	None	CDFW:SSC IUCN:NT	Yes	
<i>Rhyacotriton variegatus</i>	southern torrent salamander		G3?	S2S3	None	None	CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Taricha rivularis</i>	red-bellied newt		G2	S2	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Taricha torosa</i>	Coast Range newt	Monterey Co. & south only	G4	S4	None	None	CDFW:SSC	Yes	

## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Aneides niger</i>	Santa Cruz black salamander		G3	S3	None	None	CDFW:SSC	Yes	Yes
<i>Batrachoseps altasierrae</i>	Greenhorn Mountains slender salamander		G2	S2	None	None		Yes	
<i>Batrachoseps bramei</i>	Fairview slender salamander		G3	S3	None	None	USFS:S	Yes	
<i>Batrachoseps campi</i>	Inyo Mountains slender salamander		G3	S3	None	None	BLM:S CDFW:SSC IUCN:EN USFS:S	Yes	
<i>Batrachoseps diabolicus</i>	Hell Hollow slender salamander		G3	S3	None	None	IUCN:DD	No	
<i>Batrachoseps gabrieli</i>	San Gabriel slender salamander		G2G3	S2S3	None	None	IUCN:DD USFS:S	Yes	
<i>Batrachoseps incognitus</i>	San Simeon slender salamander		G2	S2	None	None	IUCN:DD USFS:S	No	
<i>Batrachoseps kawia</i>	Sequoia slender salamander		G2	S2	None	None	IUCN:DD	No	
<i>Batrachoseps luciae</i>	Santa Lucia slender salamander		G3	S3	None	None	IUCN:LC	No	



## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Batrachoseps major aridus</i>	desert slender salamander		G4T1	S1	Endangered	Endangered		Yes	
<i>Batrachoseps minor</i>	lesser slender salamander		G1	S1	None	None	CDFW:SSC IUCN:DD USFS:S	Yes	
<i>Batrachoseps pacificus</i>	Channel Islands slender salamander		G3G4	S3S4	None	None	IUCN:LC	Yes	
<i>Batrachoseps regius</i>	Kings River slender salamander		G2G3	S2S3	None	None	IUCN:VU USFS:S	Yes	
<i>Batrachoseps relictus</i>	relictual slender salamander		G1	S1	Proposed Endangered	None	CDFW:SSC IUCN:DD USFS:S	Yes	Yes
<i>Batrachoseps robustus</i>	Kern Plateau salamander		G3	S3	None	None	IUCN:NT	Yes	
<i>Batrachoseps simatus</i>	Kern Canyon slender salamander		G2G3	S2S3	Proposed Threatened	Threatened	IUCN:VU USFS:S	Yes	
<i>Batrachoseps stebbinsi</i>	Tehachapi slender salamander		G2G3	S2	None	Threatened	BLM:S IUCN:VU	Yes	
<i>Batrachoseps wakei</i>	Arguello slender salamander		G1	S1	None	None		Yes	

## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Ensatina eschscholtzii croceater</i>	yellow-blotched salamander		G5T3	S3	None	None	BLM:S CDFW:WL USFS:S	Yes	
<i>Ensatina eschscholtzii klauberi</i>	large-blotched salamander		G5T2?	S3	None	None	CDFW:WL USFS:S	Yes	
<i>Hydromantes brunus</i>	limestone salamander		G2G3	S2S3	None	Threatened	BLM:S CDFW:FP IUCN:VU USFS:S	Yes	
<i>Hydromantes platycephalus</i>	Mount Lyell salamander		G4	S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Hydromantes shastae</i>	Shasta salamander		G3	S3	None	Threatened	BLM:S IUCN:VU USFS:S	Yes	Yes
<i>Plethodon asupak</i>	Scott Bar salamander		G1G2	S3	None	Threatened	IUCN:VU	Yes	Yes
<i>Plethodon elongatus</i>	Del Norte salamander		G4	S3	None	None	CDFW:WL IUCN:NT	Yes	
<i>Plethodon stormi</i>	Siskiyou Mountains salamander		G3?	S3	None	Threatened	IUCN:EN USFS:S	Yes	
<i>Ascaphus truei</i>	Pacific tailed frog		G4	S3S4	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Scaphiopus couchii</i>	Couch's spadefoot		G5	S2	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	

## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Spea hammondi</i>	western spadefoot		G2G3	S3S4	Proposed Threatened	None	BLM:S CDFW:SSC IUCN:NT	Yes	
<i>Anaxyrus californicus</i>	arroyo toad		G2G3	S2	Endangered	None	CDFW:SSC IUCN:EN	Yes	Yes
<i>Anaxyrus canorus</i>	Yosemite toad		G2	S2	Threatened	None	CDFW:SSC IUCN:EN USFS:S	Yes	Yes
<i>Anaxyrus exsul</i>	black toad		G1	S1	None	Threatened	BLM:S CDFW:FP IUCN:VU USFS:S	Yes	Yes
<i>Incilius alvarius</i>	Sonoran Desert toad		G5	SH	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Lithobates pipiens</i>	northern leopard frog	Native populations only	G5	S2	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Lithobates yavapaiensis</i>	lowland leopard frog		G4	SX	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	Yes
<i>Rana aurora</i>	northern red-legged frog		G4	S3	None	None	CDFW:SSC IUCN:LC USFS:S	Yes	Yes
<i>Rana boylei pop. 1</i>	foothill yellow-legged frog - north coast DPS		G3T4	S4	None	None	BLM:S CDFW:SSC USFS:S	Yes	

## Amphibians

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Rana boylei</i> pop. 2	foothill yellow-legged frog - Feather River DPS		G3T2	S2	Threatened	Threatened	BLM:S USFS:S	Yes	
<i>Rana boylei</i> pop. 3	foothill yellow-legged frog - north Sierra DPS		G3T2	S2	None	Threatened	BLM:S USFS:S	Yes	
<i>Rana boylei</i> pop. 4	foothill yellow-legged frog - central coast DPS		G3T2	S2	Threatened	Endangered	BLM:S USFS:S	Yes	
<i>Rana boylei</i> pop. 5	foothill yellow-legged frog - south Sierra DPS		G3T2	S2	Endangered	Endangered	BLM:S USFS:S	Yes	
<i>Rana boylei</i> pop. 6	foothill yellow-legged frog - south coast DPS		G3T1	S1	Endangered	Endangered	BLM:S USFS:S	Yes	
<i>Rana cascadae</i>	Cascades frog		G3	S3	None	Candidate Endangered	CDFW:SSC IUCN:NT USFS:S	Yes	
<i>Rana draytonii</i>	California red-legged frog		G2G3	S2S3	Threatened	None	CDFW:SSC IUCN:VU	Yes	Yes
<i>Rana muscosa</i>	southern mountain yellow-legged frog		G1	S2	Endangered	Endangered	CDFW:WL IUCN:EN USFS:S	Yes	Yes

**Amphibians**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Comments</b>	<b>Global Rank</b>	<b>State Rank</b>	<b>ESA</b>	<b>CESA</b>	<b>Other Status</b>	<b>Records in CNDDDB?</b>	<b>End Notes?</b>
<i>Rana pretiosa</i>	Oregon spotted frog		G2	SH	Threatened	None	BLM:S CDFW:SSC IUCN:VU	Yes	
<i>Rana sierrae</i>	Sierra Nevada yellow-legged frog		G1	S2	Endangered	Threatened	CDFW:WL IUCN:EN USFS:S	Yes	Yes

## Reptiles

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Chelonia mydas</i>	green turtle		G3	S1	Threatened	None	IUCN:EN	Yes	
<i>Kinosternon sonoriense</i>	Sonoran mud turtle		G3	SH	None	None	CDFW:SSC IUCN:NT	Yes	
<i>Emys marmorata</i>	western pond turtle		G3G4	S3	Proposed Threatened	None	BLM:S CDFW:SSC IUCN:VU USFS:S	Yes	Yes
<i>Gopherus agassizii</i>	desert tortoise		G3	S2S3	Threatened	Threatened	IUCN:CR	Yes	
<i>Coleonyx switaki</i>	barefoot banded gecko		G4	S3	None	Threatened	BLM:S IUCN:LC	Yes	
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko		G5T5	S1S2	None	None	CDFW:SSC	Yes	
<i>Gambelia copeii</i>	Cope's leopard lizard		G5	S1S2	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Gambelia sila</i>	blunt-nosed leopard lizard		G1	S2	Endangered	Endangered	CDFW:FP IUCN:EN	Yes	
<i>Phrynosoma blainvillii</i>	coast horned lizard		G4	S4	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Phrynosoma mcallii</i>	flat-tailed horned lizard		G3	S3	None	None	BLM:S CDFW:SSC IUCN:NT	Yes	
<i>Sceloporus graciosus graciosus</i>	northern sagebrush lizard		G5T5	S3	None	None	BLM:S	Yes	

## Reptiles

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Uma inornata</i>	Coachella Valley fringe-toed lizard		G1Q	S1	Threatened	Endangered	IUCN:EN	Yes	
<i>Uma notata</i>	Colorado Desert fringe-toed lizard		G3	S2	None	None	BLM:S CDFW:SSC IUCN:NT	Yes	
<i>Uma scoparia</i>	Mojave fringe-toed lizard		G3G4	S3S4	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Xantusia gracilis</i>	sandstone night lizard		G1	S2	None	None	CDFW:SSC IUCN:VU	Yes	
<i>Xantusia riversiana</i>	island night lizard		G3	S3	Delisted	None	IUCN:LC	Yes	
<i>Xantusia vigilis sierrae</i>	Sierra night lizard		G5T1	S1	None	None	CDFW:SSC USFS:S	Yes	Yes
<i>Plestiodon skiltonianus interparietalis</i>	Coronado skink		G5T5	S2S3	None	None	BLM:S CDFW:WL	Yes	
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail		G5	S2S3	None	None	CDFW:WL IUCN:LC USFS:S	Yes	
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail		G5T5	S3	None	None	CDFW:SSC	Yes	
<i>Elgaria panamintina</i>	Panamint alligator lizard		G3	S3	None	None	BLM:S CDFW:SSC IUCN:VU USFS:S	Yes	

## Reptiles

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Anniella alexanderae</i>	Temblor legless lizard		G1	S1	None	Candidate Endangered	CDFW:SSC	Yes	Yes
<i>Anniella campi</i>	Southern Sierra legless lizard		G1G2	S2	None	None	CDFW:SSC USFS:S	Yes	Yes
<i>Anniella grinnelli</i>	Bakersfield legless lizard		G2G3	S2S3	None	None	CDFW:SSC	Yes	Yes
<i>Anniella pulchra</i>	Northern California legless lizard		G3	S2S3	None	None	CDFW:SSC USFS:S	Yes	Yes
<i>Anniella spp.</i>	California legless lizard		G3G4	S3S4	None	None	CDFW:SSC	Yes	Yes
<i>Anniella stebbinsi</i>	Southern California legless lizard		G3	S3	None	None	CDFW:SSC USFS:S	Yes	Yes
<i>Heloderma suspectum cinctum</i>	banded Gila monster		G4T4	S1	None	None	BLM:S CDFW:SSC	Yes	Yes
<i>Charina umbratica</i>	southern rubber boa		G2G3	S2	None	Threatened	IUCN:VU USFS:S	Yes	
<i>Arizona elegans occidentalis</i>	California glossy snake		G5T2	S2	None	None	CDFW:SSC	Yes	
<i>Diadophis punctatus modestus</i>	San Bernardino ringneck snake		G5T2T3	S2?	None	None	USFS:S	Yes	
<i>Diadophis punctatus regalis</i>	regal ringneck snake		G5TNR	S2	None	None	CDFW:SSC	Yes	



## Reptiles

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Diadophis punctatus similis</i>	San Diego ringneck snake		G5T4	S2?	None	None	USFS:S	Yes	
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip		G5T2T3	S3	None	None	CDFW:SSC	Yes	
<i>Masticophis fuliginosus</i>	Baja California coachwhip		G5	S1S2	None	None	CDFW:SSC	Yes	
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake		G4T2	S2	Threatened	Threatened		Yes	
<i>Pituophis catenifer pumilus</i>	Santa Cruz Island gophersnake		G5T1T2	S1?	None	None	CDFW:WL	No	
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake		G5T4	S3	None	None	CDFW:SSC	Yes	
<i>Thamnophis gigas</i>	giant gartersnake		G2	S2	Threatened	Threatened	IUCN:VU	Yes	
<i>Thamnophis hammondi</i>	two-striped gartersnake		G4	S3S4	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Thamnophis hammondi pop. 1</i>	Santa Catalina gartersnake		G4T1?	S1	None	None		No	

## Reptiles

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Thamnophis sirtalis pop. 1</i>	south coast gartersnake	Coastal plain from Ventura Co. to San Diego Co., from sea level to about 850 m.	G5T1T2	S1S2	None	None	CDFW:SSC	Yes	Yes
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco gartersnake		G5T2Q	S2	Endangered	Endangered	CDFW:FP	Yes	
<i>Crotalus ruber</i>	red-diamond rattlesnake		G4	S3	None	None	CDFW:SSC IUCN:LC USFS:S	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Anser albifrons elgasi</i>	tule greater white-fronted goose	Wintering	G5T3	S3	None	None	CDFW:SSC	No	
<i>Aythya americana</i>	redhead	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC	No	
<i>Aythya valisineria</i>	canvasback	Nesting	G5	S2	None	None	IUCN:LC	No	
<i>Branta bernicla</i>	brant	Wintering & staging	G5	S2	None	None	CDFW:SSC IUCN:LC	No	
<i>Branta hutchinsii leucopareia</i>	cackling (=Aleutian Canada) goose	Wintering	G5T3	S3	Delisted	None	CDFW:WL	Yes	
<i>Bucephala islandica</i>	Barrow's goldeneye	Nesting	G5	S1	None	None	CDFW:SSC IUCN:LC	No	
<i>Dendrocygna bicolor</i>	fulvous whistling-duck	Nesting	G5	S1	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Histrionicus histrionicus</i>	harlequin duck	Nesting	G4	S2	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Bonasa umbellus</i>	ruffed grouse		G5	S3S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Centrocercus urophasianus</i>	greater sage-grouse	Nesting & leks	G3G4	S2S3	None	Candidate Endangered	BLM:S CDFW:SSC IUCN:NT USFS:S	Yes	Yes
<i>Dendragapus fuliginosus howardi</i>	Mount Pinos sooty grouse		G5T2T3	S3	None	None	CDFW:SSC	Yes	Yes

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Tympanuchus phasianellus columbianus</i>	Columbian sharp-tailed grouse		G5T3	SX	None	None	CDFW:SSC	No	
<i>Callipepla californica catalinensis</i>	Catalina California quail		G5T2	S2	None	None	CDFW:SSC	No	
<i>Gavia immer</i>	common loon	Nesting	G5	S1	None	None	CDFW:SSC IUCN:LC	No	
<i>Phoebastria albatrus</i>	short-tailed albatross		G1	S1	Endangered	None	CDFW:SSC IUCN:VU	No	
<i>Hydrobates furcatus</i>	fork-tailed storm-petrel	Nesting colony	G5	S1	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Hydrobates homochroa</i>	ashy storm-petrel	Nesting colony	G2	S2	None	None	BLM:S CDFW:SSC IUCN:EN USFWS:BCC	Yes	
<i>Hydrobates melania</i>	black storm-petrel	Nesting colony	G3	S1	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	
<i>Pelecanus erythrorhynchos</i>	American white pelican	Nesting colony	G4	S1S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	
<i>Pelecanus occidentalis californicus</i>	California brown pelican	Nesting colony & communal roosts	G4T3T4	S3	Delisted	Delisted	BLM:S USFS:S	Yes	Yes

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Nannopterum auritum</i>	double-crested cormorant	Nesting colony	G5	S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Ardea alba</i>	great egret	Nesting colony	G5	S4	None	None	CDF:S IUCN:LC	Yes	
<i>Ardea herodias</i>	great blue heron	Nesting colony	G5	S4	None	None	CDF:S IUCN:LC	Yes	
<i>Botaurus lentiginosus</i>	American bittern		G5	S3S4	None	None	IUCN:LC	No	
<i>Egretta thula</i>	snowy egret	Nesting colony	G5	S4	None	None	IUCN:LC	Yes	
<i>Ixobrychus exilis</i>	least bittern	Nesting	G4	S2	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Nycticorax nycticorax</i>	black-crowned night heron	Nesting colony	G5	S4	None	None	IUCN:LC	Yes	
<i>Plegadis chihi</i>	white-faced ibis	Nesting colony	G5	S3S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Mycteria americana</i>	wood stork		G4	S1	None	None	CDFW:SSC IUCN:LC	No	
<i>Gymnogyps californianus</i>	California condor		G1	S2	Endangered	Endangered	CDF:S CDFW:FP IUCN:CR	Yes	
<i>Pandion haliaetus</i>	osprey	Nesting	G5	S4	None	None	CDF:S CDFW:WL IUCN:LC	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Accipiter atricapillus</i>	American goshawk	Nesting	G5	S3	None	None	BLM:S CDF:S CDFW:SSC USFS:S	Yes	
<i>Accipiter cooperii</i>	Cooper's hawk	Nesting	G5	S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Accipiter striatus</i>	sharp-shinned hawk	Nesting	G5	S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Aquila chrysaetos</i>	golden eagle	Nesting and wintering	G5	S3	None	None	BLM:S CDF:S CDFW:FP CDFW:WL IUCN:LC	Yes	
<i>Buteo regalis</i>	ferruginous hawk	Wintering	G4	S3S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Buteo swainsoni</i>	Swainson's hawk	Nesting	G5	S4	None	Threatened	BLM:S IUCN:LC	Yes	
<i>Circus hudsonius</i>	northern harrier	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	Yes
<i>Elanus leucurus</i>	white-tailed kite	Nesting	G5	S3S4	None	None	BLM:S CDFW:FP IUCN:LC	Yes	
<i>Haliaeetus leucocephalus</i>	bald eagle	Nesting and wintering	G5	S3	Delisted	Endangered	BLM:S CDF:S CDFW:FP IUCN:LC USFS:S	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Parabuteo unicinctus</i>	Harris' hawk	Nesting	G5	S1	None	None	CDFW:WL IUCN:LC	No	
<i>Falco columbarius</i>	merlin	Wintering	G5	S3S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Falco mexicanus</i>	prairie falcon	Nesting	G5	S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Falco peregrinus anatum</i>	American peregrine falcon	Nesting	G4T4	S3S4	Delisted	Delisted	CDF:S	Yes	Yes
<i>Coturnicops noveboracensis</i>	yellow rail		G4	S2	None	None	CDFW:SSC IUCN:LC USFS:S USFWS:BCC	Yes	
<i>Laterallus jamaicensis coturniculus</i>	California black rail		G3T1	S2	None	Threatened	BLM:S CDFW:FP IUCN:EN	Yes	Yes
<i>Rallus obsoletus levipes</i>	light-footed Ridgway's rail		G3T1T2	S1	Endangered	Endangered	CDFW:FP	Yes	
<i>Rallus obsoletus obsoletus</i>	California Ridgway's rail		G3T1	S2	Endangered	Endangered	CDFW:FP	Yes	
<i>Rallus obsoletus yumanensis</i>	Yuma Ridgway's rail		G3T3	S1	Endangered	Threatened	CDFW:FP	Yes	
<i>Antigone canadensis canadensis</i>	lesser sandhill crane	Wintering	G5T4	S4	None	None	CDFW:SSC	No	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Antigone canadensis tabida</i>	greater sandhill crane	Nesting & wintering	G5T5	S2	None	Threatened	BLM:S CDFW:FP USFS:S	Yes	
<i>Charadrius montanus</i>	mountain plover	Wintering	G3	S2	None	None	BLM:S CDFW:SSC IUCN:NT USFWS:BCC	Yes	Yes
<i>Charadrius nivosus nivosus</i>	western snowy plover	Nesting	G3T3	S3	Threatened	None	CDFW:SSC	Yes	Yes
<i>Numenius americanus</i>	long-billed curlew	Nesting	G4	S2	None	None	CDFW:WL IUCN:LC	No	
<i>Chlidonias niger</i>	black tern	Nesting colony	G4G5	S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	
<i>Gelochelidon nilotica</i>	gull-billed tern	Nesting colony	G5	S1	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	Yes
<i>Hydroprogne caspia</i>	Caspian tern	Nesting colony	G5	S4	None	None	IUCN:LC	Yes	Yes
<i>Larus californicus</i>	California gull	Nesting colony	G5	S4	None	None	CDFW:WL IUCN:LC USFWS:BCC	Yes	
<i>Leucophaeus atricilla</i>	laughing gull	Nesting colony	G5	S1	None	None	CDFW:WL IUCN:LC	No	
<i>Rynchops niger</i>	black skimmer	Nesting colony	G5	S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	



## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Sternula antillarum browni</i>	California least tern	Nesting colony	G4T2T3Q	S2	Endangered	Endangered	CDFW:FP	Yes	Yes
<i>Thalasseus elegans</i>	elegant tern	Nesting colony	G4	S3	None	None	CDFW:WL IUCN:NT USFWS:BCC	No	Yes
<i>Brachyramphus marmoratus</i>	marbled murrelet	Nesting	G3	S2	Threatened	Endangered	CDF:S IUCN:EN	Yes	
<i>Cerorhinca monocerata</i>	rhinoceros auklet	Nesting colony	G5	S3	None	None	CDFW:WL IUCN:LC	Yes	
<i>Fratercula cirrhata</i>	tufted puffin	Nesting colony	G5	S1S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	
<i>Ptychoramphus aleuticus</i>	Cassin's auklet	Nesting colony	G4	S3	None	None	CDFW:SSC IUCN:NT USFWS:BCC	No	
<i>Synthliboramphus scrippsi</i>	Scripps's murrelet	Nesting colony	G2	S2	None	Threatened	BLM:S IUCN:VU USFWS:BCC	Yes	Yes
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	Nesting	G5T2T3	S1	Threatened	Endangered	BLM:S USFS:S	Yes	
<i>Asio flammeus</i>	short-eared owl	Nesting	G5	S2	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	
<i>Asio otus</i>	long-eared owl	Nesting	G5	S3?	None	None	CDFW:SSC IUCN:LC USFWS:BCC	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Athene cunicularia</i>	burrowing owl	Burrow sites & some wintering sites	G4	S2	None	None	BLM:S CDFW:SSC IUCN:LC USFWS:BCC	Yes	Yes
<i>Micrathene whitneyi</i>	elf owl	Nesting	G5	S1	None	Endangered	BLM:S IUCN:LC	Yes	
<i>Psiloscoops flammeolus</i>	flamulated owl	Nesting	G4	S2S4	None	None	IUCN:LC USFWS:BCC	Yes	
<i>Strix nebulosa</i>	great gray owl	Nesting	G5	S1	None	Endangered	CDF:S IUCN:LC USFS:S	Yes	
<i>Strix occidentalis caurina</i>	northern spotted owl		G3G4T3	S2	Threatened	Threatened	CDF:S	No	Yes
<i>Strix occidentalis occidentalis</i>	California spotted owl		G3G4T2T3	S2	None	None	BLM:S CDFW:SSC USFS:S USFWS:BCC	No	Yes
<i>Chaetura vauxi</i>	Vaux's swift	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC USFWS:BCC	No	
<i>Cypseloides niger</i>	black swift	Nesting	G4	S3	None	None	CDFW:SSC IUCN:VU USFWS:BCC	Yes	
<i>Calypte costae</i>	Costa's hummingbird	Nesting	G5	S4	None	None	IUCN:LC USFWS:BCC	No	
<i>Selasphorus rufus</i>	rufous hummingbird	Nesting	G4	S1S2	None	None	IUCN:NT USFWS:BCC	No	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Colaptes chrysoides</i>	gilded flicker		G4	S2	None	Endangered	BLM:S IUCN:LC USFWS:BCC	Yes	
<i>Melanerpes lewis</i>	Lewis' woodpecker	Nesting	G4	S4	None	None	IUCN:LC USFWS:BCC	Yes	
<i>Melanerpes uropygialis</i>	Gila woodpecker		G5	S2	None	Endangered	BLM:S IUCN:LC USFWS:BCC	Yes	
<i>Picoides arcticus</i>	black-backed woodpecker		G5	S2	None	None	IUCN:LC	Yes	
<i>Contopus cooperi</i>	olive-sided flycatcher	Nesting	G4	S3	None	None	CDFW:SSC IUCN:NT USFWS:BCC	Yes	
<i>Empidonax traillii</i>	willow flycatcher	Nesting	G5	S3	None	Endangered	IUCN:LC USFS:S	Yes	Yes
<i>Empidonax traillii brewsteri</i>	little willow flycatcher	Nesting	G5T3T4	S3	None	Endangered		Yes	Yes
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	Nesting	G5T2	S3	Endangered	Endangered		Yes	Yes
<i>Myiarchus tyrannulus</i>	brown-crested flycatcher	Nesting	G5	S3	None	None	CDFW:WL IUCN:LC	Yes	
<i>Pyrocephalus rubinus</i>	vermillion flycatcher	Nesting	G5	S2S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Lanius ludovicianus</i>	loggerhead shrike	Nesting	G4	S4	None	None	CDFW:SSC IUCN:NT	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Lanius ludovicianus anthonyi</i>	Island loggerhead shrike		G4T1	S1	None	None	CDFW:SSC	No	
<i>Lanius ludovicianus mearnsi</i>	San Clemente loggerhead shrike		G4T1Q	S2	Endangered	None	CDFW:SSC	Yes	Yes
<i>Vireo bellii arizonae</i>	Arizona Bell's vireo	Nesting	G5T4	S3	None	Endangered	BLM:S	Yes	Yes
<i>Vireo bellii pusillus</i>	least Bell's vireo	Nesting	G5T2	S3	Endangered	Endangered		Yes	Yes
<i>Vireo huttoni unitti</i>	Catalina Hutton's vireo		G5T2?	S2	None	None	CDFW:SSC	No	
<i>Vireo vicinior</i>	gray vireo	Nesting	G5	S2	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Aphelocoma californica cana</i>	Eagle Mountain scrub-jay		G5T3	S3	None	None	CDFW:WL	No	
<i>Aphelocoma insularis</i>	Island scrub-jay		G1	S1	None	None	IUCN:NT USFWS:BCC	No	
<i>Pica nuttalli</i>	yellow-billed magpie	Nesting & communal roosts	G3G4	S3S4	None	None	IUCN:VU USFWS:BCC	No	
<i>Eremophila alpestris actia</i>	California horned lark		G5T4Q	S4	None	None	CDFW:WL IUCN:LC	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Progne subis</i>	purple martin	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Riparia riparia</i>	bank swallow	Nesting	G5	S3	None	Threatened	BLM:S IUCN:LC	Yes	
<i>Poecile atricapillus</i>	black-capped chickadee		G5	S3	None	None	CDFW:WL IUCN:LC	No	
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	San Diego & Orange Counties only	G5T3Q	S2	None	None	CDFW:SSC USFS:S USFWS:BCC	Yes	Yes
<i>Cistothorus palustris clarkae</i>	Clark's marsh wren		G5T2	S2	None	None	CDFW:SSC	No	
<i>Thryomanes bewickii leucophrys</i>	San Clemente Bewick's wren		G5TX	SX	None	None	CDFW:SSC	No	
<i>Polioptila californica californica</i>	coastal California gnatcatcher		G4G5T3Q	S2	Threatened	None	CDFW:SSC	Yes	Yes
<i>Polioptila melanura</i>	black-tailed gnatcatcher		G5	S3S4	None	None	CDFW:WL IUCN:LC	Yes	
<i>Toxostoma bendirei</i>	Bendire's thrasher		G4	S2	None	None	BLM:S CDFW:SSC IUCN:VU USFWS:BCC	Yes	
<i>Toxostoma crissale</i>	Crissal thrasher		G5	S2	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDB?	End Notes?
<i>Toxostoma lecontei</i>	Le Conte's thrasher		G4	S3	None	None	BLM:S CDFW:SSC IUCN:LC USFWS:BCC	Yes	Yes
<i>Aimophila ruficeps canescens</i>	southern California rufous-crowned sparrow		G5T3	S4	None	None	CDFW:WL	Yes	
<i>Aimophila ruficeps obscura</i>	Santa Cruz Island rufous-crowned sparrow		G5T2	S2	None	None	CDFW:SSC	No	
<i>Ammodramus savannarum</i>	grasshopper sparrow	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Artemisiospiza belli belli</i>	Bell's sparrow		G5T2T3	S3	None	None	CDFW:WL	Yes	
<i>Artemisiospiza belli clementeae</i>	San Clemente Bell's sparrow		G5T2Q	S2	Delisted	None	CDFW:SSC	Yes	Yes
<i>Junco hyemalis caniceps</i>	gray-headed junco	Nesting	G5T5	S1	None	None	CDFW:WL	Yes	
<i>Melospiza melodia graminea</i>	Channel Island song sparrow		G5T1	S1	None	None	CDFW:SSC USFWS:BCC	Yes	Yes
<i>Melospiza melodia maxillaris</i>	Suisun song sparrow		G5T3	S2	None	None	CDFW:SSC	Yes	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Melospiza melodia pop. 1</i>	song sparrow ("Modesto" population)		G5T3?Q	S3?	None	None	CDFW:SSC	Yes	
<i>Melospiza melodia pusillula</i>	Alameda song sparrow		G5T2T3	S2	None	None	CDFW:SSC USFWS:BCC	Yes	
<i>Melospiza melodia samuelis</i>	San Pablo song sparrow		G5T2	S2	None	None	CDFW:SSC USFWS:BCC	Yes	
<i>Melozone aberti</i>	Abert's towhee		G4	S4	None	None	IUCN:LC	No	
<i>Melozone crissalis eremophilus</i>	Inyo California towhee		G4G5T2	S2	Threatened	Endangered		Yes	Yes
<i>Passerculus sandwichensis alaudinus</i>	Bryant's savannah sparrow		G5T3	S3	None	None	CDFW:SSC	No	
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow		G5T3	S3	None	Endangered	USFWS:BCC	Yes	
<i>Passerculus sandwichensis rostratus</i>	large-billed savannah sparrow	Wintering	G5T2T3Q	S2	None	None	CDFW:SSC	No	
<i>Pipilo maculatus clementae</i>	San Clemente spotted towhee		G5T1T2	S3	None	None	CDFW:SSC	No	

## Birds

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Poocetes gramineus affinis</i>	Oregon vesper sparrow	Wintering	G5T2	S2	None	None	CDFW:SSC USFWS:BCC	No	
<i>Spizella breweri</i>	Brewer's sparrow	Nesting	G5	S4	None	None	IUCN:LC	Yes	
<i>Icteria virens</i>	yellow-breasted chat	Nesting	G5	S4	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Agelaius phoeniceus aciculatus</i>	Kern red-winged blackbird		G5T1	S1	None	None	CDFW:SSC	No	
<i>Agelaius tricolor</i>	tricolored blackbird	Nesting colony	G1G2	S2	None	Threatened	BLM:S CDFW:SSC IUCN:EN USFWS:BCC	Yes	
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat		G5T3	S3	None	None	CDFW:SSC USFWS:BCC	Yes	Yes
<i>Leiothlypis luciae</i>	Lucy's warbler	Nesting	G5	S3	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Leiothlypis virginiae</i>	Virginia's warbler	Nesting	G5	S2	None	None	CDFW:WL IUCN:LC USFWS:BCC	Yes	



**Birds**

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Setophaga petechia</i>	yellow warbler	Nesting	G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Setophaga petechia sonorana</i>	Sonoran yellow warbler	Nesting	G5T2T3	S2	None	None	CDFW:SSC	Yes	Yes
<i>Cardinalis cardinalis</i>	northern cardinal		G5	S1	None	None	CDFW:WL IUCN:LC	Yes	
<i>Piranga flava</i>	hepatic tanager	Nesting	G5	S1	None	None	CDFW:WL IUCN:LC	Yes	
<i>Piranga rubra</i>	summer tanager	Nesting	G5	S1	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Spinus lawrencei</i>	Lawrence's goldfinch	Nesting	G3G4	S4	None	None	IUCN:LC USFWS:BCC	Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Sorex lyelli</i>	Mount Lyell shrew		G3G4	S3S4	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate shrew		G5T1	S1	Endangered	None	CDFW:SSC	Yes	
<i>Sorex ornatus salarius</i>	Monterey shrew		G5T1T2	S1S2	None	None	CDFW:SSC	Yes	
<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew		G5T1?	S1	None	None	CDFW:SSC	Yes	
<i>Sorex ornatus sinuosus</i>	Suisun shrew		G5T1T2Q	S1S2	None	None	CDFW:SSC	Yes	
<i>Sorex ornatus willetti</i>	Santa Catalina shrew		G5T1	S1	None	None	CDFW:SSC	Yes	
<i>Sorex vagrans halicoetes</i>	salt-marsh wandering shrew		G5T1	S1	None	None	CDFW:SSC	Yes	
<i>Sorex vagrans paludivagus</i>	Monterey vagrant shrew		G5T1	S2	None	None		No	
<i>Scapanus latimanus insularis</i>	Angel Island mole		G5T1	S2?	None	None		Yes	
<i>Scapanus latimanus parvus</i>	Alameda Island mole		G5T1Q	SH	None	None	CDFW:SSC	Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat		G3G4	S1	None	None	CDFW:SSC IUCN:NT	Yes	
<i>Leptonycteris yerbabuenae</i>	lesser long-nosed bat		G3	S1	Delisted	None	CDFW:SSC IUCN:NT	Yes	Yes
<i>Macrotus californicus</i>	California leaf-nosed bat		G3G4	S3	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Antrozous pallidus</i>	pallid bat		G4	S3	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		G4	S2	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Euderma maculatum</i>	spotted bat		G4	S3	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Lasionycteris noctivagans</i>	silver-haired bat		G3G4	S3S4	None	None	IUCN:LC	Yes	
<i>Lasiurus cinereus</i>	hoary bat		G3G4	S4	None	None	IUCN:LC	Yes	
<i>Lasiurus frantzii</i>	western red bat		G4	S3	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Lasiurus xanthinus</i>	western yellow bat		G4G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Myotis ciliolabrum</i>	western small-footed myotis		G5	S3	None	None	BLM:S IUCN:LC	Yes	
<i>Myotis evotis</i>	long-eared myotis		G5	S3	None	None	BLM:S IUCN:LC	Yes	
<i>Myotis occultus</i>	Arizona Myotis		G4G5	S1	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Myotis thysanodes</i>	fringed myotis		G4	S3	None	None	BLM:S IUCN:LC USFS:S	Yes	
<i>Myotis velifer</i>	cave myotis		G4G5	S1	None	None	BLM:S CDFW:SSC IUCN:LC	Yes	
<i>Myotis volans</i>	long-legged myotis		G4G5	S3	None	None	IUCN:LC	Yes	
<i>Myotis yumanensis</i>	Yuma myotis		G5	S4	None	None	BLM:S IUCN:LC	Yes	
<i>Eumops perotis californicus</i>	western mastiff bat		G4G5T4	S3S4	None	None	BLM:S CDFW:SSC	Yes	
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat		G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Nyctinomops macrotis</i>	big free-tailed bat		G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Ochotona princeps schisticeps</i>	gray-headed pika		G5T4	S2S4	None	None		Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Brachylagus idahoensis</i>	pygmy rabbit		G4	S3	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	
<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare		G5T3T4Q	S2	None	None	CDFW:SSC	Yes	
<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare		G5T3T4Q	S2	None	None	CDFW:SSC	Yes	
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit		G5T3T4	S3S4	None	None		Yes	
<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit		G5T5	S3?	None	None	CDFW:SSC	Yes	
<i>Sylvilagus bachmani riparius</i>	riparian brush rabbit		G5T1	S2	Endangered	Endangered		Yes	
<i>Aplodontia rufa californica</i>	Sierra Nevada mountain beaver		G5T3T4	S2S3	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Aplodontia rufa humboldtiana</i>	Humboldt mountain beaver		G5TNR	SNR	None	None		Yes	
<i>Aplodontia rufa nigra</i>	Point Arena mountain beaver		G5T1	S1	Endangered	None	CDFW:SSC IUCN:LC	Yes	Yes

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Aplodontia rufa phaea</i>	Point Reyes mountain beaver		G5T2	S2	None	None	CDFW:SSC IUCN:LC	Yes	Yes
<i>Ammospermophilus nelsoni</i>	Nelson's (=San Joaquin) antelope squirrel		G2G3	S3	None	Threatened	BLM:S IUCN:EN	Yes	
<i>Callospermophilus lateralis bernardinus</i>	San Bernardino golden-mantled ground squirrel		G5T1	S1	None	None		No	
<i>Glaucomys oregonensis californicus</i>	San Bernardino flying squirrel		G5T1T2	S1S2	None	None	CDFW:SSC USFS:S	Yes	
<i>Neotamias alpinus</i>	Alpine chipmunk		G4	S3	None	None	IUCN:LC	Yes	
<i>Neotamias panamintinus acrus</i>	Kingston Mountain chipmunk		G4T1T2	S1S2	None	None		Yes	
<i>Neotamias speciosus callipeplus</i>	Mount Pinos chipmunk		G4T2	S2	None	None	USFS:S	Yes	
<i>Neotamias speciosus speciosus</i>	lodgepole chipmunk		G4T3T4	S2	None	None		Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Urocitellus mollis</i>	Piute ground squirrel		G5	S3	None	None	IUCN:LC	No	
<i>Xerospermophilus mohavensis</i>	Mohave ground squirrel		G3	S2	None	Threatened	BLM:S IUCN:NT	Yes	
<i>Xerospermophilus tereticaudus chlorus</i>	Palm Springs round-tailed ground squirrel		G5T2Q	S2	None	None	BLM:S CDFW:SSC	Yes	
<i>Thomomys bottae operarius</i>	Owens Lake pocket gopher		G5T1?	S1?	None	None		No	
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse		G5T3	S3	None	None		Yes	
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse		G5T3T4	S3S4	None	None		Yes	
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse		G5T3T4	S3S4	None	None		Yes	
<i>Dipodomys californicus eximius</i>	Marysville California kangaroo rat		G4T1	S1	None	None	CDFW:SSC	Yes	
<i>Dipodomys heermanni arenae</i>	Lompoc kangaroo rat		G4T1T2	S1S2	None	None		No	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Dipodomys heermanni berkeleyensis</i>	Berkeley kangaroo rat		G4T1	S2	None	None		Yes	
<i>Dipodomys heermanni dixonii</i>	Merced kangaroo rat		G4T2T3	S2	None	None		Yes	
<i>Dipodomys heermanni goldmani</i>	Salinas kangaroo rat		G4T2T3	S2S3	None	None		No	
<i>Dipodomys heermanni heermanni</i>	Heermann's kangaroo rat		G4T2	S2	None	None		No	
<i>Dipodomys heermanni morroensis</i>	Morro Bay kangaroo rat		G4TH	SH	Endangered	Endangered	CDFW:FP	Yes	
<i>Dipodomys ingens</i>	giant kangaroo rat		G1G2	S2	Endangered	Endangered	IUCN:EN	Yes	
<i>Dipodomys merriami collinus</i>	Earthquake Merriam's kangaroo rat		G5T2?	S2	None	None		Yes	
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat		G5T1	S1	Endangered	Endangered	CDFW:SSC	Yes	
<i>Dipodomys merriami trinidadensis</i>	Valle de la Trinidad kangaroo rat		G5T2T3Q	S2	None	None		Yes	
<i>Dipodomys nitratoides brevinasus</i>	short-nosed kangaroo rat		G3T1T2	S1S2	None	None	BLM:S CDFW:SSC IUCN:VU	Yes	



## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Dipodomys nitratoides exilis</i>	Fresno kangaroo rat		G3TH	SH	Endangered	Endangered	IUCN:VU	Yes	
<i>Dipodomys nitratoides nitratoides</i>	Tipton kangaroo rat		G3T1T2	S2	Endangered	Endangered	IUCN:VU	Yes	
<i>Dipodomys panamintinus argusensis</i>	Argus Mountains kangaroo rat		G5T1T3	S1S3	None	None		Yes	
<i>Dipodomys panamintinus panamintinus</i>	Panamint kangaroo rat		G5T3	S3	None	None		Yes	
<i>Dipodomys simulans</i>	Dulzura kangaroo rat		G4	S3	None	None	IUCN:LC	No	
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat		G2	S3	Threatened	Threatened	IUCN:VU	Yes	
<i>Dipodomys venustus elephantinus</i>	big-eared kangaroo rat		G4T2	S3	None	None		Yes	
<i>Dipodomys venustus sanctiluciae</i>	Santa Lucia Mountain kangaroo rat		G4T3	S3	None	None		No	
<i>Dipodomys venustus venustus</i>	Santa Cruz kangaroo rat		G4T1	S1	None	None		Yes	
<i>Perognathus alticola alticola</i>	white-eared pocket mouse		G2TH	SH	None	None	BLM:S CDFW:SSC IUCN:VU USFS:S	Yes	Yes

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse		G2T1T2	S1S2	None	None	CDFW:SSC IUCN:VU USFS:S	Yes	Yes
<i>Perognathus inornatus</i>	San Joaquin pocket mouse		G2G3	S2S3	None	None	BLM:S IUCN:LC	Yes	Yes
<i>Perognathus inornatus psammophilus</i>	Salinas pocket mouse		G2G3T2?	S1	None	None	CDFW:SSC	Yes	
<i>Perognathus longimembris bangsi</i>	Palm Springs pocket mouse		G5T2	S1	None	None	BLM:S CDFW:SSC	Yes	
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse		G5T2	S1S2	None	None	CDFW:SSC	Yes	
<i>Perognathus longimembris internationalis</i>	Jacumba pocket mouse		G5T2T3	S2	None	None	CDFW:SSC	Yes	
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse		G5T2	S2	Endangered	None	CDFW:SSC	Yes	
<i>Perognathus longimembris salinensis</i>	Saline Valley pocket mouse		G5T1	S1	None	None		No	
<i>Perognathus longimembris tularensis</i>	Tulare pocket mouse		G5T1	S1	None	None		No	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Perognathus mollipilosus xanthonotus</i>	yellow-eared pocket mouse		GNRT2	S2	None	None	BLM:S	Yes	
<i>Arborimus albipes</i>	white-footed vole		G3G4	S2	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Arborimus pomo</i>	Sonoma tree vole		G3	S3	None	None	CDFW:SSC IUCN:NT	Yes	
<i>Microtus californicus halophilus</i>	Monterey vole		G5T1	S2	None	None		Yes	
<i>Microtus californicus mohavensis</i>	Mohave river vole		G5T1	S1	None	None	CDFW:SSC	Yes	
<i>Microtus californicus sanpabloensis</i>	San Pablo vole		G5T1T2	S1S2	None	None	CDFW:SSC	Yes	
<i>Microtus californicus scirpensis</i>	Amargosa vole		G5T1	S1	Endangered	Endangered		Yes	
<i>Microtus californicus stephensi</i>	south coast marsh vole		G5T2T3	S2	None	None	CDFW:SSC	Yes	
<i>Microtus californicus vallicola</i>	Owens Valley vole		G5T3	S3	None	None	BLM:S CDFW:SSC	Yes	
<i>Neotoma albigula venusta</i>	Colorado Valley woodrat		G5T3T4	S1S2	None	None		Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Neotoma fuscipes annectens</i>	San Francisco dusky-footed woodrat		G5T2T3	S2S3	None	None	CDFW:SSC	Yes	
<i>Neotoma fuscipes riparia</i>	riparian (=San Joaquin Valley) woodrat		G5T1	S1	Endangered	None	CDFW:SSC	Yes	Yes
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat		G5T3T4	S3S4	None	None	CDFW:SSC	Yes	
<i>Neotoma macrotis luciana</i>	Monterey dusky-footed woodrat		G5T3	S3	None	None	BLM:S CDFW:SSC	Yes	
<i>Onychomys torridus ramona</i>	southern grasshopper mouse		G5T3	S3	None	None	CDFW:SSC	Yes	
<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse		G5T1T2	S1S2	None	None	BLM:S CDFW:SSC	Yes	
<i>Peromyscus maniculatus anacapae</i>	Anacapa Island deer mouse		G5T1T2	S1S2	None	None	CDFW:SSC	Yes	
<i>Peromyscus maniculatus clementis</i>	San Clemente deer mouse		G5T1T2	S1S2	None	None		No	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Reithrodontomys megalotis distichlis</i>	Salinas harvest mouse		G5T1	S2	None	None		Yes	
<i>Reithrodontomys megalotis santacruzae</i>	Santa Cruz harvest mouse		G5T1Q	S1	None	None		Yes	Yes
<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse		G1G2	S3	Endangered	Endangered	CDFW:FP IUCN:EN	Yes	
<i>Sigmodon arizonae plenus</i>	Colorado River cotton rat		G5T2T3	S1S2	None	None	CDFW:SSC	Yes	
<i>Sigmodon hispidus eremicus</i>	Yuma hispid cotton rat		G5T2T3	S2	None	None	CDFW:SSC	Yes	
<i>Zapus trinotatus orarius</i>	Point Reyes jumping mouse		G5T2	S2	None	None	CDFW:SSC	Yes	
<i>Erethizon dorsatum</i>	North American porcupine		G5	S3	None	None	IUCN:LC	Yes	
<i>Canis lupus</i>	gray wolf		G5	S1	Endangered	Endangered	IUCN:LC	Yes	
<i>Urocyon littoralis catalinae</i>	Santa Catalina Island fox		G3T1	S2	Threatened	Threatened		Yes	Yes
<i>Urocyon littoralis clementae</i>	San Clemente Island fox		G3T1	S2	None	Threatened		Yes	Yes

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Urocyon littoralis dickeyi</i>	San Nicolas Island fox		G3T1	S1	None	Threatened		Yes	Yes
<i>Urocyon littoralis littoralis</i>	San Miguel Island fox		G3T1	S1	Delisted	Threatened		Yes	Yes
<i>Urocyon littoralis santacruzae</i>	Santa Cruz Island fox		G3T1	S2	Delisted	Threatened		Yes	Yes
<i>Urocyon littoralis santarosae</i>	Santa Rosa Island fox		G3T1	S2	Delisted	Threatened		Yes	Yes
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox		G4T2	S3	Endangered	Threatened		Yes	
<i>Vulpes vulpes necator pop. 1</i>	Sierra Nevada red fox - southern Cascades DPS		G5TNR	S1	None	Threatened	USFS:S	Yes	
<i>Vulpes vulpes necator pop. 2</i>	Sierra Nevada red fox - Sierra Nevada DPS		G5TNR	S1	Endangered	Threatened	USFS:S	Yes	
<i>Vulpes vulpes patwin</i>	Sacramento Valley red fox		G5T2	S2	None	None		No	
<i>Arctocephalus townsendi</i>	Guadalupe fur-seal		G1	S1	Threatened	Threatened	CDFW:FP IUCN:LC	Yes	
<i>Callorhinus ursinus</i>	northern fur-seal		G3	S1	None	None	IUCN:VU	Yes	

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Eumetopias jubatus</i>	Steller sea lion		G3	S2	Delisted	None	IUCN:NT MMC:SSC	Yes	
<i>Bassariscus astutus nevadensis</i>	Nevada ringtail		G5TNR	SNR	None	None	CDFW:FP	No	
<i>Bassariscus astutus octavus</i>	southern California ringtail		G5T3	S3	None	None	CDFW:FP	No	
<i>Bassariscus astutus raptor</i>	northern California ringtail		G5TNR	SNR	None	None	CDFW:FP	No	
<i>Bassariscus astutus willetti</i>	Palo Verde Mountains ringtail		G5T2	S2	None	None	CDFW:FP	No	
<i>Bassariscus astutus yumanensis</i>	Yuma ringtail		G5TU	S2	None	None	CDFW:FP	No	
<i>Enhydra lutris nereis</i>	southern sea otter		G4T2	S3	Threatened	None	CDFW:FP IUCN:EN MMC:SSC	Yes	Yes
<i>Gulo gulo</i>	wolverine		G4	S1	Threatened	Threatened	CDFW:FP IUCN:LC USFS:S	Yes	
<i>Lontra canadensis sonora</i>	southwestern river otter		G5T1	SH	None	None	CDFW:SSC	Yes	Yes
<i>Martes caurina</i>	Pacific marten		G4G5	S3	None	None	IUCN:LC USFS:S	Yes	
<i>Martes caurina humboldtensis</i>	Humboldt marten		G4G5T1	S1	Threatened	Endangered	CDFW:SSC USFS:S	Yes	Yes

## Mammals

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Martes caurina sierrae</i>	Sierra marten		G4G5T3	S3	None	None	USFS:S	Yes	
<i>Mustela frenata inyoensis</i>	Inyo long-tailed weasel		G5T2Q	S2	None	None		No	
<i>Mustela frenata xanthogenys</i>	San Joaquin long-tailed weasel		G5T2T3	S3	None	None		No	
<i>Pekania pennanti</i>	Fisher		G5	S2S3	None	None	BLM:S CDFW:SSC IUCN:LC USFS:S	Yes	Yes
<i>Pekania pennanti pop. 2</i>	Fisher - southern Sierra Nevada ESU		G5T1	S1	Endangered	Threatened	BLM:S CDFW:SSC USFS:S	Yes	
<i>Taxidea taxus</i>	American badger		G5	S3	None	None	CDFW:SSC IUCN:LC	Yes	
<i>Spilogale gracilis amphiala</i>	Channel Islands spotted skunk		G5T3	S3	None	None	CDFW:SSC	Yes	
<i>Lynx rufus pallescens</i>	pallid bobcat		G5T3?	S3?	None	None		No	
<i>Puma concolor browni</i>	Yuma mountain lion		G5T1T2Q	S1	None	None	CDFW:SSC	Yes	
<i>Cervus canadensis nannodes</i>	tule elk		G5T3	S3	None	None		No	



**Mammals**

Scientific Name	Common Name	Comments	Global Rank	State Rank	ESA	CESA	Other Status	Records in CNDDDB?	End Notes?
<i>Antilocapra americana</i>	pronghorn		G5	S3	None	None	IUCN:LC	No	
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep		G4T4	S3	None	None	BLM:S CDFW:FP USFS:S	Yes	Yes
<i>Ovis canadensis nelsoni pop. 2</i>	Peninsular bighorn sheep DPS		G4T3Q	S2	Endangered	Threatened	CDFW:FP	Yes	Yes
<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep		G4T2	S2	Endangered	Endangered	CDFW:FP	Yes	

## End Notes

### Invertebrates

#### **GASTROPODA (snails, slugs, and abalones)**

*Prophysaon sp. 1*

Klamath tailedropper

- 1) This entity is known to be unique morphologically and genetically (Frest & Johannes 2000, Wilke & Duncan 2004, Roth & Sadeghian 2006), but has not been formally described and some may reference it as part of the *Prophysaon coeruleum* species complex.

#### **ARACHNIDA (spiders and relatives)**

*Hubbardia shoshonensis*

Shoshone Cave whip-scorpion

- 1) BLM Sensitive list uses the scientific name *Trithyreus shoshonensis*.

#### **CRUSTACEA, Order Amphipoda (amphipods)**

*Hyalella muerta*

Texas Spring amphipod

- 1) First North American hypogean hyalellid.

*Hyalella sandra*

Death Valley amphipod

- 1) Population in Texas Springs is an accidental introduction. Population in Nevares Springs may be a new species.

#### **INSECTA, Order Coleoptera (beetles)**

*Trigonoscuta sp.*

Doyen's trigonoscuta dune weevil

- 1) Sometimes referred to as *Trigonoscuta doyeri*, which is an unpublished manuscript name.

#### **INSECTA, Order Lepidoptera (butterflies and moths)**

*Callophrys thornei*

Thorne's hairstreak

- 1) Formerly *Mitoura thornei*.

*Euproserpinus euterpe*

Kern primrose sphinx moth

- 1) Until its rediscovery in Kern County in 1974, this moth had been thought to be extinct. A second population was later found in San Luis Obispo County (Xerces Society 2005).

*Speyeria zerene myrtleae*

Myrtle's silverspot butterfly

- 1) The USFWS and others have not yet determined if the taxonomic expansion by Emmel and Emmel (1998) into *S. z. myrtleae* and *S. z. puntareyes* is warranted. The *Speyeria zerene* along the coast of Marin and Sonoma Counties are federally endangered under the subspecies concept in the 1992 listing.

**INSECTA, Order Hymenoptera (ants, bees, and wasps)**

*Bombus crotchii*

Crotch's bumble bee

- 1) Originally advanced to candidacy by the Fish and Game Commission in June 2019. The candidacy determination was challenged in court. Candidacy was temporarily stayed beginning February 2021 following an adverse trial court judgment. The Third District Court of Appeal reversed the trial court judgment. Candidacy was reinstated on September 30, 2022.

*Bombus franklini*

Franklin's bumble bee

- 1) Originally advanced to candidacy by the Fish and Game Commission in June 2019. The candidacy determination was challenged in court. Candidacy was temporarily stayed beginning February 2021 following an adverse trial court judgment. The Third District Court of Appeal reversed the trial court judgment. Candidacy was reinstated on September 30, 2022.

*Bombus occidentalis*

western bumble bee

- 1) Originally advanced to candidacy by the Fish and Game Commission in June 2019. The candidacy determination was challenged in court. Candidacy was temporarily stayed beginning February 2021 following an adverse trial court judgment. The Third District Court of Appeal reversed the trial court judgment. Candidacy was reinstated on September 30, 2022.

*Bombus suckleyi*

Suckley's cuckoo bumble bee

- 1) Originally advanced to candidacy by the Fish and Game Commission in June 2019. The candidacy determination was challenged in court. Candidacy was temporarily stayed beginning February 2021 following an adverse trial court judgment. The Third District Court of Appeal reversed the trial court judgment. Candidacy was reinstated on September 30, 2022.

## Fishes

### **SALMONIDAE (trout and salmon)**

#### *Oncorhynchus kisutch pop. 2*

coho salmon - southern Oregon / northern California ESU

- 1) Federal listing refers to populations between Cape Blanco, Oregon and Punta Gorda, Humboldt County, California.
- 2) State listing refers to populations between the Oregon border and Punta Gorda, Humboldt County, California.

#### *Oncorhynchus kisutch pop. 4*

coho salmon - central California coast ESU

- 1) Federal listing is limited to naturally spawning populations in streams between Punta Gorda, Humboldt County and the San Lorenzo River, Santa Cruz County.
- 2) State listing is limited to populations south of Punta Gorda, Humboldt County.

#### *Oncorhynchus mykiss irideus pop. 1*

steelhead - Klamath Mountains Province DPS

- 1) This ESU includes all naturally spawned populations residing in streams between the Elk River in Oregon and the Klamath River in California, inclusive.
- 2) CDFW SSC designation refers only to the California portion of the ESU and refers only to the summer-run.

#### *Oncorhynchus mykiss irideus pop. 10*

steelhead - southern California DPS

- 1) The federal designation refers to fish in the coastal basins from the Santa Maria River (inclusive), south to the U.S. - Mexico Border.

#### *Oncorhynchus mykiss irideus pop. 11*

steelhead - Central Valley DPS

- 1) Federal listing includes all runs in the Sacramento and San Joaquin rivers and their tributaries.

#### *Oncorhynchus mykiss irideus pop. 8*

steelhead - central California coast DPS

- 1) Federal listing includes all runs in coastal basins from the Russian River in Sonoma County, south to Soquel Creek in Santa Cruz County, inclusive. It includes the San Francisco and San Pablo Bay basins, but excludes the Sacramento-San Joaquin River basins.

#### *Oncorhynchus mykiss irideus pop. 9*

steelhead - south-central California coast DPS

- 1) Federal listing includes all runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.
- 2) CDFW SSC designation refers to southern steelhead trout.

*Oncorhynchus tshawytscha* pop. 11

chinook salmon - Central Valley spring-run ESU

- 1) Federal listing refers to the Central Valley spring-run ESU. It includes populations spawning in the Sacramento River and its tributaries.

*Oncorhynchus tshawytscha* pop. 13

chinook salmon - Central Valley fall / late fall-run ESU

- 1) The Central Valley fall/late fall-run ESU refers to populations spawning in the Sacramento and San Joaquin rivers and their tributaries.
- 2) CDFW SSC designation refers only to the fall-run.

*Oncorhynchus tshawytscha* pop. 17

chinook salmon - California coastal ESU

- 1) Originally proposed as part of a larger Southern Oregon and California Coastal ESU. This new ESU was revised to include only naturally spawned coastal spring- and fall-run chinook salmon between Redwood Creek in Humboldt County and the Russian River in Sonoma County.

## **OSMERIDAE (smelt)**

*Spirinchus thaleichthys*

longfin smelt

- 1) Federal proposed endangered status (2022-10-07) is for the San Francisco Bay-Delta DPS of the longfin smelt.

*Thaleichthys pacificus*

eulachon

- 1) The Federal Threatened status pertains to the "southern DPS" of eulachon that range from central British Columbia, Washington, Oregon, and northern California.

## **CYPRINIDAE (minnows and carp)**

*Rhinichthys osculus* ssp. 1

Amargosa Canyon speckled dace

- 1) Current taxonomy considers this taxon to be a distinct population of *Rhinichthys osculus nevadensis*.

*Rhinichthys osculus* ssp. 12

Long Valley speckled dace

- 1) Formerly *Rhinichthys osculus* ssp. 5, which did not account for other undescribed subspecies outside of CA.

*Rhinichthys osculus* ssp. 2

Owens speckled dace

- 1) Current taxonomy includes the Benton Valley speckled dace (formerly ssp. 4) with the Owens speckled dace.

*Rhinichthys osculus* ssp. 8

Santa Ana speckled dace

- 1) Formerly *Rhinichthys osculus* ssp. 3, which did not account for other undescribed subspecies outside of CA.

*Siphateles bicolor* ssp. 11

High Rock Springs tui chub

- 1) Formerly *Siphateles bicolor* ssp. 2, which did not account for other undescribed subspecies outside of CA.

*Siphateles bicolor* ssp. 12

Eagle Lake tui chub

- 1) Formerly *Siphateles bicolor* ssp. 1, which did not account for other undescribed subspecies outside of CA.

*Siphateles bicolor* ssp. 14

Pit River tui chub

- 1) Formerly *Siphateles bicolor* ssp. 3, which did not account for other undescribed subspecies outside of CA.

## **Amphibians**

### **PLETHODONTIDAE (lungless salamanders)**

*Aneides niger*

Santa Cruz black salamander

- 1) CDFW SSC status uses former subspecies concept of *Aneides flavipunctatus niger*.

*Batrachoseps relictus*

relictual slender salamander

- 1) Taxonomy follows Jockusch et al. 2012. Morphological and molecular diversification of slender salamanders (Caudata: Plethodontidae: Batrachoseps) in the southern Sierra Nevada of California with descriptions of two new species. *Zootaxa* 3190:1-30, which synonymized *Batrachoseps* sp. 1, Breckenridge Mountain slender salamander, with *B. relictus*.

*Hydromantes shastae*

Shasta salamander

- 1) *Hydromantes shastae* has been proposed to consist of cryptic genetic structuring that may warrant recognition of additional species named as *Hydromantes samweli* and *Hydromantes wintu* (Bingham et al. 2018, *Bull. Mus. Comp. Zool.* 161(10):403-427). Until formally reviewed by the Fish and Game Commission, all populations in the Shasta salamander complex are legally state threatened.

*Plethodon asupak*

Scott Bar salamander

- 1) Since this newly described species was formerly considered to be a subpopulation of *Plethodon stormi* (Mead et al. 2005), and since *Plethodon stormi* is listed as threatened under CESA, *Plethodon asupak* retains the designation as a threatened species under CESA (Calif. Regulatory Notice Register, No. 21-Z, p.916, 25 May 2007).

**BUFONIDAE (true toads)**

*Anaxyrus californicus*

arroyo toad

- 1) At the time of listing, arroyo toad was known as *Bufo microscaphus californicus*, a subspecies of southwestern toad. In 2001, it was determined to be its own species, *Bufo californicus*. Since then, many species in the genus *Bufo* were changed to the genus *Anaxyrus*, and now arroyo toad is known as *Anaxyrus californicus* (Frost et al. 2006).

*Anaxyrus canorus*

Yosemite toad

- 1) Formerly *Bufo canorus*; Frost et al. (2006. *The Amphibian Tree of Life. Bulletin of the American Museum of Natural History* 297: 1-370) placed this species in the genus *Anaxyrus* (Tschudi 1845).

*Anaxyrus exsul*

black toad

- 1) Formerly *Bufo canorus*; Frost et al. (2006. *The Amphibian Tree of Life. Bulletin of the American Museum of Natural History* 297: 1-370) placed this species in the genus *Anaxyrus* (Tschudi 1845).

*Incilius alvarius*

Sonoran Desert toad

- 1) Formerly *Bufo alvarius*. Between 2006-2009, the scientific name has been changed to *Cranopsis alvaria*, *Ollotis alvaria*, *Incilius alvarius*, back to *Ollotis alvarius*, and then back to *Incilius alvarius*. The common name has changed from Colorado River toad to Sonoran Desert toad.

### **RANIDAE (true frogs)**

#### *Lithobates pipiens*

northern leopard frog

- 1) Formerly *Rana pipiens*; Frost et al. (2006. The Amphibian Tree of Life. Bulletin of the American Museum of Natural History 297: 1-370) placed this species in the genus *Lithobates* (Fitzinger 1843).

#### *Lithobates yavapaiensis*

lowland leopard frog

- 1) Formerly *Rana yavapaiensis*; Frost et al. (2006. The Amphibian Tree of Life. Bulletin of the American Museum of Natural History 297: 1-370) placed this species in the genus *Lithobates* (Fitzinger 1843).

#### *Rana aurora*

northern red-legged frog

- 1) An mtDNA study (Shaffer et al. 2004) concluded that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap

#### *Rana draytonii*

California red-legged frog

- 1) An mtDNA study (Shaffer et al. 2004) concluded 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 100 km further north in coastal California than previously thought.

#### *Rana muscosa*

southern mountain yellow-legged frog

- 1) Both federally recognized Distinct Population Segments (DPS) of the mountain yellow-legged frog (*Rana muscosa*) are currently Endangered (2021). The mountain yellow-legged frog – northern DPS is known from the southern Sierra Nevada; the mountain yellow-legged frog – southern DPS is known from the Transverse Ranges.

#### *Rana sierrae*

Sierra Nevada yellow-legged frog



- 1) Formerly *Rana muscosa*. *Rana muscosa* was split into *Rana sierrae*, the Sierra Nevada yellow-legged frog, found in the northern and central Sierra Nevada, and *Rana muscosa*, the southern mountain yellow-legged frog, found in the southern Sierra Nevada and southern California.

## Reptiles

### **EMYDIDAE (box and water turtles)**

#### *Emys marmorata*

western pond turtle

- 1) CNDDDB tracks western pond turtle at the full species level, based on the determination that the previous subspecies split was not warranted (Spinks, P.Q. and Shaffer, H.B. 2005. Range-wide molecular analysis of the western pond turtle (*Emys marmorata*): cryptic variation, isolation by distance, and their conservation implications. *Molecular Ecology* 14(7):2047-2064).
- 2) Genus was updated to *Emys* based on findings in: Spinks, P.Q. and Shaffer, H.B. 2009. Conflicting mitochondrial and nuclear phylogenies for the widely disjunct *Emys* (Testudines: Emydidae) species complex, and what they tell us about biogeography and hybridization. *Systematic Biology*. 58(1):1-20.

### **XANTUSIIDAE (night lizards)**

#### *Xantusia vigilis sierrae*

Sierra night lizard

- 1) Formerly *Xantusia sierrae*; scientific name changed to reflect currently accepted subspecies concept.

### **ANNIELLIDAE (legless lizards)**

#### *Anniella alexanderae*

Temblor legless lizard

- 1) Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). The prior (Jennings and Hayes, 1994) and current (Thompson et al. 2016) Species of Special Concern (SSC) projects evaluated the traditional single species taxon and determined all legless lizards in California to be an SSC. Therefore, the SSC status is carried over to the new taxon concepts until further SSC evaluation.

#### *Anniella campi*

Southern Sierra legless lizard

- 1) Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). The prior (Jennings and Hayes, 1994) and current (Thompson et al. 2016) Species of Special Concern (SSC) projects evaluated the traditional single species taxon and determined all legless lizards in California to be an SSC. Therefore, the SSC status is carried over to the new taxon concepts until further SSC evaluation.

*Anniella grinnelli*

Bakersfield legless lizard

- 1) Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). The prior (Jennings and Hayes, 1994) and current (Thompson et al. 2016) Species of Special Concern (SSC) projects evaluated the traditional single species taxon and determined all legless lizards in California to be an SSC. Therefore, the SSC status is carried over to the new taxon concepts until further SSC evaluation.

*Anniella pulchra*

Northern California legless lizard

- 1) Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). The prior (Jennings and Hayes, 1994) and current (Thompson et al. 2016) Species of Special Concern (SSC) projects evaluated the traditional single species taxon and determined all legless lizards in California to be an SSC. Therefore, the SSC status is carried over to the new taxon concepts until further SSC evaluation.

*Anniella* spp.

California legless lizard

- 1) This element represents California records of *Anniella* not yet assigned to new species within the *Anniella pulchra* complex. Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). CNDDDB has assigned new species concepts to most, but not all, previously known and extant legless lizard occurrences. Where an occurrence of a legless lizard is not known to the species level, the general concept California legless lizard (*Anniella* spp.) will be applied until further evidence is available. All legless lizards in California are a Species of Special Concern (Thomson et al., 2016).

*Anniella stebbinsi*

Southern California legless lizard

- 1) Legless lizards (*Anniella* spp.) in California were traditionally considered one species, but are now considered five species (Pappenfuss and Parham, 2013). The prior (Jennings and Hayes, 1994) and current (Thompson et al. 2016) Species of Special Concern (SSC) projects evaluated the traditional single species taxon and determined all legless lizards in California to be an SSC. Therefore, the SSC status is carried over to the new taxon concepts until further SSC evaluation.

**HELODERMATIDAE (venomous lizards)**

*Heloderma suspectum cinctum*

banded Gila monster

- 1) BLM Sensitive designation refers to the full species.

**NATRICIDAE (live-bearing snakes)**

*Thamnophis sirtalis pop. 1*

south coast gartersnake

- 1) CDFW Species of Special Concern treats this population as a distinct taxon, though it is more commonly treated as a subpopulation of *Thamnophis sirtalis infernalis*, the California red-sided gartersnake.

**Birds**

**PHASIANIDAE (grouse and ptarmigan)**

*Centrocercus urophasianus*

greater sage-grouse

- 1) 20151002 finding was that federal listing of the full species was not warranted, Proposed rule to federally list the Bi-State DPS (Mono Basin of CA and NV; Mono, Alpine, and Inyo counties in California) as threatened was withdrawn 20200331.

*Dendragapus fuliginosus howardi*

Mount Pinos sooty grouse

- 1) Formerly merged with *D. obscurus* as blue grouse, but separated on the basis of genetic evidence and differences in voice, behavior, and plumage.

**PELECANIIDAE (pelicans)**

*Pelecanus occidentalis californicus*

California brown pelican

- 1) Removed from Fully Protected list (Fish & Game Code §3511) in July 2023 by Senate Bill no. 147

**ACCIPITRIDAE (hawks, kites, harriers, and eagles)**

*Circus hudsonius*

northern harrier

- 1) Formerly considered conspecific with *Circus cyaneus*, but treated as separate on the basis of differences in morphology, plumage, and breeding habitat.

**FALCONIDAE (falcons)**

*Falco peregrinus anatum*

American peregrine falcon

- 1) Removed from Fully Protected list (Fish & Game Code §3511) in July 2023 by Senate Bill no. 147

**RALLIDAE (rails, coots, and gallinules)**

*Laterallus jamaicensis coturniculus*

California black rail

- 1) The IUCN designation of Near Threatened refers to the full species.

**CHARADRIIDAE (plovers and relatives)**

*Charadrius montanus*

mountain plover

- 1) Proposed rule to federally list the mountain plover as threatened was withdrawn 20110512.

*Charadrius nivosus nivosus*

western snowy plover

- 1) Federal listing applies only to the Pacific coastal population.
- 2) CDFW SSC designation refers to both the coastal and interior populations.

**LARIDAE (gulls and terns)**

*Gelocheidon nilotica*

gull-billed tern

- 1) Taxonomy recently changed from *Sterna nilotica*.

*Hydroprogne caspia*

Caspian tern

- 1) Taxonomy recently changed from *Sterna caspia*.

*Sternula antillarum browni*

California least tern

- 1) Taxonomy recently changed from *Sterna antillarum browni*.

*Thalasseus elegans*

elegant tern

- 1) Taxonomy recently changed from *Sterna elegans*.

**ALCIDAE (auklets, puffins, and relatives)**

*Synthliboramphus scrippsi*

Scripps's murrelet

- 1) Formerly included in Xantus's murrelet as *Synthliboramphus hypoleucus scrippsi*. Now considered a full species.

## **STRIGIDAE (owls)**

### *Athene cunicularia*

#### burrowing owl

- 1) A burrow site = an observation of one or more owls at a burrow or evidence of recent occupation such as whitewash and feathers. Winter observations at a burrow are mapped. Winter observations with or without a burrow in San Francisco, Ventura, Sonoma, Marin, Napa, and Santa Cruz Counties are mapped.

### *Strix occidentalis caurina*

#### northern spotted owl

- 1) There are no spotted owl EOs in the CNDDDB. All spotted owl location information is maintained in a separate database (<https://wildlife.ca.gov/Data/CNDDDB/Spotted-Owl-Info>). CNDDDB subscribers can access these datasets from the same bookmark as the CNDDDB layer in BIOS (<https://www.wildlife.ca.gov/Data/BIOS>).

### *Strix occidentalis occidentalis*

#### California spotted owl

- 1) There are no spotted owl EOs in the CNDDDB. All spotted owl location information is maintained in a separate database (<https://wildlife.ca.gov/Data/CNDDDB/Spotted-Owl-Info>). CNDDDB subscribers can access these datasets from the same bookmark as the CNDDDB layer in BIOS (<https://www.wildlife.ca.gov/Data/BIOS>).
- 2) On 20230223, coastal-southern California DPS was federally proposed Endangered, and Sierra Nevada DPS was federally proposed Threatened.

## **TYRANNIDAE (tyrant flycatchers)**

### *Empidonax traillii*

#### willow flycatcher

- 1) State listing of the full species includes all subspecies.

### *Empidonax traillii brewsteri*

#### little willow flycatcher

- 1) State listing of the full species includes all subspecies.

### *Empidonax traillii extimus*

#### southwestern willow flycatcher

- 1) State listing of the full species includes all subspecies.

## **LANIIDAE (shrikes)**

*Lanius ludovicianus mearnsi*

San Clemente loggerhead shrike

- 1) Subspecific identity of shrikes currently on San Clemente is uncertain. Mundy et al. (1997a, b) provided evidence *L. l. mearnsi* is genetically distinct from *L. l. gambeli* and *L. l. anthonyi*, whereas Patten and Campbell (2000) concluded, based on morphology, that the birds now on San Clemente are intergrades between *L. l. mearnsi* and *L. l. anthonyi*.

**VIREONIDAE (vireos)**

*Vireo bellii arizonae*

Arizona Bell's vireo

- 1) The IUCN designation of Near Threatened refers to the full species.

*Vireo bellii pusillus*

least Bell's vireo

- 1) The IUCN designation of Near Threatened refers to the full species.

**TROGLODYTIDAE (wrens)**

*Campylorhynchus brunneicapillus sandiegensis*

coastal cactus wren

- 1) CDFW Bird Species of Special Concern report uses the common name San Diego cactus wren.

**POLIOPTILIDAE (gnatcatchers)**

*Poliioptila californica californica*

coastal California gnatcatcher

- 1) CDFW Bird Species of Special Concern report uses the common name Alta California gnatcatcher.

**MIMIDAE (mockingbirds and thrashers)**

*Toxostoma lecontei*

Le Conte's thrasher

- 1) CDFW SSC designation refers only to the San Joaquin population.
- 2) The BLM Sensitive designation refers to the San Joaquin Le Conte's thrasher, *Toxostoma lecontei macmillanorum*, although the subspecies concept is not universally recognized.

**PASSERELLIDAE (sparrows)**

*Artemisiospiza belli clementeae*

San Clemente Bell's sparrow

- 1) Subspecific validity uncertain. Recognized by AOU (1957), but not by Patten and Unitt (2002).

*Melospiza melodia graminea*

Channel Island song sparrow

- 1) Subspecific validity is uncertain. This subspecies when referred to as Santa Barbara song sparrow is extinct. However, the subspecies was merged by Patten (2001) with the San Miguel (*M. m. micronyx*), and San Clemente (*M. m. clementae*) song sparrows as the Channel Island song sparrow with the subspecific name *M. m. graminea*.

*Melozona crissalis eremophilus*

Inyo California towhee

- 1) Previously in the genus *Pipilo*.

## **PARULIDAE (wood-warblers)**

*Geothlypis trichas sinuosa*

saltmarsh common yellowthroat

- 1) CDFW Bird Species of Special Concern report uses the common name San Francisco common yellowthroat

*Setophaga petechia*

yellow warbler

- 1) This element includes the subspecies *S. p. morcormi* and *S. p. brewsteri*, which are tracked under the full species, *S. petechia*, due to difficulty distinguishing them. *S. p. sonorana*, which nests in California only along the Colorado River, is tracked separately.

*Setophaga petechia sonorana*

Sonoran yellow warbler

- 1) Nests in California only along the Colorado River. Observations of yellow warblers from other regions are tracked as the full species, *S. petechia*.

## **Mammals**

### **PHYLLOSTOMIDAE (leaf-nosed bats)**

*Leptonycteris yerbabuenae*

lesser long-nosed bat

- 1) Federal listing uses the scientific name *Leptonycteris curasoae yerbabuenae*.

**VESPERTILIONIDAE (evening bats)**

*Lasiurus frantzii*

western red bat

- 1) Nomenclature changed from *Lasiurus blossevillii* to *Lasiurus frantzii* based on Baird et al. 2015, J. of Mammalogy 96(6):1255-1274.

**APLodontiidae (mountain beavers)**

*Aplodontia rufa californica*

Sierra Nevada mountain beaver

- 1) The IUCN Least Concern designation refers to the full species.

*Aplodontia rufa nigra*

Point Arena mountain beaver

- 1) The IUCN Least Concern designation refers to the full species.

*Aplodontia rufa phaea*

Point Reyes mountain beaver

- 1) The IUCN Least Concern designation refers to the full species.

**HETEROMYIDAE (kangaroo rats, pocket mice, and kangaroo mice)**

*Perognathus alticola alticola*

white-eared pocket mouse

- 1) CDFW SSC, BLM Sensitive, and IUCN Endangered designations refer to the full species.

*Perognathus alticola inexpectatus*

Tehachapi pocket mouse

- 1) CDFW SSC and IUCN Endangered designations refer to the full species.

*Perognathus inornatus*

San Joaquin pocket mouse

- 1) This element includes the subspecies *P. i. inornatus* and *P. i. neglectus*, which are tracked under the full species, *P. inornatus*, due to difficulty distinguishing them. *P. i. inornatus* generally occurs on the eastern side of the San Joaquin Valley, while *P. i. neglectus* generally occurs on the western side. *P. i. psammophilus*, which occurs only in the Salinas Valley, is tracked separately.



**CRICETIDAE (mice, rats, and voles)**

*Neotoma fuscipes riparia*

riparian (=San Joaquin Valley) woodrat

- 1) This species is currently undergoing taxonomic revision

*Reithrodontomys megalotis santacruzae*

Santa Cruz harvest mouse

- 1) Synonymous with *Reithrodontomys megalotis longicaudus*, Santa Cruz Island population.

**CANIDAE (foxes, wolves, and coyotes)**

*Urocyon littoralis catalinae*

Santa Catalina Island fox

- 1) The IUCN Near Threatened status refers to the full species.

*Urocyon littoralis clementae*

San Clemente Island fox

- 1) The IUCN Near Threatened status refers to the full species.

*Urocyon littoralis dickeyi*

San Nicolas Island fox

- 1) The IUCN Near Threatened status refers to the full species.

*Urocyon littoralis littoralis*

San Miguel Island fox

- 1) The IUCN Near Threatened status refers to the full species.

*Urocyon littoralis santacruzae*

Santa Cruz Island fox

- 1) The IUCN Near Threatened status refers to the full species.

*Urocyon littoralis santarosae*

Santa Rosa Island fox

- 1) The IUCN Near Threatened status refers to the full species.

**MUSTELIDAE (weasels and relatives)**

*Enhydra lutris nereis*

southern sea otter

- 1) The IUCN Endangered designation refers to the full species.

*Lontra canadensis sonora*

southwestern river otter

- 1) CDFW SSC status refers only to the subspecies *L. canadensis sonora*, which is known in California only from the Colorado River.

*Martes caurina humboldtensis*

Humboldt marten

- 1) Federal status refers to the coastal DPS of Pacific marten (*Martes caurina*)

*Pekania pennanti*

Fisher

- 1) In 2004, the West Coast DPS of fisher became a candidate for federal listing, and underwent numerous evaluations, proposed rules, and revisions in subsequent years. In 2020, the West Coast DPS was further divided into the Southern Sierra Nevada DPS and the Northern California/Southern Oregon DPS (which also includes Northern Sierra Nevada and Southern Oregon Cascades subpopulations which arose from reintroductions). State threatened and federal endangered statuses apply only to the Southern Sierra Nevada ESU/DPS. State listing defines the northern limit of the SSN ESU as the Merced River, while federal listing uses the Tuolumne River.

**BOVIDAE (sheep and relatives)**

*Ovis canadensis nelsoni*

desert bighorn sheep

- 1) Desert bighorn sheep (*O. c. nelsoni*) in the Peninsular Ranges are tracked as a metapopulation of the subspecies, Peninsular bighorn sheep DPS (*O. c. nelsoni* pop. 2)
- 2) Fully Protected with the exception of legal hunting conducted in compliance with California Code of Regulations 14 CCR 362.

*Ovis canadensis nelsoni* pop. 2

Peninsular bighorn sheep DPS

- 1) The subspecies peninsular bighorn sheep (*O. c. cremnobates*) has been synonymized with *O. c. nelsoni* (Wehausen & Ramey 1993). Peninsular bighorn sheep are now considered to be a metapopulation and are recognized as a federal Distinct Population Segment (DPS).