

Number of Species¹ in California Natural Community Conservation Plans (NCCPs)²

August 2015

Species Covered by NCCPs	Plant	Invertebrate	Fish	Amphibian	Reptile	Bird	Mammal	Total
Total FE, FT, SE, ST	59	13	14	6	6	21	12	131
Total FE, FT, FC, FPT, SE, ST, SCE, SCT, SR	66	14	14	6	7	21	13	141
Total FE, FE, FC, FPT, SE, ST, SCE, SCT, SR, CSSC, CFP, CNPS	231	14	18	11	20	53	31	378
Total With and Without Special Status	282	26	18	14	34	88	46	508

Species With a Portion of Their Range in an NCCP Plan Area	Plant	Invertebrate	Fish	Amphibian	Reptile	Bird	Mammal	Total
Total FE, FT, SE, ST	84	18	21	7	8	21	19	178
Total FE, FT, FC, FPT, SE, ST, SCE, SCT, SR	97	20	21	7	8	21	21	195
Total FE, FE, FC, FPT, SE, ST, SCE, SCT, SR, CSSC, CFP, CNPS	646	20	33	18	26	52	61	856
Total Vertebrate Species With and Without Special Status			97	47	76	350	163	733

Legend		
FE = Federal Endangered	SE = State Endangered	SR = State Rare
FT = Federal Threatened	ST = State Threatened	CSSC = California Species of Special Concern
FC = Federal Candidate	SCE = State Candidate Endangered	CFP = California Fully Protected
FPT = Federal Proposed Threatened	SCT = State Candidate Threatened	CNPS = California Native Plant Society List 1 and 2

¹ The term species is used throughout this document, although special status may be at the level of species, subspecies, variety, or Evolutionarily Significant Unit (ESU).

² NCCPs in both preparation and implementation phases are included. To date, there are 22 NCCPs statewide – 13 in preparation and 9 in implementation.

Notes

Covered species lists were taken from the most recent documents associated with each plan.

Species with a portion of their range in an NCCP plan area may or may not be covered by the plan. Their numbers are included here to indicate how many species may potentially benefit from a regional conservation planning effort.

Number of special status species with a portion of their range in an NCCP plan area was derived by intersecting California Natural Diversity Database (CNDDDB) polygon occurrence data with a layer of plan area boundaries in a Geographic Information System (GIS). CNDDDB is a statewide inventory of the locations and condition of the state's rarest plant and animal species. (<http://www.dfg.ca.gov/biogeodata/cnddb/>)

Number of vertebrate species with a portion of their range in an NCCP plan area was derived for amphibians, reptiles, birds and mammals by intersecting range maps from the California Wildlife Habitat Relationships (CWHR) System with a layer of plan area boundaries in a GIS. CWHR is an information system and predictive model for California's wildlife containing range maps and habitat relationship information on all of the state's regularly occurring terrestrial vertebrates. (<http://www.dfg.ca.gov/biogeodata/cwhr/>)

Number of vertebrate species with a portion of their range in an NCCP plan area was derived for fish by intersecting Fish Distribution Maps with a layer of plan area boundaries in a GIS. (Moyle, P.B., P. Randall, and M. Byrne. 1998. University of California, Davis. Department of Wildlife, Fisheries and Conservation Biology.)

Total numbers for any given group of species are mutually exclusive across NCCPs. For example, if a species was covered by more than one NCCP, it was only counted once.

Glossary

California Fully Protected Species: a designation applying to selected species under California Fish and Game Code Sections 3511 (birds), 4700 (mammals), 5050 (amphibians and reptiles), and 5515 (fish).

California Native Plant Society Lists: a ranking system for California's rarest plants. (<http://www.cnps.org/cnps/rareplants/ranking.php>)

California Species of Special Concern: an administrative designation given to animals that were not listed under the federal Endangered Species Act or the California Endangered Species Act at the time of designation but are declining at a rate that could, and sometimes does, result in listing.

Candidate: under the federal Endangered Species Act, a plant or animal species not yet the subject of a formal Proposed Rule, but for which the United States Fish and Wildlife Service has all information needed to propose it for listing as endangered or threatened. Under the California Endangered Species Act, a plant or animal species that the Fish and Game Commission has formally noticed as being under review by the California Department of Fish and Wildlife for listing as endangered or threatened.

Endangered: one of several special status listing designations of plant and animal species. Under the federal Endangered Species Act and California Endangered Species Act, endangered refers to a species that is in danger of becoming extinct throughout all or a significant portion of its range.

Evolutionarily Significant Unit (ESU): a genetically distinct population segment of a species; ESUs may be protected under the federal Endangered Species Act.

Geographic Information System (GIS): an organized assembly of people, data, techniques, computers, and programs for acquiring, analyzing, storing, retrieving, and displaying spatial information about the real world.

Invertebrate: an animal without an internal skeleton.

Proposed: under the federal Endangered Species Act, a candidate species that has been found to warrant listing as either threatened or endangered and for which listing has been proposed in the Federal Register.

Range: the maximum geographic extent of a species in the state; does not imply that suitable conditions exist throughout the defined limits.

Rare: one of several special status listing designations in state law; it applies only to plants.

Subspecies: the level of biological classification below species; a genetically-distinct group.

Threatened: one of several special status listing designations of plant and animal species. Under the federal Endangered Species Act and California Endangered Species Acts, threatened refers to a species that is likely to become endangered in the foreseeable future.

Variety: a level of biological classification below species; applies only to plants.

Vertebrate: an animal with an internal skeleton.