

COOPERATIVE AGREEMENT BETWEEN  
THE CALIFORNIA DEPARTMENT OF FISH AND  
WILDLIFE  
AND  
THE U.S. FISH AND WILDLIFE SERVICE  
Endangered and Threatened Fish, Wildlife and Plants

This Limited Authority Cooperative Agreement is entered into pursuant to Section 6(c) of the Endangered Species Act of 1973, as amended 16 U.S.C. § 1531 et seq. (hereinafter referred to as "ESA"), the California Endangered Species Act of 1984 ((Fish & G. Code § 2050 et seq., hereinafter "CESA")), and the California Native Plant Protection Act of 1977 (Fish & G. Code § 1900 et seq.), between the U.S. Fish and Wildlife Service, U.S. Department of the Interior, and the California Department of Fish and Wildlife. Hereinafter, the parties shall be referred to as "USFWS" and "CDFW", respectively.

WHEREAS, the Congress of the United States has found that there are resident species of fish, wildlife and plants which are in danger of extinction and that these species of fish, wildlife and plants are of aesthetic, ecological, educational, scientific, economic, and other value to the Nation and its people;

WHEREAS, the purposes of the ESA are to provide a means whereby the ecosystems upon which endangered and threatened fish, wildlife and plants depend may be conserved, to provide a program for the conservation of such species, and to take such steps as may be appropriate to achieve the purposes of the various treaties and conventions related to the conservation of fish, wildlife and plants;

WHEREAS, the Congress of the United States has declared that encouraging the States and other interested parties, through Federal financial assistance and a system of incentives, to develop and maintain conservation programs which meet national and international standards as expressed in the said Endangered Species Act is a key to meeting the Nation's international commitments and to better safeguarding, for the benefit of all citizens, the Nation's heritage in its fish, wildlife and plants;

WHEREAS, the Secretary of the Interior (hereinafter referred to as "Secretary") has delegated her responsibilities under the ESA to the Director, USFWS;

WHEREAS, the Director, USFWS, desires to enter into this Cooperative Agreement for the purpose of assisting in the implementation of the endangered, threatened and candidate fish, wildlife, and plant conservation program of the State of California for those species under his or her jurisdiction;

WHEREAS, the State of California acting through the CDFW, wishes to administer its program for the conservation of endangered, threatened and candidate fish, wildlife and plants in harmony with the terms and spirit of the ESA;

WHEREAS, the parties have agreed to a Memorandum of Agreement outlining further procedures to implement this Cooperative Agreement;

WHEREAS, the parties agree that programs of the State of California are designed to assist in the conservation and recovery of resident endangered, threatened and candidate fish, wildlife and plants, and

that it is the mutual desire of the CDFW and the USFWS to work in harmony for the common purposes of planning, developing and conducting programs to protect and enhance populations of all resident endangered and threatened fish, wildlife and plants under the jurisdiction of USFWS (see Appendix A) within the State of California;

WHEREAS, the Director, USFWS, has the statutory and administrative responsibility to establish programs for the conservation of endangered and threatened fish, wildlife and plants which are under his or her jurisdiction; to provide periodic review of the State program at no greater than annual intervals; to provide funding to that program as such funding is available and in accordance with the terms of the ESA; to provide coordination among the programs of the various States; and to exchange with the CDFW such biological data or other information which may result in the enhancement and recovery of endangered and threatened fish, wildlife and plants;

WHEREAS, the CDFW:

- (a) has the authority to conserve resident fish, wildlife and plants determined by the State agency or the Secretary to be endangered or threatened;
- (b) has established an acceptable conservation program, consistent with the purposes and policies of the ESA, for resident fish, wildlife and plants in the State of California which are deemed by the Secretary to be endangered and threatened<sup>1</sup> and has furnished a copy of such a program together with all pertinent details, information, and data requested by the Secretary;
- (c) has the authority to conduct investigations to determine the status and requirements for survival of resident fish, wildlife and plants;
- (d) has the authority to establish programs, including the acquisition of land or aquatic habitat or interests therein, for the conservation of resident endangered or threatened fish, wildlife and plants;
- (e) has provided for public participation in designating resident fish, wildlife and plants as endangered or threatened; and
- (f) has included as part of its conservation program plans to give immediate attention to those resident species of fish and wildlife or plants determined to be endangered or threatened under the ESA or CESA and which the Secretary and CDFW agree are most urgently in need of conservation programs.

Now therefore the parties agree as follows:

1. Cooperative Program

- (a) The CDFW will carry out the ESA activities identified in its program for the benefit of the endangered, threatened and candidate fish, wildlife and plants which are resident in the State of California.
- (b) The Director, USFWS, may agree with the State of California to provide financial

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<sup>1</sup> The California Endangered Species Act definitions for Endangered or Threatened species do not explicitly include invertebrates. Shasta Crayfish and California Freshwater Shrimp were grandfathered with Endangered status, and Trinity Bristle Snail was grandfathered with Threatened status when CESA was amended in 1984.

assistance for the implementation of an acceptable project for the conservation of endangered, threatened and candidate fish, wildlife and plants. Such financial assistance will require the submission of an Application for Federal Assistance and the successful negotiation of a Project Agreement.

- (c) As part of this cooperative program, the law enforcement authorities of USFWS and the CDFW shall cooperate in the detection, apprehension, and prosecution of violators of the ESA or State law intended to conserve endangered or threatened fish, wildlife and plants.
- (d) As additional species of resident fish, wildlife and plants in the State of California are listed as endangered, threatened or identified as candidates by the USFWS or by the State of California, the parties agree to cooperate in the development of programs and projects for the benefit of such species.
- (e) It is understood that any Federal funding pursuant to Section 6(d) of the ESA is contingent on the continued implementation of an adequate and active program for the conservation of federally listed endangered and threatened fish, wildlife and plants that are resident in the State of California as defined in 50 CFR Part 81. If the program for the conservation of such fish, wildlife or plants is determined by the Director, USFWS, to be inadequate or inactive, this Agreement and funding shall be terminated in accordance with Sections 5 and 7 of this Agreement.
- (f) As part of the listing process pursuant to Section 4 of the ESA for the determination of endangered and threatened fish, wildlife and plants, and of critical habitat for federally listed endangered or threatened species, the USFWS agrees to solicit the scientific expertise of and biological information and other data from CDFW as necessary and appropriate to facilitate such determination by the Director, USFWS as specified in the Memorandum of Agreement between USFWS and CDFW.
- (g) As part of the interagency cooperation and consultation process provided for by Section 7 of the ESA, USFWS agrees to solicit the scientific expertise of and biological and other data from CDFW as necessary and appropriate during the consultation process as specified in the Memorandum of Agreement between USFWS and CDFW.

## 2. Exceptions to ESA Prohibitions

- (a) Any qualified employee or agent of the CDFW who is designated by CDFW for such purposes, may, when acting in the course of his or her official duties, take Federally listed endangered fish or wildlife species covered by this Cooperative Agreement in order to carry out conservation programs in accordance with this Cooperative Agreement provided that such taking is not reasonably anticipated to result in:

1. The death or permanent disabling of the specimen<sup>2</sup>;
  2. The removal of the specimen from the State of California;
  3. The introduction of the specimen or any of its progeny into an area beyond the historical range of the species; or
  4. The holding of fish or wildlife specimens in captivity for a period of more than forty-five (45) consecutive days.
- (b) Any qualified employee or agent of the CDFW who is designated by CDFW for such purposes, may, when acting in the course of his official duties, take threatened species of fish or wildlife covered by this Cooperative Agreement in order to carry out conservation programs in accordance with this Cooperative Agreement. Whenever a special rule in 50 CFR 17.40 to 17.48 applies to a threatened fish or wildlife species, the provisions of this paragraph will not apply, and the special rule will contain all the applicable prohibitions and exceptions.
- (c) Any employee or agent of the CDFW who is designated by CDFW for such purposes, may, when acting in the course of official duties, remove and reduce to possession from areas under Federal jurisdiction endangered plants covered by this Cooperative Agreement in order to carry out conservation programs in accordance with this Cooperative Agreement provided that such removal is not reasonably anticipated to result in:
1. The death or permanent damage of the specimens;
  2. The removal of the specimen from the State where the removal occurred; or
  3. The introduction of the specimen so removed, or of any propagules derived from such a specimen, into an area beyond the historical range of the species.
- (d) Any employee or agent of the CDFW who is designated by CDFW for such purposes, may, when acting in the course of official duties, remove and reduce to possession from areas under Federal jurisdiction threatened plants covered by this Cooperative Agreement in order to carry out conservation programs in accordance with this Cooperative Agreement. Whenever a special rule in 50 CFR 17.73 to 17.78 applies to a threatened plant species, the provisions of this paragraph will not apply, and the special rule will contain all the applicable prohibitions and exceptions.

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<sup>2</sup> Implementation of conservation programs for fish and wildlife species covered by this Cooperative Agreement, carried out by CDFW employees or agents using established scientifically sound protocols and techniques will generally not result in the death or permanent disabling of a specimen. Consequently, the need to separately address take of endangered or threatened species associated with such purposeful management activities should be a rare occurrence. Examples of conservation program activities that generally will not result in death or permanent disability of a specimen include rescue of fish, wildlife or plant species from an imminent threat; surveys and monitoring of listed species on CDFW wildlife management areas and ecological reserves or mitigation lands; and capture of fish or wildlife to prevent or treat disease.

- (e) The authority conveyed to the CDFW by subsection 2(a), 2(b), 2(c) and 2(d) may be suspended by the USFWS. The suspension may be limited to one or more particular species or the suspension may apply to all authority under these subsections. The USFWS may suspend the CDFW's authority under these subsections upon a determination by the USFWS Regional Director that there exists substantial evidence that such authority has been used in a manner inconsistent with these subsections and written notice of this determination to the CDFW. Within thirty (30) days of receipt of the notice, the CDFW may submit a written request for review of the suspension along with information demonstrating compliance to the USFWS Director. The USFWS Director shall promptly consider the CDFW's submission and may (1) affirm the Regional Director's determination and revoke the authority that was suspended or (2) reverse the Regional Director's determination and reinstate the authority that was suspended.

### 3. Records

The CDFW agrees to maintain records of:

- (a) The federally funded projects for the conservation of endangered, threatened or candidate fish, wildlife or plants in accordance with 43 CFR subsection 12.82; and
- (b) The number of specimens of each species of federally listed endangered and threatened fish or wildlife taken pursuant to 50 CFR § 17.21(c)(5) and § 17.31(b) as amended, or federally listed endangered or threatened plants removed and reduced to possession in areas under Federal jurisdiction pursuant to 50 CFR § 17.61(c)(4) and § 17.71(b) as amended, by State employees or agents, the conservation purposes for which they were taken or removed and reduced to possession, any mortalities or permanently disabling injuries resulting from such action, and the disposition of specimens taken.

### 4. Notification

The CDFW agrees to inform the USFWS of any change in circumstances that could cause the State program to be in nonconformance with the requirements of Section 6(c) of the ESA. Included without limitation are changes in the CDFW's relevant constitutional, statutory, or regulatory authority. The CDFW shall promptly furnish the USFWS with an assessment of the effect of such a change on the State's ability to remain in compliance with the requirements of Section 6(c) of the ESA. The Director, USFWS, agrees to notify the State of all regulations and rulemakings made pursuant to the provisions of the ESA that might affect the State's program.

### 5. Effective Date and Renewal

- (a) This Agreement shall become effective when signed by the Regional Director, USFWS, and the Director, CDFW, and may be renewed in the following manner: Not later than June 30th of each year the CDFW shall submit to the USFWS, the following items: (1) additions and/or deletions to the State lists of endangered or threatened, fish, wildlife or plants which are resident in the State of California; (2) a memorandum of law analyzing any changes in the CDFW's statutory authority for



endangered or threatened fish, wildlife or plants which were made since the date of the previous program submission. The memorandum shall also address any new laws that may affect the ability of the program to continue to meet criteria for an adequate and active program for the conservation of threatened and endangered species under 50 C.F.R 81.2; (3) a list of any substantial changes in the State's endangered or threatened fish, wildlife or plant conservation programs since the date of the previous program submission; (4) a detailed description of the number of specimens of each species of federally listed endangered and threatened fish or wildlife species taken pursuant to 50 CFR § 17.21(c)(5) and § 17.31(b) as amended, or federally listed endangered or threatened plants removed and reduced to possession in areas under Federal jurisdiction pursuant to 50 CFR § 17.61(c)(4) and § 17.71(b) as amended, by State employees or agents, the conservation purposes for which they were taken or removed and reduced to possession, and any mortalities or permanently disabling injuries resulting from such action ; and (5) copies of such reports the CDFW has prepared since the previous program accomplishments for resident, federally listed endangered and threatened species.

- (b) A schedule for regular coordination between USFWS and CDFW will be incorporated in the Memorandum of Agreement.
- (c) USFWS will, on or before October 1st of each year, notify the CDFW in writing either that the Cooperative Agreement is renewed effective October 21st of that year, or that the CDFW endangered and threatened fish, wildlife and plant conservation program or authorities are not in compliance with the criteria of Section 6(c) of the ESA, and unless appropriate changes are made by June 30th of the following year, this Agreement shall be terminated.
- (d) For the purposes of this section, the phrase "previous program submission" means either the program submission of (1) the original Cooperative Agreement and amendments or (2) the most recent renewal application for the Cooperative Agreement, whichever is later in time.

## 6. Amendment

This Agreement may be amended at any time with the concurrence of the signatory parties.

## 7. Termination

This Agreement may be terminated: (a) by mutual agreement; (b) by the CDFW upon 60 days written notice to the USFWS; or (c) notwithstanding the renewal provisions in Section 5(a) of this Cooperative Agreement, by the USFWS upon 60 days written notice to the signatory party for the State of California from the Regional Director, USFWS, stating that the State's endangered and threatened fish, wildlife or plant conservation program is no longer in compliance with the criteria of Section 6(c) of the ESA or that the State has violated a provision of this Agreement. The CDFW may submit a written request for review to the Director, USFWS, within 30 days of receipt of the termination notice. The Director, USFWS, will consider all evidence submitted by the CDFW in its request for review and either reaffirm the conclusion of the Regional Director and terminate this Agreement at the end of

## Appendix A

### Federally-listed Threatened and Endangered Fish, Wildlife, and Plants Resident to California Under the Jurisdiction of USFWS

#### Animals

<u>Status</u>	<u>Species/Listing Name</u>
E	Albatross, short-tailed ( <i>Phoebastria (=Diomedea) albatrus</i> )
E	Beetle, Casey's June ( <i>Dinacoma caseyi</i> )
T	Beetle, delta green ground ( <i>Elaphrus viridis</i> )
E	Beetle, Mount Hermon June ( <i>Polyphylla barbata</i> )
T	Beetle, valley elderberry longhorn ( <i>Desmocerus californicus dimorphus</i> )
T	Butterfly, bay checkerspot ( <i>Euphydryas editha bayensis</i> )
E	Butterfly, Behren's silverspot ( <i>Speyeria zerene behrensii</i> )
E	Butterfly, callippe silverspot ( <i>Speyeria callippe callippe</i> )
E	Butterfly, El Segundo blue ( <i>Euphilotes battoides allyni</i> )
E	Butterfly, Lange's metalmark ( <i>Apodemia mormo langei</i> )
E	Butterfly, lotis blue ( <i>Lycaeides argyrognomon lotis</i> )
E	Butterfly, mission blue ( <i>Icaricia icarioides missionensis</i> )
E	Butterfly, Myrtle's silverspot ( <i>Speyeria zerene myrtleae</i> )
T	Butterfly, Oregon silverspot ( <i>Speyeria zerene hippolyta</i> )
E	Butterfly, Palos Verdes blue ( <i>Glaucopsyche lygdamus palosverdesensis</i> )
E	Butterfly, Quino checkerspot ( <i>Euphydryas editha quino (=E. e. wrighti)</i> )
E	Butterfly, San Bruno elfin ( <i>Callophrys mossii bayensis</i> )
E	Butterfly, Smith's blue ( <i>Euphilotes enoptes smithi</i> )
E	Chub, bonytail ( <i>Gila elegans</i> )
E	Condor, California ( <i>Gymnogyps californianus</i> )
E	Crayfish, Shasta ( <i>Pacifastacus fortis</i> )
T	Cuckoo, yellow-billed [Western U.S. DPS] ( <i>Coccyzus americanus</i> )
E	Curlew, Eskimo ( <i>Numenius borealis</i> )
E	Fairy shrimp, Conservancy ( <i>Branchinecta conservatio</i> )
E	Fairy shrimp, longhorn ( <i>Branchinecta longiantenna</i> )
E	Fairy shrimp, Riverside ( <i>Streptocephalus woottoni</i> )
E	Fairy shrimp, San Diego ( <i>Branchinecta sandiegonensis</i> )
T	Fairy shrimp, vernal pool ( <i>Branchinecta lynchi</i> )
E	Flycatcher, southwestern willow ( <i>Empidonax traillii extimus</i> )

StatusSpecies/Listing Name

E	Fly, Delhi Sands flower-loving ( <i>Rhaphiomidas terminatus abdominalis</i> )
E	Fox, San Joaquin kit ( <i>Vulpes macrotis mutica</i> )
E	Fox, San Miguel Island ( <i>Urocyon littoralis littoralis</i> )
E	Fox, Santa Catalina Island ( <i>Urocyon littoralis catalinae</i> )
E	Fox, Santa Cruz Island ( <i>Urocyon littoralis santacruzae</i> )
E	Fox, Santa Rosa Island ( <i>Urocyon littoralis santarosae</i> )
T	Frog, California red-legged ( <i>Rana draytonii</i> )
E	Frog, mountain yellow-legged [Northern California DPS] ( <i>Rana muscosa</i> )
E	Frog, mountain yellow-legged [Southern California DPS] ( <i>Rana muscosa</i> )
T	Frog, Oregon spotted ( <i>Rana pretiosa</i> )
T	Gnatcatcher, coastal California ( <i>Poliophtila californica californica</i> )
E	Goby, tidewater ( <i>Eucyclogobius newberryi</i> )
E	Grasshopper, Zayante band-winged ( <i>Trimerotropis infantilis</i> )
E	Kangaroo rat, Fresno ( <i>Dipodomys nitratoideis exilis</i> )
E	Kangaroo rat, giant ( <i>Dipodomys ingens</i> )
E	Kangaroo rat, Morro Bay ( <i>Dipodomys heermanni morroensis</i> )
E	Kangaroo rat, San Bernardino Merriam's ( <i>Dipodomys merriami parvus</i> )
E	Kangaroo rat, Stephens' ( <i>Dipodomys stephensi</i> (incl. <i>D. cascus</i> ))
E	Kangaroo rat, Tipton ( <i>Dipodomys nitratoideis nitratoideis</i> )
E	Lizard, blunt-nosed leopard ( <i>Gambelia silus</i> )
T	Lizard, Coachella Valley fringe-toed ( <i>Uma inornata</i> )
T	Moth, Kern primrose sphinx ( <i>Euproserpinus euterpe</i> )
E	Mountain beaver, Point Arena ( <i>Aplodontia rufa nigra</i> )
E	Mouse, Pacific pocket ( <i>Perognathus longimembris pacificus</i> )
E	Mouse, salt marsh harvest ( <i>Reithrodontomys raviventris</i> )
T	Murrelet, marbled ( <i>Brachyramphus marmoratus</i> )
T	Otter, southern sea ( <i>Enhydra lutris nereis</i> )
T	Owl, northern spotted ( <i>Strix occidentalis caurina</i> )
E	Pikeminnow (=squawfish), Colorado ( <i>Ptychocheilus lucius</i> )
T	Plover, western snowy ( <i>Charadrius alexandrinus nivosus</i> )
E	Pupfish, desert ( <i>Cyprinodon macularius</i> )
E	Pupfish, Owens ( <i>Cyprinodon radiosus</i> )
E	Rabbit, riparian brush ( <i>Sylvilagus bachmani riparius</i> )
E	Rail, California clapper ( <i>Rallus longirostris obsoletus</i> )
E	Rail, light-footed clapper ( <i>Rallus longirostris levipes</i> )
E	Rail, Yuma clapper ( <i>Rallus longirostris yumanensis</i> )



<u>Status</u>	<u>Species/Listing Name</u>
E	Salamander, California tiger [Santa Barbara County DPS] ( <i>Ambystoma californiense</i> )
E	Salamander, California tiger [Sonoma County DPS] ( <i>Ambystoma californiense</i> )
T	Salamander, California tiger [Central California DPS] ( <i>Ambystoma californiense</i> )
E	Salamander, desert slender ( <i>Batrachoseps aridus</i> )
E	Salamander, Santa Cruz long-toed ( <i>Ambystoma macrodactylum croceum</i> )
T	Sea turtle, green ( <i>Chelonia mydas</i> )
E	Sea turtle, leatherback ( <i>Dermochelys coriacea</i> )
T	Sea turtle, olive ridley ( <i>Lepidochelys olivacea</i> )
E	Sheep, Peninsular bighorn ( <i>Ovis canadensis nelsoni</i> )
E	Sheep, Sierra Nevada bighorn ( <i>Ovis canadensis sierrae</i> )
E	Shrew, Buena Vista Lake ornate ( <i>Sorex ornatus relictus</i> )
E	Shrike, San Clemente loggerhead ( <i>Lanius ludovicianus mearnsi</i> )
E	Shrimp, California freshwater ( <i>Syncaris pacifica</i> )
E	Skipper, Carson wandering ( <i>Pseudocopaeodes eunus obscurus</i> )
E	Skipper, Laguna Mountains ( <i>Pyrgus ruralis lagunae</i> )
T	Smelt, delta ( <i>Hypomesus transpacificus</i> )
E	Snail, Morro shoulderband (=Banded dune) ( <i>Helminthoglypta walkeriana</i> )
T	Snake, giant garter ( <i>Thamnophis gigas</i> )
E	Snake, San Francisco garter ( <i>Thamnophis sirtalis tetrataenia</i> )
T	Sparrow, San Clemente sage ( <i>Amphispiza belli clementeae</i> )
E	Stickleback, unarmored threespine ( <i>Gasterosteus aculeatus williamsoni</i> )
E	Sucker, Lost River ( <i>Deltistes luxatus</i> )
E	Sucker, Modoc ( <i>Catostomus microps</i> )
E	Sucker, razorback ( <i>Xyrauchen texanus</i> )
T	Sucker, Santa Ana ( <i>Catostomus santaanae</i> )
E	Sucker, shortnose ( <i>Chasmistes brevirostris</i> )
E	Tadpole shrimp, vernal pool ( <i>Lepidurus packardii</i> )
E	Tern, California least ( <i>Sterna antillarum browni</i> )
E	Tiger beetle, Ohlone ( <i>Cicindela ohlone</i> )
E	Toad, arroyo (=arroyo southwestern) ( <i>Anaxyrus californicus</i> )
T	Toad, Yosemite ( <i>Anaxyrus canorus</i> )
T	Tortoise, desert ( <i>Gopherus agassizii</i> )
T	Towhee, Inyo California ( <i>Pipilo crissalis eremophilus</i> )
T	Trout, Lahontan cutthroat ( <i>Oncorhynchus clarkii henshawi</i> )
T	Trout, Little Kern golden ( <i>Oncorhynchus aguabonita whitei</i> )
T	Trout, Paiute cutthroat ( <i>Oncorhynchus clarkii seleniris</i> )

Status

Species/Listing Name

- E Tui chub, Mohave (*Gila bicolor ssp. mohavensis*)
- E tui chub, Owens (*Gila bicolor ssp. snyderi*)
- E Vireo, least Bell's (*Vireo bellii pusillus*)
- E Vole, Amargosa (*Microtus californicus scirpensis*)
- T Whipsnake (=striped racer), Alameda (*Masticophis lateralis euryxanthus*)
- E Wolf, gray (*Canis lupus*)
- E Woodrat, riparian (=San Joaquin Valley) (*Neotoma fuscipes riparia*)

## Plants

<u>Status</u>	<u>Species/Listing Name</u>
E	Allocarya, Calistoga ( <i>Plagiobothrys strictus</i> )
E	Alopecurus, Sonoma ( <i>Alopecurus aequalis</i> var. <i>sonomensis</i> )
E	Ambrosia, San Diego ( <i>Ambrosia pumila</i> )
T	Amole, purple ( <i>Chlorogalum purpureum</i> )
T	Baccharis, Encinitas ( <i>Baccharis vanessae</i> )
E	Barberry, island ( <i>Berberis pinnata</i> ssp. <i>insularis</i> )
E	Barberry, Nevin's ( <i>Berberis nevinii</i> )
E	Bedstraw, El Dorado ( <i>Galium californicum</i> ssp. <i>sierrae</i> )
E	Bedstraw, island ( <i>Galium buxifolium</i> )
E	Bird's beak, palmate-bracted ( <i>Cordylanthus palmatus</i> )
E	Bird's-beak, Pennell's ( <i>Cordylanthus tenuis</i> ssp. <i>capillaris</i> )
E	Bird's-beak, salt marsh ( <i>Cordylanthus maritimus</i> ssp. <i>maritimus</i> )
E	Bird's-beak, soft ( <i>Cordylanthus mollis</i> ssp. <i>mollis</i> )
E	Bladderpod, San Bernardino Mountains ( <i>Lesquerella kingii</i> ssp. <i>bernardina</i> )
T	Bluecurls, Hidden Lake ( <i>Trichostema austromontanum</i> ssp. <i>compactum</i> )
E	Bluegrass, Napa ( <i>Poa napensis</i> )
E	Bluegrass, San Bernardino ( <i>Poa atropurpurea</i> )
T	Brodiaea, Chinese Camp ( <i>Brodiaea pallida</i> )
T	Brodiaea, thread-leaved ( <i>Brodiaea filifolia</i> )
E	Buckwheat, cushenbury ( <i>Eriogonum ovalifolium</i> var. <i>vineum</i> )
E	Buckwheat, Ione ( <i>Eriogonum apricum</i> (incl. var. <i>prostratum</i> ))
E	Bush-mallow, San Clemente Island ( <i>Malacothamnus clementinus</i> )
E	Bush-mallow, Santa Cruz Island ( <i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i> )
T	Butterweed, Layne's ( <i>Senecio layneae</i> )
E	Button-celery, San Diego ( <i>Eryngium aristulatum</i> var. <i>parishii</i> )
E	Cactus, Bakersfield ( <i>Opuntia treleasei</i> )
E	Ceanothus, coyote ( <i>Ceanothus ferrisae</i> )
E	Ceanothus, Pine Hill ( <i>Ceanothus roderickii</i> )
T	Ceanothus, Vail Lake ( <i>Ceanothus ophiochilus</i> )
T	Centaury, spring-loving ( <i>Centaurium namophilum</i> )
E	Checker-mallow, Keck's ( <i>Sidalcea keckii</i> )
E	Checker-mallow, Kenwood Marsh ( <i>Sidalcea oregana</i> ssp. <i>valida</i> )
E	Checker-mallow, pedate ( <i>Sidalcea pedata</i> )
E	Clarkia, Pismo ( <i>Clarkia speciosa</i> ssp. <i>immaculata</i> )
E	Clarkia, Presidio ( <i>Clarkia franciscana</i> )

<u>Status</u>	<u>Species/Listing Name</u>
T	Clarkia, Springville ( <i>Clarkia springvillensis</i> )
E	Clarkia, Vine Hill ( <i>Clarkia imbricata</i> )
E	Clover, Monterey ( <i>Trifolium trichocalyx</i> )
E	Clover, showy Indian ( <i>Trifolium amoenum</i> )
T	Crownbeard, big-leaved ( <i>Verbesina dissita</i> )
E	Crownscale, San Jacinto Valley ( <i>Atriplex coronata</i> var. <i>notatior</i> )
T	Cypress, Gowen ( <i>Cupressus goveniana</i> ssp. <i>goveniana</i> )
E	Cypress, Santa Cruz ( <i>Cupressus abramsiana</i> )
T	Daisy, Parish's ( <i>Erigeron parishii</i> )
T	Dudleya, Conejo ( <i>Dudleya abramsii</i> ssp. <i>parva</i> )
T	Dudleya, marcescent ( <i>Dudleya cymosa</i> ssp. <i>marcescens</i> )
E	Dudleya, Santa Clara Valley ( <i>Dudleya setchellii</i> )
T	Dudleya, Santa Cruz Island ( <i>Dudleya nesiotica</i> )
T	Dudleya, Verity's ( <i>Dudleya verityi</i> )
T	Dudleyea, Santa Monica Mountains ( <i>Dudleya cymosa</i> ssp. <i>ovatifolia</i> )
T	Dwarf-flax, Marin ( <i>Hesperolinon congestum</i> )
E	Evening-primrose, Antioch Dunes ( <i>Oenothera deltoides</i> ssp. <i>howellii</i> )
E	Evening-primrose, Eureka Valley ( <i>Oenothera avita</i> ssp. <i>eurekensis</i> )
T	Evening-primrose, San Benito ( <i>Camissonia benitensis</i> )
E	Fiddleneck, large-flowered ( <i>Amsinckia grandiflora</i> )
E	Flannelbush, Mexican ( <i>Fremontodendron mexicanum</i> )
E	Flannelbush, Pine Hill ( <i>Fremontodendron californicum</i> ssp. <i>decumbens</i> )
E	Fringepod, Santa Cruz Island ( <i>Thysanocarpus conchuliferus</i> )
E	Fritillary, Gentner's ( <i>Fritillaria gentneri</i> )
E	Gilia, Hoffmann's slender-flowered ( <i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i> )
E	Gilia, Monterey ( <i>Gilia tenuiflora</i> ssp. <i>arenaria</i> )
E	Goldfields, Burke's ( <i>Lasthenia burkei</i> )
E	Goldfields, Contra Costa ( <i>Lasthenia conjugens</i> )
T	Grass, Colusa ( <i>Neostapfia colusana</i> )
E	Grass, Eureka Dune ( <i>Swallenia alexandrae</i> )
E	Grass, Solano ( <i>Tuctoria mucronata</i> )
T	Gumplant, Ash Meadows ( <i>Grindelia fraxinipratensis</i> )
T	Howellia, water ( <i>Howellia aquatilis</i> )
T	Indian paintbrush, San Clemente Island ( <i>Castilleja grisea</i> )
T	Ivesia, Webber ( <i>Ivesia webberi</i> )
E	Jewelflower, California ( <i>Caulanthus californicus</i> )
E	Jewelflower, Metcalf Canyon ( <i>Streptanthus albidus</i> ssp. <i>albidus</i> )

<u>Status</u>	<u>Species/Listing Name</u>
E	Jewelflower, Tiburon ( <i>Streptanthus niger</i> )
E	Larkspur, Baker's ( <i>Delphinium bakeri</i> )
E	Larkspur, San Clemente Island ( <i>Delphinium variegatum</i> ssp. <i>kinkiense</i> )
E	Larkspur, yellow ( <i>Delphinium luteum</i> )
E	Layia, beach ( <i>Layia carnosa</i> )
E	Lessingia, San Francisco ( <i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i> ))
E	Lily, Pitkin Marsh ( <i>Lilium pardalinum</i> ssp. <i>pitkinense</i> )
E	Lily, Western ( <i>Lilium occidentale</i> )
T	Liveforever, Laguna Beach ( <i>Dudleya stolonifera</i> )
E	Liveforever, Santa Barbara Island ( <i>Dudleya traskiae</i> )
T	Lotus, San Clemente Island ( <i>Acmispon dendroideus</i> var. <i>traskiae</i> (=Lotus d. ssp. <i>traskiae</i> ))
E	Lupine, clover ( <i>Lupinus tidestromii</i> )
E	Lupine, Nipomo Mesa ( <i>Lupinus nipomensis</i> )
E	Malacothrix, island ( <i>Malacothrix squalida</i> )
E	Malacothrix, Santa Cruz Island ( <i>Malacothrix indecora</i> )
E	Mallow, Kern ( <i>Eremalche kernensis</i> )
E	Manzanita, Del Mar ( <i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> )
T	Manzanita, Ione ( <i>Arctostaphylos myrtifolia</i> )
T	Manzanita, Morro ( <i>Arctostaphylos morroensis</i> )
T	Manzanita, pallid ( <i>Arctostaphylos pallida</i> )
E	Manzanita, Presidio ( <i>Arctostaphylos hookeri</i> var. <i>ravenii</i> )
E	Manzanita, San Francisco ( <i>Arctostaphylos franciscana</i> )
E	Manzanita, Santa Rosa Island ( <i>Arctostaphylos confertiflora</i> )
T	Mariposa lily, Tiburon ( <i>Calochortus tiburonensis</i> )
E	Meadowfoam, Butte County ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> )
E	Meadowfoam, Sebastopol ( <i>Limnanthes vinculans</i> )
E	Mesa-mint, Otay ( <i>Pogogyne nudiuscula</i> )
E	Mesa-mint, San Diego ( <i>Pogogyne abramsii</i> )
E	Milk-vetch, Braunton's ( <i>Astragalus brauntonii</i> )
E	Milk-vetch, Clara Hunt's ( <i>Astragalus clarianus</i> )
E	Milk-vetch, Coachella Valley ( <i>Astragalus lentiginosus</i> var. <i>coachellae</i> )
E	Milk-vetch, coastal dunes ( <i>Astragalus tener</i> var. <i>titi</i> )
E	Milk-vetch, Cushenbury ( <i>Astragalus albens</i> )
T	Milk-vetch, Fish Slough ( <i>Astragalus lentiginosus</i> var. <i>piscinensis</i> )
E	Milk-vetch, Lane Mountain ( <i>Astragalus jaegerianus</i> )
T	Milk-vetch, Peirson's ( <i>Astragalus magdalenae</i> var. <i>peirsonii</i> )



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E	Milk-vetch, triple-ribbed ( <i>Astragalus tricarinatus</i> )
E	Milk-vetch, Ventura Marsh ( <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> )
E	Monardella, willowy ( <i>Monardella viminea</i> )
E	Monkeyflower, Vandenberg ( <i>Mimulus fremontii</i> var. <i>vandenbergensis</i> )
E	Morning-glory, Stebbins' ( <i>Calystegia stebbinsii</i> )
E	Mountain balm, Indian Knob ( <i>Eriodictyon altissimum</i> )
E	Mountain-mahogany, Catalina Island ( <i>Cercocarpus traskiae</i> )
E	Mustard, slender-petaled ( <i>Thelypodium stenopetalum</i> )
E	Navarretia, few-flowered ( <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i> ))
E	Navarretia, many-flowered ( <i>Navarretia leucocephala</i> ssp. <i>plieantha</i> )
T	Navarretia, spreading ( <i>Navarretia fossalis</i> )
E	Niterwort, Amargosa ( <i>Nitrophila mohavensis</i> )
E	Onion, Munz's ( <i>Allium munzii</i> )
E	Orcutt grass, California ( <i>Orcuttia californica</i> )
E	Orcutt grass, hairy ( <i>Orcuttia pilosa</i> )
E	Orcutt grass, Sacramento ( <i>Orcuttia viscida</i> )
T	Orcutt grass, San Joaquin ( <i>Orcuttia inaequalis</i> )
T	Orcutt grass, slender ( <i>Orcuttia tenuis</i> )
T	Owl's-clover, fleshy ( <i>Castilleja campestris</i> ssp. <i>succulenta</i> )
E	Oxytheca, cushenbury ( <i>Oxytheca parishii</i> var. <i>goodmaniana</i> )
T	Paintbrush, ash-grey ( <i>Castilleja cinerea</i> )
E	Paintbrush, soft-leaved ( <i>Castilleja mollis</i> )
E	Paintbrush, Tiburon ( <i>Castilleja affinis</i> ssp. <i>neglecta</i> )
E	Penny-cress, Kneeland Prairie ( <i>Thlaspi californicum</i> )
E	Pentachaeta, Lyon's ( <i>Pentachaeta lyonii</i> )
E	Pentachaeta, white-rayed ( <i>Pentachaeta bellidiflora</i> )
E	Phacelia, island ( <i>Phacelia insularis</i> ssp. <i>insularis</i> )
E	Phlox, Yreka ( <i>Phlox hirsuta</i> )
E	Piperia, Yadon's ( <i>Piperia yadonii</i> )
E	Polygonum, Scotts Valley ( <i>Polygonum hickmanii</i> )
E	Potentilla, Hickman's ( <i>Potentilla hickmanii</i> )
T	Pussypaws, Mariposa ( <i>Calyptridium pulchellum</i> )
E	Rock-cress, Hoffmann's ( <i>Arabis hoffmannii</i> )
E	Rock-cress, McDonald's ( <i>Arabis macdonaldiana</i> )
E	Rockcress, Santa Cruz Island ( <i>Sibara filifolia</i> )
T	Rush-rose, island ( <i>Helianthemum Greenei</i> )
T	Sandwort, Bear Valley ( <i>Arenaria ursina</i> )

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E	Sandwort, Marsh ( <i>Arenaria paludicola</i> )
E	Seablite, California ( <i>Suaeda californica</i> )
E	Sedge, white ( <i>Carex albida</i> )
E	Spineflower, Ben Lomond ( <i>Chorizanthe pungens</i> var. <i>hartwegiana</i> )
E	Spineflower, Howell's ( <i>Chorizanthe howellii</i> )
T	Spineflower, Monterey ( <i>Chorizanthe pungens</i> var. <i>pungens</i> )
E	Spineflower, Orcutt's ( <i>Chorizanthe orcuttiana</i> )
E	spineflower, Robust ( <i>Chorizanthe robusta</i> var. <i>robusta</i> )
E	spineflower, Scotts Valley ( <i>Chorizanthe robusta</i> var. <i>hartwegii</i> )
E	Spineflower, slender-horned ( <i>Dodecahema leptoceras</i> )
E	Spineflower, Sonoma ( <i>Chorizanthe valida</i> )
T	Spurge, Hoover's ( <i>Chamaesyce hooveri</i> )
E	Stonecrop, Lake County ( <i>Parvisedum leiocarpum</i> )
E	Sunburst, Hartweg's golden ( <i>Pseudobahia bahiifolia</i> )
T	Sunburst, San Joaquin adobe ( <i>Pseudobahia peirsonii</i> )
E	Sunflower, San Mateo woolly ( <i>Eriophyllum latilobum</i> )
E	Sunshine, Sonoma ( <i>Blennosperma bakeri</i> )
E	Taraxacum, California ( <i>Taraxacum californicum</i> )
E	Tarplant, Gaviota ( <i>Deinandra increscens</i> ssp. <i>villosa</i> )
T	Tarplant, Otay ( <i>Deinandra</i> (= <i>Hemizonia</i> ) <i>conjugens</i> )
T	Tarplant, Santa Cruz ( <i>Holocarpha macradenia</i> )
E	Thistle, Chorro Creek bog ( <i>Cirsium fontinale</i> var. <i>obispoense</i> )
E	Thistle, fountain ( <i>Cirsium fontinale</i> var. <i>fontinale</i> )
E	Thistle, La Graciosa ( <i>Cirsium loncholepis</i> )
E	Thistle, Loch Lomond coyote ( <i>Eryngium constancei</i> )
E	Thistle, Suisun ( <i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> )
T	Thornmint, San Diego ( <i>Acanthomintha ilicifolia</i> )
E	Thornmint, San Mateo ( <i>Acanthomintha obovata</i> ssp. <i>duttonii</i> )
E	Tuctoria, Greene's ( <i>Tuctoria greenei</i> )
T	Vervain, Red Hills ( <i>Verbena californica</i> )
E	Wallflower, Ben Lomond ( <i>Erysimum teretifolium</i> )
E	Wallflower, Contra Costa ( <i>Erysimum capitatum</i> var. <i>angustatum</i> )
E	Wallflower, Menzies' ( <i>Erysimum menziesii</i> )
E	Watercress, Gambel's ( <i>Rorippa gambellii</i> )
T	Wild-buckwheat, southern mountain ( <i>Eriogonum kennedyi</i> var. <i>austromontanum</i> )
E	Woodland-star, San Clemente Island ( <i>Lithophragma maximum</i> )
E	Woolly-star, Santa Ana River ( <i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> )

**Status**

**Species/Listing Name**

- E Woolly-threads, San Joaquin (*Monolopia (=Lembertia) congdonii*)  
E Yerba santa, Lompoc (*Eriodictyon capitatum*)

Legend:

DPS = Distinct Population Segment

E = Endangered

T = Threatened

the 60-day notification period, or reverse the conclusion of the Regional Director and revoke the notice of termination. All Federal funds which have been obligated to but not expended by the CDFW as of the date of the termination notice shall be retained by the USFWS for reallocation pursuant to Section 6(d) of the ESA, unless: (1) those funds are specifically approved by the Regional Director for expenditure before the date of actual termination; or (2) the notice of termination is revoked by the Director, USFWS.

March 13, 2015

Date

CML

Director

California Department of Fish and Wildlife

March 16<sup>th</sup>, 2015

Date

[Signature]

Regional Director

U.S. Fish and Wildlife Service

