

State of California
Department of Fish and Wildlife
Final Statement of Reasons for Regulatory Action
Amend sections 650 and 703
Title 14, California Code of Regulations
Re: Scientific Collection Permits and Forms

**California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List
(TVPICP List)**

I. Dates of Statements of Reasons

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|----------------------------------|------------------------|
| (a) Initial Statement of Reasons | Date: July 16, 2024 |
| (b) Final Statement of Reasons | Date: October 14, 2024 |

II. Dates and Locations of Scheduled Hearing

- A public hearing pursuant to Government Code section 11346.8 was held as follows:
- October 1, 2024, Tuesday, 11:00 a.m. – 12:00 p.m.
- Format: Virtual Hearing via Zoom link and access information posted to <https://wildlife.ca.gov/Notices/Regulations/SCP-Invertebrates>

III. Update

Following the completion of the Public Hearing on October 1, 2024, the California Department of Fish and Wildlife (Department) adopted the amendments of sections 650 and 703, Scientific Collecting Permits and Forms, Title 14, California Code of Regulations (CCR), on October 14, 2024.

A non-substantive update was made to the proposed regulatory text after the notice period under subsection 650(a)(9) where the “California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List” document is incorporated by reference to correct the revision date from January 1, 2024 to January 2, 2024 (the next business day). This update was needed for consistency in the date the form was revised.

The following forms were adopted with minor changes, but remain incorporated by reference because it would be cumbersome, unduly expensive, or otherwise impractical to publish these document in the California Code of Regulations (Title 1, Section 20, CCR):

- California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (dated January 2024),
- Scientific Collecting Permit, General Use -- Application (form DFW 1379GW, Rev 01/2024),
- Scientific Collecting Permit, Specific Use -- Application (form DFW 1379S, Rev 01/2024),
- Scientific Collecting Permit, General Use -- Amendment: Terrestrial Wildlife (form DFW 1379 GWA, Rev 01/2024), and
- Scientific Collecting Permit, Specific Use -- Amendment (form DFW 1379SA, Rev 01/2024).

There have been no changes in applicable laws or to the effect of the proposed regulations from the laws and effects described in the Notice of Proposed Action.

IV. Summary of Primary Considerations Raised in Support of or Opposition to the Proposed Actions and Reasons for Rejecting Those Considerations.

- Appendix A, attached, contains all of the email communications and letters received with the specific objections or recommendations indicated by numbering.
- Appendix B, attached, Transcript of the public hearing (teleconference) and oral comments.
- Appendix C, attached, summary of the public's specific objections or recommendations made in writing or orally regarding the amendment to Section 650 with the Department's response to those comments.

V. Description of Reasonable Alternatives to Regulatory Action

(a) Alternatives to Regulation Change

No alternatives to the proposed regulatory change were identified or brought to the attention of Department staff that would have the same desired regulatory effect.

(b) No Change Alternative

The no change alternative would fail to provide oversight of the take of some of California's most vulnerable terrestrial and vernal pool invertebrates that are listed in the Terrestrial and Vernal Pool Invertebrates of Conservation Priority List.

(c) Consideration of Alternatives:

In view of information currently possessed, no reasonable alternative considered would be more effective in carrying out the purpose for which the regulation is proposed, would be as effective and less burdensome to affected private persons than the proposed regulation, or would be more cost effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.

VI. Impact of Regulatory Action

The potential for significant statewide adverse economic impacts that might result from the proposed regulatory action has been assessed, and the following initial determinations relative to the required statutory categories have been made:

- (a) Significant Statewide Adverse Economic Impact Directly Affecting Businesses, Including the Ability of California Businesses to Compete with Businesses in Other States. None.
- (b) Impact on the Creation or Elimination of Jobs Within the State, the Creation of New Businesses or the Elimination of Existing Businesses, or the Expansion of Businesses in California; Benefits of the Regulation to the Health and Welfare of California Residents, Worker Safety and the State's Environment. None.
- (c) Cost Impacts on a Representative Private Person or Business. None.
- (d) Costs or Savings to State Agencies or Costs/Savings in Federal Funding to the State. None.

- (e) Nondiscretionary Costs/Savings to Local Agencies. None.
- (f) Programs Mandated on Local Agencies or School Districts. None.
- (g) Costs Imposed on Any Local Agency or School District that is Required to be Reimbursed Under Part 7 (commencing with Section 17500) of Division 4, Government Code. None.
- (h) Effect on Housing Costs. None.

Updated Informative Digest/Policy Statement Overview

In accordance with Section 650, Title 14, CCR, the Department of Fish and Wildlife (Department) currently requires a Scientific Collecting Permit (SCP) for scientific, educational, and propagation related activities that involve terrestrial and vernal pool invertebrates that are listed on the *California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List* (“*TVPICP List*”, dated June 12, 2017) **and that are not designated as threatened, endangered, candidate, or fully protected species under California law.** The proposed amendments to Section 650 update the species specified on the list, removing species that no longer meet the criteria for inclusion and adding species that do meet the criteria. In total, 47 species will be removed and 9 added to the **2024** TVPICP List.

The purpose of this proposed regulatory change is to provide applicants for SCPs **an up-to-date list of at-risk terrestrial invertebrates in California an updated list incorporated by reference into sections 650 and 703 with appropriately tailored oversight of the take for scientific, educational, or propagation purposes of California's most vulnerable terrestrial and vernal pool invertebrates.** The criteria to develop the list remain unchanged, they still relate to the species’ NatureServe rankings as well as their Federal endangered, threatened, or candidate status. When the regulation was **first adopted** amended in 2018, the Department determined that the at-risk animals on the *TVPICP List* **are should be** subject to limited take for scientific research, education, or propagation and an SCP is required for any of these activities involving ~~listed~~ species **on the TVPICP List that are not designated as threatened, endangered, candidate, or fully protected species under California law.** This regulation change updates the *TVPICP List* (dated January 2, 2024) **incorporated by reference in Sections 650 and 703.**

Regulatory Proposal

- A new subsection 650(a)(8) clarifies that SCP regulations do not apply to the take of any **species designated as** threatened, endangered, candidate, or fully protected species **under California law.** The Department will not issue an SCP for any of these ~~listed~~ species.
- A new subsection 650(a)(9) updates the document “*Table 1 - California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (TVPICP List)*”, incorporated by reference, with a revision date of January 2, 2024.
- Changes throughout Section 650 and Section 703 updating the revision dates of the *TVPICP List* and of forms related to SCPs.
- Subsection 650(i)(1)(D) clarifies that the Department “may” issue a General Permit for incidental take of species on the *TVPICP List* **that are not designated as threatened, endangered, candidate, or fully protected species under California law.**
- Other minor grammatical changes are made in Section 650 to clarify the regulatory text.
- Section 703 is amended so that the SCP application and amendment forms (DFW 1379GW, DFW 1379GWA, DFW 1374S and DFW 1379SA), incorporated by reference in section 703, **would also be** **are** updated to reference the new **2024** *TVPIVP List*.

These changes ensure the Department uses the most up-to-date science to protect vulnerable terrestrial invertebrate populations while ensuring that researchers do not have to apply for SCPs for non-sensitive species whose risk status is no longer considered imperiled at the state

level or that were either not federally listed or were downlisted. The change will help enhance the Department's ability to conserve California's terrestrial and vernal pool invertebrates, which perform essential functions like nutrient cycling and pollination, as well as form the basis for food webs for other terrestrial and aquatic wildlife.

Benefits of the Proposed Regulations

The purpose of an SCP is to protect wildlife resources that may be substantially adversely affected by research, education, or propagation related activities. By adding species that have been identified by NatureServe as more imperiled or that are listed under the federal Endangered Species Act, the list will better encompass at-risk invertebrates in the state. By removing species no longer considered at high risk, this change reduces the burden on researchers, educators, and others working on these species such that they may no longer need an SCP for their work.

Consistency and Compatibility with Existing Regulations

The Legislature has given the Department authority to issue SCPs for the take or possession of any plant or animal life, for scientific, educational, or propagation purposes, by an appropriate public, private, or nonprofit entity, or a person (Fish and Game code sections 1002 and 1002.5). Department staff have conducted a review of the California Code of Regulations and have not identified any other State regulations that are inconsistent with the Department's authority to permit the take of wildlife for the above purposes, in any part of the State. Other State entities may require permission to take wildlife under their respective authorities. However, receiving permission from those State entities does not preclude the need for a Department issued SCP, nor would the Department's permitting program conflict with other state entities managing the take of wildlife under their respective authorities. The Department has reviewed its existing regulations in Title 14 of the California Code of Regulations and finds that the proposed regulation is neither inconsistent nor incompatible with the existing regulations in Title 14.

Update

There have been no changes in applicable laws or to the effect of the proposed regulations from the laws and effects described in the Notice of Proposed Action.

A non-substantive update was made to the proposed regulatory text after the notice period under subsection 650(a)(9) where the "California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List" document is incorporated by reference to correct the revision date from January 1, 2024 to January 2, 2024 (the next business day). This update was needed for consistency in the date the form was revised.

The Department adopted the amendments of sections 650 and 703, Scientific Collecting Permits and Forms, Title 14, CCR, on October 14, 2024.

ATTACHMENT B

California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (*TVPICP List*)

California Department of Fish and Wildlife
Wildlife Diversity Program, Wildlife Branch
Revised January 2, 2024

List Purpose

This California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (TVPICP List; Table 1) was developed to identify California terrestrial and vernal pool invertebrates of conservation priority. This TVPICP List does not give any species included on the TVPICP List any formal legal status. This TVPICP List uses the definition of "terrestrial and vernal pool invertebrates" set out in California Code of Regulations, title 14, section 650, subdivision (b)(26)(E)(1): "invertebrates that occur on land above mean high tide of marine waters, including aquatic insects in the aerial life stage and those aquatic invertebrates that occur only in vernal pools or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish."

Criteria for Inclusion on TVPICP List

The species on the TVPICP List are terrestrial or vernal pool invertebrates that satisfy at least one of the following criteria: (1) is designated as threatened, endangered, or candidate species under the federal Endangered Species Act (ESA); (2) is designated as threatened, endangered, or candidate species under the California Endangered Species Act (CESA); or (3) has a state NatureServe rank of S1, S1S2, SH, or SX. Global NatureServe ranks were not included as a factor in list development because the TVPICP List only includes California species. This TVPICP List was developed by querying the California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (CNDDDB) on January 2, 2024. The CNDDDB is an inventory of the status and locations of rare plants and animals in California.

NatureServe Element Rankings

The CNDDDB is a member of the NatureServe Network of natural heritage programs and uses the same conservation status ranking methodology as other network programs. The ranking system was originally developed by The Nature Conservancy and is now maintained by NatureServe. It includes a Global rank (G-rank) which describes the status for a given taxon over its entire distribution, and a state rank (S-rank) which describes the status for the taxon over its distribution within a given state. Procedurally, state programs such as the CNDDDB develop the state ranks. Because the units of conservation may include non-taxonomic biological entities such as populations or ecological communities, NatureServe and CNDDDB refer to the targets of biological conservation as "elements" rather than taxa. The criteria used to assign state element ranks are described below. CNDDDB does not track all invertebrate species that occur in California, but instead focuses on a subset of species which can be found on CDFW's [Special Animals List](https://wildlife.ca.gov/Data/CNDDDB/Plants-and-Animals) (<https://wildlife.ca.gov/Data/CNDDDB/Plants-and-Animals>).

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.

An element’s ranking status may be adjusted up or down depending upon the considerations above.

[NatureServe detailed information on element ranking methodology](https://www.natureserve.org/conservation-status-assessment)

(<https://www.natureserve.org/conservation-status-assessment>).

State Ranking

S-ranks refers to a species’ imperilment status within a given state’s boundaries, in this case, California:

- **SX: Presumed Extirpated*** – Species 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.

* Species with this ranking are included on the TVPICP List.

Uncertainty about the status of an element is expressed as a range of values. For example, S1S1 indicates the rank is somewhere between S1 and S2. While no species on the TVPICP List have a “?” in their S-rank, NatureServe adds question marks to S-ranks to represent uncertainty. For example, S2? Indicates the ranking fits closer to S2 than S2S3 but is still uncertain.

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.

S-ranks for each species on the TVPICP List can be found in the “S-rank” column.

California Endangered Species Act Listing Status

The CESA listing status of each species can be found in the “CalList” column of the TVPICP List. If the cell has a dash “—”, the species has not been listed as threatened or endangered under CESA nor is it a candidate under CESA. The CESA listing status of each species on this TVPICP List is current as of the date of this TVPICP List. A 2081(a) Memorandum of Understanding is required for CESA candidate species or species listed as threatened or endangered. A “T” after the state status denotes whether an MOU is required at the time of list publication.

Federal Endangered Species Act Listing Status

The federal ESA listing status of each species can be found in the “FedList” column of the TVPICP List. If the cell dash “—”, the species has not been listed as threatened or endangered under the federal ESA nor is it a candidate for listing under the federal ESA. The federal ESA listing status of each species on this TVPICP List is current as of the date of this TVPICP List.

Taxonomic Standards

This TVPICP List, consistent with CNDDDB, follows [current published taxonomy for invertebrates as recognized by NatureServe](#)

(https://help.natureserve.org/biotics/content/record_management/Element_Files/Element_Tracking/ET_RACK_Invertebrate_References.htm).

The “Author, Date” column contains information from the [Integrated Taxonomic Information System](#) (ITIS; <https://www.itis.gov/>). If a scientific name changes after the publication date of this TVPICP List but before CDFW has issued an updated version of the list, searching the author and year in ITIS can assist in finding previously accepted names.

Table 1. California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
ARACHNIDA (spiders and their relatives)					
<i>Aphrastochthonius grubbsi</i>	Grubbs' Cave pseudoscorpion	Muchmore, 1984	—	—	S1
<i>Aphrastochthonius similis</i>	Carlow's Cave pseudoscorpion	Muchmore, 1984	—	—	S1
<i>Banksula californica</i>	Alabaster Cave harvestman	Banks, 1900	—	—	SH
<i>Banksula galilei</i>	Galile's cave harvestman	Briggs, 1974	—	—	S1
<i>Banksula grubbsi</i>	Grubbs' cave harvestman	Briggs and Ubick, 1981	—	—	S1
<i>Banksula incredula</i>	incredible harvestman	Ubick and Briggs, 2002	—	—	S1
<i>Banksula martinorum</i>	Martins' cave harvestman	Briggs and Ubick, 1981	—	—	S1
<i>Banksula melones</i>	Melones Cave harvestman	Briggs, 1974	—	—	S1
<i>Banksula rudolphi</i>	Rudolph's cave harvestman	Briggs and Ubick, 1981	—	—	S1
<i>Banksula tuolumne</i>	Tuolumne cave harvestman	Briggs, 1974	—	—	S1
<i>Banksula tutankhamen</i>	King Tut Cave harvestman	Ubick and Briggs, 2002	—	—	S1
<i>Calicina arida</i>	San Benito harvestman	Ubick and Briggs, 1989	—	—	S1
<i>Calicina breva</i>	Stanislaus harvestman	Briggs, 1968	—	—	S1
<i>Calicina cloughensis</i>	Clough Cave harvestman	Briggs and Hom, 1967	—	—	S1
<i>Calicina conifera</i>	Crane Flat harvestman	Ubick and Briggs, 1989	—	—	S1
<i>Calicina diminua</i>	Marin blind harvestman	Ubick and Briggs, 1989	—	—	S1
<i>Calicina dimorphica</i>	Watts Valley harvestman	Ubick and Briggs, 1989	—	—	S1
<i>Calicina macula</i>	marbled harvestman	Briggs, 1968	—	—	S1
<i>Calicina mesaensis</i>	Table Mountain harvestman	Ubick and Briggs, 1989	—	—	S1
<i>Calicina minor</i>	Edgewood blind harvestman	Briggs and Hom, 1966	—	—	S1
<i>Calicina piedra</i>	Piedra harvestman	Briggs, 1968	—	—	S1
<i>Calileptoneta briggsi</i>	Briggs' leptonetid spider	Ledford, 2004	—	—	S1
<i>Calileptoneta oasa</i>	Andreas Canyon leptonetid spider	Gertsch, 1974	—	—	S1
<i>Calileptoneta ubicki</i>	Ubick's leptonetid spider	Ledford, 2004	—	—	S1
<i>Calileptoneta wapiti</i>	Mendocino leptonetid spider	Gertsch, 1974	—	—	S1

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Fissilicreagris imperialis</i>	Empire Cave pseudoscorpion	Muchmore, 1969	—	—	S1
<i>Hubbardia idria</i>	Idria short-tailed whipscorpion	Reddell and Cokendolpher, 1991	—	—	S1
<i>Hubbardia secoensis</i>	Arroyo Seco short-tailed whipscorpion	Briggs and Hom, 1988	—	—	S1
<i>Hubbardia shoshonensis</i>	Shoshone Cave whipscorpion	Briggs and Hom, 1972	—	—	S1
<i>Larca aalbui</i>	Aalbu's Cave pseudoscorpion	Muchmore, 1984	—	—	S1
<i>Larca laceyi</i>	Lacey's Cave pseudoscorpion	Muchmore, 1981	—	—	S1
<i>Microcina edgewoodensis</i>	Edgewood Park micro-blind harvestman	Briggs and Ubick, 1989	—	—	S1
<i>Microcina jungi</i>	Jung's micro-blind harvestman	Briggs and Ubick, 1989	—	—	S1
<i>Microcina leei</i>	Lee's micro-blind harvestman	Briggs and Ubick, 1989	—	—	S1
<i>Microcina lumi</i>	Lum's micro-blind harvestman	Briggs and Ubick, 1989	—	—	S1
<i>Neochthonius imperialis</i>	Empire Cave pseudoscorpion	Muchmore, 1996	—	—	S1
<i>Pseudogarypus orpheus</i>	Music Hall Cave pseudoscorpion	Muchmore, 1981	—	—	S1
<i>Socalchemmis gertschi</i>	Gertsch's socialchemmis spider	Platnick and Ubick, 2001	—	—	S1
<i>Socalchemmis icenoglei</i>	Icenogle's socialchemmis spider	Platnick and Ubick, 2001	—	—	S1
<i>Socalchemmis monterey</i>	Monterey socialchemmis spider	Platnick and Ubick, 2001	—	—	S1
<i>Talanites ubicki</i>	Ubick's gnaphosid spider	Platnick and Ovtsharenko, 1991	—	—	S1
<i>Texella deserticola</i>	Whitewater Canyon harvestman	Ubick and Briggs, 1992	—	—	S1
<i>Texella kokoweef</i>	Kokoweef Crystal Cave harvestman	Ubick and Briggs, 1992	—	—	S1
<i>Texella shoshone</i>	Shoshone Cave harvestman	Ubick and Briggs, 1992	—	—	S1
CRUSTACEANS, Order Anomopoda (water fleas)					
<i>Dumontia oregonensis</i>	hairy water flea	Santos-Flores and Dodson, 2003	—	—	S1
CRUSTACEANS, Order Anostraca (fairy shrimp)					
<i>Branchinecta campestris</i>	pocket pouch fairy shrimp	Lynch, 1960	—	—	S1
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered	—	S2
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered	—	S2
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Eng, Belk and Eriksen, 1990	Threatened	—	S3
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	Fugate, 1993	Endangered	—	S1

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Linderiella santarosae</i>	Santa Rosa Plateau fairy shrimp	Thiéry and Fugate, 1994	—	—	S1
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered	—	S2
CRUSTACEANS, Order Notostraca (tadpole shrimp)					
<i>Lepidurus packardi</i>	vernal pool tadpole shrimp	Simon, 1886	Endangered	—	S3
INSECTA, Order Coleoptera (beetles)					
<i>Aegialia concinna</i>	Ciervo aegilian scarab beetle	Gordon & Cartwright, 1977	—	—	S1
<i>Agrilus harenus</i>	Harenus jewel beetle	Nelson, 1994	—	—	S1
<i>Anomala carlsoni</i>	Carlson's dune beetle	Hardy, 1976	—	—	S1
<i>Anomala hardyorum</i>	Hardy's dune beetle	Potts, 1976	—	—	S1
<i>Cicindela hirticollis abrupta</i>	Sacramento Valley tiger beetle	Casey, 1913	—	—	SH
<i>Cicindela latesignata</i>	western beach tiger beetle	LeConte, 1851	—	—	S1
<i>Cicindela ohlone</i>	Ohlone tiger beetle	Freitag & Kavanaugh, 1993	Endangered	—	S1
<i>Cicindela senilis frosti</i>	senile tiger beetle	Varas-Arangua, 1928	—	—	S1
<i>Cicindela tranquebarica joaquinensis</i>	San Joaquin tiger beetle	Knisley and Haines, 2007	—	—	S1
<i>Cicindela tranquebarica viridissima</i>	greenest tiger beetle	Fall, 1910	—	—	S1
<i>Coelus globosus</i>	globose dune beetle	LeConte, 1851	—	—	S1S2
<i>Coelus gracilis</i>	San Joaquin dune beetle	Blaisdell, 1939	—	—	S1
<i>Coenonycha clementina</i>	San Clemente Island coenonycha beetle	Casey, 1909	—	—	S1S2
<i>Cyclocephala wandae</i>	Wandae dune beetle	Hardy, 1974	—	—	S1
<i>Deltaspis ivae</i>	marsh-elder long-horned beetle	Beierl and Barchet-Beierl, 1999	—	—	S1
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	Fisher, 1921	Threatened	—	S3
<i>Dinacoma caseyi</i>	Casey's June beetle	Blaisdell, 1930	Endangered	—	S1
<i>Elaphrus viridis</i>	Delta green ground beetle	Horn, 1878	Threatened	—	S1
<i>Habroscelimorpha gabbii</i>	western tidal-flat tiger beetle	Horn, 1866	—	—	S1
<i>Juniperella mirabilis</i>	juniper metallic wood-boring beetle	Knull, 1947	—	—	S1
<i>Lepismadora algodones</i>	Algodones sand jewel beetle	Velten and Bellamy, 1987	—	—	S1S2
<i>Lichnanthe albipilosa</i>	white sand bear scarab beetle	Carlson, 1980	—	—	S1
<i>Lytta insperata</i>	Mojave Desert blister beetle	Horn, 1874	—	—	S1S2
<i>Microcylloepus formicoideus</i>	Furnace Creek riffle beetle	Shepard, 1990	—	—	S1
<i>Nebria darlingtoni</i>	South Forks ground beetle	Kavanaugh, 1979	—	—	S1

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Nebria gebleri siskiyouensis</i>	Siskiyou ground beetle	Kavanaugh, 1979	—	—	S1S2
<i>Nebria sahlbergii triad</i>	Trinity Alps ground beetle	Kavanaugh, 1979	—	—	S1
<i>Onychobaris langei</i>	Lange's El Segundo Dune weevil	Van Dyke, 1951	—	—	S1
<i>Palaeoxenus dohrni</i>	Dohrn's elegant eucnemid beetle	Horn, 1878	—	—	S1S2
<i>Polyphylla barbata</i>	Mount Hermon (=barbate) June beetle	Cazier, 1938	Endangered	—	S2
<i>Polyphylla erratica</i>	Death Valley June beetle	Hardy and Andrews, 1978	—	—	S1S2
<i>Polyphylla morroensis</i>	Morro Bay June beetle	La Rue, 2016	—	—	S1
<i>Polyphylla nubila</i>	Atascadero June beetle	Van Dyke, 1947	—	—	S1
<i>Pseudocotalpa andrewsi</i>	Andrew's dune scarab beetle	Hardy, 1971	—	—	S1
<i>Trachykele hartmani</i>	serpentine cypress wood-boring beetle	Burke, 1920	—	—	S1
<i>Trichinorhipis knulli</i>	Knoll's metallic wood-boring beetle	Barr, 1948	—	—	S1
<i>Trigonoscuta brunnotesselata</i>	brown tassel trigonoscuta weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta dorothea dorothea</i>	Dorothy's El Segundo Dune weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta rothi algodones</i>	Algodones dune weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta rothi imperialis</i>	Imperial dune weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta rothi punctata</i>	Punctate dune weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta rothi rothi</i>	Roth's dune weevil	Pierce, 1975	—	—	S1
<i>Trigonoscuta stantoni</i>	Santa Cruz Island shore weevil	Sleeper, 1975	—	—	S1
INSECTA, Order Diptera (flies)					
<i>Apiocera warneri</i>	Glamis sand fly	Cazier, 1985	—	—	S1
<i>Brennania belkini</i>	Belkin's dune tabanid fly	Philip, 1966	—	—	S1S2
<i>Cophura hurdi</i>	Antioch cophuran robberfly	Hull, 1960	—	—	SX
<i>Efferia antiochi</i>	Antioch efferian robberfly	Wilcox, 1966	—	—	S1S2
<i>Metapogon hurdi</i>	Hurd's metapogon robberfly	Wilcox, 1964	—	—	S1S2
<i>Paracoenia calida</i>	Wilbur Springs shore fly	Mathis, 1975	—	—	S1
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	Cazier, 1941	Endangered	—	S1
<i>Rhaphiomidas terminatus terminatus</i>	El Segundo flower-loving fly	Cazier, 1941	—	—	S1
<i>Rhaphiomidas trochilus</i>	San Joaquin Valley giant flower-loving fly	Coquillett, 1892	—	—	S1
INSECTA, Order Hemiptera (true bugs)					
<i>Oravelia pege</i>	Dry Creek cliff strider bug	Drake and Chapman, 1963	—	—	S1
INSECTA, Order Hymenoptera (ants, bees, and wasps)					

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee	Thorp, 1969	—	—	S1
<i>Andrena subapasta</i>	An andrenid bee	Thorp, 1969	—	—	S1S2
<i>Bombus caliginosus</i>	obscure bumble bee	Frison, 1927	—	—	S1S2
<i>Bombus crotchii</i>	Crotch's bumble bee	Cresson, 1878	—	Candidate ^T	S2
<i>Bombus franklini</i>	Franklin's bumble bee	Frison, 1921	Endangered	Candidate ^T	SH
<i>Bombus morrisoni</i>	Morrison's bumble bee	Cresson, 1878	—	—	S1S2
<i>Bombus occidentalis</i>	western bumble bee	Greene, 1858	—	Candidate ^T	S1
<i>Bombus suckleyi</i>	Suckley's cuckoo bumble bee	Greene, 1860	—	Candidate ^T	S1
<i>Ceratochrysis bradleyi</i>	Bradley's cuckoo wasp	Bohart, 1982	—	—	S1
<i>Ceratochrysis gracilis</i>	Piute Mountains cuckoo wasp	Bohart, 1982	—	—	S1
<i>Ceratochrysis longimala</i>	Desert cuckoo wasp	Bohart, 1982	—	—	S1
<i>Cleptes humboldti</i>	Humboldt cuckoo wasp	Moczar, 1996	—	—	S1S2
<i>Dufourea stagei</i>	Stage's dufourine bee	Bohart, 1980	—	—	S1
<i>Euparagia unidentata</i>	Algodones euparagia	Carpenter and Kimsey, 2009	—	—	S1S2
<i>Hedychridium argenteum</i>	Riverside cuckoo wasp	Kimsey, 1978	—	—	S1S2
<i>Hedychridium milleri</i>	Borax Lake cuckoo wasp	Kimsey, 1978	—	—	S1
<i>Microbembex elegans</i>	Algodones elegant sand wasp	Griswold, 1996	—	—	S1
<i>Myrmosula pacifica</i>	Antioch multilid wasp	Mickel, 1940	—	—	SH
<i>Neolarra alba</i>	white cuckoo bee	Cockerell, 1916	—	—	SH
<i>Paranomada californica</i>	California cuckoo bee	Linsley, 1945	—	—	S1
<i>Parnopes borregoensis</i>	Borrego parnopes cuckoo wasp	Telford, 1964	—	—	S1S2
<i>Perdita algodones</i>	Algodones perdita	Timberlake, 1980	—	—	S1
<i>Perdita frontalis</i>	Imperial Perdita	Timberlake, 1968	—	—	S1S2
<i>Perdita hirticeps luteocincta</i>	yellow-banded andrenid bee	Tiberlake, 1960	—	—	SX
<i>Perdita stephanomeriae</i>	a fairy bee	Timberlake, 1954	—	—	S1S2
<i>Protodufourea wasbaueri</i>	Wasbauer's protodufourea bee	Timberlake, 1955	—	—	S1
<i>Protodufourea zavortinki</i>	Zavortink's protodufourea bee	Griswold and Bohart, 1996	—	—	S1
<i>Rhopalolemma robertsi</i>	Roberts' rhopalolemma bee	Roid-Alsina, 1991	—	—	S1
<i>Sedomaya glamisensis</i>	Glamis night tiphiid	Kimsey and Wasbauer, 1999	—	—	S1
<i>Sphaerophthalma ecarinata</i>	Glamis night mutillid	Schuster, 1958	—	—	S1
<i>Sphecodogastra antiochensis</i>	Antioch Dunes halictid bee	McGinley, 2003	—	—	S1
<i>Stictiella villegasi</i>	Algodones sand wasp	Bohart, 1982	—	—	S1
<i>Trachusa gummifera</i>	San Francisco Bay Area leaf-cutter bee	Thorp, 1963	—	—	S1
INSECTA, Order Lepidoptera (butterflies and moths)					

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Apodemia mormo langei</i>	Lange's metalmark butterfly	Comstock, 1938	Endangered	—	S1
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	Brown, 1942	Endangered	—	S2
<i>Callophrys mossii hidakupa</i>	San Gabriel Mountains elfin butterfly	Emmel, Emmel and Mattoon, 1998	—	—	S1S2
<i>Callophrys sheridanii comstocki</i>	desert green hairstreak	Henne, 1940	—	—	S1S2
<i>Cercyonis pegala carsonensis</i>	Carson Valley wood nymph	Austin, 1992	—	—	S1S2
<i>Chlosyne leanira elegans</i>	Oso Flaco patch butterfly	Priestaf and J. Emmel, 1998	—	—	S1S2
<i>Coenonympha tullia yontockett</i>	Yontockett satyr	Porter and Mattoon, 1989	—	—	S1S2
<i>Danaus plexippus plexippus pop. 1</i>	monarch - California overwintering population	Linnaeus, 1758	Candidate	—	S2
<i>Euphilotes allyni</i>	El Segundo blue butterfly	Shields, 1975	Endangered	—	S1
<i>Euphilotes baueri</i>	Bauer's dotted-blue	Pratt and Emmel, 1998	—	—	S1S2
<i>Euphilotes enoptes smithi</i>	Smith's blue butterfly	Mattoni, 1955	Endangered	—	S2
<i>Euphydryas editha bayensis</i>	Bay checkerspot butterfly	Sternitzky, 1937	Threatened	—	S3
<i>Euphydryas editha monoensis</i>	Mono checkerspot butterfly	Gunder, 1928	—	—	S1S2
<i>Euphydryas editha quino</i>	Quino checkerspot butterfly	Behr, 1863	Endangered	—	S1S2
<i>Euphyes vestris harbisoni</i>	Harbison's dun skipper	Brown and McGuire, 1983	—	—	S1S2
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth	Edwards, 1888	Threatened	—	S1
<i>Glaucopteryx lygdamus palosverdesensis</i>	Palos Verdes blue butterfly	Perkins and Emmel, 1977	Endangered	—	S1
<i>Hesperia miriamae longaevicola</i>	White Mountains skipper	McGuire, 1998	—	—	S1
<i>Hesperopsis graciellae</i>	MacNeill's sootywing	MacNeill, 1970	—	—	S1S2
<i>Icaricia icarioides albihalos</i>	White Mountains icarioides blue butterfly	J. Emmel, T. Emmel & Mattoon, 1998	—	—	S1
<i>Icaricia icarioides missionensis</i>	Mission blue butterfly	Hovanitz, 1937	Endangered	—	S2
<i>Icaricia icarioides parapheres</i>	Point Reyes blue butterfly	Boisduval, 1852	—	—	S1
<i>Icaricia icarioides pheres</i>	Pheres blue butterfly	Boisduval, 1852	—	—	SX
<i>Icaricia saepiolus albomontanus</i>	White Mountains saepiolus blue butterfly	Austin and Emmel, 1998	—	—	S1
<i>Icaricia saepiolus aureolus</i>	San Gabriel Mountains blue butterfly	J. Emmel, T. Emmel, and Mattoon, 1998	—	—	S1
<i>Lycaena hermes</i>	Hermes copper butterfly	Edwards, 1870	Threatened	—	S1
<i>Lycaena rubidus incana</i>	White Mountains copper	Austin, 1998	—	—	S1

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Pelochrista hennei</i>	Henne's eucosman moth	Clarke, 1947	—	—	S1
<i>Philotiella speciosa bohartorum</i>	Bohart's blue butterfly	Tilden, 1969	—	—	S1
<i>Plebejus anna lotis</i>	lotis blue butterfly	Lintner, 1879	Endangered	—	SH
<i>Plebulina emigdionis</i>	San Emigdio blue butterfly	Grinnell, 1905	—	—	S1S2
<i>Polites mardon</i>	mardon skipper	Edwards, 1881	—	—	S1
<i>Polites sabuleti albamontana</i>	White Mountains sandhill skipper	MacNeill, 1959	—	—	S1S2
<i>Pseudocopaeodes eunus obscurus</i>	Carson wandering skipper	Austin and J. Emmel, 1998	Endangered	—	S2
<i>Pyrgus ruralis lagunae</i>	Laguna Mountains skipper	Scott, 1981	Endangered	—	S1
<i>Speyeria adiaсте adiaсте</i>	unsilvered fritillary	Behr, 1862	—	—	S1S2
<i>Speyeria callippe callippe</i>	callippe silverspot butterfly	Boisduval, 1852	Endangered	—	S1
<i>Speyeria nokomis carsonensis</i>	Carson Valley silverspot	Austin, 1998	—	—	S1
<i>Speyeria zerene behrensii</i>	Behren's silverspot butterfly	Edwards, 1869	Endangered	—	S1
<i>Speyeria zerene hippolyta</i>	Oregon silverspot butterfly	Edwards, 1879	Threatened	—	S1
<i>Speyeria zerene myrtleae</i>	Myrtle's silverspot butterfly	dos Passos and Grey, 1945	Endangered	—	S1
<i>Speyeria zerene sonomensis</i>	Sonoma zerene fritillary	J. Emmel, T. Emmel, and Mattoon, 1998	—	—	S1
INSECTA, Order Mecoptera (scorpionflies)					
<i>Orobittacus obscurus</i>	gold rush hanging scorpionfly	Villegas and Byers, 1981	—	—	S1
INSECTA, Order Orthoptera (crickets, grasshoppers, and katydids)					
<i>Aglaothorax longipennis</i>	Santa Monica shieldback katydid	Rentz and Weissman, 1981	—	—	S1S2
<i>Ammopelmatus kelsoensis</i>	Kelso jerusalem cricket	Tinkham, 1965	—	—	S1S2
<i>Ammopelmatus muwu</i>	Point Conception jerusalem cricket	Rentz and Weissman, 1981	—	—	S1
<i>Idiostatus kathleenae</i>	Pinnacles shieldback katydid	Rentz, 1973	—	—	S1S2
<i>Idiostatus middlekauffi</i>	Middlekauff's shieldback katydid	Rentz, 1973	—	—	S1
<i>Psychomastax deserticola</i>	desert monkey grasshopper	Hebard, 1934	—	—	S1
<i>Tetrix sierrana</i>	Sierra pygmy grasshopper	Rehn and Grant, 1956	—	—	S1
<i>Trimerotropis infantilis</i>	Zayante band-winged grasshopper	Rentz and Weissman, 1981	Endangered	—	S1
<i>Trimerotropis occulens</i>	Lompoc grasshopper	Otte, 1984	—	—	S1S2
INSECTA, Order Plecoptera (stoneflies)					
<i>Capnia lacustra</i>	Lake Tahoe benthic stonefly	Jewett, 1965	—	—	S1
INSECTA, Order Orthoptera (caddisflies)					

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Cryptochia denningi</i>	Denning's cryptic caddisfly	Wiggins, 1975	—	—	S1S2
<i>Cryptochia shasta</i>	confusion caddisfly	Denning, 1975	—	—	S1
<i>Diplectrona californica</i>	California diplectronan caddisfly	Banks, 1914	—	—	S1
<i>Farula praelonga</i>	long-tailed caddisfly	Wiggins and Erman, 1987	—	—	S1S2
<i>Goeracea oregona</i>	Sagehen Creek goeracean caddisfly	Denning, 1968	—	—	S1S2
<i>Lepidostoma ermanae</i>	Cold Spring caddisfly	Weaver, 1988	—	—	S1
<i>Limnephilus atercus</i>	Fort Dick limnephilus caddisfly	Denning, 1965	—	—	S1S2
<i>Neothremma siskiyou</i>	Siskiyou caddisfly	Denning, 1975	—	—	S1
<i>Parapsyche extensa</i>	King's Creek parapsyche caddisfly	Denning, 1949	—	—	S1
<i>Rhyacophila lineata</i>	Castle Crag rhyacophilan caddisfly	Denning, 1956	—	—	S1
<i>Rhyacophila mosana</i>	bilobed rhyacophilan caddisfly	Denning, 1956	—	—	S1
GASTROPODA (snails and slugs)					
<i>Ammonitella yatesii</i>	tight coin (=Yates' snail)	Cooper, 1868	—	—	S1
<i>Ancotrema voyanum</i>	hooded lancetooth	Newcomb, 1865	—	—	S1S2
<i>Assiminea infima</i>	Badwater snail	Berry, 1947	—	—	S1
<i>Binneya notabilis</i>	Santa Barbara shelled slug	Cooper, 1863	—	—	S1
<i>Eremarionta immaculata</i>	white desert snail	Willett, 1937	—	—	S1
<i>Eremarionta millepalmarum</i>	Thousand Palms desert snail	Berry, 1930	—	—	S1
<i>Eremarionta morongoana</i>	Morongo (=Colorado) desert snail	Berry, 1929	—	—	S1
<i>Eremarionta rowelli bakerensis</i>	Baker's desert snail	Pilsbry and Lowe, 1934	—	—	S1
<i>Eremarionta rowelli mccoiana</i>	California Mcco snail	Willett, 1935	—	—	S1
<i>Haplotrema catalinense</i>	Santa Catalina lancetooth	Hemphill, 1890	—	—	S1
<i>Haplotrema durante</i>	ribbed lancetooth	Newcomb, 1864	—	—	S1S2
<i>Helminthoglypta allynsmithi</i>	Merced Canyon shoulderband	Pilsbry, 1939	—	—	S1
<i>Helminthoglypta arrosa monticola</i>	mountain shoulderband	Roth, 1982	—	—	S1
<i>Helminthoglypta arrosa pomoensis</i>	Pomo bronze shoulderband	Smith, 1938	—	—	S1
<i>Helminthoglypta ayresiana sanctaecrucis</i>	Ayer's snail	Pilsbry, 1927	—	—	S1S2
<i>Helminthoglypta callistoderma</i>	Kern shoulderband	Pilsbry and Ferriss, 1919	—	—	S1
<i>Helminthoglypta coelata</i>	mesa shoulderband	Bartsch, 1916	—	—	S1
<i>Helminthoglypta concolor</i>	whitefir shoulderband	Roth and Hochberg, 1988	—	—	S1S2

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Helminthoglypta fontiphila</i>	Soledad shoulderband	Gregg, 1931	—	—	S1
<i>Helminthoglypta hertleini</i>	Oregon shoulderband	Hanna and Smith, 1937	—	—	S1S2
<i>Helminthoglypta milleri</i>	peak shoulderband	Reeder, 1986	—	—	S1
<i>Helminthoglypta mohaveana</i>	Victorville shoulderband	Berry, 1927	—	—	S1
<i>Helminthoglypta nickliniana awania</i>	Peninsula coast range shoulderband	Bartsch, 1919	—	—	S1
<i>Helminthoglypta nickliniana bridgesi</i>	Bridges' coast range shoulderband	Newcomb, 1861	—	—	S1S2
<i>Helminthoglypta sequoicola consors</i>	redwood shoulderband	Berry, 1938	—	—	S1
<i>Helminthoglypta stiversiana williamsi</i>	Williams' bronze shoulderband	Smith, 1938	—	—	S1
<i>Helminthoglypta taylori</i>	westfork shoulderband	Reeder and Roth, 1988	—	—	S1
<i>Helminthoglypta traskii pacoimensis</i>	Pacoima shoulderband	Gregg, 1931	—	—	S1
<i>Helminthoglypta uvasana</i>	Grapevine shoulderband	Roth and Hochberg, 1992	—	—	S1
<i>Helminthoglypta vasquezi</i>	Vasquez shoulderband	Roth and Hochberg, 1992	—	—	S1
<i>Helminthoglypta walkeriana</i>	Morro shoulderband	Hemphill, 1911	Threatened	—	S2
<i>Herpeteros angelus</i>	Soledad desertsnailed	Gregg, 1949	—	—	S1
<i>Hesperarion plumbeus</i>	leaden slug	Roth, 2004	—	—	S1S2
<i>Micrarionta facta</i>	Santa Barbara islandsnail	Newcomb, 1864	—	—	S1S2
<i>Micrarionta feralis</i>	San Nicolas islandsnail	Hemphill, 1901	—	—	S1
<i>Micrarionta gabbii</i>	San Clemente islandsnail	Newcomb, 1864	—	—	S1
<i>Micrarionta opuntia</i>	pricklypear islandsnail	Roth, 1975	—	—	S1
<i>Monadenia callipeplus</i>	downy sideband	Berry, 1940	—	—	S1S2
<i>Monadenia cristulata</i>	crested sideband	Berry, 1940	—	—	S1S2
<i>Monadenia fidelis leonina</i>	A terrestrial snail	Berry, 1937	—	—	S1S2
<i>Monadenia fidelis pronotis</i>	rocky coast Pacific sideband	Berry, 1931	—	—	S1
<i>Monadenia infumata ochromphalus</i>	yellow-based sideband	Berry, 1937	—	—	S1S2
<i>Monadenia infumata setosa</i>	Trinity bristle snail	Talmadge, 1952	—	Threatened ^T	S2
<i>Monadenia marmarotis</i>	marble sideband	Berry, 1940	—	—	S1
<i>Monadenia mormonum buttoni</i>	Button's Sierra sideband	Pilsbry, 1900	—	—	S1S2
<i>Monadenia mormonum hirsuta</i>	hirsute Sierra sideband	Pilsbry, 1927	—	—	S1
<i>Monadenia tuolumneana</i>	Tuolumne sideband	Berry, 1955	—	—	S1
<i>Monadenia yosemitensis</i>	Yosemite sideband	Lowe, 1916	—	—	S1S2
<i>Noyo intersessa</i>	Ten Mile shoulderband	Roth, 1987	—	—	S1S2
<i>Pristiloma shepardae</i>	Shepard's snail	Hemphill, 1892	—	—	S1
<i>Punctum hannai</i>	Trinity Spot	Roth, 1985	—	—	S1S2

Scientific Name	Common Name	Author, Date	FedList	CallList	S-Rank
<i>Radiocentrum avalonense</i>	Catalina mountainsnail	Hemphill, 1905	—	—	S1
<i>Rothelix warnerfontis</i>	Warner Springs shoulderband	Reeder and Miller, 1988	—	—	S1
<i>Sterkia clementina</i>	San Clemente Island blunt-top snail	Sterki, 1890	—	—	S1S2
<i>Trilobopsis roperi</i>	Shasta chaparral	Pilsbry, 1889	—	—	S1
<i>Trilobopsis tehamana</i>	Tehama chaparral	Pilsbry, 1928	—	—	S1
<i>Vespericola pressleyi</i>	Big Bar hesperian	Roth, 1985	—	—	S1
<i>Vespericola scotti</i>	Benson Gulch hesperian	Cordero and Miller, 1995	—	—	S1
<i>Vespericola sierranus</i>	Siskiyou hesperian	Berry, 1921	—	—	S1S2
<i>Xerarionta intercisa</i>	horseshoe snail	Binney, 1857	—	—	S1
<i>Xerarionta redimita</i>	wreathed cactusnail	Binney, 1858	—	—	S1
<i>Xerarionta tryoni</i>	Bicolor cactusnail	Newcomb, 1864	—	—	S1



IMPORTANT: Read Title 14, Section 650, California Code of Regulations (CCR), as well as all instructions (last section of this form), permit descriptions, and all Standard Conditions for Scientific Collecting Permits (SCP), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>. All sections of the application are required, unless otherwise indicated.

SECTION 1. PERMIT REQUEST

Type of Application: (select one)

<input type="checkbox"/> New	<input type="checkbox"/> Renewal With Changes	<input type="checkbox"/> Renewal Without Changes	Permit ID to Renew
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Reporting Requirements Principal Investigators and Student Permitholders shall report wildlife taken and/or possessed either within 30 days following the expiration of the permit, upon submitting a renewal application, whichever comes first, or as required by the Authorizations or conditions of the permit (refer to Title 14, subsection 650(p), CCR for reporting requirements). Failure to submit required reports shall result in revocation of an existing permit, and may result in denial of subsequent applications by that Permitholder, or denial of future approval as a Permitholder or Authorized Individual on other permits, pursuant to Title 14, subsections 650(p) and 650(r), CCR.

Application and Permit Fees: (applies to both New and Renewals)

Fees exclude a nonrefundable three percent (3%) application fee, not to exceed \$7.50 per item (Section 700.4, Title 14, CCR).	Individual or Entity (3 year)	Student (1 year)
Application Fee (nonrefundable and submitted with application)	\$44.76	\$25.00
Permit Fee (submit at time of application – refundable if denied, or submit or when notified of approved permit)	\$185.34	\$50.00

SECTION 2. PERMITHOLDER INFORMATION

Permitholder Type: Pursuant to Title 14, subsection 650(f), select the type of Permitholder you are applying as:

<input type="checkbox"/> ENTITY	Complete Section 2a if applying as an eligible Entity. The Entity is the Permitholder, while the Executive Signatory is the principal officer or responsible party for the permit, and who designates a Principal Investigator. The Executive Signatory and the Principal Investigator may be the same person - refer to Section 3b of this application.
<input type="checkbox"/> INDIVIDUAL	Complete Section 2b if applying as an eligible Individual. A person applying for an Individual permit shall serve as both the Permitholder and the Principal Investigator.
<input type="checkbox"/> STUDENT	Complete Section 2c if applying as an eligible Student (students may also apply for Individual and/or Entity permits).

Permitholder Affiliation: Select one or more categories or type(s):

Academic/ Non-Profit	Government	Business	Independent	Other (describe below)
<input type="checkbox"/> University of California <input type="checkbox"/> University – Cal State <input type="checkbox"/> University – Private/ Out of State <input type="checkbox"/> K-12 Education <input type="checkbox"/> Junior/ City College <input type="checkbox"/> Aquarium or Zoo <input type="checkbox"/> 501(c)3 Non-profit <input type="checkbox"/> Research/ Conservation/ Education (501(c)3 Non-profit) <input type="checkbox"/> Academic/ Non-Profit –Other	<input type="checkbox"/> Federal Agency <input type="checkbox"/> Native American Tribe <input type="checkbox"/> State Agency <input type="checkbox"/> Municipal <input type="checkbox"/> Non-municipal Utility <input type="checkbox"/> Government –Other	<input type="checkbox"/> Environmental Consulting <input type="checkbox"/> Business - Timber/ Forest Management <input type="checkbox"/> Business – Biomedical/ Pharmaceutical <input type="checkbox"/> Business – Other	<input type="checkbox"/> Environmental Consulting <input type="checkbox"/> Research <input type="checkbox"/> Independent – Other	

2a. ENTITY

NAME OF ENTITY (ORGANIZATION, AFFILIATION, OR PARTNERSHIP)		GO ID NUMBER (FROM ALDS)	
ENTITY MAILING ADDRESS		ENTITY ID (if applicable)	
CITY	STATE	ZIP CODE	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	

Entity Executive Signatory (Note: if the Executive Signatory will also act as the Principal Investigator, complete section 3b as well)

SC ID (if known)	FIRST NAME	M.I.	LAST NAME	GO ID (FROM ALDS)
TITLE /POSITION			E-MAIL ADDRESS	



PREFERRED TELEPHONE	ALTERNATE TELEPHONE
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PREFERRED MAILING ADDRESS

CITY	STATE	ZIP CODE
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2b. INDIVIDUAL (Principal Investigator)

SC ID (if known)	FIRST NAME	M.I.	LAST NAME	GO ID (FROM ALDS)
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GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)	STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID <input type="checkbox"/> PASSPORT <input type="checkbox"/> TRIBAL MEMBER		

E-MAIL ADDRESS	DOB (MM/DD/YEAR)
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PREFERRED TELEPHONE	ALTERNATE TELEPHONE
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PREFERRED MAILING ADDRESS

CITY	STATE	ZIP CODE
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Individual Affiliation: (if applicable)

AFFILIATION'S NAME

AFFILIATION'S ADDRESS

CITY	STATE	ZIP CODE
------	-------	----------

Individual Qualifications and References (Refer to requirements in Section 3a of this application, and Title 14, subsection 650(h) CCR):

<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED	<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED
---	--

<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME
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TITLE /POSITION	E-MAIL ADDRESS
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PREFERRED TELEPHONE	ALTERNATE TELEPHONE
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AFFILIATION'S NAME (if applicable)

<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
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TITLE /POSITION	E-MAIL ADDRESS
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PREFERRED TELEPHONE	ALTERNATE TELEPHONE
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AFFILIATION'S NAME (if applicable)

2c. STUDENT

SC ID (if known)	FIRST NAME	M.I.	LAST NAME	GO ID (FROM ALDS)
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GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)	STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID <input type="checkbox"/> PASSPORT <input type="checkbox"/> TRIBAL MEMBER		

E-MAIL ADDRESS	DOB (MM/DD/YEAR)
----------------	------------------

PREFERRED TELEPHONE	ALTERNATE TELEPHONE
---------------------	---------------------

STUDENT PREFERRED MAILING ADDRESS



CITY		STATE	ZIP CODE
Student Affiliation:			
UNIVERSITY/ ACADEMIC INSTITUTION	DEPARTMENT AND RESEARCH GROUP		DEGREE PURSUED (e.g., B.S.)
AFFILIATION'S ADDRESS			
CITY		STATE	ZIP CODE
Student Qualifications (Refer to requirements in Section 3a of this application, and Title 14, subsection 650(h) CCR):			
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED		<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
Student Sponsorship: One faculty member shall provide proof of sponsorship of the student – complete the information below.			
SPONSOR FIRST NAME	M.I.	LAST NAME NAME	
UNIVERSITY/ ACADEMIC INSTITUTION		DEPARTMENT AND RESEARCH GROUP	
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
SPONSOR MAILING ADDRESS			
CITY		STATE	ZIP CODE
<input type="checkbox"/> LETTER OF SPONSORSHIP ATTACHED (Refer to Title 14, subsection 650(h)(4) CCR for the responsibilities of a Sponsor).			

SECTION 3. QUALIFICATIONS AND PROPOSED LIST OF AUTHORIZED INDIVIDUALS

3a. Required Qualifications

The following information is required for all persons requested in the application to independently conduct permitted activities, conduct a portion of the permitted activities, or be named on the permit as an Authorized Individual (refer to Title 14, subsection 650(h) CCR):

- 1. Statement of Qualifications (SOQ):** A statement of qualifications that quantifies and describes experience with requested wildlife and/or similar wildlife. The statement of qualifications shall include approximate number of hours of focused activity in occupied habitat, as well as the approximate number of hours conducting the proposed activities, capture methods, and procedures for each requested wildlife species, wildlife taxonomic group, or similar wildlife taxon, locations and dates experience was obtained, and the name(s) of persons who provided training, any relevant survey, or hands-on training, or experience, and for Principal Investigators only, how responsibilities under subsection 650(b)(19) are met;
- 2. Resume or curriculum vitae:** A resume or *curriculum vitae* that describes the educational background and wildlife-related experience, including a list of any relevant publications; and
- 3. References:** Except for Student Permitholders, current contact information (indicated below) for two (2) references (for example, other Permitholders or experts) who can verify the applicant's experience with requested wildlife.

3b. Principal Investigator (PI) (ONLY APPLICABLE FOR ENTITY PERMITHOLDERS)

The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the permit - refer to Title 14, subsection 650(f), CCR. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of this application, complete the required information below, including Required Qualifications from Section 3a of this application.

SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
PI PREFERRED MAILING ADDRESS (FOR SCP CORRESPONDENCE)				



CITY		STATE	ZIP CODE
AFFILIATION'S NAME (if applicable)			
AFFILIATION'S ADDRESS			
CITY		STATE	ZIP CODE
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED		<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			

3c. PROPOSED LIST OF AUTHORIZED INDIVIDUALS (LAI) (NOT APPLICABLE FOR STUDENT PERMITHOLDERS)

Complete the required information below for each person proposed to work independently under the PI. A maximum of eight (8) Authorized Individuals, aside from the PI, may be requested for each Authorization included with the permit fees (refer to Title 14, subsection 650(j), CCR, and Section 4 of this application), and only eight (8) may be approved per Authorization at any given time. Attach the Required Qualifications for each Authorized Individual (refer to Section 3a of this application). If no persons are requested as Authorized Individuals, skip to Section 4 of this application.

Total No. Authorized Individuals requested:

SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
E-MAIL ADDRESS			PREFERRED TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	



AFFILIATION'S NAME (if applicable)
<Add New Record> Select to provide the same required information for each person requested as an Authorized Individual

3d. RELATED PERMITS				
Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed above) with permits related to the work planned with this permit? If yes, provide the following information.			<input type="checkbox"/> Yes	<input type="checkbox"/> No
FIRST NAME	LAST NAME	AFFILIATION NAME	PERMIT ID	
<Add New Record>				



SECTION 4. GENERAL USE PERMIT INFORMATION – TERRESTRIAL WILDLIFE

The Terrestrial Wildlife program reviews applications for terrestrial and vernal pool invertebrates*, amphibians, reptiles, mammals, and birds.

Purpose and Activities: Conducting surveys and monitoring which involve capturing, handling, measuring, and releasing an unlimited number of terrestrial wildlife only for the purpose of identification and documentation for educational, scientific and select propagation purposes throughout California (see Authorizations below for specified methods). Certain methods of non-invasive marking, sacrifice of some invertebrates, sacrifice of non-native wildlife, as well as salvage may be allowed.

Note: A Terrestrial Wildlife General Use SCP is required to take and/or possess terrestrial invertebrates that occur only in vernal pools, or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish. A General Use would cover non-routine incidental by-catch or other take of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list List (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>) during the course of field activities that are otherwise exempt from a permit, in accordance with Title 14, subsections 650(i)(D) and 650(u)(5), CCR.*

*Refer to your permit conditions. If incidental by-catch or other take of the Prohibited Wildlife under each of the Authorizations (W1-W5) becomes routine, even during the course of field activities that are otherwise exempt from a permit in accordance with Title 14, subsection 650(u)(5), contact the Terrestrial Wildlife review program lead to determine if you may need to amend your General Use permit for a particular Authorization, or if you should apply for a Specific Use permit, and/or a research MOU.

4a. PURPOSE OF PERMIT

Check the applicable purposes and permit use below which you are requesting pursuant to Title 14, Section 650(c), CCR. For “other” - specify in blank below another activity that does not clearly fit into one of these categories.

<input type="checkbox"/> Science	<input type="checkbox"/> Education	<input type="checkbox"/> Propagation
<input type="checkbox"/> Research <input type="checkbox"/> Survey/ Inventory <input type="checkbox"/> Monitoring <input type="checkbox"/> Museum Collection – (e.g., salvage for specimens, etc.) <input type="checkbox"/> other (specify – e.g., restoration, etc.)	<input type="checkbox"/> Capture and release and/ or display of wild animals in the field (e.g., school groups, field demonstrations, etc.) <input type="checkbox"/> Display of dead salvaged specimens <input type="checkbox"/> other - (specify – e.g., biological collection service, museum or teaching collection, etc.)	<input type="checkbox"/> Short-distance movement out of harm’s way <input type="checkbox"/> other (specify – e.g., sacrifice of non-native species to enhance sustainability of native species)
<Other - Text Field>	<Other - Text Field>	<Other - Text Field>

4b. JUSTIFICATION OF USE:

Use the space below to summarize your proposed wildlife and activities. It is not necessary to identify each study or research project, if not known at the time of application, but you should describe:

- What counties, or any specific locales it is anticipated activities under a permit will occur in (e.g., federal, state, local or private lands);
- What types of work or activities are expected to be conducted (e.g., research, surveys and monitoring for gathering presence/absence information for environmental documents or permits required by law, educational field trainings or demonstrations; salvage);
- Information about any study(ies) or project(s) collaborated on with other researchers; and
- If applicable, what species are being targeted, or what species could be encountered with authorized methods, if known.

<Text Box>

Review of Species Information

I acknowledge that I, and any other person named or covered in this application as an Authorized Individual, have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species prior to conducting planned activity(ies). If we am/are aware certain sensitive species may be encountered in the area of my/our planned activities. If methods and locations authorized by this permit may result in take of CESA-listed, CESA-Candidate, or Fully Protected species, I will contact the appropriate review program about whether I/we need a Memorandum of Understanding (MOU), pursuant to Fish and Game Code Section 2081(a), and/or Title 14, Section 670.7, CCR.

4c. TERRESTRIAL WILDLIFE AUTHORIZATIONS



Select one or more of the following Terrestrial Wildlife Authorizations (W1-W6) by checking each taxonomic group applicable to your purpose and justification provided. Enter the PI (Section 3b, required) and/or proposed Authorized Individuals (Section 3c, if applicable) proposed to work under each selected Authorization. The PI, plus a maximum of any eight (8) Authorized Individuals, may be requested for each Authorization, but only eight (8) may be approved per Authorization at any given time. The same Authorized Individuals may be requested for all Authorizations. The Terrestrial Wildlife review program may approve or deny the PI, and any Authorized Individuals for that Authorization, and may alter the Authorization's LAI based on review of Required Qualifications submitted.

Authorized Individuals (and any unnamed Field Assistants) conducting activities under an issued Terrestrial Wildlife General Use Permit shall adhere to the following:

- All Standard Conditions for Scientific Collecting Permits;
- All captured wildlife will be released alive and unharmed at the site of capture, except as specifically authorized, and may not otherwise be removed from the wild; except for invertebrate voucher specimens, invasive or detrimental animals authorized for sacrifice, and animals incidentally injured or killed during permitted activities;
- Intentional take or possession of animals that are federally-listed as Threatened or Endangered species, and intentional take of State-listed Threatened, Endangered, Candidate, and Fully Protected, or other Prohibited Wildlife will not be authorized. If any of these species are incidentally captured they shall be immediately released without further handling;
- **Reporting:** Notwithstanding subsection 650(p) for form DFW 1379a (Mandatory Wildlife Report), reporting will be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance.
- All conditions from one or more of your selected wildlife group(s) below that match your justification in Section 4b.

Terrestrial & Vernal Pool Invertebrates (W1)

Terrestrial and vernal pool invertebrates may be taken in accordance with the restrictions below.

Wildlife and Activities: Terrestrial and vernal pool invertebrates that occur in vernal pools, or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish, may be captured, handled, and released. Limited sacrifice of vernal pool invertebrate voucher specimens is authorized only as needed for identification. Vernal pool invertebrates incidentally killed during capture activities may be salvaged. Invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>) may be taken as by-catch incidentally (capture, handle and release) during the course of field activities that are otherwise exempt from needing a permit (pursuant to Title 14, subsection 650(u)(5), CCR) or during the course of permitted field activities.

Prohibited Wildlife: The following invertebrates shall not be targeted, and if incidentally captured shall be immediately released without further handling*:

- State- and federally-listed Threatened and Endangered, and State-designated candidate invertebrates.
- California Terrestrial and Vernal Pool Invertebrates of Conservation Priority, (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>).

Methods and Equipment: hand and net, or other capture methods may be used which minimize potential incidental take of Prohibited Wildlife.

Limit and Disposition: Survey by capture, handle, and release of non-prohibited vernal pool invertebrates – unlimited. Limited sacrifice of native or non-native, non-prohibited vernal pool invertebrates for voucher specimens is authorized only as needed for identification – not to exceed 10% of a local population. All salvaged or sacrificed specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within 12 months of acquisition, or as soon as reasonably possible.

Locations: Throughout California.

Additional conditions for terrestrial and vernal pool invertebrates may be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance. *Any invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List that are incidentally taken as by-catch during the course of field activities that are otherwise exempt from a permit (Title 14, subsection 650(u)(5), CCR), or during the course of permitted field activities, shall be reported to the Department pursuant to Title 14, subsection 650(p)(2), CCR.

W1 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W1 Measures Minimizing Harm of Wildlife:



Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Amphibians (W2)

Adult and larval amphibians may be taken in accordance with the restrictions below.

Wildlife and Activities: Amphibians may be captured, handled, measured, marked, and released. Non-native amphibians from the Orders Anura and Caudata incidentally encountered during field activities may be captured and sacrificed. Amphibians incidentally killed during capture activities may be salvaged.

Prohibited Wildlife: The following amphibians and amphibian life stages shall not be targeted, and if incidentally captured shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected amphibians.
- California Amphibian Species of Special Concern.
- Eggs of all native amphibians.

Methods and Equipment: Amphibians may be captured by hand and dip net. Amphibians may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic fluorescent powders).

Limit and Disposition: Capture, handle and release of non-prohibited amphibians – unlimited. Sacrifice of non-native amphibians – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California.

Additional conditions for amphibians may be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance.

W2 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W2 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Reptiles (W3)

Reptiles may be taken in accordance with the restrictions below.

Wildlife and Activities: Reptiles may be captured, handled, measured, marked, and released. Non-native reptiles from the Orders Squamata and Testudines incidentally encountered during field activities may be captured and sacrificed. Reptiles incidentally killed during capture activities may be salvaged.

Prohibited Wildlife: The following reptiles and reptile life stages shall not be targeted, and if incidentally captured shall be immediately released without further handling.

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected reptiles.



- California Reptile Species of Special Concern.
- Sea turtles and sea snakes.
- Eggs of all native reptiles.

Methods and Equipment: Reptiles may be captured by hand, dip net, lizard noose, snake tongs, and snake hook. Reptiles may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic ink, paint, correction fluid, or black dye).

Limit and Disposition: Capture, handle and release of non-prohibited reptiles – unlimited. Sacrifice of non-native reptiles – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California.

Additional conditions for reptiles may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W3 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W3 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Mammals (W4)

Only small mammals in the families Soricidae, Talpidae, Aplodontidae, Cricetidae, Dipodidae, Geomyidae, Heteromyidae, Muridae, and Sciuridae may be taken in accordance with the restrictions below.

Wildlife and Activity: Only small mammals in the nine families noted above may be captured, handled, measured, marked, and released. Non-native mice and rats from the family Muridae incidentally captured during trapping activities may be sacrificed. Small mammals incidentally killed during capture and trapping activities may be salvaged.

Prohibited Wildlife: The following mammals and mammal life stages shall not be targeted and if incidentally captured, shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected mammals.
- California Mammal Species of Special Concern.
- Mammals in families other than the nine noted above are prohibited (see exception for non-native mice and rats in Muridae).
- Nests of all mammals (e.g., woodrat nests).

Methods and Equipment: Small mammals may be captured by box or cage live-traps of appropriate size to preclude capture of medium-sized mammals or carnivores. Small mammals may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic ink or black dye).

Limit and Disposition: Capture, handle, and release of non-prohibited small mammals – unlimited. Sacrifice of non-native mice and rats – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California excluding the ranges and occupied habitat of prohibited small mammals.

Additional conditions for mammals may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W4 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
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<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>
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<Add New Record>

W4 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Birds (W5)

Birds may be taken in accordance with the restrictions below.

Wildlife and Activities: Birds may be captured, handled, measured, marked, and released. Birds incidentally killed during capture and trapping activities may be salvaged.

Prohibited Wildlife: The following birds and bird life stages shall not be targeted and if incidentally captured, shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected birds.
- California Bird Species of Special Concern.
- All birds in the families and orders Anatidae, Galliformes, Procellariiformes, Phalacrocoracidae, Pelecanidae, Ardeidae, Threskiornithidae, Accipitriformes, Gruiformes, Alcidae, Laridae, Strigiformes, Trochilidae, and Falconiformes.
- Nests, eggs, and nestlings of all birds.

Birds protected by the federal Migratory Bird Treaty Act may only be authorized if the species and activities are also covered under appropriate federal permit(s).

Methods and Equipment: Birds may be captured by mist net. Birds may be marked with government-issued, or approved numbered metal bands. Auxiliary markers (including color bands) or other marking techniques can only be authorized under a Specific Use permit.

Limit and Disposition: Capture, handle and release of non-prohibited birds – unlimited.

Locations: Throughout California.

Additional conditions for birds may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W5 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W5 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).



<Text Box>

Terrestrial Wildlife Salvage (W6)

Dead terrestrial wildlife may be taken in accordance with the restrictions below.

Wildlife and Activities: Dead vernal pool invertebrates, amphibians, reptiles, mammals, birds, and their parts, that the Permitholder and all Authorized Individuals named or covered under this Authorization had no part in the killing or death thereof may be salvaged from the wild, for scientific and wildlife conservation education purposes. Dead specimens that are unsuitable for donation shall be left at the site or shall be completely destroyed through burial or incineration.

Prohibited Wildlife: The following animals and life stages shall not be salvaged without additional written instruction from the department: State-listed Threatened and Endangered, State-designated Candidate, or Fully Protected species, mountain lions, big game (bear, elk, deer, antelope, feral pig), amphibian and reptile eggs, bird nests and bird eggs (including viable or unviable eggs and abandoned nests).

Limit: Unlimited non-Prohibited Wildlife.

Final Disposition: All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California, excluding at renewable energy facilities, when part of mortality monitoring activities.

Additional conditions for salvage may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W6 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W6 Measures to Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm to other wildlife during your salvage activities, including how you will avoid the incidental possession of non-target wildlife and special status species. List the name(s) and address(es) of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred, if known.

<Text Box>



SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMENTS

5a. FEDERAL PERMITS

Do you currently hold/ are named on, have applied for, or will apply for a federal permit pertinent to your requested activities? Yes
 Select all that apply, and attach copies of permits, or applications. No

<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Native Endangered and Threatened Species Recovery Permit – U.S. Fish and Wildlife Service Permit No(s):	<input type="checkbox"/> Bird Banding Permit – U.S. Geological Survey Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Scientific Research Permit – National Oceanic and Atmospheric Administration, Fisheries (NMFS) Permit No(s):	<input type="checkbox"/> Migratory Bird Permit – U.S. Fish and Wildlife Service Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 4(d) rule – Research Permit No(s):	<input type="checkbox"/> Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife Refuge, etc.) Type and Permit No.(s):

5b. STATE PERMITS

Do you currently hold, or are named on, or have applied for, or will apply for a state permit pertinent to your requested take activities? Select all that apply, and attach copies of permits and/or applications. Yes
 No

<input type="checkbox"/> California Endangered Species Act and/or Fully Protected Species Research MOU(s) – Department Permit or MOU Names or No.(s):	Common name(s) (<i>Scientific name</i>)
<input type="checkbox"/> Scientific Research and Collecting Permits – CA State Parks Permit No(s):	<input type="checkbox"/> Other (e.g., California Dept. of Food and Agriculture)

5c. RELEVANT ENVIRONMENTAL DOCUMENTS

Are you proposing to conduct activities to meet requirements of an environmental plan or document or to meet other environmental compliance required by law? Select all that may apply, and provide the name and date of the document(s). Yes
 No

<input type="checkbox"/> Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion	<input type="checkbox"/> Federal Hydropower Licensing (Federal Energy Regulatory Commission)
<input type="checkbox"/> Renewable Energy (i.e., wind, solar, etc.)	<input type="checkbox"/> California Environmental Quality Act
<input type="checkbox"/> National Environmental Policy Act	<input type="checkbox"/> Fish Restoration Grants Program
<input type="checkbox"/> Natural Community Conservation Plan	<input type="checkbox"/> Lake and Streambed Alteration Agreement
<input type="checkbox"/> Hatchery, or Department Fishery Management Plan	<input type="checkbox"/> Water Operations (U.S. Bureau of Reclamation, California Dept. of Water Resources, Interagency Ecological Program, etc.)
<input type="checkbox"/> Other	



SECTION 6. APPLICATION CERTIFICATION

In signing this application, the applicant to serve as a Permitholder, or to serve as the Executive Signatory (for an Entity permit), and any requested Authorized Individuals agree to the following:

“I certify that the information submitted in this application is complete and accurate to the best of my knowledge and belief. I understand that if I fail to provide required information, my permit may be denied. I further certify I have read, understand, and agree to abide the applicable provisions of the Fish and Game Code, and Title 14, Section 650, CCR, and will abide by all the conditions and attachments of the issued permit. I certify that I am not currently under any Department of Fish and Wildlife license or permit revocation or suspension, and there are no other legal or administrative proceedings pending that may disqualify me from obtaining this permit or any amendments. I understand that any false statement herein may make this permit void and subject me to suspension or revocation of this permit pursuant to Title 14, Section 650, CCR, and to the criminal penalties set forth in Fish and Game Code Section 12002. I further understand I am responsible for ensuring all persons working under this permit will be adequately supervised, and comply with the requirements noted above.”

APPLICANT SIGNATURE

DATE

X



INSTRUCTIONS FOR THE GENERAL USE APPLICATION

Aside from reading these instructions, it is also important that you read Title 14, Section 650, California Code of Regulations (CCR), permit descriptions, and Standard Conditions for All Scientific Collecting Permits (SCPs) (form DFW 1379d), so that you have a thorough understanding of requirements (available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>). Additional State and federal permits may be required, and your application may be deemed incomplete if copies of these permits are not submitted with the SCP General Use Permit Application. **All sections of the application are required, unless otherwise indicated.**

COMPLETING THE APPLICATION

Pursuant to Title 14, subsection 650(e), CCR, application forms are available on the department's internet web site: www.wildlife.ca.gov. Applications shall be submitted in an electronic format when available; no handwritten applications shall be accepted. Name(s) of all persons listed on the permit application shall match those on government-issued identification. Failure to answer any questions fully, or failure to submit any required information, or the proper application fee, may delay the processing of your application, or result in denial of the application. **The Department will determine if an application is complete within 40 calendar days.** Once the application is determined to be complete, the Department will approve or deny the application within 60 calendar days, notwithstanding certain pending permits that require notification to the public. Therefore, please allow a minimum of 12 weeks for processing an application. Applications are processed in the order received.

APPLICANTS RENEWING AN SCP SHALL ALSO: Enclose or submit via e-mail a completed Mandatory Wildlife Report (DFW 1379a) and any additional reports required by their previous SCP. See "Reporting Requirements" below.

Section 1 – Permit Request: Select the type of application request, New or Renewal.

Section 2 – Permitholder Information: Select the type of Permitholder you are applying as.

2a Entity – An "Entity Permit" may be issued to an eligible entity in the name of the entity as the Permitholder. The Entity is the Permitholder, while the Executive Signatory is the principal officer or responsible party for the permit, and who designates a Principal Investigator. The Executive Signatory and the Principal Investigator may be the same person.

2b Individual – An "Individual Permit" may be issued in the name of an eligible person who acts as both the Permitholder and Principal Investigator, and that person is responsible for overseeing all activities conducted under the permit.

2c Student – A "Student Permit" may be issued in the name of a student. The Student acts as the Permitholder; however, one faculty member affiliated with their college or university shall act as a Student Sponsor if applying as a student. Student Permits are valid for one year, and only allow the Student Permitholder to work independently. Students may also apply as an Entity or Individual Permitholder (valid for three years, and with payment of Individual and Entity fees), and may then adequately supervise a LAI.

Section 3 – Qualifications and Proposed List of Authorized Individuals

3a Required Qualifications – Prepare and submit required qualifications for all persons requesting to be named on the List of Authorized Individuals (Not applicable for applicants as Student Permitholders). Attach Statements of Qualifications, and Resumes or *curriculum vitae*.

3b Principal Investigator – Fill in the information for the Principal Investigator (Entity and Individual permits only). Complete the required information for the person proposed to work as the Principal Investigator (PI) for an Entity permit. Attach the Required Qualifications. The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the List of Authorized Individuals (LAI).

3c Proposed List of Authorized Individuals – A maximum of eight (8) Authorized Individuals, aside from the PI, may be requested for each Authorization included with the permit fees to be named on the LAI, and only eight (8) may be approved per Authorization at any given time. Complete the required information, and attach the Required Qualifications for each proposed Authorized Individual. If no persons are requested to work as Authorized Individuals, skip to Section 4.

3d Related Permits – Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed) with permits related to the work planned with this permit? If yes, provide information for each.

Section 4 – General Use Permit Information Describe details of all of your requested activities in this section. Attach additional documents if necessary.

4a Purpose of Permit – Check the applicable purpose(s) and permit use subcategory(ies) for this permit. For "other" – specify in blank below any other activity that does not clearly fit into one of these categories.



4b Justification of Use – Use the space provided to summarize your proposed wildlife and activities. It is not necessary to identify each study or research project, if not known at the time of application; however, an answer is required to justify your request. Check the box to acknowledge that the Permitholder and all Authorized Individuals have reviewed the Department’s California Natural Diversity Database Quick view or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered, and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species.

4c Authorizations – Select one or more of the Authorizations (W1-W6) by checking each taxonomic group applicable to your purpose and justification provided. If applying as an Entity or Individual Permitholder, enter the PI (Section 3b, required) and/or Authorized Individuals (Section 3c, if applicable) proposed to work under each selected Authorization, but only eight (8) may be approved per Authorization at any given time. The PI, plus a maximum of any eight (8) Authorized Individuals, may be requested for each Authorization. The same Authorized Individuals may be requested for all Authorizations. The Terrestrial Wildlife review program may approve or deny the PI, and any Authorized Individuals for that Authorization, and may alter the Authorization’s LAI based on review of Required Qualifications submitted.

Section 5 – Other Permits and Environmental Documents Provide a complete copy of current federal and State permit(s), or applications for such permits that apply to this permit application, and any other written State authorizations, such as a current MOU, if applicable.

Section 6 – Application Certification Verify all fields are complete and required documents are attached, sign (electronically) and date.

REPORTING REQUIREMENTS

The Mandatory Wildlife Report (form DFW 1379a), or “Report” is required for every General and Specific Use level permit. Each permit may have slightly different timeframes for frequency of submission of the Report, so check permit Authorizations and/or conditions for details on submission frequency and timing. The report form is available with separate instructions at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting> in a fill and save format. Upon completion of the electronic report, send it to the correct contact listed in your permit conditions. If no contact is specified in your permit conditions, send the report to SCPPermits@wildlife.ca.gov. Any other report format required pursuant to Title 14, subsection 650(p)(2), and specified in the conditions of your SCP shall also be submitted by the specified timeframes. See also Standard Conditions for all Scientific Collecting Permits (form DFW 1379d), Standard Conditions G and I for more reporting guidance.

PAYMENT POLICY

The Department accepts cashier’s checks, money orders, personal or business checks,* or credit cards.** If a receipt for payment is needed before the permit is issued, please notify the Department when the application form is submitted. The application fee is non-refundable for all permit categories and types. Application fees shall be submitted with an application, and the permit fee is due within 60 calendar days upon after notice of permit approval, or the Department may refuse to issue the permit, and may change the approval into a denial. Before or upon approval of your application, the permit fee shall be paid before issuance of your approved SCP – refer to Title 14, subsection 703(c), CCR for details.

***Personal or business checks** will be accepted by the Department if a name and address are imprinted on the check. A check returned to the Department due to insufficient funds will render your permit invalid. The Department may also deny the issuance or renewal of any permit if a person has failed to reimburse the Department for the amount due. Make checks payable to the Department of Fish and Wildlife.

****Credit Cards** – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>.

Cash can no longer be accepted at Department offices as of January 1, 2017.

NOTICE

Disclosure Statement - Under Section 650, Title 14, of the CCR, the Department is authorized to collect information from applicants to maintain a record of licensure. Under Fish and Game Code Section 391, personal information submitted on this application may be released for law enforcement purposes, pursuant to court order, or for official natural resources management purposes, or as may otherwise be required under the California Public Records Act. Issued SCPs are public records, and their related applications may be subject to public disclosure under the California Public Records Act, or other applicable law. People with concerns about records being released to the public should contact CDFW before submitting an application.

A licensee or Permitholder may obtain a copy of his/her license records maintained by the Department by submitting a written request to the Custodian of Records, Department of Fish and Wildlife, License and Revenue Branch, 1740 N.



State of California – Department of Fish and Wildlife

SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE)

DFW 1379GW (~~NEW 09/01/17~~REV 01/2024) Page **16** of **16**

Market Blvd., Sacramento, CA 95834 or lrb@wildlife.ca.gov. All requests shall include the requestor's name, address, and telephone number.



IMPORTANT: Read Title 14, Section 650, California Code of Regulations (CCR), as well as all instructions (last section of this form), permit descriptions, and all Standard Conditions for Scientific Collecting Permits (SCP), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>. All sections of the application are required, unless otherwise indicated.

SECTION 1. PERMIT REQUEST

Type of Application: (select one)

<input type="checkbox"/> New	<input type="checkbox"/> Renewal With Changes	<input type="checkbox"/> Renewal Without Changes	Permit ID to Renew
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Reporting Requirements Principal Investigators and Student Permitholders shall report wildlife taken and/or possessed either within 30 days following the expiration of the permit, upon submitting a renewal application, whichever comes first, or as required by the Authorizations or conditions of the permit (refer to Title 14, subsection 650(p), CCR for reporting requirements). Failure to submit required reports shall result in revocation of an existing permit, and may result in denial of subsequent applications by that Permitholder, or denial of future approval as a Permitholder or Authorized Individual on other permits, pursuant to Title 14, subsections 650(p) and 650(r), CCR.

Application and Permit Fees: (applies to both New and Renewals)

Fees exclude a nonrefundable three percent (3%) application fee, not to exceed \$7.50 per item (Section 700.4, Title 14, CCR).	Individual or Entity (3 year)	Student (1 year)
Application Fee (nonrefundable and submitted with application)	\$71.62	\$25.00
Permit Fee (submit at time of application – refundable if denied, or submit when notified of approved permit)	\$269.08	\$50.00

SECTION 2. PERMITHOLDER INFORMATION

Permitholder Type: Pursuant to Title 14, subsection 650(f), select the type of Permitholder you are applying as:

<input type="checkbox"/> ENTITY	Complete Section 2a if applying as an eligible Entity. The Entity is the Permitholder, while the Executive Signatory is the principal officer or responsible party for the permit, and who designates a Principal Investigator. The Executive Signatory and the Principal Investigator may be the same person - refer to Section 3b of this application.
<input type="checkbox"/> INDIVIDUAL	Complete Section 2b if applying as an eligible Individual. A person applying for an Individual permit shall serve as both the Permitholder and the Principal Investigator.
<input type="checkbox"/> STUDENT	Complete Section 2c if applying as an eligible Student (students may also apply for Individual and/or Entity permits).

Permitholder Affiliation: Select one or more categories or type(s):

Academic/ Non-Profit	Government	Business	Independent	Other (describe below)
<input type="checkbox"/> University of California <input type="checkbox"/> University – Cal State <input type="checkbox"/> University – Private/ Out of State <input type="checkbox"/> K-12 Education <input type="checkbox"/> Junior/ City College <input type="checkbox"/> Aquarium or Zoo <input type="checkbox"/> 501(c)3 Non-profit <input type="checkbox"/> Research/ Conservation/ Education (501(c)3 Non-profit) <input type="checkbox"/> Academic/ Non-Profit –Other	<input type="checkbox"/> Federal Agency <input type="checkbox"/> Native American Tribe <input type="checkbox"/> State Agency <input type="checkbox"/> Municipal <input type="checkbox"/> Non-municipal Utility <input type="checkbox"/> Government –Other	<input type="checkbox"/> Environmental Consulting <input type="checkbox"/> Business - Timber/ Forest Management <input type="checkbox"/> Business – Biomedical/ Pharmaceutical <input type="checkbox"/> Business – Other	<input type="checkbox"/> Environmental Consulting <input type="checkbox"/> Research <input type="checkbox"/> Independent – Other	

2a. ENTITY

NAME OF ENTITY (ORGANIZATION, AFFILIATION, OR PARTNERSHIP)	GO ID NUMBER (FROM ALDS)
ENTITY MAILING ADDRESS	ENTITY ID (if applicable)
CITY	STATE
PREFERRED TELEPHONE	ALTERNATE TELEPHONE

Entity Executive Signatory (Note: if the Executive Signatory will also act as the Principal Investigator, complete section 3b as well)

SC ID (if known)	FIRST NAME	M.I.	LAST NAME	GO ID (FROM ALDS)
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TITLE /POSITION				E-MAIL ADDRESS			
PREFERRED TELEPHONE				ALTERNATE TELEPHONE			
PREFERRED MAILING ADDRESS							
CITY				STATE		ZIP CODE	
2b. INDIVIDUAL (Principal Investigator)							
SC ID (if known)		FIRST NAME		M.I.	LAST NAME		GO ID (FROM ALDS)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)				STATE, COUNTRY, OR TRIBE OF ID		ID NUMBER	
<input type="checkbox"/> U.S. STATE ID		<input type="checkbox"/> PASSPORT		<input type="checkbox"/> TRIBAL MEMBER			
E-MAIL ADDRESS				DOB (MM/DD/YEAR)			
PREFERRED TELEPHONE				ALTERNATE TELEPHONE			
PREFERRED MAILING ADDRESS							
CITY				STATE		ZIP CODE	
Individual Affiliation: (if applicable)							
AFFILIATION'S NAME							
AFFILIATION'S ADDRESS							
CITY				STATE		ZIP CODE	
Individual Qualifications and References (Refer to requirements in Section 3a of this application, and Title 14, subsection 650(h) CCR):							
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED				<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED			
<input type="checkbox"/> REFERENCE 1:		FIRST NAME		M.I.	LAST NAME		
TITLE /POSITION				E-MAIL ADDRESS			
PREFERRED TELEPHONE				ALTERNATE TELEPHONE			
AFFILIATION'S NAME (if applicable)							
<input type="checkbox"/> REFERENCE 2:		FIRST NAME		M.I.	LAST NAME		
TITLE /POSITION				E-MAIL ADDRESS			
PREFERRED TELEPHONE				ALTERNATE TELEPHONE			
AFFILIATION'S NAME (if applicable)							
2c. STUDENT							
SC ID (if known)		FIRST NAME		M.I.	LAST NAME		GO ID (FROM ALDS)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)				STATE, COUNTRY, OR TRIBE OF ID		ID NUMBER	
<input type="checkbox"/> U.S. STATE ID		<input type="checkbox"/> PASSPORT		<input type="checkbox"/> TRIBAL MEMBER			
E-MAIL ADDRESS				DOB (MM/DD/YEAR)			
PREFERRED TELEPHONE				ALTERNATE TELEPHONE			



STUDENT PREFERRED MAILING ADDRESS		
CITY	STATE	ZIP CODE
Student Affiliation:		
UNIVERSITY/ ACADEMIC INSTITUTION	DEPARTMENT AND RESEARCH GROUP	DEGREE PURSUED (e.g., B.S.)
AFFILIATION'S ADDRESS		
CITY	STATE	ZIP CODE
Student Qualifications (Refer to requirements in Section 3a of this application, and Title 14, subsection 650(h) CCR):		
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED	<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
Student Sponsorship: One faculty member shall provide proof of sponsorship of the student – complete the information below.		
SPONSOR FIRST NAME	M.I.	LAST NAME NAME
UNIVERSITY/ ACADEMIC INSTITUTION	DEPARTMENT AND RESEARCH GROUP	
TITLE /POSITION	E-MAIL ADDRESS	
PREFERRED TELEPHONE	ALTERNATE TELEPHONE	
SPONSOR MAILING ADDRESS		
CITY	STATE	ZIP CODE
<input type="checkbox"/> LETTER OF SPONSORSHIP ATTACHED (Refer to Title, subsection 650(h)(4) CCR for the responsibilities of a Sponsor).		

SECTION 3. QUALIFICATIONS AND PROPOSED LIST OF AUTHORIZED INDIVIDUALS

3a. Required Qualifications

The following information is required for all persons requested in the application to independently conduct permitted activities, conduct a portion of the permitted activities, or be named on the permit as an Authorized Individual (refer to Title 14, subsection 650(h) CCR):

- 1. Statement of Qualifications (SOQ):** A statement of qualifications that quantifies and describes experience with requested wildlife and/or similar wildlife. The statement of qualifications shall include approximate number of hours of focused activity in occupied habitat, as well as the approximate number of hours conducting the proposed activities, capture methods, and procedures for each requested wildlife species, wildlife taxonomic group, or similar wildlife taxon, locations and dates experience was obtained, and the name(s) of persons who provided training, any relevant survey, or hands-on training, or experience, and for Principal Investigators only, how responsibilities under subsection 650(b)(19) are met;
- 2. Resume or curriculum vitae:** A resume or *curriculum vitae* that describes the educational background and wildlife-related experience, including a list of any relevant publications; and
- 3. References:** Except for Student Permitholders, current contact information (indicated below) for two (2) references (for example, other Permitholders or experts) who can verify the applicant's experience with requested wildlife. For new applicants requesting take and/or possession of mountain lion (*Puma concolor*), two letters of recommendation shall be submitted as verifiable documentation, pursuant to Section 4810 of the Fish and Game Code.

3b. Principal Investigator (PI) (ONLY APPLICABLE FOR ENTITY PERMITHOLDERS)

The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the permit - refer to Title 14, subsection 650(f), CCR. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of this application, complete the required information below, including Required Qualifications from Section 3a of this application.

SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		



TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
PI PREFERRED MAILING ADDRESS (FOR SCP CORRESPONDENCE)			
CITY		STATE	ZIP CODE
AFFILIATION'S NAME (if applicable)			
AFFILIATION'S ADDRESS			
CITY		STATE	ZIP CODE
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED		<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			

3c. PROPOSED LIST OF AUTHORIZED INDIVIDUALS (LAI)				(NOT APPLICABLE FOR STUDENT PERMITHOLDERS)	
Complete the required information below for each person proposed to work independently under the Principal Investigator (PI). Up to eight (8) Authorized Individuals, aside from the PI, may be requested with the permit fees (refer to Title 14, subsection 650(j), CCR) and see Section 3d, below. Attach the Required Qualifications for each proposed Authorized Individual (refer to Section 3a of this application). If no persons are requested to work as Authorized Individuals, skip to Section 4.					Total No. Authorized Individuals requested: _____
SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)	
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY OR TRIBE OF ID	ID NUMBER	
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER			
E-MAIL ADDRESS			PREFERRED TELEPHONE		
AFFILIATION'S NAME (if applicable)					
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED		
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME		
TITLE /POSITION			E-MAIL ADDRESS		
PREFERRED TELEPHONE			ALTERNATE TELEPHONE		
AFFILIATION'S NAME (if applicable)					



<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<Add New Record> Select to provide the same required information for each person requested as an Authorized Individual			

3d. ADDITIONAL AUTHORIZED INDIVIDUALS JUSTIFICATION

Eight (8) Authorized Individuals are included in the permit fees; if additional Authorized Individuals are required, then a Specific Amendment fee will be assessed as specified in Title 14, subsections 650(l) and 703(c), CCR, in addition to the permit fees. Provide justification below of why the proposed activities would need more than eight (8) Authorized Individuals. *Click "Add New Record" above to provide the same required information in Section 3c when more than eight persons are requested as Authorized Individuals.*

<Text Box>

3e. RELATED PERMITS

Are there any collaborators (Permitholders, and/or Principal Investigators or Authorized Individuals not listed above) with permits related to the work planned with this permit? If yes, provide their names and Permit IDs.

Yes No

FIRST NAME	LAST NAME	SC ID	AFFILIATION NAME	PERMIT ID

<Add New Record >

SECTION 4. SPECIFIC USE PERMIT INFORMATION

4a. PURPOSE OF PERMIT

For Section 4, provide all details to answer each question in the following fields. You may provide an attached study proposal or additional information in subsection 4f(10), but all information entered into each field in subsections 4a-4f must contain sufficient detail to be able to stand-alone for the evaluation of the application.

For subsection 4a, check the applicable purpose(s) and permit use subcategory(ies) below for this permit per Title 14, subsection 650(c), CCR. For "other" - specify in blank below any other activity that does not clearly fit into one of these categories.

<input type="checkbox"/> Science	<input type="checkbox"/> Education	<input type="checkbox"/> Propagation
<input type="checkbox"/> Research <input type="checkbox"/> Survey/ Inventory <input type="checkbox"/> Monitoring <input type="checkbox"/> Museum Collection <input type="checkbox"/> other (specify– e.g., restoration, etc.)	<input type="checkbox"/> Capture and release and/ or display of wildlife in the field (e.g., tidepools, school groups, field demonstrations, etc.) <input type="checkbox"/> Live display of releasable or non-releasable wildlife in captivity <input type="checkbox"/> Display of dead salvaged specimens <input type="checkbox"/> other – (specify – e.g., biological collection service, museum collection, etc.)	<input type="checkbox"/> Wild (<i>in situ</i>) – relocation, reintroduction or translocation <input type="checkbox"/> Captive (<i>ex situ</i>) <input type="checkbox"/> Short-distance movement - out of harm's way <input type="checkbox"/> other (specify – e.g., sacrifice of non-native species to enhance sustainability of native species, etc.)
<Other - Text Field>	<Other - Text Field>	<Other - Text Field>

4b. PERMIT INFORMATION

1) Permit Scope, Goals, and Objectives. Explain in detail the fundamental scope of the proposed study or planned undertaking for the permit. This includes relating the purpose(s) of your proposed study or planned undertaking to any research questions and/or hypotheses, goal(s) and objective(s) designed to carry out all requested activity(ies). A planned undertaking may consist of multiple studies and/or activities sharing a fundamental scope with unifying goals, and depending on the taxonomic groups, conservation status of the species, invasiveness of methods, procedures and locations proposed, may be grouped under a single permit (e.g., presence/absence or inventory surveys for terrestrial wildlife, possibly at one or more locations). Refer to Title 14, subsection 650(i)(2).

<Text Box>



2) Permit Need or Benefit. Justify the need and/or benefit of the proposed take of wildlife and activities for science, education, and/or propagation pursuant to Title 14, subsection 650(c), as follows:

- Scientific purpose: include the significance of the research, questions or hypotheses seeking to be addressed, and/or how your research would directly benefit the species or fulfill an important research, management, or other need. Pursuant to subsection 650(b)(23), research includes, but is not limited to, surveys or inventories to assess the potential for, or to monitor actual project impacts on wildlife resources (e.g., presence/absence surveys, or monitoring).
- Educational purpose: include the significance of the education or educational program, training, and/or benefit of instruction about the state’s natural resources.
- Propagation purpose: include the significance of propagation or sustainability benefit, *in situ* (or maintain in wild) or *ex situ* (captive outside the wild) breeding or rearing, possession of hatchery raised fish, ecosystem restoration benefits or population augmentation, and/or efforts to promote maintenance of biologically sustainable populations.

<Text Box>

3) Study or Planned Undertaking Timeframe: Indicate the timeframe for the entire study or period of planned undertaking, even if it extends beyond the duration of this permit (three years for Entity and Individual Permitholders; one year for Student Permitholders)- including all activities, and field and lab work.

Estimated Start Date:

<Date Picker>

Estimated End Date:

<Date Picker>

4c. BACKGROUND AND PAST FINDINGS

1) Identify pertinent background information, including survey protocols and a literature cited section, which supports the proposed study, activity(ies), or planned undertaking, or provide copies of any reports or publications from previous or similar research or activities conducted on the requested wildlife. When applicable, explain how the research will address questions not answered by earlier research. If not applicable, state “not applicable.”

<Text Box>

2) Discuss how any past findings have contributed to the body of knowledge on the subject and how they relate to your proposed goals and objectives, if applicable (required for permit renewals). If not applicable, state “not applicable.”

<Text Box>

3) Explain how your proposed activities relate to a larger series of projects or research plans (explain from subsection 3e of this application), if applicable. If not applicable, state “not applicable.”

<Text Box>

4) If there is an existing conservation strategy or management plan that relates to your proposed activities (e.g., USFWS recovery plans, California Species of Special Concern manuscripts, Department Fishery Management Plan), identify conservation actions, recovery tasks, research needs and/or monitoring recommendations, if applicable. Be sure to explain any permits or environmental documents checked in Section 5 of this application. If not applicable, state “not applicable.”

<Text Box>

4d. EXECUTIVE SUMMARY

1) Title. Provide a brief title for the study or planned undertaking that accurately represents the full scope of the proposed activity(ies) for the permit duration period. The title should identify the purpose, targeted wildlife taxonomic group(s) or species, and general location(s).

<Text Box>

2) Abstract. Provide a summary of the study or planned undertaking that includes the main goals and objectives or research question(s), species or taxonomic group(s), take and analysis methods, and general locations. Additional information, e.g. past findings, benefit or need, or relevant environmental documents or plans may be provided, but is not required.

<Text Box>



3) Public Information Release. Issued SCPs are public records, pursuant to Title 14, subsection 650(k), CCR, and through the Public Records Act. However, the Department requests Permitholders make their preferred contact information, and Executive Summary (Title and Abstract) available to interested parties to facilitate research communication and collaboration.

Note: Release is mandatory for applications requiring public notice: request of mountain lion, or pursuit of bobcat (Lynx rufus) or bear (Ursus americanus) with dogs, pursuant to Sections 4810 and 3960.4 of the Fish and Game Code.

Indicate your preference for the Department to display your preferred contact information and Executive Summary on the Department’s website. [] Yes [] No

4e. WILDLIFE TAXONOMIC GROUPS AND REVIEW PROGRAMS

Select the wildlife taxonomic group(s) that will be targeted for activity(ies) during the course of the proposed study or planned undertaking (subsection 4f(1a) below), and those that could be possible non-targeted (incidental) by-catch (subsection 4f(1b) below). The selected group(s) will determine which Department review program(s) the application will be routed to for review and approval.

Table with 3 columns: Terrestrial Wildlife, Inland Fisheries, Marine. Includes checkboxes for various groups like Terrestrial and Vernal Pool Invertebrates, Amphibians, Reptiles, Mammals, Birds, etc.

*Terrestrial Invertebrates: Refer to Title 14, subsections 650(i)(2) and 650(u)(5), CCR. Specific Use permits are required for intentional (targeted) take and/or possession of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting).

4f. REQUESTED ACTIVITIES

1) Wildlife Groups and Species:

a) Targeted Wildlife

Click “Add New Record” below, select the proposed targeted species, or if requesting at a taxonomic level other than species, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists. Provide the following information for each requested species, and/or taxonomic level(s).

Table with 6 columns: Species or Taxonomic Level, Species or Level (Common Name), Status, Life Stage, Sex, Origin. Includes dropdown menus and prepopulated text.

<Add New Record >

b) Non-Target Wildlife (Incidental By-catch):

Click “Add New Record” below, select the possible non-targeted (incidental by-catch) species; or if the species is unknown, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists, and provide the following information.

- The quantities expected to be encountered during activities (if unknown, select “0” and explain under “Details” why it is unknown); Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

Table with 5 columns: Species or Taxonomic Level, Species or Level (Common Name), Status, Quantities, Measures Minimizing Harm of Wildlife. Includes dropdown menus and prepopulated text.

<Add New Record >

c) Review of Species Information

I acknowledge that I, and any other person named or covered in this application as an Authorized Individual, have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species prior to conducting planned activity(ies). I/ we am/are aware certain sensitive species may be encountered in the area of my/our planned activities. If methods and locations authorized by this permit may result in take of CESA-listed, CESA-Candidate, or Fully Protected species, I will



contact the appropriate review program about whether I/we need a Memorandum of Understanding (MOU), pursuant to Fish and Game Code Section 2081(a), and/or Title 14, Section 670.7, CCR.

2) Proposed Take and/or Possession Activities:

Click “Add New Record” below, select the proposed take and/or possession activity from the drop down list and provide the following information per the requested specific species or taxonomic level(s). Additional Details may be provided to clarify and justify the requested Activity.

Activity	Disposition	Species or Taxonomic Level	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Text Box>

<Add New Record >

3) Proposed Take Methods:

Click “Add New Record” below, select the proposed method(s) from the drop down list and provide details for each proposed method used to capture or otherwise take the requested specific species or taxonomic level(s), and include the following information:

- The sampling season start and end date;
- The frequency of sampling;
- The quantities by life stage/age and sex of wildlife to be taken and/or possessed by that method (if unknown, select “0” and explain under “Details” why it is unknown); and
- The specifics of the methodology under “Details.”
 - protocols to be followed, as well as type, size and details of equipment to be used (e.g., net mesh size, whether traps are baited or not, number of passes per sampling, etc.); and
 - what measures will be employed to minimize incidental harm or death of wildlife, and describe how you will minimize risk to wildlife in deploying equipment, or during handling of target species or taxa (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

Take Method	Species or Taxonomic Level	Sampling Season Start Date	Sampling Season End Date	Sampling Frequency	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Date Picker>	<Date Picker>	<Dropdown List>	<Numeric>	<Text Box>

<Add New Record >

4) Proposed Procedures:

Will your proposed study require procedures to be performed on wildlife? Yes No

If yes, click “Add New Record” below, select the procedure from the drop down list, and provide the following information per the requested specific species, or taxonomic level(s):

- The quantities by life stage/age and sex of wildlife to undergo procedures or marking (if unknown, select “0” and explain under “Details” why it is unknown);
- The specifics of the procedure under “Details”:
 - protocols to be followed, as well as details (e.g., specific equipment, manner of conducting procedure, type of marking and placement on body, amount of sample collected, etc.); and
 - what measures will be employed to minimize incidental harm or death of wildlife, and describe how you will minimize risk to wildlife’s well-being during procedures or marking events.

Procedure	Species or Taxonomic Level	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Text Box>

<Add New Record >

5) Sacrifice of Wildlife:

Will your proposed study result in the death or removal of target or non-target wildlife from the wild? Yes No

If yes, click “Add New Record” below, and provide the following information per the requested specific species, or taxonomic level(s):

- The quantities by life stage/age, sex, and geographic area to be sacrificed (if unknown, select “0” and explain under “Details” why it is unknown);
- The specifics of the sacrifice under “Details”:
 - Justify the maximum number of individuals that would be killed or removed from the wild;
 - Describe means for which wildlife is sacrificed or humanely euthanized; and
 - Describe your attempts to obtain the wildlife specimens currently held in captivity (e.g., museums, rehabilitation centers, other Permitholders), or produced in captivity. You shall demonstrate conclusively that existing specimens are unavailable, or your research objectives require new/additional specimens.



Taxonomic Level or Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>

<Add New Record >

6) Captivity of Wildlife:

a) Will live wildlife be removed from the wild and held alive in captivity (“<i>ex situ</i>”), or will live wildlife be transferred into possession and held in captivity?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If yes, click “Add New Record,” select the Captivity Type from the drop down list below, and provide the following information:

- Attach under Section 4f(10) any related documents pertaining to captivity and/or captive breeding activities (e.g., IACUC plans, feasibility analyses, grant conditions, etc.), or relevant environmental documents or plans (Section 5 of this application).
- The quantities by life stage/age, sex (if unknown, select “0” and explain under “Details” why it is unknown);
- For each species you plan on holding in captivity, provide specifics of the captivity setting under “Details.”
 - Justify the maximum number of individuals that would be removed from the wild and/or held in captivity and geographic area(s) where wildlife are proposed to be removed from the wild;
 - The specific need and purpose of the proposed removal and/or captivity;
 - Location where individuals will be acquired from; and
 - The duration individuals will be held in captivity.

Terrestrial Wildlife Only:

- Consistent with Title 14, subsection 650(c), CCR, elements of conservation, biology, and/or ecology of California wildlife shall be included for education activities: describe the educational message that will be delivered and to what audience. Provide a detailed outline of your program, or attach brochures, or other materials prepared for distribution. Explain why live wildlife are necessary for the program, including how they will be used and displayed during the presentation to meet this need.
- Give a complete description of the holding area and/or holding facilities. Specify if individuals are held indoors or outdoors, climatic conditions, and accessibility to other wildlife, domestic animals, or to the public. Attach photographs or diagrams of enclosures with the length, width and height of each, description of interior and exterior construction materials, such as flooring and netting materials, and the species and number that are to be housed in each.
- Describe the diet for each species including the food source and how the diet will be administered. Describe how the animals will obtain fresh drinking or bathing water (specific devices/types to be used).
- Describe the transport containers for the animals, including dimensions (length, width, and height) and materials. Indicate the species and number that will be transported in each, and any methods to minimize harm or mortality from sustained vibration, temperature extremes, or elevation changes during transport.
- Describe all special elements (e.g., scratching posts, dust bath boxes, mineral licks), cover types for hiding, and any enriching elements/devices to be added to the cages to help animals relieve stress and move about and exercise.
- Attach details, protocols, or standard operating procedures that describe captive holding activities including biosecurity, disinfection and waste disposal, and animal health assessments.
- Describe all personnel responsible for providing day-to-day care for captive wildlife, and their qualifications to conduct such work.
- If individuals are to be held in permanent captivity, describe the quantities of individuals, and permanent holding facilities, if different from the temporary holding facilities for education or research programs.
- Describe how you will prevent successful reproduction from occurring. Captive breeding (see section below) of wildlife may only be authorized when specifically requested, and only as approved by the Department as part of a concerted conservation or recovery effort, and/or for justified scientific purposes. Captive breeding may occasionally be allowed for educational purposes when adequate justification is provided.

Captivity Type	Species	Quantities	Life Stage	Sex	Details
<Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>

<Add New Record >

Do you intend to sacrifice wildlife at the conclusion of the proposed study or program?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If yes, click “Add New Record” below, and provide the following information:

- The quantities of each species by life stage/age, sex (if unknown, select “0” and explain under “Details” why it is unknown) to be sacrificed; and
- The specifics of euthanasia methods and disposal, under “Details.”

Species	Quantities	Life Stage	Sex	Details
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<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>
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Do you intend to captive breed the requested wildlife? Yes No

If yes, click “Add New Record” below, and provide the following information:

- The quantities of each species by life stage/age, sex (if unknown, select “0” and explain under “Details” why it is unknown) to be captively bred; and
- For each species you plan on captive breeding, provide the specifics under “Details.”
 - List any published references for successful captive breeding of the species;
 - Describe the number of offspring expected to be produced, and the intended disposition; and
 - Outline all persons, and their roles in the captive breeding activity.

Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>

Do you intend to release organisms (or their offspring) back into the wild, if captively bred, or for other reasons? Yes No

If yes, click “Add New Record” below, provide the following information:

- The quantities of each species by life stage/age and sex of wildlife to be released back into the wild (if unknown, select “0” and explain under “Details” why it is unknown);
- For each species you plan on releasing back to the wild, provide the following under “Details”:
 - The location originally captured (if applicable), the location of the proposed release site, and location of holding facility;
 - Description of holding facility, and how long individuals will be held alive in captivity before being released into the wild, and describe why that time period was chosen;
 - Explain why it is in the best interest of the State and for the species, to return the organisms to the wild;
 - Describe how you will minimize risk of disease transmission during temporary captivity (i.e., including but not limited to, biosecurity measures, disinfection and cleaning procedures, waste disposal, health assessments); and
 - Explain the plan to minimize introduction of pathogens (virus, fungus, bacteria, and parasite) into the ecosystem or environment after release back into the wild.
 - Are the species proposed for release held in flow-through water or a closed system?
 - If individuals have been provided with food, please describe the food and whether it is being consumed?
 - What other species are held in the holding unit containing the species proposed for release? If there any non-native species held at the facility, address the following:
 - Provide details about what controls are in place to prevent cross contamination with non-natives.
 - Explain how staff and students are trained regarding the potential risks of non-native species introductions and facility holding practices.

Marine Only:

- Does any portion of the facility use flow-through seawater? If so, how is incoming water treated?

Terrestrial Wildlife Only:

- Attach additional protocols or standard operating procedures, if applicable, that describe release activities.
- Be advised, the Department may require written correspondence from qualified veterinary staff to verify the individuals have been examined and/or tested, as may be necessary and required by the Department, before transport and release is separately approved in writing.

Inland Fisheries Only:

- If fish are proposed to be moved to a different general location (finer scale), will you obtain approval from the Department’s Fish Health Lab?

Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>

<Add New Record >

b) Will live wildlife be relocated, translocated, or reintroduced (“in situ”)? Yes No

If yes, for each species intended to be retained or confined in a field setting, relocated, or translocated within the wild, or reintroduced from captivity, click “Add New Record” below, provide the following information per species requested to be relocated or translocated within the wild:

- Attach under Section 4f(10) any related documents pertaining to translocation activities, or relevant environmental documents or plans (Section 5 of this application).
- The quantities of each species by life stage/age and sex of wildlife to be retained or confined in a field setting, relocated, translocated within the wild, or reintroduced from captivity (if unknown, select “0” and explain under “Details” why it is unknown)
- The specifics of the relocation, reintroduction or translocation within the wild under “Details”:



- List the source counties and specific location(s) from which wildlife was, or is proposed to be taken, and the final release location(s);
- Describe how organisms will be monitored after release back into the wild, and
- Describe how you will minimize risk of disease transmission during temporary captivity, and relocation, reintroduction, or translocation efforts.

Terrestrial Wildlife Only:

- Be advised, the Department may require written correspondence from qualified veterinary staff to verify the individuals have been examined and/or tested, as may be necessary and required by the Department, before transport and release is separately approved in writing.

Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>

<Add New Record >

7) Geographic Locations and Description:

For specific species or taxonomic level(s) and/or activity requested, click “Add New Record” below, and select the county(ies) or other geographic area(s) from the drop down list(s) in which you plan to conduct activity(ies) for the duration of the permit. To help expedite permit review, provide the specific location(s) of study area(s) of the proposed activities, when known. When specific county(ies) or other geographic areas are not known at the time of application, indicate if planned activities are statewide, or range-wide for a species (e.g., if planning to conduct surveys on a contract basis in the future, such as presence/absence surveys, county(ies) and/or specific locations may be provided later, and you may be required to submit an application for a Specific Amendment). For each specific location or study area, provide the following specifics, including justification, and the finest scale location description possible under “Details”:

- If your request is for aquatic species, identify the aquatic system(s) and provide: the Hydrologic Unit Code (HUC 8 Watershed #), inland stream/ waterbody name (include begin and end river miles, when known), and/or other inland water (e.g., reservoir, lake names).
- Provide any identifying property designations (i.e., land ownership) and/or geographic coordinates (i.e., latitude, longitude, and datum) that will precisely place the location of the proposed activity site(s).
- If you propose to work in a Marine Protected Area (MPA), Marine Managed Area (MMA), Wildlife Area (WA) or Ecological Reserve (ER), provide the name and justify:
 - Why collection is required within an MPA, MMA, WA, or ER and provide justification for why it cannot be conducted outside of an MPA;
 - Why the proposed methods are appropriate for this activity; and
 - Describe the frequency of the proposed activity per sampling area.

Geographic Area	Species or Taxonomic Level	County	Land Ownership	Waters	MPA or other Managed Area	Habitats	Details
	<Filtered Dropdown List>	<Dropdown List>	<Dropdown List>	<Dropdown List>	<Dropdown List>	<Filtered Dropdown List>	<Text Box>

<Add New Record >

(Optional) If point or centroid of polygon (e.g., weir, mist-net location or sampling area) Click “Add New Record” below, enter the specific details, if known, for each specific location requested.

Latitude	Longitude	Datum (WGS 84, NAD 83 preferred)
		<Dropdown List>

<Add New Record >

8) Disposition Location of Wildlife Specimens and/or Parts

For each Proposed Disposition Location, click “Add New Record” below, and enter the Name and address of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited.

Location Type	Name	Street Address	City	State	Zip
<Dropdown List>					

<Add New Record >

9) Role of Proposed Authorized Individuals

For each proposed Authorized Individual, click “Add New Record” below, select the SC ID of the Authorized Individual from the drop down list who will work independently on the permit. In the “Role Details” field, explain the role the individual will provide for the study or planned undertaking, including: species and/or taxonomic group(s), take and/or possession activities, methods, procedures and general locations the individual will be working in.



SC ID	First Name	Last Name	Role Details
<Filtered Dropdown List from Section 3c>	<Prepopulated via SC ID>	<Prepopulated via SC ID>	<Text Box>
<Add New Record >			
10) Attach Additional Supporting Documents			
To attach additional supporting documents (e.g., copies of federal or other permits or applications for such permits, or study proposal in scientific format, literature cited, relevant protocols or other information requested in this application), click "Upload Attachment."			
<Upload Attachment >			



SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMENTS

5a. FEDERAL PERMITS

Do you currently hold/ are named on, have applied for, or will apply for a federal permit pertinent to your requested activities?
 Select all that apply, and attach copies of permits, or applications.

Yes
 No

<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Native Endangered and Threatened Species Recovery Permit – U.S. Fish and Wildlife Service Permit No(s):	<input type="checkbox"/> Bird Banding Permit – U.S. Geological Survey Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Scientific Research Permit – National Oceanic and Atmospheric Administration, Fisheries (NMFS) Permit No(s):	<input type="checkbox"/> Migratory Bird Permit – U.S. Fish and Wildlife Service Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 4(d) rule – Research Permit No(s):	<input type="checkbox"/> Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife Refuge, etc.) Type and Permit No.(s):

5b. STATE PERMITS

Do you currently hold, or are named on, or have applied for, or will apply for a state permit pertinent to your requested activities?
 Select all that apply, and attach copies of permits or applications.

Yes
 No

<input type="checkbox"/> California Endangered Species Act and/or Fully Protected Species Research MOU(s) – Department Permit or MOU Names or No.(s):	Common name(s) (<i>Scientific name</i>)
<input type="checkbox"/> Scientific Research and Collecting Permits – CA State Parks Permit No(s):	<input type="checkbox"/> Other (e.g., California Dept. of Food and Agriculture) Type and Permit No.(s):

5c. RELEVANT ENVIRONMENTAL DOCUMENTS

Are you proposing to conduct activities to meet requirements of an environmental plan or document, or to meet other environmental compliance required by law? Select all that may apply, and provide the name and date of the document(s), if applicable.

Yes
 No

<input type="checkbox"/> Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion	<input type="checkbox"/> Federal Hydropower Licensing (Federal Energy Regulatory Commission)
<input type="checkbox"/> Renewable Energy (i.e., wind, solar, etc.)	<input type="checkbox"/> California Environmental Quality Act
<input type="checkbox"/> National Environmental Policy Act	<input type="checkbox"/> Fish Restoration Grants Program
<input type="checkbox"/> Natural Community Conservation Plan	<input type="checkbox"/> Lake and Streambed Alteration Agreement
<input type="checkbox"/> Hatchery, or Department Fishery Management Plan	<input type="checkbox"/> Water Operations (U.S. Bureau of Reclamation, California Dept. of Water Resources, Interagency Ecological Program, etc.)



Other

SECTION 6. APPLICATION CERTIFICATION

In signing this application, the applicant to serve as a Permitholder, or to serve as the Executive Signatory (for an Entity permit), and any requested Authorized Individuals agree to the following:

“I certify that the information submitted in this application is complete and accurate to the best of my knowledge and belief. I understand that if I fail to provide required information, my permit may be denied. I further certify I have read, understand, and agree to abide the applicable provisions of the Fish and Game Code, and Title 14, Section 650, CCR, and will abide by all the conditions and attachments of the issued permit. I certify that I am not currently under any Department of Fish and Wildlife license or permit revocation or suspension, and there are no other legal or administrative proceedings pending that may disqualify me from obtaining this permit or any amendments. I understand that any false statement herein may make this permit void and subject me to suspension or revocation of this permit pursuant to Title 14, Section 650, CCR, and to the criminal penalties set forth in Fish and Game Code Section 12002. I further understand I am responsible for ensuring all persons working under this permit will be adequately supervised, and comply with the requirements noted above.”

APPLICANT SIGNATURE

DATE

X



INSTRUCTIONS FOR THE SPECIFIC USE APPLICATION

Aside from reading these instructions, it is also important that you read Title 14, Section 650, California Code of Regulations (CCR), permit descriptions, and Standard Conditions for All Scientific Collecting Permits (SCPs) (form DFW 1379d), so that you have a thorough understanding of the requirements (available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>). Additional State and Federal permits may be required, and your application may be deemed incomplete if copies of these permits are not submitted with the SCP Specific Use Permit Application. **All Sections of the application are required, unless otherwise indicated.**

COMPLETING THE APPLICATION

Pursuant to Title 14, subsection 650(e), CCR, application forms are available on the department's internet web site: www.wildlife.ca.gov. Applications shall be submitted in an electronic format when available; no handwritten applications shall be accepted. Name(s) of all persons listed on the permit application shall match those on government-issued identification. Failure to answer any questions fully, or failure to submit any required information, or the proper application fee, may delay the processing of your application, or result in denial of the application. **The Department will determine if an application is complete within 40 calendar days.** Once the application is determined to be complete, the Department will approve or deny the application within 60 calendar days, notwithstanding certain pending permits that require notification to the public. Therefore, please allow a minimum of 12 weeks for processing an application. Applications are processed in the order received.

APPLICANTS RENEWING AN SCP SHALL ALSO: Enclose or submit via e-mail a completed Mandatory Wildlife Report (DFW 1379a) and any additional reports required by their previous SCP. See "Reporting Requirements" below.

Section 1 – Permit Request: Select the type of application request, New or Renewal.

Section 2 – Permitholder Information: Select the type of Permitholder you are applying as.

2a Entity – An "Entity Permit" may be issued to an eligible entity in the name of the entity as the Permitholder. The Entity is the Permitholder, while the Executive Signatory is the principal officer or responsible party for the permit, and who designates a Principal Investigator. The Executive Signatory and the Principal Investigator may be the same person.

2b Individual – An "Individual Permit" may be issued in the name of an eligible person who acts as both the Permitholder and Principal Investigator, and that person is responsible for overseeing all activities conducted under the permit.

2c Student – A "Student Permit" may be issued in the name of a student. The Student acts as the Permitholder; however, one faculty member affiliated with their college or university shall act as a Student Sponsor if applying as a student. Student Permits are valid for one year, and only allow the Student Permitholder to work independently. Students may also apply as an Entity or Individual Permitholder (valid for three years, and with payment of Individual and Entity fees), and may then adequately supervise a LAI.

Section 3 – Qualifications and Proposed List of Authorized Individuals

3a Required Qualifications – Prepare and submit required qualifications for all persons requesting to be named on the List of Authorized Individuals (Not applicable for applicants as Student Permitholders). Attach Statements of Qualifications, and Resumes or *curriculum vitae*.

3b Principal Investigator – Fill in the information for the Principal Investigator (Entity and Individual permits only). Complete the required information for the person proposed to work as the Principal Investigator (PI) for an Entity permit. Attach the Required Qualifications. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of the original permit, complete the required information below, including Required Qualifications from Section 3a of this application. The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the List of Authorized Individuals (LAI).

3c List of Authorized Individuals – Fill in all information for up to eight (8) persons, aside from the PI may be requested to be named on the LAI, included with the permit fees (refer to Title 14, subsection 650(j), CCR). Up to eight (8) Authorized Individuals, aside from the PI, may be requested with the permit fees; however, see Section 3d). Complete the required information for each person proposed to work independently under the Principal Investigator (PI). Attach the Required Qualifications for each proposed Authorized Individual. If no persons are requested to work as Authorized Individuals, skip to Section 4.

3d Additional Authorized Individuals Justification – Eight (8) Authorized Individuals are included in the permit fees; if additional Authorized Individuals are required, then a Specific Amendment fee will be assessed as specified in Title 14, subsections 650(l) and 703(c), CCR. Justify why the proposed activities would need more than eight Authorized



Individuals. *Provide the same required information in Section 3c if more than eight persons are requested as Authorized Individuals.*

3e Related Permits – Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed) with permits related to the work planned in this permit? If yes, provide information for each.

Section 4 – Specific Use Permit Information – Specific Use permits may be issued for wildlife and species, activities, and methods that may or may not otherwise be authorized under Authorizations of a General Use permit (see DFW 1379GW, DFW 1379GF, DFW 1379GM). Describe details of all of your requested activities in this section. Attach additional documents if necessary. For Section 4, provide all details to answer each question in the following fields. You may provide an attached study proposal or additional information in subsection 4f(10), but all information entered into each field in subsections 4a-4f shall contain sufficient detail to be able to stand-alone for the evaluation of the application.

4a Purpose of Permit For subsection 4a, check the applicable purpose(s) and permit use subcategory(ies) below for this permit per Title 14, subsection 650(c), CCR. For “other” - specify in blank below any other activity that does not clearly fit into one of these categories.

4b Study Information

- 1) **Permit Scope, Goals, and Objectives.** In detail, explain the fundamental scope of the proposed study or planned undertaking. This includes relating the purpose(s) of your proposed study or planned undertaking to any research questions and/or hypotheses, goal(s) and objective(s) designed to carry out all requested activity(ies). A planned undertaking may consist of multiple studies and/or activities sharing a fundamental scope with unifying goals and objectives, and depending on the conservation status of the species, invasiveness of methods, procedures and locations proposed, may be grouped under a single permit (e.g., presence/absence or inventory surveys for terrestrial wildlife, possibly at one or more locations). Refer to Title 14, subsection 650(i)(2).
- 2) **Permit Need or Benefit.** Justify the need and/or benefit of the proposed take of wildlife and activities for science, education, and/or propagation.
- 3) **Study or Planned Undertaking Timeframe:** Provide the approximate timeframe for the entire study or proposed undertaking. Indicate the timeframe for the entire study period, even if it extends beyond the duration of this permit (three years for Entity and Individual Permitholders; one year for Student Permitholders) including all activities, and field and lab work.

4c Background and Past Findings (complete each question, as applicable)

- 1) Identify pertinent background information, including survey protocols and a literature cited section, which supports the proposed study or planned undertaking (e.g., presence/absence surveys), or provide copies of any reports or publications from previous or similar research or activities conducted on the requested wildlife. When applicable, address how the research will answer questions not answered by earlier research.
- 2) Describe how any past findings have contributed to the body of knowledge on the subject and how they relate to your proposed goals and objectives, if applicable (required for permit renewals).
- 3) Explain how your proposed activities relate to a larger series of projects or research plans (explain from Section 3e of this application), if applicable.
- 4) If there is an existing conservation strategy or management plan that relates to proposed activities (e.g., USFWS recovery plans, California Species of Special Concern manuscripts), identify conservation actions, recovery tasks, research needs and/or monitoring recommendations, if applicable. Be sure to explain any permits or environmental documents listed in Section 5 of this application.

4d. Executive Summary

- 1) **Title:** Provide a brief title for the study or planned undertaking that accurately represents the full scope of the proposed activity(ies) for the permit duration period. The title should identify the purpose, targeted taxonomic group(s) or species, and general location(s).
- 2) **Abstract:** Provide a summary of the study or planned undertaking that includes the main goals and objectives or research question(s), species or taxonomic group(s), take and analysis methods, and general locations. Additional information, e.g. past findings, benefit or need, or relevant conservation or environmental documents may be provided, but is not required.
- 3) **Public Information Release:** Issued SCPs are public records, pursuant to Title 14, subsection 650(k), CCR, and through the Public Records Act. However, the Department requests Permitholders make their preferred contact information, and Executive Summary (Title and Abstract) available to interested parties to facilitate research



communication and collaboration. Release is mandatory for applications requiring public notice: request of mountain lion, or pursuit of bobcat (*Lynx rufus*) or bear (*Ursus americanus*) with dogs, pursuant to Sections 4810 and 3960.4 of the Fish and Game Code.

4e. Wildlife Taxonomic Groups and Review Programs

Select the wildlife taxonomic group(s) that will be targeted for activity(ies) during the course of the study or planned undertaking (subsection 4f(1a)), and that could be possible non-targeted (incidental by-catch) (subsection 4f(1b)). The selected group(s) will determine which Department review program(s) the application will be routed to for review and approval.

4f. Requested Take Activities

1) Wildlife Groups and Species:

- a. **Targeted Species:** Select the proposed targeted species, or if requesting at a taxonomic level other than species, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists.

Note: The Department has designated certain special status animals and taxonomic groups as “Prohibited Wildlife,” and only a Specific Use Permit may be used to authorize intentional take of those wildlife species. The Department periodically publishes reports identifying the wildlife species (beyond those already designated as State- and federally-listed threatened or endangered) that represent our highest conservation priorities and draw attention to species in need of conservation action. Species assessments are based on population trends, threats, distribution, abundance, habitat and ecological considerations, and include recommendations and priorities for research, management and monitoring. A species’ status as California Species of Special Concern (SSC), California Terrestrial and Vernal Pool Invertebrates of Conservation Priority and other Prohibited Wildlife is a factor considered during the application review process. More information on California SSCs can be viewed at the Department’s website, or: <https://www.wildlife.ca.gov/Conservation/SSC>.

- b. **Non-Targeted Species (Incidental By-catch):** Select the possible non-targeted (incidental by-catch) species, or if the species is unknown, select the proposed lowest level(s) of taxonomic group(s), from the drop down lists and identify the estimated quantities expected to be encountered during activities. Describe what measures will be employed to minimize incidental harm or death of all captured wildlife.
 - c. **Review of Species Information:** Check the box to acknowledge that you have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species.
- 2) **Proposed Take and/or Possession Activities:** Select the proposed take and/or possession activity from the drop down list and provide the required information per the requested specific species or taxonomic level(s). Additional Details may be provided to clarify and justify the requested Activity.
 - 3) **Proposed Take Methods:** Select the proposed method(s) from the drop down list and provide details for each proposed method used to capture or otherwise take the requested specific species or taxonomic level(s) and include all required information.
 - 4) **Proposed Procedures:** Select the procedure from the drop down list, and provide the required information per the requested specific species or taxonomic level(s).
 - 5) **Sacrifice of Wildlife:** If your proposed study will result in the death or removal of target or non-target wildlife from the wild, select the species from the drop down list, and provide the following information per the requested specific species or taxonomic level(s).
 - 6) **Captivity of Wildlife:** If live wildlife be removed from the wild and/or held alive in captivity, select the Captivity Type from the drop down list, and select the species from the drop down list and provide all the required information. Several questions follow that may only be applicable to wildlife taxonomic groups or species that fall under the review of one review program.
 - a. **Will live wildlife be removed from the wild and held alive in captivity (“*ex situ*”), or will wildlife be transferred into possession and held in captivity?** Answers to the following questions are required: Do you intend to sacrifice wildlife at the conclusion of the proposed study or program? Do you intend to captive breed the requested wildlife? Do you intend to release animals (or their offspring) back into the wild, if captively bred, or for other reasons? Answer the appropriate question(s) depending on the review program from which you are seeking **Captivity**.



- b. **Will live wildlife be relocated, reintroduced, or translocated (“in situ”)?** For each species intended to be relocated, reintroduced, or translocated within the wild, provide the required information per species requested to be relocated or translocated within the wild.
- 7) **Geographic Location and Description:** For specific species or taxonomic level(s) and/or activity requested, click “Add New Record” below, and select the county(ies) or other geographic area(s) from the drop down list(s) in which you plan to conduct activity(ies) for the duration of the permit. To help expedite permit review, provide the specific location(s) of study area(s) of the proposed activities, when known. When specific county(ies) or other geographic areas are not known at the time of application, indicate if planned activities are statewide, or range-wide for a species (e.g., if planning to conduct surveys on a contract basis in the future, such as presence/absence surveys, county(ies) and/or specific locations may be provided later, and you may be required to submit an application for a Specific Amendment). For each specific location or study area, provide the following specifics, including justification, and the finest scale location description possible under “Details.”
- 8) **Disposition Location of Wildlife Specimens, and/or Parts:** For each Proposed Disposition Location, click “Add New Record” below, and enter the Name and address of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited. Several questions follow that may only be applicable to wildlife taxonomic groups or species that fall under the review of one review program.
- 9) **Role of Proposed Authorized Individuals:** For each proposed Authorized Individual, select the SC ID of the Authorized Individual from the drop down list who will work independently on the permit. In the “Role Details” field, explain the role the individual will provide for the study or planned undertaking, to include: species and/or taxonomic group(s), activities, methods, procedures and general locations the individual will be working in.
- 10) **Attach Additional Supporting Documents:** To attach additional supporting documents (e.g., copies of Federal or other permits or applications for such permits, or study proposal in scientific format, literature cited, relevant protocols or other information requested in this application), click “Upload Attachment.”

Section 5 – Other Permits and Environmental Documents Provide a complete copy of current federal and State permit(s), or applications for such permits, and any other written State authorizations, such as a current MOU, if applicable.

Section 6 – Application Certification• Verify all fields are complete and required documents are attached, sign (electronically) and date.

REPORTING REQUIREMENTS

The Mandatory Wildlife Report (form DFW 1379a), or “Report” is required for every General and Specific Use level permit. Each permit may have slightly different timeframes for frequency of submission of the Report, so check permit Authorizations and/or conditions for details on submission frequency and timing. The report form is available with separate instructions at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting> in a fill and save format. Upon completion of the electronic report, send it to the correct contact listed in your permit conditions. If no contact is specified in your permit conditions, send the report to SCPermits@wildlife.ca.gov. Any other report format required pursuant to Title 14, subsection 650(p)(2), and specified in the conditions of your SCP shall also be submitted by the specified timeframes. See also Standard Conditions for all Scientific Collecting Permits (form DFW 1379d), Standard Conditions G and I for more reporting guidance.

PAYMENT POLICY

The Department accepts cashier’s checks, money orders, personal or business checks,* or credit cards.** If a receipt for payment is needed before the amendment is issued, please notify the Department when the application form is submitted. The application fee is non-refundable for all permit categories and types. Application fees shall be submitted with an application, and the permit fee is due within 60 calendar days upon after notice of permit approval, or the Department may refuse to issue the permit, and may change the approval into a denial. Before or upon approval of your application, the permit fee shall be paid before issuance of your approved SCP – refer to Title 14, subsection 703(c), CCR for details.

***Personal or business checks** will be accepted by the Department if a name and address are imprinted on the check. A check returned to the Department due to insufficient funds will render your permit invalid. The Department may also deny the issuance or renewal of any permit if a person has failed to reimburse the Department for the amount due. Make checks payable to the Department of Fish and Wildlife.

****Credit Cards** – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>.

Cash can no longer be accepted at Department offices as of January 1, 2017.

NOTICE



Disclosure Statement - Under Section 650, Title 14, of the CCR, the Department is authorized to collect information from applicants to maintain a record of licensure. Under Fish and Game Code Section 391, personal information submitted on this application may be released for law enforcement purposes, pursuant to court order, or for official natural resources management purposes, or as may otherwise be required under the California Public Records Act. Issued SCPs are public records, and their related applications may be subject to public disclosure under the California Public Records Act, or other applicable law. People with concerns about records being released to the public should contact CDFW before submitting an application.

A licensee or Permitholder may obtain a copy of his/her license records maintained by the Department by submitting a written request to the Custodian of Records, Department of Fish and Wildlife, License and Revenue Branch, 1740 N. Market Blvd., Sacramento, CA 95834 or lrb@wildlife.ca.gov. All requests shall include the requestor's name, address, and telephone number.



IMPORTANT: Read Title 14, Section 650, California Code of Regulations (CCR), as well as all instructions (last section of this form), permit descriptions, and all Standard Conditions for Scientific Collecting Permits (SCP), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>. Complete applicable sections of this form for the amendment or change requested.

SECTION 1. AMENDMENT REQUEST

Permit ID to Amend

Amendment Summary: Select the section(s) of the permit this amendment applies to:

Change Principal Investigator (**complete Section 3b** of this form). (N/A FOR INDIVIDUAL OR STUDENT PERMITHOLDERS)
The Executive Signatory requests a PI, who must meet Required Qualifications summarized in Section 3a, a change that applies to all Authorizations.

Amend the List of Authorized Individuals (**complete Section 3c** of this form). (N/A FOR STUDENT PERMITHOLDERS)

Add New Authorization(s)

Add New Authorization W1 – W6 (complete Section 4c of this form) (select all that apply). <i>For Individual and Entity Permits, the PI approved in Section 3b of the permit must meet Required Qualifications summarized in Section 3a to add the selected Authorization. Student Permitholders must also meet Required Qualifications.</i>	W1	W2	W3	W4	W5	W6
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate if the request to add new Authorization(s) includes changes to General Use Permit Information - (select all that apply):

Purpose of Permit (Section 4a):	<input type="checkbox"/> Amend	<input type="checkbox"/> No Changes	Justification of Use (Section 4b):	<input type="checkbox"/> Amend	<input type="checkbox"/> No Changes
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Amend List of Authorized Individuals per Authorization (N/A FOR STUDENT PERMITHOLDERS)

Amend the List of Authorized Individuals for existing or new Authorization(s) W1 – W6 (complete Section 4c of this form) (select all that apply). Up to eight (8) Authorized Individuals from Section 3c may be assigned to an Authorization.	W1	W2	W3	W4	W5	W6
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reporting Requirements Principal Investigators and Student Permitholders shall report wildlife taken and/or possessed either within 30 days following the expiration of the permit, upon submitting a renewal application, whichever comes first, or as required by the Authorizations or conditions of the permit (refer to Title 14, subsection 650(p), CCR for reporting requirements). Failure to submit required reports shall result in revocation of an existing permit, and may result in denial of subsequent applications by that Permitholder, or denial of future approval as a Permitholder or Authorized Individual on other permits, pursuant to Title 14, subsections 650(p) and 650(r), CCR.

Amendment Fees:

Fees exclude a nonrefundable three percent (3%) application fee, not to exceed \$7.50 per item (Section 700.4, Title 14, CCR).

	Individual or Entity	Student
Amendment Fee (nonrefundable and submitted with amendment application)	\$61.04	\$25.00

SECTION 3. QUALIFICATIONS AND PROPOSED LIST OF AUTHORIZED INDIVIDUALS

3a. Required Qualifications

The following information is required for all persons requested in the application to independently conduct permitted activities, conduct a portion of the permitted activities, or be named on the permit as an Authorized Individual (refer to Title 14, subsection 650(h) CCR):

- 1. Statement of Qualifications (SOQ):** A statement of qualifications that quantifies and describes experience with requested wildlife and/or similar wildlife. The statement of qualifications shall include approximate number of hours of focused activity in occupied habitat, as well as the approximate number of hours conducting the proposed activities, capture methods, and procedures for each requested wildlife species, wildlife taxonomic group, or similar wildlife taxon, locations and dates experience was obtained, and the name(s) of persons who provided training, any relevant survey, or hands-on training, or experience, and for Principal Investigators only, how responsibilities under subsection 650(b)(19) are met;
- 2. Resume or curriculum vitae:** A resume or *curriculum vitae* that describes the educational background and wildlife-related experience, including a list of any relevant publications; and
- 3. References:** Except for Student Permitholders, current contact information (indicated below) for two (2) references (for example, other Permitholders or experts) who can verify the applicant’s experience with requested wildlife.

3b. Principal Investigator (PI) (ONLY APPLICABLE FOR ENTITY PERMITHOLDERS)

The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the permit - refer to Title 14, subsection 650(f), CCR. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of the original permit, complete the required information below, including Required Qualifications from Section 3a of this application.



SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
PI PREFERRED MAILING ADDRESS (FOR SCP CORRESPONDENCE)				
CITY			STATE	ZIP CODE
AFFILIATION'S NAME (if applicable)				
AFFILIATION'S ADDRESS				
CITY			STATE	ZIP CODE
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)				

3c. PROPOSED LIST OF AUTHORIZED INDIVIDUALS (LAI) (NOT APPLICABLE FOR STUDENT PERMITHOLDERS)

Complete the required information below for each person proposed to work independently under the PI. A maximum of eight (8) Authorized Individuals, aside from the PI, may be requested for each Authorization with the General Use Amendment fee (refer to Title 14, subsection 650(l), CCR, and Section 4 of this application), but only eight (8) may be approved per Authorization at any given time. Attach the Required Qualifications for each Authorized Individual (refer to Section 3a of this application). If no persons are requested as Authorized Individuals, skip to Section 4 of this application.

Total No. Authorized Individuals requested:

SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
E-MAIL ADDRESS			PREFERRED TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	



PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<Add New Record> Select to provide the same required information for each person requested as an Authorized Individual			

3d. RELATED PERMITS				
Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed above) with permits related to the work planned with this amendment? If yes, provide the following information.			<input type="checkbox"/> Yes	<input type="checkbox"/> No
FIRST NAME	LAST NAME	AFFILIATION NAME	PERMIT ID	
<Add New Record>				



SECTION 4. GENERAL USE PERMIT INFORMATION – TERRESTRIAL WILDLIFE

The Terrestrial Wildlife program reviews applications for terrestrial and vernal pool invertebrates*, amphibians, reptiles, mammals, and birds.

Purpose and Activities: Conducting surveys and monitoring which involve capturing, handling, measuring, and releasing an unlimited number of terrestrial wildlife only for the purpose of identification and documentation for educational, scientific and select propagation purposes throughout California (see Authorizations below for specified methods). Certain methods of non-invasive marking, sacrifice of some invertebrates, sacrifice of non-native wildlife, as well as salvage may be allowed.

Note: A Terrestrial Wildlife General Use SCP is required to take and/or possess terrestrial invertebrates that occur only in vernal pools, or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish. A General Use would cover non-routine incidental by-catch or other take of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list List (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>) during the course of field activities that are otherwise exempt from a permit, in accordance with Title 14, subsections 650(i)(D) and 650(u)(5), CCR.*

*Refer to your permit conditions. If incidental by-catch or other take of the Prohibited Wildlife under each of the Authorizations (W1-W5) becomes routine, even during the course of field activities that are otherwise exempt from a permit in accordance with Title 14, subsection 650(u)(5), contact the Terrestrial Wildlife review program lead to determine if you may need to amend your General Use permit for a particular Authorization, or you should apply for a Specific Use permit, and/or a research MOU.

4a. PURPOSE OF PERMIT

Check the applicable purposes and permit use below which you are requesting to amend pursuant to Title 14, Section 650(c), CCR. For “other” - specify in blank below another activity that does not clearly fit into one of these categories.

<input type="checkbox"/> Science	<input type="checkbox"/> Education	<input type="checkbox"/> Propagation
<input type="checkbox"/> Research <input type="checkbox"/> Survey/ Inventory <input type="checkbox"/> Monitoring <input type="checkbox"/> Museum Collection – (e.g., salvage for specimens, etc.) <input type="checkbox"/> other (specify – e.g., restoration, etc.)	<input type="checkbox"/> Capture and release and/ or display of wild animals in the field (e.g., school groups, field demonstrations, etc.) <input type="checkbox"/> Display of dead salvaged specimens <input type="checkbox"/> other - (specify – e.g., biological collection service, museum or teaching collection, etc.)	<input type="checkbox"/> Short-distance movement out of harm’s way <input type="checkbox"/> other (specify – e.g., sacrifice of non-native species to enhance sustainability of native species)
<Other - Text Field>	<Other - Text Field>	<Other - Text Field>

4b. JUSTIFICATION OF USE:

Use the space below to summarize your amended wildlife and activities. It is not necessary to identify each study or research project, if not known at the time of application, but you should describe:

- What counties, or any specific locales it is anticipated activities under a permit will occur in (e.g., federal, state, local or private lands);
- What types of work or activities are expected to be conducted (e.g., research, surveys and monitoring for gathering presence/absence information for environmental documents or permits required by law, educational field trainings or demonstrations; salvage);
- Information about any study(ies) or project(s) collaborated on with other researchers; and
- If applicable, what species are being targeted, or what species could be encountered with authorized methods, if known.

<Text Box>

Review of Species Information

I acknowledge that I, and any other person named or covered in this application as an Authorized Individual, have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species prior to conducting planned activity(ies). If we am/are aware certain sensitive species may be encountered in the area of my/our planned activities. If methods and locations authorized by this permit may result in take of CESA-listed, CESA-Candidate, or Fully Protected species, I will contact the appropriate review program about whether I/we need a Memorandum of Understanding (MOU), pursuant to Fish and Game Code Section 2081(a), and/or Title 14, Section 670.7, CCR.

4c. TERRESTRIAL WILDLIFE AUTHORIZATIONS

Select one or more of the following Terrestrial Wildlife Authorizations (**W1-W6**) by checking each taxonomic group applicable to your purpose and justification provided. Enter the PI (Section 3b, required) and/or proposed Authorized Individuals (Section 3c, if applicable) proposed to work under each selected Authorization. The PI, plus a maximum of any eight (8) Authorized Individuals, may be requested for each Authorization, but only eight (8) may be approved per Authorization at any given time. The same Authorized Individuals may be requested for



all Authorizations. The Terrestrial Wildlife review program may approve or deny the PI, and any Authorized Individuals for that Authorization, and may alter the Authorization’s LAI based on review of Required Qualifications submitted.

Authorized Individuals (and any unnamed Field Assistants) conducting activities under an issued Terrestrial Wildlife General Use Permit shall adhere to the following:

- All Standard Conditions for Scientific Collecting Permits;
- All captured wildlife will be released alive and unharmed at the site of capture, except as specifically authorized, and may not otherwise be removed from the wild; except for invertebrate voucher specimens, invasive or detrimental animals authorized for sacrifice, and animals incidentally injured or killed during permitted activities;
- Intentional take or possession of animals that are federally-listed as Threatened or Endangered species, and intentional take of State-listed Threatened, Endangered, Candidate, and Fully Protected, or other Prohibited Wildlife will not be authorized. If any of these species are incidentally captured they shall be immediately released without further handling;
- **Reporting:** Notwithstanding subsection 650(p) for form DFW 1379a (Mandatory Wildlife Report), reporting will be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance.
- All conditions from one or more of your selected wildlife group(s) below that match your justification in Section 4b.

Terrestrial & Vernal Pool Invertebrates (W1)

Terrestrial and vernal pool invertebrates may be taken in accordance with the restrictions below.

Wildlife and Activities: Terrestrial and vernal pool invertebrates that occur in vernal pools, or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish, may be captured, handled, and released. Limited sacrifice of vernal pool invertebrate voucher specimens is authorized only as needed for identification. Vernal pool invertebrates incidentally killed during capture activities may be salvaged. Invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list ~~List~~ (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>) may be taken as by-catch incidentally (capture, handle and release) during the course of field activities that are otherwise exempt from needing a permit (pursuant to Title 14, subsection 650(u)(5), CCR) or during the course of permitted field activities.

Prohibited Wildlife: The following invertebrates shall not be targeted, and if incidentally captured shall be immediately released without further handling*:

- State- and federally-listed Threatened and Endangered, and State-designated candidate invertebrates.
- California Terrestrial and Vernal Pool Invertebrates of Conservation Priority, (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>).

Methods and Equipment: hand and net, or other capture methods may be used which minimize potential incidental take of Prohibited Wildlife.

Limit and Disposition: Survey by capture, handle, and release of non-prohibited vernal pool invertebrates – unlimited. Limited sacrifice of native or non-native, non-prohibited vernal pool invertebrates for voucher specimens is authorized only as needed for identification – not to exceed 10% of a local population. All salvaged or sacrificed specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within 12 months of acquisition, or as soon as reasonably possible.

Locations: Throughout California.

Additional conditions for terrestrial and vernal pool invertebrates may be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance. *Any invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list ~~List~~ that are incidentally taken as by-catch during the course of field activities that are otherwise exempt from a permit (Title 14, subsection 650(u)(5), CCR), or during the course of permitted field activities, shall be reported to the Department pursuant to Title 14, subsection 650(p)(2), CCR.

W1 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W1 Measures Minimizing Harm of Wildlife:



Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Amphibians (W2)

Adult and larval amphibians may be taken in accordance with the restrictions below.

Wildlife and Activities: Amphibians may be captured, handled, measured, marked, and released. Non-native amphibians from the Orders Anura and Caudata incidentally encountered during field activities may be captured and sacrificed. Amphibians incidentally killed during capture activities may be salvaged.

Prohibited Wildlife: The following amphibians and amphibian life stages shall not be targeted, and if incidentally captured shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected amphibians.
- California Amphibian Species of Special Concern.
- Eggs of all native amphibians.

Methods and Equipment: Amphibians may be captured by hand and dip net. Amphibians may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic fluorescent powders).

Limit and Disposition: Capture, handle and release of non-prohibited amphibians – unlimited. Sacrifice of non-native amphibians – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California.

Additional conditions for amphibians may be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance.

W2 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W2 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Reptiles (W3)

Reptiles may be taken in accordance with the restrictions below.

Wildlife and Activities: Reptiles may be captured, handled, measured, marked, and released. Non-native reptiles from the Orders Squamata and Testudines incidentally encountered during field activities may be captured and sacrificed. Reptiles incidentally killed during capture activities may be salvaged.

Prohibited Wildlife: The following reptiles and reptile life stages shall not be targeted, and if incidentally captured shall be immediately released without further handling.

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected reptiles.



- California Reptile Species of Special Concern.
- Sea turtles and sea snakes.
- Eggs of all native reptiles.

Methods and Equipment: Reptiles may be captured by hand, dip net, lizard noose, snake tongs, and snake hook. Reptiles may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic ink, paint, correction fluid, or black dye).

Limit and Disposition: Capture, handle and release of non-prohibited reptiles – unlimited. Sacrifice of non-native reptiles – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California.

Additional conditions for reptiles may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W3 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W3 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Mammals (W4)

Only small mammals in the families Soricidae, Talpidae, Aplodontidae, Cricetidae, Dipodidae, Geomyidae, Heteromyidae, Muridae, and Sciuridae may be taken in accordance with the restrictions below.

Wildlife and Activity: Only small mammals in the nine families noted above may be captured, handled, measured, marked, and released. Non-native mice and rats from the family Muridae incidentally captured during trapping activities may be sacrificed. Small mammals incidentally killed during capture and trapping activities may be salvaged.

Prohibited Wildlife: The following mammals and mammal life stages shall not be targeted and if incidentally captured, shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected mammals.
- California Mammal Species of Special Concern.
- Mammals in families other than the nine noted above are prohibited (see exception for non-native mice and rats in Muridae).
- Nests of all mammals (e.g., woodrat nests).

Methods and Equipment: Small mammals may be captured by box or cage live-traps of appropriate size to preclude capture of medium-sized mammals or carnivores. Small mammals may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic ink or black dye).

Limit and Disposition: Capture, handle, and release of non-prohibited small mammals – unlimited. Sacrifice of non-native mice and rats – unlimited. All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California excluding the ranges and occupied habitat of prohibited small mammals.

Additional conditions for mammals may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance

W4 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
-------	------------	-----------



<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>
--	--	--

<Add New Record>

W4 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

<Text Box>

Birds (W5)

Birds may be taken in accordance with the restrictions below.

Wildlife and Activities: Birds may be captured, handled, measured, marked, and released. Birds incidentally killed during capture and trapping activities may be salvaged.

Prohibited Wildlife: The following birds and bird life stages shall not be targeted and if incidentally captured, shall be immediately released without further handling:

- State- and federally-listed Threatened and Endangered, State-designated Candidate, and Fully Protected birds.
- California Bird Species of Special Concern.
- All birds in the families and orders Anatidae, Galliformes, Procellariiformes, Phalacrocoracidae, Pelecanidae, Ardeidae, Threskiornithidae, Accipitriformes, Gruiformes, Alcidae, Laridae, Strigiformes, Trochilidae, and Falconiformes.
- Nests, eggs, and nestlings of all birds.

Birds protected by the federal Migratory Bird Treaty Act may only be authorized if the species and activities are also covered under appropriate federal permit(s).

Methods and Equipment: Birds may be captured by mist net. Birds may be marked with government-issued, or approved numbered metal bands. Auxiliary markers (including color bands) or other marking techniques can only be authorized under a Specific Use permit.

Limit and Disposition: Capture, handle and release of non-prohibited birds – unlimited.

Locations: Throughout California.

Additional conditions for birds may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W5 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W5 Measures Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling and/or procedures (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).



<Text Box>

Terrestrial Wildlife Salvage (W6)

Dead terrestrial wildlife may be taken in accordance with the restrictions below.

Wildlife and Activities: Dead vernal pool invertebrates, amphibians, reptiles, mammals, birds, and their parts, that the Permitholder and all Authorized Individuals named or covered under this Authorization had no part in the killing or death thereof may be salvaged from the wild, for scientific and wildlife conservation education purposes. Dead specimens that are unsuitable for donation shall be left at the site or shall be completely destroyed through burial or incineration.

Prohibited Wildlife: The following animals and life stages shall not be salvaged without additional written instruction from the department: State-listed Threatened and Endangered, State-designated Candidate, or Fully Protected species, mountain lions, big game (bear, elk, deer, antelope, feral pig), amphibian and reptile eggs, bird nests and bird eggs (including viable or unviable eggs and abandoned nests).

Limit: Unlimited non-Prohibited Wildlife.

Final Disposition: All salvaged specimens shall be deposited in a public scientific or educational institution, zoological park, museum or scientific entity in California within three months of acquisition.

Locations: Throughout California, excluding at renewable energy facilities, when part of mortality monitoring activities.

Additional conditions for salvage may be specified as Conditions of your Terrestrial Wildlife General Use permit at time of issuance.

W6 Proposed Authorized Individuals:

SC ID	FIRST NAME	LAST NAME
<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>	<Filtered Dropdown List from Section 3c>

<Add New Record>

W6 Measures to Minimizing Harm of Wildlife:

Describe what measures will be employed to minimize incidental harm to other wildlife during your salvage activities, including how you will avoid the incidental possession of non-target wildlife and special status species. List the name(s) and address(es) of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred, if known.

<Text Box>



SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMENTS

5a. FEDERAL PERMITS

Do you currently hold/ are named on, have applied for, or will apply for a federal permit pertinent to your requested activities? Yes
 Select all that apply to this amendment, and attach copies of permits, or applications. No

<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Native Endangered and Threatened Species Recovery Permit – U.S. Fish and Wildlife Service Permit No(s):	<input type="checkbox"/> Bird Banding Permit – U.S. Geological Survey Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Scientific Research Permit – National Oceanic and Atmospheric Administration, Fisheries (NMFS) Permit No(s):	<input type="checkbox"/> Migratory Bird Permit – U.S. Fish and Wildlife Service Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 4(d) rule – Research Permit No(s):	<input type="checkbox"/> Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife Refuge, etc.) Type and Permit No.(s):

5b. STATE PERMITS

Do you currently hold, or are named on, or have applied for, or will apply for a state permit pertinent to your requested take activities? Select all that apply to this amendment, and attach copies of permits and/or applications. Yes
 No

<input type="checkbox"/> California Endangered Species Act and/or Fully Protected Species Research MOU(s) – Department Permit or MOU Names or No.(s):	Common name(s) (<i>Scientific name</i>)
<input type="checkbox"/> Scientific Research and Collecting Permits – CA State Parks Permit No(s):	<input type="checkbox"/> Other (e.g., California Dept. of Food and Agriculture)

5c. RELEVANT ENVIRONMENTAL DOCUMENTS

Are you proposing to conduct activities to meet requirements of an environmental plan or document or to meet other environmental compliance required by law? Select all that may apply to this amendment, and provide the name and date of the document(s). Yes
 No

<input type="checkbox"/> Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion	<input type="checkbox"/> Federal Hydropower Licensing (Federal Energy Regulatory Commission)
<input type="checkbox"/> Renewable Energy (i.e., wind, solar, etc.)	<input type="checkbox"/> California Environmental Quality Act
<input type="checkbox"/> National Environmental Policy Act	<input type="checkbox"/> Fish Restoration Grants Program
<input type="checkbox"/> Natural Community Conservation Plan	<input type="checkbox"/> Lake and Streambed Alteration Agreement
<input type="checkbox"/> Hatchery, or Department Fishery Management Plan	<input type="checkbox"/> Water Operations (U.S. Bureau of Reclamation, California Dept. of Water Resources, Interagency Ecological Program, etc.)

Other



SECTION 6. AMENDMENT CERTIFICATION

In signing this application, the applicant to serve as a Permitholder, or to serve as the Executive Signatory (for an Entity permit), and any requested Authorized Individuals agree to the following:

“I certify that the information submitted in this application is complete and accurate to the best of my knowledge and belief. I understand that if I fail to provide required information, my permit may be denied. I further certify I have read, understand, and agree to abide the applicable provisions of the Fish and Game Code, and Title 14, Section 650, CCR, and will abide by all the conditions and attachments of the issued permit. I certify that I am not currently under any Department of Fish and Wildlife license or permit revocation or suspension, and there are no other legal or administrative proceedings pending that may disqualify me from obtaining this permit or any amendments. I understand that any false statement herein may make this permit void and subject me to suspension or revocation of this permit pursuant to Title 14, Section 650, CCR, and to the criminal penalties set forth in Fish and Game Code Section 12002. I further understand I am responsible for ensuring all persons working under this permit will be adequately supervised, and comply with the requirements noted above.”

APPLICANT SIGNATURE

DATE

X



INSTRUCTIONS FOR THE GENERAL USE AMENDMENT APPLICATION

Aside from reading these instructions, it is also important that you read Title 14, Section 650, California Code of Regulations (CCR), permit descriptions, and Standard Conditions for All Scientific Collecting Permits (SCPs) (form DFW 1379d), so that you have a thorough understanding of the requirements (available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>). Additional State and federal permits may be required, and your amendment application may be deemed incomplete if copies of these permits are not submitted with the SCP General Use Permit Application. **Complete applicable sections of this form for the amendment or change requested** (thus not all fields are required, unless applicable for your requested change(s)).

This SCP General Amendment application is only used to **request changes to your existing SCP (refer to Title 14, subsection 650(f), CCR)**. A General Amendment may be requested for eligible changes listed on General Use level amendment forms. The amendment application will be reviewed by the appropriate department review program upon payment of the General Amendment fee, and may be approved or denied at the department's discretion. **This amendment application will not extend the expiration or permit valid date(s) of your existing SCP**. When you need to renew your SCP, the appropriate SCP General Use application form (DFW 1379 GF, GM or GW) should be used.

COMPLETING THE APPLICATION

Pursuant to Title 14, subsection 650(e), CCR, amendment forms are available on the department's internet web site: www.wildlife.ca.gov. Applications to amend an existing permit are subject to the same application and review procedures as applications to apply for a permit. Amendments shall be submitted in an electronic format when available; no handwritten applications shall be accepted. Name(s) of all persons listed on the amendment application shall match those on government-issued identification. Failure to answer any questions fully, or failure to submit any required information, or the proper application fee, may delay the processing of your amendment application, or result in denial of the amendment application. **The Department will determine if an amendment application is complete within 40 calendar days** from the date the application fee clears payment. Once the application is determined to be complete, the Department will approve or deny the amendment application within 60 calendar days, notwithstanding certain pending permits that require notification to the public. Therefore, please allow a minimum of 12 weeks for processing an amendment application. Amendment applications are processed in the order received.

Section 1 – Amendment Request: Enter the Permit ID to amend.

Amendment Summary: Select the section(s) of the permit this amendment applies to. Eligible changes include the Executive Signatory exchanging a Principal Investigator on an Entity permit, the addition or exchange of Authorized Individuals on the permit's LAI, and the addition of (a) new Authorization(s) within the same permit.

Section 2 – Permitholder Information (not amendable, but administrative updates may be made online).

Section 3 – Qualifications and Proposed List of Authorized Individuals

3a Required Qualifications – Prepare and submit required qualifications for all persons requesting to be named on the List of Authorized Individuals (Not applicable for applicants as Student Permitholders). Attach Statements of Qualifications, and Resumes or *curriculum vitae*.

3b Principal Investigator – Fill in the information for the Principal Investigator (Entity and Individual permits only). Complete the required information for the person proposed to work as the Principal Investigator (PI) for an Entity permit. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of the original permit, complete the required information below, including Required Qualifications from Section 3a of this application. Attach the Required Qualifications. The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the List of Authorized Individuals (LAI).

3c Proposed List of Authorized Individuals – A maximum of eight (8) Authorized Individuals, aside from the PI, may be requested for each Authorization included with the permit fees to be named on the LAI, but only eight (8) may be approved per Authorization at any given time. Complete the required information, and attach the Required Qualifications for each proposed Authorized Individual. If no persons are requested in the amendment to work as Authorized Individuals, skip to Section 4.

3d Related Permits – Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed) with permits related to the work planned with this amendment? If yes, provide information for each.

Section 4 – General Use Permit Information Describe details of all of your requested activities in this section. Attach additional documents if necessary.

4a Purpose of Permit – Check the applicable purpose(s) and permit use subcategory(ies) requesting to amend. For "other" - specify in blank below any other activity that does not clearly fit into one of these categories.



4b Justification of Use – Use the space provided to summarize your amended wildlife and activities. It is not necessary to identify each study or research project, if not known at the time of application; however, an answer is required to justify your request. Check the box to acknowledge that the Permitholder and all Authorized Individuals have reviewed the Department’s California Natural Diversity Database Quick view or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered, and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species.

4c Authorizations – Select one or more of the Authorizations (W1-W6) by checking each taxonomic group applicable to your purpose and justification provided. If applying as an Entity or Individual Permitholder, enter the PI (Section 3b, required) and/or Authorized Individuals (Section 3c, if applicable) proposed to work under each selected Authorization. The PI, plus a maximum of any eight (8) Authorized Individuals, may be requested for each Authorization, but only eight (8) may be approved per Authorization at any given time. The same Authorized Individuals may be requested for all Authorizations. The Terrestrial Wildlife review program may approve or deny the PI, and any Authorized Individuals for that Authorization, and may alter the Authorization’s LAI based on review of Required Qualifications submitted.

Section 5 – Other Permits and Environmental Documents Provide a complete copy of current federal and State permit(s), or applications for such permits that apply to this amendment application, and any other written State authorizations, such as a current MOU, if applicable.

Section 6 – Amendment Certification Verify all fields are complete and required documents are attached, sign (electronically) and date.

REPORTING REQUIREMENTS

The Mandatory Wildlife Report (form DFW 1379a), or “Report” is required for every General and Specific Use level permit. Each permit may have slightly different timeframes for frequency of submission of the Report, so check permit Authorizations and/or conditions for details on submission frequency and timing. The report form is available with separate instructions at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting> in a fill and save format. Upon completion of the electronic report, send it to the correct contact listed in your permit conditions. If no contact is specified in your permit conditions, send the report to SCPPermits@wildlife.ca.gov. Any other report format required pursuant to Title 14, subsection 650(p)(2), and specified in the conditions of your SCP shall also be submitted by the specified timeframes. See also Standard Conditions for all Scientific Collecting Permits (form DFW 1379d), Standard Conditions G and I for more reporting guidance.

PAYMENT POLICY

The Department accepts cashier’s checks, money orders, personal or business checks,* or credit cards.** If a receipt for payment is needed before the amendment is issued, please notify the Department when the application form is submitted. The amendment fee is non-refundable for all permit categories and types - refer to Title 14, subsection 703(c), CCR for details. Amendment fees shall be submitted with the amendment application, or the Department may refuse to issue the amendment, and may change the approval into a denial.

***Personal or business checks** will be accepted by the Department if a name and address are imprinted on the check. A check returned to the Department due to insufficient funds will render your permit invalid. Make checks payable to the Department of Fish and Wildlife.

****Credit Cards** – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>.

Cash can no longer be accepted at Department offices as of January 1, 2017.

NOTICE

Disclosure Statement - Under Section 650, Title 14, of the CCR, the Department is authorized to collect information from applicants to maintain a record of licensure. Under Fish and Game Code Section 391, personal information submitted on this application may be released for law enforcement purposes, pursuant to court order, or for official natural resources management purposes, or as may otherwise be required under the California Public Records Act. Issued SCPs are public records, and their related applications may be subject to public disclosure under the California Public Records Act, or other applicable law. People with concerns about records being released to the public should contact CDFW before submitting an application.

A licensee or Permitholder may obtain a copy of his/her license records maintained by the Department by submitting a written request to the Custodian of Records, Department of Fish and Wildlife, License and Revenue Branch, 1740 N. Market Blvd., Sacramento, CA 95834 or lrb@wildlife.ca.gov. All requests shall include the requestor’s name, address, and telephone number.



IMPORTANT: Read Title 14, Section 650, California Code of Regulations (CCR), as well as all instructions (last section of this form), permit descriptions, and all Standard Conditions for Scientific Collecting Permits (SCP), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>. Complete applicable sections of this form for the amendment or change requested.

SECTION 1. AMENDMENT REQUEST

Permit ID to Amend

Amendment Summary: (Select the section(s) of the permit this amendment applies to)

- Change Principal Investigator (**complete Section 3b** of this form). (N/A FOR INDIVIDUAL AND STUDENT PERMITHOLDERS) *The Executive Signatory requests a PI, who must meet Required Qualifications summarized in Section 3a*
- Amend the List of Authorized Individuals (**complete Section 3c** of this form). (N/A FOR STUDENT PERMITHOLDERS)
- Amend Specific Use Permit Information (select all that apply)
 - Amend Study Purpose (Section 4a)
 - Amend Background and Past Findings (Section 4c)
 - Amend Wildlife Taxonomic Groups and Review (Section 4e)
 - Amend Take and/or Possession Activity (Section 4f-2)
 - Amend Procedures (Section 4f-4)
 - Amend Captivity Of Wildlife (Section 4f-6)
 - Amend Disposition Location (Section 4f-8)
 - Amend Study Information (Section 4b)
 - Amend Executive Summary (Section 4d)
 - Amend Targeted / Non-Targeted Wildlife (Section 4f-1)
 - Amend Take Methods (Section 4f-3)
 - Amend Sacrifice Of Wildlife (Section 4f-5)
 - Amend Geographic Locations and Description (Section 4f-7)
 - Amend Authorized Individuals Study Role (Section 4f-9)

Reporting Requirements Principal Investigators and Student Permitholders shall report wildlife taken and/or possessed either within 30 days following the expiration of the permit, upon submitting a renewal application, whichever comes first, or as required by the Authorizations or conditions of the permit (refer to Title 14, subsection 650(p), CCR for reporting requirements). Failure to submit required reports shall result in revocation of an existing permit, and may result in denial of subsequent applications by that Permitholder, or denial of future approval as a Permitholder or Authorized Individual on other permits, pursuant to Title 14, subsections 650(p) and 650(r), CCR.

Amendment Fees:

Fees exclude a nonrefundable three percent (3%) application fee, not to exceed \$7.50 per item (Title 14, Section 700.4, CCR).

	Individual or Entity	Student
Amendment Fee (nonrefundable and submitted with amendment application)	\$89.28	\$25.00

SECTION 3. QUALIFICATIONS AND PROPOSED LIST OF AUTHORIZED INDIVIDUALS

3a. Required Qualifications

The following information is required for all persons requested in the application to independently conduct permitted activities, conduct a portion of the permitted activities, or be named on the permit as an Authorized Individual (refer to Title 14, subsection 650(h) CCR):

- 1. Statement of Qualifications (SOQ):** A statement of qualifications that quantifies and describes experience with requested wildlife and/or similar wildlife. The statement of qualifications shall include approximate number of hours of focused activity in occupied habitat, as well as the approximate number of hours conducting the proposed activities, capture methods, and procedures for each requested wildlife species, wildlife taxonomic group, or similar wildlife taxon, locations and dates experience was obtained, and the name(s) of persons who provided training, any relevant survey, or hands-on training, or experience, and for Principal Investigators only, how responsibilities under subsection 650(b)(19) are met;
- 2. Resume or curriculum vitae:** A resume or *curriculum vitae* that describes the educational background and wildlife-related experience, including a list of any relevant publications; and
- 3. References:** Except for Student Permitholders, current contact information (indicated below) for two (2) references (for example, other Permitholders or experts) who can verify the applicant’s experience with requested wildlife. For new applicants requesting take and/or possession of mountain lion (*Puma concolor*), two letters of recommendation shall be submitted as verifiable documentation, pursuant to Section 4810 of the Fish and Game Code.

3b. Principal Investigator (PI) (ONLY APPLICABLE FOR ENTITY PERMITHOLDERS)

The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the permit - refer to Title 14, subsection 650(f), CCR. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of the original permit application, complete the required information below, including Required Qualifications from Section 3a of this application.



SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY, OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
PI PREFERRED MAILING ADDRESS (FOR SCP CORRESPONDENCE)				
CITY			STATE	ZIP CODE
AFFILIATION'S NAME (if applicable)				
AFFILIATION'S ADDRESS				
CITY			STATE	ZIP CODE
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	
PREFERRED TELEPHONE			ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)				

3c. PROPOSED LIST OF AUTHORIZED INDIVIDUALS (LAI) (NOT APPLICABLE FOR STUDENT PERMITHOLDERS)

Complete the required information below for each person proposed to work independently under the Principal Investigator (PI). Up to eight (8) Authorized Individuals, aside from the PI, may be requested with the original permit fees (refer to Title 14, subsection 650(j), CCR) and see Section 3d, below. To add additional Authorized Individual(s), a Specific Amendment fee applies. Attach the Required Qualifications for each Authorized Individual (refer to Section 3a of this application). If no persons are requested to be added to work as Authorized Individuals, skip to Section 4.

Total No. Authorized Individuals requested:

SC ID	FIRST NAME	M.I.	LAST NAME	DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SELECT ONE)			STATE, COUNTRY OR TRIBE OF ID	ID NUMBER
<input type="checkbox"/> U.S. STATE ID	<input type="checkbox"/> PASSPORT	<input type="checkbox"/> TRIBAL MEMBER		
E-MAIL ADDRESS			PREFERRED TELEPHONE	
AFFILIATION'S NAME (if applicable)				
<input type="checkbox"/> STATEMENT OF QUALIFICATIONS ATTACHED			<input type="checkbox"/> RESUME OR CURRICULUM VITAE ATTACHED	
<input type="checkbox"/> REFERENCE 1:	FIRST NAME	M.I.	LAST NAME	
TITLE /POSITION			E-MAIL ADDRESS	



PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<input type="checkbox"/> REFERENCE 2:	FIRST NAME	M.I.	LAST NAME
TITLE /POSITION		E-MAIL ADDRESS	
PREFERRED TELEPHONE		ALTERNATE TELEPHONE	
AFFILIATION'S NAME (if applicable)			
<Add New Record> Select to provide the same required information for each person requested as an Authorized Individual			

3d. ADDITIONAL AUTHORIZED INDIVIDUALS JUSTIFICATION

Eight (8) Authorized Individuals are included in the permit fees; if additional Authorized Individual(s) are requested during amendment, then a Specific Amendment fee will be assessed as specified in Title 14, subsections 650(l) and 703(c), CCR. Provide justification below of why the proposed activities would need more than eight (8) Authorized Individuals approved with your original permit. *Click "Add New Record" above to provide the same required information in Section 3c when more than eight persons are requested as Authorized Individuals.*

[<Text Box>](#)

3e. RELATED PERMITS

Are there any collaborators (Permitholders, and/or Principal Investigators or Authorized Individuals not listed above) with permits related to the work planned with this permit or amendment? If yes, provide their names and Permit IDs.

Yes No

FIRST NAME	LAST NAME	SC ID	AFFILIATION NAME	PERMIT ID

[<Add New Record >](#)

SECTION 4. SPECIFIC USE PERMIT INFORMATION

4a. PURPOSE OF PERMIT

For Section 4, provide all details to answer each question in the following fields. You may provide an attached study proposal or additional information in subsection 4f(10), but all information entered into each field in subsections 4a-4f must contain sufficient detail to be able to stand-alone for the evaluation of the application.

For subsection 4a, check the applicable purpose(s) and permit use subcategory(ies) below for this amendment per Title 14, subsection 650(c), CCR. For "other" - specify in blank below any other activity that does not clearly fit into one of these categories.

<input type="checkbox"/> Science	<input type="checkbox"/> Education	<input type="checkbox"/> Propagation
<input type="checkbox"/> Research <input type="checkbox"/> Survey/ Inventory <input type="checkbox"/> Monitoring <input type="checkbox"/> Museum Collection <input type="checkbox"/> other (specify– e.g., restoration, etc.)	<input type="checkbox"/> Capture and release and/ or display of wildlife in the field (e.g., tidepools, school groups, field demonstrations, etc.) <input type="checkbox"/> Live display of releasable or non-releasable wildlife in captivity <input type="checkbox"/> Display of dead salvaged specimens <input type="checkbox"/> other – (specify – e.g., biological collection service, museum collection, etc.)	<input type="checkbox"/> Wild (<i>in situ</i>) – relocation, reintroduction or translocation <input type="checkbox"/> Captive (<i>ex situ</i>) <input type="checkbox"/> Short-distance movement - out of harm's way <input type="checkbox"/> other (specify – e.g., sacrifice of non-native species to enhance sustainability of native species, etc.)
<Other - Text Field>	<Other - Text Field>	<Other - Text Field>

4b. AMENDED PERMIT INFORMATION



1) **Permit Scope, Goals, and Objectives.** Explain how this amendment maintains the fundamental scope of the permitted study or planned undertaking. Explain the requested changes in the following sections relate the purpose(s) of your study or planned undertaking to any research questions and/or hypotheses, goal(s) and objective(s) designed to carry out all requested activity(ies).

<Text Box>

2) **Permit Need or Benefit.** Justify the need and/or benefit of the amended take of wildlife and activities for science, education, and/or propagation pursuant to Title 14, subsection 650(c), as follows:

- Scientific purpose: include the significance of the research, questions or hypotheses seeking to be addressed, and/or how your research would directly benefit the species or fulfil an important research, management, or other need. Pursuant to subsection 650(b)(23), research includes, but is not limited to, surveys or inventories to assess the potential for, or to monitor actual project impacts on wildlife resources (e.g., presence/absence surveys, or monitoring).
- Educational purpose: include the significance of the education or educational program, training, and/or benefit of instruction about the state’s natural resources.
- Propagation purpose: include the significance of propagation or sustainability benefit, *in situ* (or maintain in wild) or *ex situ* (captive outside the wild) breeding or rearing, possession of hatchery raised fish, ecosystem restoration benefits or population augmentation, and/or efforts to promote maintenance of biologically sustainable populations.

<Text Box>

3) **Study or Planned Undertaking Timeframe:** Provide any changes to the approximate timeframe for the permitted study or period of planned undertaking, even if it extends beyond the duration of this permit (three years for Entity and Individual Permitholders; one year for Student Permitholders)- including all activities, and field and lab work.

Estimated Start Date:

<Date Picker>

Estimated End Date:

<Date Picker>

4c. AMENDED BACKGROUND AND PAST FINDINGS

1) Identify pertinent background information, including survey protocols and a literature cited section, which supports the amended study, activity(ies), or planned undertaking, or provide copies of any reports or publications from previous or similar research or activities conducted on the requested wildlife. When applicable, explain how the research will address questions not answered by earlier research. If not applicable, state “not applicable.”

<Text Box>

2) Discuss how any past findings have contributed to the body of knowledge on the subject and how they relate to your proposed goals and objectives, if applicable. If not applicable, state “not applicable.”

<Text Box>

3) Explain how your proposed activities relate to a larger series of projects or research plans (explain from subsection 3e of this application), if applicable. If not applicable, state “not applicable.”

<Text Box>

4) If there is an existing conservation strategy or management plan that relates to your proposed activities (e.g., USFWS recovery plans, California Species of Special Concern manuscripts, Department Fishery Management Plan), identify conservation actions, recovery tasks, research needs and/or monitoring recommendations, if applicable. Be sure to explain any permits or environmental documents checked in Section 5 of this application. If not applicable, state “not applicable.”

<Text Box>

4d. AMENDED EXECUTIVE SUMMARY

1) **Title.** If applicable, provide an amended title for the study or planned undertaking that accurately represents the full scope of the proposed activity(ies) for the permit duration period. The title should identify the purpose, targeted wildlife taxonomic group(s) or species, and general location(s).

<Text Box>

2) **Abstract.** Provide a summary of the amended study or planned undertaking that includes the main goals and objectives or research question(s), species or taxonomic group(s), take and analysis methods, and general locations. Additional information, e.g. past findings, benefit or need, or relevant environmental documents or plans may be provided, but is not required.



<Text Box>

3) Public Information Release. Issued SCPs are public records, pursuant to Title 14, subsection 650(k), CCR, and through the Public Records Act. However, the Department requests Permitholders make their preferred contact information, and Executive Summary (Title and Abstract) available to interested parties to facilitate research communication and collaboration.

Note: Release is mandatory for applications requiring public notice: request of mountain lion, or pursuit of bobcat (*Lynx rufus*) or bear (*Ursus americanus*) with dogs, pursuant to Sections 4810 and 3960.4 of the Fish and Game Code.

Indicate your preference for the Department to display your preferred contact information and amended Executive Summary on the Department’s website. Yes No

4e. AMENDED WILDLIFE TAXONOMIC GROUPS

Select the wildlife taxonomic group(s) that will be targeted for activity(ies) during the course of the amended study or planned undertaking (subsection 4f(1a) below), and those that could be possible non-targeted (incidental) by-catch (subsection 4f(1b) below). The selected group(s) will determine which Department review program(s) the application will be routed to for review and approval.

Terrestrial Wildlife	Inland Fisheries	Marine
<input type="checkbox"/> Terrestrial and Vernal Pool Invertebrates* <input type="checkbox"/> Amphibians <input type="checkbox"/> Reptiles <input type="checkbox"/> Mammals <input type="checkbox"/> Birds	<input type="checkbox"/> Inland Aquatic Invertebrates <input type="checkbox"/> Inland Non-Anadromous Fish <input type="checkbox"/> Anadromous Fish (inland waters)	<input type="checkbox"/> Marine Fishes <input type="checkbox"/> Marine/Tidal Invertebrates <input type="checkbox"/> Marine Algae and Plants

*Terrestrial Invertebrates: Refer to Title 14, subsections 650(i)(2) and 650(u)(5), CCR. Specific Use permits are required for intentional (targeted) take and/or possession of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list List (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>).

4f. AMENDED REQUESTED ACTIVITIES

1) Wildlife Groups and Species:

a) Amended Targeted Wildlife

Click “Add New Record” below, select the proposed targeted species, or if requesting at a taxonomic level other than species, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists. Provide the following information for each taxonomic level(s), or specific species requested.

Species or Taxonomic Level (Scientific Name) (e.g., Order, Family, Genus, etc.)	Species or Level (Common Name)	Status	Life Stage	Sex	Origin
<Dropdown List>	<Prepopulated via Species>	<Prepopulated via Species>	<Dropdown List>	<Dropdown List>	<Dropdown List>

<Add New Record>

b) Amended Non-Target Wildlife (Incidental By-catch):

Click “Add New Record” below, select the possible non-targeted (incidental by-catch) species; or if the species is unknown, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists, and provide the following information.

- The quantities expected to be encountered during activities (if unknown, select “0” and explain under “Details” why it is unknown);
- Describe what measures will be employed to minimize incidental harm or death of all captured wildlife, including how you will avoid the incidental capture (by-catch) of non-target wildlife and special status species, and describe how you will minimize risk to wildlife during handling (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

Species or Taxonomic Level (Scientific Name) (e.g., Order, Family, Genus, etc.)	Species or Level (Common Name)	Status	Quantities	Measures Minimizing Harm of Wildlife
<Dropdown List>	<Prepopulated via Species>	<Prepopulated via Species>	<Numeric>	<Text Box>

<Add New Record>

c) Review of Species Information



I acknowledge that I, and any other person named or covered in this application as an Authorized Individual, have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species prior to conducting planned activity(ies). If we am/are aware certain sensitive species may be encountered in the area of my/our planned activities. If methods and locations authorized by this permit may result in take of CESA-listed, CESA-Candidate, or Fully Protected species, I will contact the appropriate review program about whether I/we need a Memorandum of Understanding (MOU), pursuant to Fish and Game Code Section 2081(a), and/or Title 14, Section 670.7, CCR.

2) Amended Take and/or Possession Activities:

Click “Add New Record” below, select the proposed take and/or possession activity from the drop down list and provide the following information per the requested specific species or taxonomic level(s). Additional Details may be provided to clarify and justify the requested Activity.

Activity	Disposition	Species or Taxonomic Level	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Text Box>
<Add New Record>				

3) Amended Take Methods:

Click “Add New Record” below, select the proposed method(s) from the drop down list and provide details for each proposed method used to capture or otherwise take the requested specific species or taxonomic level(s), and include the following information:

- The sampling season start and end date;
- The frequency of sampling;
- The quantities by life stage/age and sex of wildlife to be taken and/or possessed by that method (if unknown, select “0” and explain under “Details” why it is unknown); and
- The specifics of the methodology under “Details.”
 - protocols to be followed, as well as type, size and details of equipment to be used (e.g., net mesh size, whether traps are baited or not, number of passes per sampling, etc.); and
 - what measures will be employed to minimize incidental harm or death of wildlife, and describe how you will minimize risk to wildlife in deploying equipment, or during handling of target species or taxa (e.g., personnel are trained in identification and supervision, discriminant capture methods, handling procedures and duration, etc.).

Take Method	Species or Taxonomic Level	Sampling Season Start Date	Sampling Season End Date	Sampling Frequency	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Date Picker>	<Date Picker>	<Dropdown List>	<Numeric>	<Text Box>
<Add New Record >						

4) Amended Procedures:

Will your proposed study require procedures to be performed on wildlife? Yes No

If yes, click “Add New Record” below, select the procedure from the drop down list, and provide the following information per the requested specific species, or taxonomic level(s):

- The quantities by life stage/age and sex of wildlife to undergo procedures or marking (if unknown, select “0” and explain under “Details” why it is unknown);
- The specifics of the procedure under “Details”:
 - protocols to be followed, as well as details (e.g., specific equipment, manner of conducting procedure, type of marking and placement on body, amount of sample collected, etc.); and
 - what measures will be employed to minimize incidental harm or death of wildlife, and describe how you will minimize risk to wildlife’s well-being during procedures or marking events.

Procedure	Species or Taxonomic Level	Quantities	Details
<Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Text Box>
<Add New Record>			

5) Amended Sacrifice of Wildlife:

Will your proposed study result in the death or removal of target or non-target wildlife from the wild? Yes No



If yes, click “Add New Record” below, and provide the following information per the requested specific species, or taxonomic level(s):

- The quantities by life stage/age, sex, and geographic area to be sacrificed (if unknown, select “0” and explain under “Details” why it is unknown);
- The specifics of the sacrifice under “Details”:
 - Justify the maximum number of individuals that would be killed or removed from the wild;
 - Describe means for which wildlife is sacrificed or humanely euthanized; and
 - Describe your attempts to obtain the wildlife specimens currently held in captivity (e.g., museums, rehabilitation centers, other Permitholders), or produced in captivity. You shall demonstrate conclusively that existing specimens are unavailable, or your research objectives require new/additional specimens.

Taxonomic Level or Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>
<Add New Record>				

6) Amended Captivity of Wildlife:

a) Will live wildlife be removed from the wild and held alive in captivity (“*ex situ*”), or will live wildlife be transferred into possession and held in captivity? Yes No

If yes click “Add New Record,” select the Captivity Type from the drop down list below, and provide the following information:

- Attach under Section 4f(10) any related documents pertaining to captivity and/or captive breeding activities (e.g., IACUC plans, feasibility analyses, grant conditions, etc.), or relevant environmental documents or plans (Section 5 of this application).
- The quantities by life stage/age, sex (if unknown, select “0” and explain under “Details” why it is unknown);
- For each species you plan on holding in captivity, provide specifics of the captivity setting under “Details.”
 - Justify the maximum number of individuals that would be removed from the wild and/or held in captivity and geographic area(s) where wildlife are proposed to be removed from the wild;
 - The specific need and purpose of the proposed removal and/or captivity;
 - Location where individuals will be acquired from; and
 - The duration individuals will be held in captivity.

Terrestrial Wildlife Only:

- Consistent with Title 14, subsection 650(c), CCR, elements of conservation, biology, and/or ecology of California wildlife shall be included for education activities: describe the educational message that will be delivered and to what audience. Provide a detailed outline of your program, or attach brochures, or other materials prepared for distribution. Explain why live wildlife are necessary for the program, including how they will be used and displayed during the presentation to meet this need.
- Give a complete description of the holding area and/or holding facilities. Specify if individuals are held indoors or outdoors, climatic conditions, and accessibility to other wildlife, domestic animals, or to the public. Attach photographs or diagrams of enclosures with the length, width and height of each, description of interior and exterior construction materials, such as flooring and netting materials, and the species and number that are to be housed in each.
- Describe the diet for each species including the food source and how the diet will be administered. Describe how the animals will obtain fresh drinking or bathing water (specific devices/types to be used).
- Describe the transport containers for the animals, including dimensions (length, width, and height) and materials. Indicate the species and number that will be transported in each, and any methods to minimize harm or mortality from sustained vibration, temperature extremes, or elevation changes during transport.
- Describe all special elements (e.g., scratching posts, dust bath boxes, mineral licks), cover types for hiding, and any enriching elements/devices to be added to the cages to help animals relieve stress and move about and exercise.
- Attach details, protocols, or standard operating procedures that describe captive holding activities including biosecurity, disinfection and waste disposal, and animal health assessments.
- Describe all personnel responsible for providing day-to-day care for captive wildlife, and their qualifications to conduct such work.
- If individuals are to be held in permanent captivity, describe the quantities of individuals, and permanent holding facilities, if different from the temporary holding facilities for education or research programs.
- Describe how you will prevent successful reproduction from occurring. Captive breeding (see section below) of wildlife may only be authorized when specifically requested, and only as approved by the Department as part of a concerted conservation or recovery effort, and/or for justified scientific purposes. Captive breeding may occasionally be allowed for educational purposes when adequate justification is provided.

Captivity Type	Species	Quantities	Life Stage	Sex	Details
<Dropdown List>	<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>
<Add New Record>					



Do you intend to sacrifice wildlife at the conclusion of the proposed study or program?					<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, click "Add New Record" below, and provide the following information:						
<ul style="list-style-type: none"> • The quantities of each species by life stage/age, sex (if unknown, select "0" and explain under "Details" why it is unknown) to be sacrificed; and • The specifics of euthanasia methods and disposal, under "Details." 						
Species	Quantities	Life Stage	Sex	Details		
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>		
Do you intend to captive breed the requested wildlife?					<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, click "Add New Record" below, and provide the following information:						
<ul style="list-style-type: none"> • The quantities of each species by life stage/age, sex (if unknown, select "0" and explain under "Details" why it is unknown) to be captively bred; and • For each species you plan on captive breeding, provide the specifics under "Details." <ul style="list-style-type: none"> ○ List any published references for successful captive breeding of the species; ○ Describe the number of offspring expected to be produced, and the intended disposition; and ○ Outline all persons, and their roles in the captive breeding activity. 						
Species	Quantities	Life Stage	Sex	Details		
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>		
Do you intend to release organisms (or their offspring) back into the wild, if captively bred, or for other reasons?					<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, click "Add New Record" below, provide the following information:						
<ul style="list-style-type: none"> • The quantities of each species by life stage/age and sex of wildlife to be released back into the wild (if unknown, select "0" and explain under "Details" why it is unknown); • For each species you plan on releasing back to the wild, provide the following under "Details": <ul style="list-style-type: none"> ○ The location originally captured (if applicable), the location of the proposed release site, and location of holding facility; ○ Description of holding facility, and how long individuals will be held alive in captivity before being released into the wild, and describe why that time period was chosen; ○ Explain why it is in the best interest of the State and for the species, to return the organisms to the wild; ○ Describe how you will minimize risk of disease transmission during temporary captivity (i.e., including but not limited to, biosecurity measures, disinfection and cleaning procedures, waste disposal, health assessments); and ○ Explain the plan to minimize introduction of pathogens (virus, fungus, bacteria, and parasite) into the ecosystem or environment after release back into the wild. ○ Are the species proposed for release held in flow-through water or a closed system? ○ If individuals have been provided with food, please describe the food and whether it is being consumed? ○ What other species are held in the holding unit containing the species proposed for release? If there any non-native species held at the facility, address the following: <ul style="list-style-type: none"> ▪ Provide details about what controls are in place to prevent cross contamination with non-natives. ▪ Explain how staff and students are trained regarding the potential risks of non-native species introductions and facility holding practices. <p>Marine Only:</p> <ul style="list-style-type: none"> ○ Does any portion of the facility use flow-through seawater? If so, how is incoming water treated? <p>Terrestrial Wildlife Only:</p> <ul style="list-style-type: none"> ○ Attach additional protocols or standard operating procedures, if applicable, that describe release activities. ○ Be advised, the Department may require written correspondence from qualified veterinary staff to verify the individuals have been examined and/or tested, as may be necessary and required by the Department, before transport and release is separately approved in writing. <p>Inland Fisheries Only:</p> <ul style="list-style-type: none"> ○ If fish are proposed to be moved to a different general location (finer scale), will you obtain approval from the Department's Fish Health Lab? 						
Species	Quantities	Life Stage	Sex	Details		
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>		
<Add New Record>						
b) Will live wildlife be relocated, translocated, or reintroduced (" <i>in situ</i> ")?					<input type="checkbox"/> Yes	<input type="checkbox"/> No



If yes, for each species intended to be retained or confined in a field setting, relocated, or translocated within the wild, or reintroduced from captivity, click “Add New Record” below, provide the following information per species requested to be relocated or translocated within the wild:

- Attach under Section 4f(10) any related documents pertaining to translocation activities, or relevant environmental documents or plans (Section 5 of this application).
- The quantities of each species by life stage/age and sex of wildlife to be retained or confined in a field setting, relocated, translocated within the wild, or reintroduced from captivity (if unknown, select “0” and explain under “Details” why it is unknown)
- The specifics of the relocation, reintroduction or translocation within the wild under “Details”:
 - List the source counties and specific location(s) from which wildlife was, or is proposed to be taken, and the final release location(s);
 - Describe how organisms will be monitored after release back into the wild, and
 - Describe how you will minimize risk of disease transmission during temporary captivity, and relocation, reintroduction, or translocation efforts.

Terrestrial Wildlife Only:

- Be advised, the Department may require written correspondence from qualified veterinary staff to verify the individuals have been examined and/or tested, as may be necessary and required by the Department, before transport and release is separately approved in writing.

Species	Quantities	Life Stage	Sex	Details
<Filtered Dropdown List>	<Numeric>	<Dropdown List>	<Dropdown List>	<Text Box>
<Add New Record>				

7) Geographic Locations and Description:

For specific species or taxonomic level(s) and/or activity requested, click “Add New Record” below, and select the county(ies) or other geographic area(s) from the drop down list(s) in which you plan to conduct activity(ies) for the duration of the permit. To help expedite permit review, provide the specific location(s) of study area(s) of the proposed activities, when known. When specific county(ies) or other geographic areas are not known at the time of application, indicate if planned activities are statewide, or range-wide for a species (e.g., if planning to conduct surveys on a contract basis in the future, such as presence/absence surveys, county(ies) and/or specific locations may be provided later, and you may be required to submit an application for a Specific Amendment). For each specific location or study area, provide the following specifics, including justification, and the finest scale location description possible under “Details”:

- If your request is for aquatic species, identify the aquatic system(s) and provide: the Hydrologic Unit Code (HUC 8 Watershed #), inland stream/ waterbody name (include begin and end river miles, when known), and/or other inland water (e.g., reservoir, lake names).
- Provide any identifying property designations (i.e., land ownership) and/or geographic coordinates (i.e., latitude, longitude, and datum) that will precisely place the location of the proposed activity site(s).
- If you propose to work in a Marine Protected Area (MPA), Marine Managed Area (MMA), Wildlife Area (WA) or Ecological Reserve (ER), provide the name and justify:
 - Why collection is required within an MPA, MMA, WA, or ER and provide justification for why it cannot be conducted outside of an MPA;
 - Why the proposed methods are appropriate for this activity; and
 - Describe the frequency of the proposed activity per sampling area.

Geographic Area	Species or Taxonomic Level	County	Land Ownership	Waters	MPA or other Managed Area	Habitats	Details
	<Filtered Dropdown List>	<Dropdown List>	<Dropdown List>	<Dropdown List>	<Dropdown List>	<Filtered Dropdown List>	<Text Box>
<Add New Record >							

(Optional) If point or centroid of polygon (e.g., weir, mist-net location or sampling area) Click “Add New Record” below, enter the specific details, if known, for each specific location requested.

Latitude	Longitude	Datum (WGS 84, NAD 83 preferred)
		<Dropdown List>

<Add New Record>

8) Amended Disposition Location of Wildlife Specimens and/or Parts

For each Proposed Disposition Location, click “Add New Record” below, and enter the Name and address of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited.

Location Type	Name	Street Address	City	State	Zip
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<Dropdown List>					
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<Add New Record>					
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9) Amended Role of Proposed Authorized Individuals

For each proposed Authorized Individual, click “Add New Record” below, select the SC ID of the Authorized Individual from the drop down list who will work independently on the permit. In the “Role Details” field, explain the role the individual will provide for the study or planned undertaking, including: species and/or taxonomic group(s), take and/or possession activities, methods, procedures and general locations the individual will be working in.

SC ID	First Name	Last Name	Role Details
<Filtered Dropdown List from Section 3c>	<Prepopulated via SC ID>	<Prepopulated via SC ID>	<Text Box>

<Add New Record>			
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10) Attach Additional Supporting Documents

To attach additional supporting documents (e.g., copies of federal or other permits or applications for such permits, or study proposal in scientific format, literature cited, relevant protocols or other information requested in this application), click “Upload Attachment.”

<Upload Attachment>			
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SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMENTS

5a. FEDERAL PERMITS

Do you currently hold/ are named on, have applied for, or will apply for a federal permit pertinent to your requested activities? Select all that apply to this amendment, and attach copies of permits, or applications.	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Native Endangered and Threatened Species Recovery Permit – U.S. Fish and Wildlife Service Permit No(s):	<input type="checkbox"/> Bird Banding Permit – U.S. Geological Survey Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 10(a)(1)(A) Scientific Research Permit – National Oceanic and Atmospheric Administration, Fisheries (NMFS) Permit No(s):	<input type="checkbox"/> Migratory Bird Permit – U.S. Fish and Wildlife Service Permit No(s):
<input type="checkbox"/> Federal Endangered Species Act 4(d) rule – Research Permit No(s):	<input type="checkbox"/> Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife Refuge, etc.) Type and Permit No.(s):

5b. STATE PERMITS

Do you currently hold, or are named on, or have applied for, or will apply for a state permit pertinent to your requested activities? Select all that apply to this amendment, and attach copies of permits or applications.	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

<input type="checkbox"/> California Endangered Species Act and/or Fully Protected Species Research MOU(s) – Department Permit or MOU Names or No.(s):	Common name(s) (<i>Scientific name</i>)
<input type="checkbox"/> Scientific Research and Collecting Permits – CA State Parks Permit No(s):	<input type="checkbox"/> Other (e.g., California Dept. of Food and Agriculture) Type and Permit No.(s):

5c. RELEVANT ENVIRONMENTAL DOCUMENTS

Are you proposing to conduct activities to meet requirements of an environmental plan or document, or to meet other environmental compliance required by law? Select all that may apply to this amendment, and provide the name and date of the document(s), if applicable.	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

<input type="checkbox"/> Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion	<input type="checkbox"/> Federal Hydropower Licensing (Federal Energy Regulatory Commission)
<input type="checkbox"/> Renewable Energy (i.e., wind, solar, etc.)	<input type="checkbox"/> California Environmental Quality Act
<input type="checkbox"/> National Environmental Policy Act	<input type="checkbox"/> Fish Restoration Grants Program
<input type="checkbox"/> Natural Community Conservation Plan	<input type="checkbox"/> Lake and Streambed Alteration Agreement
<input type="checkbox"/> Hatchery, or Department Fishery Management Plan	<input type="checkbox"/> Water Operations (U.S. Bureau of Reclamation, California Dept. of Water Resources, Interagency Ecological Program, etc.)

<input type="checkbox"/> Other



SECTION 6. AMENDMENT CERTIFICATION

In signing this application, the applicant to serve as a Permitholder, or to serve as the Executive Signatory (for an Entity permit), and any requested Authorized Individuals agree to the following:

“I certify that the information submitted in this application is complete and accurate to the best of my knowledge and belief. I understand that if I fail to provide required information, my permit may be denied. I further certify I have read, understand, and agree to abide the applicable provisions of the Fish and Game Code, and Title 14, Section 650, CCR, and will abide by all the conditions and attachments of the issued permit. I certify that I am not currently under any Department of Fish and Wildlife license or permit revocation or suspension, and there are no other legal or administrative proceedings pending that may disqualify me from obtaining this permit or any amendments. I understand that any false statement herein may make this permit void and subject me to suspension or revocation of this permit pursuant to Title 14, Section 650, CCR, and to the criminal penalties set forth in Fish and Game Code Section 12002. I further understand I am responsible for ensuring all persons working under this permit will be adequately supervised, and comply with the requirements noted above.”

APPLICANT SIGNATURE X	DATE
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INSTRUCTIONS FOR THE SPECIFIC USE AMENDMENT APPLICATION

Aside from reading these instructions, it is also important that you read Title 14, Section 650, California Code of Regulations (CCR), permit descriptions, and Standard Conditions for All Scientific Collecting Permits (SCPs) (form DFW 1379d), so that you have a thorough understanding of the requirements (available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>). Additional State and federal permits may be required, and your amendment application may be deemed incomplete if copies of these permits are not submitted with the SCP General Use Permit Application. **Complete applicable sections of this form for the amendment or change requested** (thus not all fields are required, unless applicable for your requested change(s)). This SCP Specific Amendment application is only used to **request changes to your existing SCP (refer to Title 14, subsection 650(j), CCR)**. A Specific Amendment may be requested for eligible changes listed on the Specific Use level amendment form. The amendment application will be reviewed by appropriate department review program(s) upon payment of the Specific Amendment fee and may be approved or denied at the department's discretion. **This amendment form will not extend the expiration or permit valid date(s) of your existing SCP**. When you need to renew your SCP, the Specific Use application form (DFW 1379 S) should be used.

COMPLETING THE APPLICATION

Pursuant to Title 14, subsection 650(e), CCR, amendment forms are available on the department's internet web site: www.wildlife.ca.gov. Applications to amend an existing permit are subject to the same application and review procedures as applications to apply for a permit. Amendment applications shall be submitted in an electronic format when available; no handwritten applications shall be accepted. Name(s) of all persons listed on the amendment application shall match those on government-issued identification. Failure to answer any questions fully, or failure to submit any required information, or the proper application fee, may delay the processing of your application, or result in denial of the application. **The Department will determine if an amendment application is complete within 40 calendar days** from the date the application fee clears payment. Once the application is determined to be complete, the Department will approve or deny the amendment application within 60 calendar days, notwithstanding certain pending permits that require notification to the public. Therefore, please allow a minimum of 12 weeks for processing an amendment application. Amendment applications are processed in the order received.

Section 1 – Amendment Request: Enter the Permit ID to amend.

Amendment Summary: Select the section(s) of the permit this amendment applies to. Eligible changes include the Executive Signatory exchanging a Principal Investigator on an Entity permit, the addition or exchange of Authorized Individuals on the permit's LAI, and the amendment of Specific Use Permit Information.

Section 2 – Permitholder Information (not amendable, but administrative updates may be made online).

Section 3 – Qualifications and Proposed List of Authorized Individuals

3a Required Qualifications – Prepare and submit required qualifications for all persons requesting to be named on the List of Authorized Individuals (Not applicable for applicants as Student Permitholders). Attach Statements of Qualifications, and Resumes or *curriculum vitae*.

3b Principal Investigator – Fill in the information for the Principal Investigator (Entity and Individual permits only). Complete the required information for the person proposed to work as the Principal Investigator (PI) for an Entity permit. If the Executive Signatory is not the same person applying as the Principal Investigator (PI) from Section 2a of the original permit, complete the required information below, including Required Qualifications from Section 3a of this application. Attach the Required Qualifications. The PI is responsible for providing adequate supervision and training of all Authorized Individuals named or covered on the List of Authorized Individuals (LAI).

3c List of Authorized Individuals – Fill in all information for up to eight (8) persons, aside from the PI, maybe be requested to be named on the LAI, included with the original permit fees (refer to Title 14, subsection 650(j), CCR) and see Section 3d. To add additional Authorized Individual(s), a Specific Amendment fee applies. Complete the required information for each person proposed to work independently under the Principal Investigator (PI). Attach the Required Qualifications for each proposed Authorized Individual. If no persons are requested to be added to work as Authorized Individuals, skip to Section 4.

3d Additional Authorized Individuals Justification – Eight (8) Authorized Individuals are included in the permit fees; if additional Authorized Individuals are requested during amendment, then a Specific Amendment fee will be assessed as specified in Title 14, subsections 650(l) and 703(c), CCR. Justify why the proposed activities would need more than eight Authorized Individuals approved with your original permit. *Provide the same required information in Section 3c if more than eight persons are requested as Authorized Individuals.*

3e Related Permits – Are there any collaborators, or other persons or entities (e.g., Permitholders, and/or Principal Investigators or Authorized Individuals not listed) with permits related to the work planned in this permit or amendment? If yes, provide information for each.



Section 4 – Specific Use Permit Information Describe details of all of your requested amended activities in this section. Attach additional documents if necessary. For Section 4, provide all details to answer each question in the following fields. You may provide an attached study proposal or additional information in subsection 4f(10), but all information entered into each field in subsections 4a-4f shall contain sufficient detail to be able to stand-alone for the evaluation of the application.

4a Purpose of Permit For subsection 4a, check the applicable purpose(s) and permit use subcategory(ies) below for this permit per Title 14, subsection 650(c), CCR. For “other” - specify in blank below any other activity that does not clearly fit into one of these categories.

4b Amended Study Information

- 1) **Permit Scope, Goals, and Objectives.** Explain how this amendment maintains the fundamental scope of the permitted study or planned undertaking. Explain the requested changes in the following sections relate the purpose(s) of your study or planned undertaking to any research questions and/or hypotheses, goal(s) and objective(s) designed to carry out all requested activity(ies).
- 2) **Permit Need or Benefit.** Justify the need and/or benefit of the proposed take of wildlife and activities for science, education, and/or propagation.
- 3) **Study or Planned Undertaking Timeframe:** Provide any changes to the approximate timeframe for the permitted study or period of planned undertaking, even if it extends beyond the duration of this permit (three years for Entity and Individual Permitholders; one year for Student Permitholders) including all activities, and field and lab work.

4c Amended Background and Past Findings (complete each question, as applicable)

- 1) Identify pertinent background information, including survey protocols and a literature cited section, which supports the amended study, activity(ies), or planned undertaking, or provide copies of any reports or publications from previous or similar research or activities conducted on the requested wildlife. When applicable, explain how the research will address questions not answered by earlier research. If not applicable, state “not applicable.”
- 2) Describe how any past findings have contributed to the body of knowledge on the subject and how they relate to your proposed goals and objectives, if applicable. If not applicable, state “not applicable.”
- 3) Explain how your proposed activities relate to a larger series of projects or research plans (explain from Section 3e of this application), if applicable.
- 4) If there is an existing conservation strategy or management plan that relates to your proposed activities (e.g., USFWS recovery plans, California Species of Special Concern manuscripts), identify conservation actions, recovery tasks, research needs and/or monitoring recommendations, if applicable. Be sure to explain any permits or environmental documents listed in Section 5 of this application. If not applicable, state “not applicable.”

4d. Amended Executive Summary

- 1) **Title.** If applicable, provide an amended title for the study or planned undertaking that accurately represents the full scope of the proposed activity(ies) for the permit duration period. The title should identify the purpose, targeted wildlife taxonomic group(s) or species, and general location(s).
- 2) **Abstract:** Provide a summary of the amended study or planned undertaking that includes the main goals and objectives or research question(s), species or taxonomic group(s), take and analysis methods, and general locations. Additional information, e.g. past findings, benefit or need, or relevant conservation or environmental documents may be provided, but is not required.
- 3) **Public Information Release:** Issued SCPs are public records, pursuant to Title 14, subsection 650(k), CCR, and through the Public Records Act. However, the Department requests Permitholders make their preferred contact information, and Executive Summary (Title and Abstract) available to interested parties to facilitate research communication and collaboration. (Release is mandatory for applications requiring public notice: request of mountain lion, or pursuit of bobcat (*Lynx rufus*) or bear (*Ursus americanus*) with dogs, pursuant to Sections 4810 and 3960.4 of the Fish and Game Code).

4e. Amended Wildlife Taxonomic Groups and Review Programs

Select the wildlife taxonomic group(s) that will be targeted for activity(ies) during the course of the amended study or planned undertaking=(subsection 4f(1a)), and that could be possible non-targeted (incidental by-catch) (subsection 4f(1b)). The selected group(s) will determine which Department review program(s) the application will be routed to for review and approval.

4f. Amended Requested Take Activities

- 1) **Wildlife Groups and Species:**



- a. **Amended Targeted Species:** Select the proposed targeted species, or if requesting at a taxonomic level other than species, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists. Complete the required information for each requested species, and/or taxonomic level(s).
 - b. **Amended Non-Targeted Species (Incidental By-catch):** Select the possible non-targeted (incidental by-catch) species; or if the species is unknown, select the proposed lowest level(s) of taxonomic group(s) from the drop down lists, and identify the estimated quantities expected to encounter during activities. Describe what measures will be employed to minimize incidental harm or death of all captured wildlife.
 - c. **Review of Species Information:** Check the box to acknowledge that you have reviewed, or will have reviewed, the Department’s California Natural Diversity Database Quickview or other online tool, the California Endangered Species Act (CESA) Candidate, Endangered and Threatened species list, the Department’s Special Animals List for Fully Protected species and California Species of Special Concern, and other sources of information for sensitive wildlife species.
- 2) **Amended Take and/or Possession Activities:** Select the proposed take and/or possession activity from the drop down list and provide the required information per the requested specific species or taxonomic level(s). Additional Details may be provided to clarify and justify the requested Activity.
 - 3) **Amended Take Methods:** Select the proposed method(s) from the drop down list and provide details for each proposed method used to capture or otherwise take the requested specific species or taxonomic level(s), and include all required information.
 - 4) **Amended Procedures:** Select the procedure from the drop down list, and provide the required information per the requested specific species, or taxonomic level(s).
 - 5) **Amended Sacrifice of Wildlife:** If your proposed study will result in the death or removal of target or non-target wildlife from the wild, select the species from the drop down list, and provide the following information per the requested specific species, or taxonomic level(s).
 - 6) **Amended Captivity of Wildlife:** If live wildlife be removed from the wild and/or held alive in captivity, select the Captivity Type from the drop down list, and select the species from the drop down list and provide all the required information. Several questions follow that may only be applicable to wildlife taxonomic groups or species that fall under the review of one review program.
 - a. **Will live wildlife be removed from the wild and held alive in captivity (“*ex situ*”), or will wildlife be transferred into possession?** Answers to the following questions are required: Do you intend to sacrifice wildlife at the conclusion of the proposed study or program? Do you intend to captive breed the requested wildlife? Do you intend to release animals (or their offspring) back into the wild, if captively bred, or for other reasons?
 - b. **Will live wildlife be relocated, reintroduced, or translocated (“*in situ*”)?** For each species intended to be relocated, reintroduced, or translocated within the wild, provide the required information per species requested to be relocated or translocated within the wild.
 - 7) **Amended Geographic Location and Description:** For specific species or taxonomic level(s) and/or activity requested select the county(ies) or other geographic area(s) from the drop down list(s) in which you plan to conduct activity(ies) for the duration of the permit. To help expedite permit review, provide the specific location(s) of study area(s) of the proposed activities, when known. When specific county(ies) or other geographic areas are not known at the time of application, indicate if planned activities are statewide, or range-wide for a species (e.g., if planning to conduct surveys on a contract basis in the future, such as presence/absence surveys, county(ies) and/or specific locations may be provided later, and you may be required to submit an application for a Specific Amendment). For each specific location or study area, provide the following specifics, including justification, and the finest scale location description possible under “Details”
 - 8) **Amended Disposition Location of Wildlife Specimens, and/or Parts:** For each Proposed Disposition Location, click “Add New Record” below, and enter the Name and address of the public, scientific or educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited. Several questions follow that may only be applicable to wildlife taxonomic groups or species that fall under the review of one review program.
 - 9) **Amended Role of Proposed Authorized Individuals:** For each proposed Authorized Individual, click “Add New Record” below, select the SC ID of the Authorized Individual from the drop down list who will work independently on the permit. In the “Role Details” field, explain the role the individual will provide for the study or planned undertaking, including: species and/or taxonomic group(s), take and/or possession activities, methods, procedures and general locations the individual will be working in.
 - 10) **Attach Additional Supporting Documents:** To attach additional supporting documents (e.g., copies of Federal or other permits or applications for such permits, or study proposal in scientific format, literature cited, relevant protocols or other information requested in this application), click “Upload Attachment.”



Section 5 – Other Permits and Environmental Documents Provide a complete copy of current federal and State permit(s), or applications for such permits that apply to this amendment application, and any other written State authorizations, such as a current MOU, if applicable.

Section 6 – Amendment Certification Verify all fields are complete and required documents are attached, sign (electronically) and date.

REPORTING REQUIREMENTS

The Mandatory Wildlife Report (form DFW 1379a), or “Report” is required for every General and Specific Use level permit. Each permit may have slightly different timeframes for frequency of submission of the Report, so check permit Authorizations and/or conditions for details on submission frequency and timing. The report form is available with separate instructions at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting> in a fill and save format. Upon completion of the electronic report, send it to the correct contact listed in your permit conditions. If no contact is specified in your permit conditions, send the report to SCPPermits@wildlife.ca.gov. Any other report format required pursuant to Title 14, subsection 650(p)(2), and specified in the conditions of your SCP shall also be submitted by the specified timeframes. See also Standard Conditions for all Scientific Collecting Permits (form DFW 1379d), Standard Conditions G and I for more reporting guidance.

PAYMENT POLICY

The Department accepts cashier’s checks, money orders, personal or business checks,* or credit cards.** If a receipt for payment is needed before the amendment is issued, please notify the Department when the application form is submitted. The amendment fee is non-refundable for all permit categories and types - refer to Title 14, subsection 703(c), CCR for details. Amendment fees shall be submitted with the amendment application, or the Department may refuse to issue the amendment, and may change the approval into a denial.

***Personal or business checks** will be accepted by the Department if a name and address are imprinted on the check. A check returned to the Department due to insufficient funds will render your permit invalid. Make checks payable to the Department of Fish and Wildlife.

****Credit Cards** – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>.

Cash can no longer be accepted at Department offices as of January 1, 2017.

NOTICE

Disclosure Statement - Under Section 650, Title 14, of the CCR, the Department is authorized to collect information from applicants to maintain a record of licensure. Under Fish and Game Code Section 391, personal information submitted on this application may be released for law enforcement purposes, pursuant to court order, or for official natural resources management purposes, or as may otherwise be required under the California Public Records Act. Issued SCPs are public records, and their related applications may be subject to public disclosure under the California Public Records Act, or other applicable law. People with concerns about records being released to the public should contact CDFW before submitting an application.

A licensee or Permitholder may obtain a copy of his/her license records maintained by the Department by submitting a written request to the Custodian of Records, Department of Fish and Wildlife, License and Revenue Branch, 1740 N. Market Blvd., Sacramento, CA 95834 or lrb@wildlife.ca.gov. All requests shall include the requestor’s name, address, and telephone number.

Amend sections 650 and 703
Title 14, California Code of Regulations
Re: Scientific Collection Permits and Forms

Public Comments- Section 650 Regulation Change 2024

1.

From: Brian Patrick <brianpatrick760@gmail.com>

Sent: Wednesday, September 4, 2024 11:30 AM

To: Wildlife Regulations <Regulations@wildlife.ca.gov>

Subject: PROPOSED 650 SCP Regulation Updates (January 2, 2024 Updated List)

Dear Hillary Sardinias or To Whom This May Concern;

As a lifelong hiker, naturalist, and lay entomologist who is careful to abide by state and other wildlife regulations, I am hereby opining on the proposed updated California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List dated January 2, 2024, during the comment period, before it goes into effect. My life has been dedicated to an understanding of the ecological realm around me and I have been mentored by some of the finest current and deceased names of California entomology such as Dr. John Emmel, Dr. David Marriott, Kilian Roever, Todd Stout, and Kenneth Davenport. I have some specific observations and general opinions about the process and the list.

To begin with, I am glad to see the TVPICP list evolving with the changing times; the current list is a full seven years old and much about our biosphere has progressed and we have more information about a number of taxa included on it. For instance, I do note that *Euphilotes mojave* is no longer included on the updated list; I assent to this change, as recent experience in the extremely rainy years of 2023 and 2024 have revealed a robust and resilient population in southern California's Mojave Desert, with diapausing pupae readily activated by winter and early spring precipitation. I myself, personally, witnessed numerous specimens (did not collect any) in the Llano/Pearblossom region of northeastern Los Angeles County's Mojave in late April of 2023, as did other hikers.

However, I continue to have questions and concerns. For instance-- I see the change in the status of the monarch butterfly; instead of the binomial species simply being listed as on the present list, the entity named is "*Danaus plexippus plexippus*; overwintering population 1" on the proposed new TVPICP. How is this defined? California is home to numerous and diverse populations of this iconic butterfly: those that overwinter in the classic overwintering spots on the coast; those that overwinter in inland deserts; those that overwinter "in place" where the weather is mild enough; and those that do not overwinter whatsoever and continue to breed actively all throughout the year in both gardens on

cultivated milkweed, and in low-elevation, mild-weather wilderness on the native milkweed. Which monarchs are included as "overwintering population 1", and which are not? Some clarity would be appreciated.

1c **My next concern regards the entire premise of much of the list. In theory, the list protects vulnerable terrestrial and vernal pool invertebrates from wanton take. In practice, the list stifles all but extremely narrow and limited officially-sanctioned research on taxa that in most cases are poorly understood, after the payment of a hefty fee.** In an era of constant budget cuts and reprioritizing in the science departments of museums and universities, there is simply not a lot of biological staff to go out and perform the requisite fieldwork on the entities in question. Most people do not do this work out of "the goodness of their hearts". That is why other states' wildlife programs such as the Nevada Division of Natural Heritage actively solicit all public participation (in the form of reaching out to amateur entomologists, botanists, and the like) for ongoing observational data for their equivalent of the TVPICP list, rather than stifling all collecting of organisms not already state- or federally protected under the ESA. Since the official January 2 California TVPICP list itself states clearly in its own header: "*This TVPICP List does not give any species included on the TVPICP List any formal legal status*", why is a cumbersome and highly expensive permitting process needed in the first place for most of the named species and subspecies? Surely there are better ways to manage taxa of special concern.

1d **To highlight two cases where I see the present regulatory regime of the TVPICP being counterproductive, I will highlight two Lepidoptera insect species in the state: the aforementioned monarch butterfly (*Danaus plexippus plexippus*) and the San Emigdio Blue (*Plebulina emigdionis*).** In the case of the former, a lot of individuals are wondering what the logical purpose is in restricting all public contact with an extremely abundant urban, backyard insect, with worldwide range, that most citizens of California will see passing through their home gardens at some point--if not actually breeding and residing in them the whole season. As a highly visible and charismatic species that has adapted well to anthropogenic development and habitat conversion--do we really want the next generation of budding naturalists to lose any connection to such a "people friendly" insect that almost anyone can experience with ease? Veteran lepidopteran ambassadors Robert Michael Pyle and David L. Wagner made this point extremely readily in their recent editorial in the NEWS of the Lepidopterists' Society (Volume 65, Number 3):

"And yet, with the California monarch example before us, we see the specter of reactionary, poorly conceived responses to declining insect numbers. As if such 'don't touch' rules might actually help the monarchs or slow global rates of insect decline? What if Fred Urquhart and his cadres of monarch taggers had been so hobbled? We would likely have

next to no monarchs, because the Mexican forests would have been cut by now, that's what." (p. 109)

While on the subject of *Danaus plexippus*, I would like to refer you to one of the most recent comprehensive, up-to-date papers as of January 2024 on the status of the Western monarch population by world-renowned monarch entomologist Dr. David James (keynote speaker of the Western Monarch Summit, 2023) of Washington State University, found at <https://www.mdpi.com/2075-4450/15/1/40> detailing the phenomena of all-winter breeding and adaptations to climate change, Oe infection, and the future of the migration. Just this summer, the official Monarch Watch blog published an editorial: "Monarch Population Dynamics: Issues Of Scale" by the seminal authority Dr. Orley ("Chip") Taylor, ridiculing the notion that human gardening or rearing activities can amount to anything more than a tiny drop in the bucket compared to mass winter mortality events: <https://monarchwatch.org/blog/2024/06/28/monarch-population-dynamics-issues-of-scale/>. It is safe to say that there is a growing consensus by monarch biologists that recreational collecting or butterfly-gardening poses no harm to the species; at the very least, available data on the matter is both highly inconclusive and rapidly evolving.

In the case of the latter insect (admittedly a taxon of restricted habitat and range), I will point out that California's recent multi-year project to widen and "improve" the on- and offramps of Stoddard Wells Road (exit 157) off Interstate 15 in Victorville at the Mojave River crossing, home of probably the largest and most stable colony of the **San Emigdio Blue**, has probably destroyed more *P. emigdionis* individuals and precious habitat than all that have been collected by recreational and professional entomologists in human history. How does it make sense to restrict a handful of folks with a net from catching some of a species of interest for which data is supremely valuable, when acres of precious saltbush bottomland can still be eradicated in the name of "progress" in an instant--*especially when Cal Fish & Wildlife itself admits that its list bestows no formal legal standing in the first place?*

^{1e} **It is my contention that mere extent of presently known range (i.e. NatureServe S1/S2 ranking) should not be the deciding factor in whether to grant official listing.** An organism might flourish abundantly in a small range if habitat is preserved, and might struggle in a much larger geographic area in the face of development, climate change, or other factors. This is an area where **the pursuit of knowledge** rather than a rote, formal ranking process should be the overriding concern in wildlife management. What if an organism's actual range is greater than thought, and what if an organism with a larger range is drastically declining throughout? The only possible end result of such policies as a blanket inclusion of all local endemics of a region (such as those of the White Mountains of CA/NV in Inyo

and Mono Counties) will be to silence most, if not all, data collection on some of the most unique, specialized, niche biological entities on the planet.

In conclusion, I am simultaneously glad to see a revision being considered of CFW's TVPICP state protected list, and yet feel that this is a discourse that should be far from over. While acknowledging the intent of the list, I believe many of us have had a great deal of questions and doubts about it since its inception in modern form in 2017. I feel that the example of the state of Nevada in regards to its own sensitive species list is the one to follow--one of inclusion and partnership rather than "thou shall not touch"--if the name of the game is getting real-time, relevant information by the year about arthropod taxa that are in many cases simply not well enough known to make definitive conclusions about the final status of, if we care about their long-term future.

Sincerely yours,

Brian P. Banker

8302 Cravell Ave.

Pico Rivera, CA 90660

562-298-0204

2.

From: Chris Quock <cqotherprojects@gmail.com>

Sent: Wednesday, September 25, 2024 1:49 PM

To: Wildlife Regulations <Regulations@wildlife.ca.gov>

Subject: 650 SCP Regulations - Public Comment

Hello,

As I read the proposed changes to Subsection "(u) Exemptions," the specifically dated June 12, 2017 TVPICP list would be replaced with a link to the updated TVPICP list. And the presence or absence of taxa listed there is a condition of which terrestrial invertebrate species are covered by an SCP.

2a Additional language is needed to safeguard the continued use and transfer of specimens between individuals and institutions for scientific, educational, and propagation purposes in cases where this material was originally obtained without the explicit need for an SCP. Without such explicit exemptions, investigators, museums, and other institutions working on or transferring specimens belonging to taxa that were not originally included on the TVPICP list but now could potentially be held legally liable for continuing to possess or work on such material. For example, would collections that include stored individuals of *Bombus caliginosus*, *Danaus plexippus*, etc., obtained before these species were placed on this and other relevant lists, now require additional permits from the state after the fact to continue to possess, transfer, or conduct further research on them?

If no exemption clauses are explicitly included for the possession and transfer of arthropod specimens that were not listed at the time of their collections, I worry that the only remedy to avoid future complications would be for all collectors to attempt to obtain an SCP regardless of whether or not they're working on terrestrial arthropods currently exempted by the language of (u)(5) or not. This could nullify this section; restrict the activities of parataxonomists and other working groups who may be less likely to receive SCPs but whose donations of vouchers are still valuable for some institutional collections and collections-based research, and negatively impact the tried-and-true methods many entomologists have used for years both recruit new researchers through the hobbyist-to-professional pipeline and to better understand this state's understudied entomofauna.

3.

California Dept. of Fish and Wildlife
Wildlife Diversity Program
C/O Hillary Sardinias, Senior Environmental Scientists
P.O. Box 944209
Sacramento, California 94244-2090

From Ken Davenport
8417 Rosewood Ave.
Bakersfield, CA 93306
California Season Summary Coordinator
The Lepidopterists Society

I am the person who publishes notable records each year in the annual Season Summary (for the past 25 years) and keep track of butterfly species and subspecies (when possible) distributions by county. Looking at the list of butterflies for California. That the state of California deems worthy of protection I noted several butterflies are actually quite common but live in a mountain range where they are endemic. But equating being
3a endemic to endangered or threatened is a dangerous precedent which can lead to needless regulations. I do collect butterflies for my personal collection and had prior experience with some on your list I will mention. That is particularly true of some butterflies found in the White Mountains in California and Nevada. Paul Opler recommended protecting some White Mountain Butterflies because of a perceived threat from a possible range extension of "cheat grass" years into the future. But is it wise to list something not endangered for many years into the future?

Also, is it wise to always accept the recommendations of conservation groups which are really in the business of listing as many species as they can? The Xerces Society was asking for 880 million dollars a year to save the Monarch migration and in their original proposal did not claim the Monarch was endangered at all, only their migration was. Now we know Monarchs are overwintering in the coastal plains or valleys from the Bay area south to San Diego and are much more common in city gardens and suburbs than they are at overwintering sites.

That has been published in 2 scientific studies and shared on leps serves and another scientific paper by scientists which disputes Monarchs are endangered at all. They occur in 48 states and in almost all counties in most of those states. Monarchs continue to be regularly seen and reported in most of the state, but not so much in the Central Valley where current water practices and pesticides and long term drought hinder Monarch travels. Reports that Monarchs have not been seen along the proposed high speed rail line are blatantly untrue. The migration route crosses the current Union Pacific and BNSF railroads and the proposed high speed rail route. Monarchs even breed at Caliente in the Tehachapi Mountains where the rail lines occur in most years. I note Monarchs regularly visit the southern Sierra Nevada in the Sherman Pass area above 5900' for permanent water and late season flowering plants and milkweeds. The proposed high speed rail route also goes through historical colony sites for the San Emigdio Blue Butterfly which may now be gone from Highway 58 construction along Cameron Rd. from, long term drought and heavy mudslides, but a colony still exists

upstream along Cache Creek in Sand Canyon in the Tehachapi Mountains. That area near Cameron Road is also heavily populated by Joshua Trees, another endangered species listed by the state. My point? Listing species not really endangered can have serious consequences but so can ignoring species that really are endangered, which may be the case with the San Emigdio Blue (*Plebulina emigdionis*) threatened by human development, a lowering water table and long term drought which has destroyed many of its former colony sites.

Here are some of my comments:

- 3b **Monarchs (*Danaus plexippus*):** Read all the comments on the Federal Register. 4 of my comments were made there and so were many good comments made by city butterfly gardeners and normal citizens. There are good reasons the Federal Government has not chosen to list Monarchs as endangered.
- 3c **Carson Nokomis Fritillary (*Speyeria nokomis carsonensis*):** The main reason this was listed in Nevada was to safeguard the water supply for the butterfly which Carson ^{city} wanted to take for city use. What you should know: *Speyeria Nokomis apacheana* is commonly distributed in California in Inyo and Mono Counties and it appears *carsonensis* is really a synonym of *apacheana*. Collectors who have examined specimens of *carsonensis* at museums or shown to us show no visual differences with the more common *apacheana*. Based on that, collectors are not going looking for *carsonensis* so far as I can tell. The so called distinguishing marks are quite visible on *apacheana* collected from Round Valley and Rovana in Inyo County or in Mono County.
- 3d **The Incana Ruddy Copper (*Lycaena or Tharsalea rubidus incana*):** Emmel, Emmel & Mattoon listed this as a California butterfly in their 1998 state checklist but I know of NO state records, the few that have been collected were in Trail Canyon in Nevada. The likely main habitat in the Nevada White Mountains is apparently not accessible by roads. The subspecies *rubidus* and *monachensis* in California are common. Few collectors (probably 20 or less in the state) even care about subspecies. I have not seen or collected *incana*.
- 3e **Bohart's Small Blue (*Philotes speciosa bohartorum*):** No one has collected this blue since 1970. Why list it at all? It would seem that we would encourage people to rediscover this blue, find the habitat and host plant. Example: It was thought *Euphilotes "battoides" comstocki*, now *E. glaucon comstocki* was extinct, no one had seen one in 50 years. One day 50 years later, it was rediscovered not in the Tehachapi Mountains where it was believed extinct but in the Southern Sierra Nevada and in the Piute Mountains on the same day. Now we know this blue is one of the most common blues in the Southern Sierra Nevada and Piutes and Greenhorn Mountains as far north as Whitney Portal in Inyo County and recent photographs show it still occurs in the Tehachapi Mountains as well.
- 3f **Bauer's Blue (*Euphilotes baueri*):** This blue apparently occurs fairly commonly locally in the White and Inyo Mountains in remote areas off the beaten path. The North

American Butterfly Association does not even recognize it exists as a species. They treat it as a "battoides." It can be common in the Westgard Pass area east of Big Pine in wet years.

- 3g **Smith's Dotted Blue (*Euphilotes enoptes smithi*):** A recent scientific paper in the Journal of the Lepidopterist's Society (by Richard Arnold if my memory is correct) documented that *smithi* is a very common and widespread butterfly which does not appear to need continued listing as endangered.
- 3h **White Mountains Greenish Blue (*Plebejus* or *Icaricia saepiolus albomontanus*):** Why was this listed? I found this to be a very common blue and widespread in the Bristlecone Forest in the White Mountains in wet years in June, less common in late July when they do the White Mountains butterfly count. The main flight is in June or early July when melting snow waters host plants on the hills and roadsides, they are not limited to wet meadows. Endemics are not always endangered or threatened.
- 3i **White Mountains Boisduval's Blue (*Icaricia icarioides albihalos*):** Why was this blue listed? it is one of the most common butterflies in the White Mountains range extending down to Silver Canyon at the foot of the 4 X 4 grade creek crossing and common in Queen Canyon, Esmeralda, Nevada at low elevation.

- 3j There are other butterflies I have mixed feeling about whether to list or not list as threatened or endangered. The San Emigdio Blue is threatened by large highway projects and interference with water drainages, they do well with 2 lane roads already built but not with multiple lane highways or human development. They tend to be common where found but are usually very localized in occurrence. A recent article recommended some protection and I would agree with that need.

Other species you list I have no strong opinions about.

Ken Davengert

4.

Ken H. Osborne
Osborne Biological Consulting
6675 Avenue Juan Diaz
Riverside, CA 92509

September 29, 2024

California Department of Fish and Wildlife
Wildlife Diversity Program
c/o Hillary Sardinias, Senior Environmental Scientist, Specialist
P. O. Box 944209
Sacramento, CA 94244-2090

RE: Comments on the Proposed Changes to Terrestrial Invertebrate Scientific Collecting Permit Regulations (650 SCP Regulations).

To Whom It May Concern:

I appreciate the opportunity to provide commentary on the proposed regulatory change to the SCP list of at-risk terrestrial invertebrates of California, and appreciate the readers' patience in wading through my hastily assembled collection of thoughts. My commentary will briefly cover a broader spectrum of concerns or issues I have with the SCP process (probably beyond the scope of your intended queries), the criteria by which species are added to and/or removed from the the at-risk list, and finally some selected examples of taxa worth reexamining for removal from the list or others worth adding.

I am an entomologist of record with more than 60 years' experience (including my childhood) in which entomological pursuits have been most prominent in my life. My degrees and entomological, my ongoing (27 years) independent practice in biological consulting (focused on rare, threatened, and endangered insects) is primarily entomological, my professional research, publications, societal memberships, as well as avocational pursuits have been entomological. I if I am not known to you, perhaps among resource agencies, I am best known by USFWS biologists and administrators from offices of California and the pacific states in general.

In summarizing the below:

- 4a I question the value and validity of CDFW adding to the at-risk list those species or populations (subspecies) that are subject to extirpations primarily by natural processes.
- 4c I question the validity of adding to the list species on the basis of very limited information (such as one worker's finding or the opinion expressed in a single publication).
- 4d I advocate for a posture wherein CDFW might be receptive to continuous updating of the list – including an objective protocol or means of removing species from the list when evidence invalidates the “at risk” findings.
- 4e I recommend relaxing/avoiding SCP requirements for professional and avocational sampling efforts while advocating for strict enforcement and prohibitions against commercially motivated collection of species (sensitive or not) for sale to collectors and investors.

I make brief comments regarding status of a few species.

4a **On listing criteria:** I notice that a substantial number of taxa on the list are lepidopteran (butterfly subspecies) of high elevations, particularly of desert regions, and others associated with desert-edge wetlands of eastern sierra slopes. Many of these taxa are far from any threat of impacts from development or land use practices (as they are in high alpine habitats of remote mountains on National Forest and National Park lands) but are rather “at risk” from the long-term ongoing process of climate change (more on this to follow below). Recently I was retained by geothermal energy developers in Nevada to investigate a subspecies associated with hot springs in northern Nevada. This subspecies Bleached Sandhill Skipper (*Polites sabuleti sinemaculata*) had been proclaimed (by the author who described it) to be endemic to one hot spring locality – proposed for geothermal development. The Center for Biodiversity consequently proposed federal listing as endangered, and followed suing the USFWS for failure to list it. While this controversy has been brewing, I have conducted more field investigations of several hot spring sites within 75 kilometers of the site and discovered the butterfly is not endemic to one site, but is distributed over several hot springs spanning some 35 or so kilometers. In the end, while the butterfly is not endemic to one spring, it is of restricted range over several springs. Federal listing proposals were petitioned before the full biology had been worked out, and understandably given the imminent threat to the one known site posed by development. This all serves as an example of how this process proceeded on incomplete information ultimately biased by a single biologist who originally made an unsubstantiated claim of “endemicity”. With my findings, I officially remain neutral on questions of whether and how developments or conservation should proceed. My client has given permission for my publication of my results after three years of study. I bring this case up because that particular butterfly is one of many “new subspecies” published by the same small cadre of lepidopterists – many of these on the SCP list – which has apparently relied on their non-peer-reviewed publication and on advice of some of its proponents.

4b “There has been a relatively recent proliferation of described *P. sabuleti* subspecies largely owing to more sustained interests of Austin (1987) followed by Emmel, Emmel and Mattoon (1998), Emmel and Emmel (1998) so that today there are at least a dozen described subspecies. These later publications collectively couched within the “*Systematics of Western North American Butterflies*” edited by T. C. Emmel (1998), involved a small clique of lepidopterists, actually offered *no systematics*, and became a tome of alpha-taxonomy for 225 butterfly subspecies, with non-independently reviewed “papers” formatted in the style of journal articles. It has been derided by many lepidopterists as a vanity piece. Dr. Jerry Powell, U. C. Berkeley specialist in Lepidopteran systematics, openly announced in session to attendees of an annual meeting of the Lepidopterist’s Society that “this [work] has, in a single stroke, set the study of Lepidoptera back 50 years!” (Powell, 2000, Annual meeting, Pacific Branch, The Lepidopterists’ Society. Ashland, OR). Nearly a century earlier, lepidopterist W. J. Holland wrote a two-page digression on “Splitters and Lumpers” (Holland 1903). “When the two faculties of discrimination and generalization are well balanced and accompanied by the habit of patient observation, ideal conditions are reached, and the work of the naturalist in classification may be expected to stand the test of time. But where, as is often the case, one of these faculties is exalted at the expense of the other, there are certain to result perversions, which will inevitably cause trouble to other students.” ” (Excerpt from Osborne 2023 on the Bleached Sandhill Skipper).

4d Needless to say, you may find disagreement among workers in the field as to what warrants inclusion on your lists. The upshot of all this is that CDFW should not rely on the say or opinion of an individual if there be a large field of experienced biologists, and might do well for our resources and the California tax payer, to be flexible and adjustable as new information on species is developed.

- 4c It appears to me that the listing of so many species inhabiting higher elevations of the Sierra Nevada and White Mountains (for example) can only be attributed to perceptions that 1) they are at risk from climate-change induced ecological changes and 2) at risk of collectors, for there appears no other plausible menace for things living among the barren rocks and alpine tundra at 12,000 feet on Barcroft Peak of the White Mountains! As to Climate Change; Twenty thousand years ago, much of the continent was covered in deep ice sheets and a Madrone-Redwood forest clothed the Los Angeles Basin (so pollen fossils tell us). Twelve thousand years ago at the close of the last major period of glaciation, mixed deciduous/conifer woodlands (oak, pine, and juniper) stretched across the Mojave Desert (per carbon-dated materials from pack rat middens), and great lakes of glacial melt filled enormous basins – The Lahontan, Bonnieville, Mono basin, etc. - across what is now eastern California, Nevada, Utah, Idaho, and Montana. Undoubtedly, the same alpine species that have “sub-specified” across the different mountain ranges, once lived as well on places like the Inyo Mountains and the Panamint Mountains – but have long ago vanished with the inexorable changes of climate. The process continues. The changes are not only the result of carbon dioxide proportions in the atmosphere, but also derive all the way to something like a 28 thousand year Mondrian Cycle (Milankovitch Cycles) of the Earth’s precession as it spins on its axis – slowly and inexorably changing, in cyclic fashion, the intensity of seasonal solar incidence at the poles. Over the last 50 million years, plate tectonics brought the North American Plate into polar regions, to progressively accentuate the ice accumulation (on land) process. Although the human insatiability for fossil fuels goes on, perhaps exacerbating this change, and will likely end sometime this century, quite frankly and bluntly, there is not a God Damned thing the CDFW can do about it! Why are we spending Californian’s tax dollars on these species? If needing to continue in this vein, then perhaps CDFW should augment the SCP list with all the other species that will be impacted by coming changes over future millennia – such as those at risk from future major marine transgressions after the polar ice caps melt, of following tsunamis . . . so maybe add all species that are obligate to marine estuarine habitats (which are surrounded by development and will be flooded out). Thus, I advocate removal from the list of taxa that are “at risk” of predominantly natural processes (if this is at root the major criterion for listing): These include *Polites sabuleti albamontana*, *Hesperia miriame longaevicola*, *Icricia icarioides albihalos*, and *Callophrys sheridanii comstocki*. Some species listed are widespread outside of California and only just barely incur into our state, i.e. *Bombus morrisoni* so if these are not at risk *at large* then why are we expending our tax dollars to their consideration?
- 4f In this vein, I recommend CDFW develop an objective protocol for the removal of species from the list whereupon field evidence documents the risk overrated. For example, if the known number of documented population sites of an at-risk species were doubled (an arbitrary proportion I merely suggest here) then that species would be downgraded or removed from the list. As another example, the assumptions implicit in developing the scientific findings of diminished range for a species are found invalid, then the CDFW status for the species might be suspended. These “reviews” take time as those of us out here in the world are not tasked and paid to investigate the entities proliferating on the list. In the “by and by” more information comes to light (such as with Crotch’s bumble bee mentioned below) and CDFW should have the flexibility to make rapid emendations.
- 4e As for collecting: A couple of years ago the CDFW, following its legislative mandate to “manage” all Californian wildlife (this includes insects and other terrestrial invertebrates), the proposed requirement of SCP for all collecting activities – even those avocational – met with resounding opposition from across the entomological community, for this community realized that such requirements would effectively portend the beginning of a Dark Age for our science, or an end to field inquiry and our rapidly progressing knowledge of species distributions, their life histories, new species, prompt

discovery of newly invasive species, and of diversity in general. There is a nearly universal consensus that professional research and avocational collection efforts do not pose realistic threats to our species – even (generally) for those that are perceived as “at risk”, but that these efforts are responsible for the lion’s share of our knowledge of insect and invertebrate species composition within our state. In saying this, I want to distinguish commercial collecting from activities mentioned above. Some commercial enterprises, such as collection of overwintering aggregations of lady-bird beetles (*Hippodamia convergens*) for sale to residential gardeners (the beetles just fly back to the highlands to continue overwintering) or collection of mantid oothecae for similar use, do not pose risk to our ecological systems or to biological diversity. I do not consider **commercial collecting** – where specimens of rare species are sought and collected for sale to collectors or investors (the larger the collections, the more profitable and more damaging) – as a benign process. CDFW should be vigilant on regulating and enforcing the commercialized exploitation of rare and sensitive taxa (many not on the SCP list) for collections. There is a vast difference between the explorative sampling practiced by many field entomologists, and the targeted stripping of all available individuals of a rare or “collectible” commodity. Just look at the extinctions of rare island cacti by collectors in the Sea of Cortez.

On specific taxa:

- 4g Since the candidate status and now the emergency listing of Crotch’s bumble bee (*Bombus crotchii*), I have been engaged in developing and delivering workshops to consulting biologists on CBB field survey methods and identification of all southern California *Bombus*. Here in southern California, CBB is distinctively different from the several other *Bombus* species here, and thus facilitated our surveys for the species using photography and not needing to net, cool, vial, and photograph captive bees for documentation. Thus we have been able to proceed without need (or the significant onus) of SCP and applications for same, for this work. In my many decades experience here in southern California, CBB has been nearly ubiquitous and remains so today. With well over a dozen project sites investigated in the last two years, all but two had CBB, and most of the time it was encountered quickly on the initial site visit. Outside of project sites, I regularly encounter CBB in nearly all wildland localities I visit throughout southern California (excepting desert regions) south of San Louis Obispo County. This species is certainly not at risk here in southern California – a conclusion I share with Dr. Doug Yanega (bee authority and curator of the UC Riverside Entomological Research Museum). It appears that faulty science (assumption that museum records forming the basis of original range estimations, represented random samples – they do not) lead to the invalid conclusion of range diminishment for the studies that had bearing on CDFW decisions with regards listing CBB.
- 4h Finally, the SCP list has many taxa belonging on the list. Some of the estuarine tiger beetles are listed appropriately, for they now exist with only a few extant populations. One such, not currently on the list is *Cicindella gabbi* (now *Eunota gabbi*) a tiger beetle taxon that should be listed as it remains with only about four populations, primarily on military bases along the coast.

Respectfully submitted



Ken H. Osborne

**STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
TRANSCRIPT SUMMARY OF THE PUBLIC HEARING**

Subject: Amend Sections 650 and 703 of Title 14, California Code of Regulations to update the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List.

Date: October 1, 2024

Time: 11:00 a.m. – 12:00 p.m.

Format: Virtual Hearing via Zoom (link and access information posted to:
<https://wildlife.ca.gov/Notices/Regulations/SCP-Invertebrates>)

CDFW staff attending: Brian Hennes, Attorney; Ona Alminas, Regulations Unit Manager; Mike Randall, Regulations Unit Analyst; Dr. Hillary Sardiñas, Wildlife Branch Senior Environmental Scientist (Specialist); Dan Applebee, Conservation and Recovery Unit Supervisor; Chad Hirano, Wildlife Branch Environmental Scientist.

Members of the public attending: Brian Banker

Presentation on the proposed regulations

11:00 a.m. Dr. Hillary Sardiñas, Statewide Pollinator Conservation Coordinator, Wildlife Branch:

All right, so thank you so much for joining our public hearing on the proposed changes to Section 650 and 703 of the California Code of Regulations that refer to the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list. This hearing runs from 11:00 a.m. until 12 noon, though if needed, we can go longer if we don't get to all the comments in the time allotted.

My name is Hillary Sardiñas and I'm the Statewide Pollinator Coordinator in the Wildlife Branch and will lead today's public comment session. First, I'll briefly review the logistics of today's session, then present on the proposed changes. After the presentation we'll transition to the public comment period.

So the purpose of this hearing is to receive public comments on the proposed changes to Section 650 and 703. CDFW may respond to some clarifying questions but will not respond to all public comments received during this hearing. That said, CDFW will respond in writing to all comments, both written and oral, in the Final Statement of Reasons for the proposed regulation change. This meeting is being recorded, and by speaking at this hearing, you consent to being recorded and acknowledge that your comments will be entered into the public record.

If you're unfamiliar with the Zoom platform, the navigation bar is at the bottom of your screen. For example, if you'd like live captioning, you can select show captions in the navigation bar. You can also raise your hand there to be added to the queue for providing comments. You may have noted that all attendees were automatically muted upon entry to the meeting. You'll be given the opportunity to provide your comments once this presentation is completed. Again,

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raise your hand so we know you want to provide an oral comment. We'll invite you to unmute when it's your turn. Please be respectful of all commenters opinions and do not interrupt any speakers. If this does happen, we'll mute you. While we don't anticipate this being the case, if there's a high volume of interested speakers, we'll add a time limit of three minutes to the comments and if you're unable to complete your comments in this time period, you can submit additional comments in the chat or e-mail them to regulations@wildlife.ca.gov and please include "650 SCP regulations" in the subject line so we know to which regulation your comment pertains, and we will consider all written and oral comments.

I'll now summarize the proposed amendments to the regulatory text of section 650. First, we propose adding a new subsection (a)(8) that clarifies that SCP regulations do not apply to the take of any state threatened, endangered, or candidate, or fully protected species. The take of CESA designated or fully protected species must be authorized through other permitting pathways, and CESA is the acronym for the California Endangered Species Act. Second, we propose adding a new subsection, (a)(9), that incorporates by reference the new Terrestrial and Vernal Pool Invertebrates of Conservation Priority List with a revision date of January 2nd, 2024. Third, in subsection (i)(1)(D), we propose changing "is required" to "may be issued" to clarify that the Department will consider potential deleterious impacts to terrestrial and vernal pool invertebrates on the list and determine whether a general use scientific collecting permit may be the most appropriate permitting tool. All of the other proposed changes are minor and either serve to improve consistency with how the new Terrestrial and Vernal Pool Invertebrates of Conservation Priority List, as defined in new Subsection (a)(9), is referenced in the regulatory text, or to address grammatical issues to increase clarity without changing the original meaning of the text.

This regulation change specifically focuses on updating the references to the new California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List, which is abbreviated as the TVPICP list on the text on the slides. The current regulations reference a 2017 version of the list. Additional information on the status of California's invertebrate populations has become available since that time. Thus, the goal of this regulation change is to update the references to the new list to ensure the regulations incorporate the most up to date risk rankings and scientific information.

Except for CESA designated, or fully protected species, the species on the list are those for which a specific or general use scientific collecting permit for education, research, or propagation related activities that could result in "take" is required. In case you're unfamiliar with how "take" is defined in the California Code of Regulations, it is to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill, as well as collecting, handling, marking, manipulating, or conducting other procedures on wildlife in the state.

The new Conservation Priority List was developed using the same criteria as the 2017 list. So, it's species with NatureServe state rankings of SXSH, S1, or S1S2, and these were included because the rankings demonstrate that the species populations within California are imperiled due to one or more factors. The NatureServe rankings are utilized by California's Natural Heritage Program, the California Natural Diversity Database, otherwise known as CNDDDB, and the NatureServe rankings are considered standard and used by all other state natural heritage programs in the US. We also included species that are listed under the federal Endangered

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Species Act as endangered or threatened or that are candidates under the federal ESA. And by applying these criteria, we determine that there are 9 species that should be added to the list, while 47 should no longer be included.

The 2024 list can be found on the proposed rulemaking page, and it will be added to the Department's Wildlife Research Permitting page upon approval by the Office of Administrative Law. If you want to review the 2017 list, it's available on the Wildlife Branch Research Permitting website shown here and I think one of my colleagues will be able to add that to the chat as well as any links and if not, I'll do that after this presentation.

I also just want to point out a few minor changes in the new list in terms of content and formatting. So first, in case there are taxonomic revisions between list updates, we included a column for author and date and then we also alphabetize the list by order to improve searchability.

So this is a list of species that were added to the 2024 list based on the criteria that I just reviewed. This table can be found in the Initial Statement of Reasons for the regulatory change on the website provided and many of the species that are added to the list in 2024 occur in a small geographic area, such as the yellow-banded andrenid bee and the Antioch cophuran robberfly, both of which occur in the Antioch Dunes. Therefore, only individuals engaging in research, education, or propagation in that area would be impacted by these additions.

And it is unfortunately a little tricky to show all of the species that were removed in PowerPoint format so I'll show them on two slides but you can also go to the website for the proposed regulation change and access this list in the Initial Statement of Reasons. I want to mention that two of the invertebrates were removed because there's no valid species description. This is the Santa Cruz telemid spider and the Doyen's dune weevil.

Here are the remaining species that were removed, and for all of these species that were removed in the 2024 list, the S rank of the species was revised such that the species no longer meets the criteria that I had outlined.

If we transition to Section 703, it contains several forms incorporated by reference that refer to this 2017 Terrestrial Invertebrates of Conservation Priority List, including the terrestrial wildlife general and specific use applications and amendments. As you can see in the excerpt at the bottom of the slide taken from one of the documents, we now refer to the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List, as defined in (a)(9), the newly added subsection in 650 and this is so that we won't have to amend section 703 in the future when the terrestrial invertebrates list is updated. And because of these revisions, we updated the revision date on the top of each form and in all cases that is January 2024.

I also just want to note that we only updated the forms in this manner. There are no SCP related fees proposed in this regulation change.

We anticipate that the proposed amendments will take effect between January 1 and April 1, 2025. They must first be approved by the Office of Administrative Law. Once they've taken effect, the updated regulations will incorporate by reference the new 2024 Terrestrial and Vernal Pool Invertebrates of Conservation Priority List instead of the older 2017 list, and the

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new 2024 list will be posted to our Wildlife Research Permits website. We will also notify all SCP permit holders.

If you want to see the final approved rule the file will be available at the website shown here, which we'll also add to the chat.

Today is the last day of the public comment period. If you want to submit written comments, you need to do so at regulations@wildlife.ca.gov by 11:59 PM tonight.

If you have questions when applying for an SCP or amending one, you can contact CDFW's Wildlife Scientific Collecting Permit Coordinator and their e-mail can be found on the Department's Wildlife Research Permits website, which is listed here. That page also contains information about all the wildlife research related permits issued by the department, as well as a link to the application portal where you can submit the necessary documents.

So, with that, the presentation is complete and we can transition to public comments.

Public Comment

Let's see, I think I can go here and see any hands raised. Let's see, Dan, I see your hand is raised. Did you have a question quickly?

Daniel Applebee: Yeah, thanks. Hillary, can you hear me?

Hillary Sardiñas: Yeah, it's a little soft but I can hear you.

Daniel Applebee: I just wanted to quickly mention, you said folks could leave comments in the chat. That chat actually doesn't work for us attendees, but they can leave comments in the Q&A. There's a Q&A feature at the bottom of the screen and that will allow you to type in a question or a comment.

Hillary Sardiñas: Great, I appreciate that. All right, so it looks like Brian Banker

Public Comments Given at Teleconference 10/01/2024

Brian Banker: Good morning, Hillary. Not sure how well the voice connection is.

Hillary Sardiñas: It's good.

Brian Banker: I have a question and a comment in that order, or if you'd prefer the reverse, we'll do that. Here's my question.

Comment 5-a. You changed the language regarding the monarch butterfly from just naming the species to *Danaus plexippus plexippus* overwintering population in January 2, 2024 revised list. Please clarify what that means. Or is it mere, for the purposes of what we're discussing, semantics?

Hillary Sardiñas: Yeah, so that was a question that also came up in other public comments and so what we did is we followed how NatureServe defines monarch butterflies and they divide them into an Eastern population and the Western population that overwinters on the coastal California and so that was the division.

Does that answer your question? Or how do you want it to be more clarified?

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Brian Banker: Ok, so it just means California monarchs?

Hillary Sardiñas: Yes. Or monarchs that are overwintering in California or are perceived as part of the Western population.

Brian Banker: Oh, here's another question. It's actually more of a comment. Are you ready for it?

Hillary Sardiñas: Yes

Brian Banker: Can you hear me?

Hillary Sardiñas: Yeah, go ahead.

Brian Banker: **Comment 5-b.** Ok, so my question and comment is, I did read the preface to the updated January TVPICP list and it states right in the introduction these species have no legal standing, assuming they're not on the CESA or the federal ESA. I mean, we've been told the past several years, you know there's a monarch caterpillar crossing your path, you can't pick it up so it can't get stepped on.

I made in my e-mail comment submission reference to the case of listed Lepidoptera species San Emigdio Blue, a species that's been battered by state highway expansion at one of its most important colony sites.

I guess my real question is what's the purpose of this whole entire process when TVPICP species can be damaged through state and or federal agency with no recourse because they don't actually have any status?

Hillary Sardiñas:. I'm curious if Brian Hennes has any comments or thoughts on the comment. Brian, can you introduce yourself.

Brian Hennes: Yeah, can you hear me right now?

Hillary Sardiñas: Yes, thank you.

Brian Hennes: Ok. And I'll try to turn, I turn video on, but that's fine. Hey everybody, my name is Brian Hennes. I'm an attorney for the California Department of Fish and Wildlife.

Ok, it's a complicated question, I'll at least take on part of it.

That explanation of the introduction of the 2024, the new 2024 list, is intended to clarify that the list itself does not convey any particular legal status to the species that are on that list, and so the list there is a legal effect to the current SCP regulations, incorporating by reference the 2017 TVPICP list. And there would be a legal, you know, legal implication of the 2024 SCP regulations incorporating by reference the new 2024 TVPICP list.

Hillary Sardiñas: And Mr. Banker, we did, I have reviewed your letter and comments and that will be part of the Final Statement of Reasons and a more full response will be included there.

Did you have any other questions? We don't have any other questions it looks like at this point.

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Brian Banker: I suppose that's about it for now. My biggest one is my. I don't know if it's my connection or what, but the quality has been very intermittent here. Will there be any kind of a printout, a transcript, of all your answers?

Hillary Sardiñas: Yes, those will be included in all of our responses to the comments that are in the Final Statement of Reasons. So, there will be an appendix that includes all of our full responses and I apologize for the quality. It is good on my end.

Brian Banker: Thank you. I assume it's on my end I just want to make sure I can read everything you've said.

Hillary Sardiñas: Great, ok. Since there are no more comments and this hearing goes until noon in case anybody else joins, we will leave the room open and acknowledge if somebody else joins and wants to ask a question. But until then, that is all.

[No further public comments were received during the remaining time.]

12:pm Hillary Sardiñas: Ok, I am going to close this Zoom room. Thank you so much. Have a good day.

Amend sections 650 and 703
 Title 14, California Code of Regulations
 Re: Scientific Collection Permits and Forms

Appendix C. Summary Table of Public Comments and Department Responses

Received written comments are included in Appendix A and oral comments in Appendix B. We added notation to the documents to help identify the comment number as well as the comment, which are paraphrased below.

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
1	<p>Brian Banker, naturalist, email dated 9/4/2024</p>	<p>a. Appreciates that the list is being updated as species status evolves.</p> <p>b. The classification for the monarch butterfly as “<i>Danaus plexippus plexippus</i>; overwintering population 1” is confusing.</p> <p>c. Disagrees that there should be a TVPICP list at all. Points to Nevada Division of Natural Heritage soliciting input from amateurs and other public participants for observational data rather than requiring permitting.</p>	<p>a. Support acknowledged.</p> <p>b. The California Department of Fish and Wildlife (CDFW) adopted the description for the western monarch population as determined by NatureServe. You can access the information they provide here: Danaus plexippus pop. 1 NatureServe Explorer.</p> <p>c. Comment noted. CDFW’s 2018 updates to its Scientific Collecting Permit (SCP) regulations incorporated by reference the 2017 California Terrestrial and Vernal Pool Invertebrates of Conservation Priority (TVPICP) List to specify when a CDFW SCP is required for take caused by scientific, educational, or propagation activities of terrestrial and vernal pool invertebrates that are not designated as threatened, endangered, candidate, or fully protected species under California law. Rationale for the creation of the TVPICP is detailed in the Final Statement of Reasons, Summary of Comments and General Responses to the Title 14, Section 650 and 703, CCR Rulemaking (10/16/2017, pages 1-9, available from https://wildlife.ca.gov/Notices/Regulations/SCP). As noted on pages 3 and 9 of the 2017 Summary of Comments and General Responses,</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
			<p>permitting of these subject terrestrial and vernal pool invertebrates aims <i>to protect invertebrates of conservation priority by carefully monitoring sacrifice by people lacking expertise to distinguish sensitive or locally endemic subspecies, or condition permit holders to use special precautions when working in their essential habitats and geographic ranges. The permitting process may restrict use of indiscriminant field methods to reduce incidental take (by-catch) of non-target wildlife to prevent incidental mortality of other sensitive invertebrates, or sensitive non-target vertebrates (e.g., state- and federally-listed California tiger salamander, if working in vernal pools). Permitting also helps monitor numbers of individuals taken per species per location to only the number of individuals of appropriate life stages essential for the scientific studies that will be undertaken, and the CDFW manages, in consideration of drought impacts, take by other researchers, threats to the population, and cumulative impacts facing the invertebrate taxa in question. The reporting information required by SCPs, including the submittal of data to the California Natural Diversity Database (CNDDDB), contributes towards the protection and management of California’s ecosystems and natural communities. Dialogue and information exchange during the permitting process also helps build partnerships with the stakeholder group, and helps CDFW to become a better steward of fish and wildlife resources.</i></p> <p>CDFW’s proposed updates to its SCP regulations have instead incorporated by reference a 2024 California TVPICP List that reflects more current scientific information. The purpose of CDFW’s SCP regulations incorporating by reference the 2024 California TVPICP List is to provide appropriately tailored oversight of the take for scientific, educational, or propagation purposes of terrestrial and vernal pool</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>d. Provides examples of why commentor believes TVPICP list is unnecessary related to two taxa, the monarch butterfly and San Emigdio blue. For monarch- species is actually abundant and the SCP regulations amount to ‘no touch.’ For San Emigdio- more impact occurs from development than from research.</p> <p>e. The list shouldn’t solely be based on NatureServe ranks and should include other factors such as climate vulnerability and should not include endemism exclusively.</p>	<p>invertebrates that are not designated as threatened, endangered, candidate, or fully protected species under California law.</p> <p>d. References noted. SCPs are only issued for purposes of science, education, and propagation, as described in Section 650(c). Regarding monarchs, Fish and Game Code Section 1021 grants CDFW the authority to “...take feasible actions to conserve monarch butterflies and the unique habitats they depend upon for successful migration” (subdivision (a)). Requiring a SCP for the designated wintering population of monarch butterfly is one such example of balancing CDFW public trust duties or mandates with screening of applicants for a SCP and researcher needs.</p> <p>Regarding San Emigdio blue butterfly, it is currently listed on the TVPICP and is proposed to remain on the list (no proposed change). As noted in Response 1-c above, the reporting element from an SCP permitholder would contribute data towards monitoring of the species. Although SCPs may include take authorization for movement of wildlife out of harm’s way, SCPs do not have the authority to specifically regulate development projects.</p> <p>e. In addition to the NatureServe rankings, whether the species is federally listed as threatened or endangered or are candidates for listing under the federal Endangered Species Act is criteria for inclusion. NatureServe rankings are widely accepted and used by state Natural Heritage Programs across the US. The three main categories NatureServe takes into consideration when assigning ranks are rarity,</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>f. Glad to see the revision of the TVPICP, but more discussion is warranted. CDFW should follow Nevada’s example.</p>	<p>threats, and trends. Within these three categories, various factors are considered, including:</p> <ul style="list-style-type: none"> • Range extent, area of occupancy, population size, total number of occurrences, and number of occurrences at sites with good ecological integrity. 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. <p>For more information see: NatureServe detailed information on element ranking methodology (https://www.natureserve.org/conservation-status-assessment).</p> <p>Additionally, no comprehensive assessment of climate threats for CA invertebrates is available at this time, so climate vulnerability can’t be considered separately.</p> <p>f. Nevada defines wildlife as “any wild mammal, wild bird, fish, reptile, amphibian, mollusk or crustacean found naturally in a wild state, whether indigenous to Nevada or not and whether raised in captivity or not” (N.R.S. 501.097). The 2022 NDOW Nevada State Wildlife Action Plan states "New to the 2022 SWAP are identified terrestrial invertebrate SGCN. Regulatory authority for this group is somewhat complex, with no single entity solely responsible" (pg. 33). To date, mechanisms for how Nevada regulates take of invertebrates for research, education, and/or propagation impacts to invertebrates within the State’s boundaries have not been well-defined, though there was legislation proposed in 2022 (AB 221) that would have expanded the wildlife managed by the Board of Wildlife Commissioners and NDOW to include designated invertebrates.</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
			<p>In California, statute authorizes the take and possession of mammals, birds, fish, amphibians, reptiles, or any other form of plant or animal life through the CDFW's issuance of SCPs when such take is for purposes of science, education, or propagation (Fish and Game Code Section 1002). Thus, the example of Nevada is not directly applicable to California's statutory oversight of all fish and wildlife (e.g. Fish and Game Code Section 1802).</p>
2	<p>Chris Quock, email dated 9/25/2024</p>	<p>a. Suggests additional language to clarify there is no liability for specimens in museum collections that were obtained prior to the species being included on the TVPICP list. Also recommends this include instances when species are transferred to researchers or between institutions.</p>	<p>a. Section 650(q)(4) already addresses cases of possession or transfer of specimens for museum collections: "Eligible entities as defined in subsection 650(g) engaged in scientific study, education, or propagation of wildlife that are open to the public for viewing of wildlife specimens may possess, accept donations of, or exchange between organizations, such specimens lawfully taken or possessed pursuant to this Section without obtaining a separate permit." Other instances are described for possession via the existing Chain of Custody form. While outside the scope of this regulation change which focuses on updating the TVPICP list, we will consider clarifications the next time this section of regulation is updated.</p>
3	<p>Ken Davenport, lepidopterist, letter dated 8/26/2024</p>	<p>a. Disputes equating endemic to endangered and threatened</p>	<p>a. Including species on the TVPICP list does not legally make them threatened or endangered under the California Endangered Species Act, that is a separate legal process, and determinations are made by the California Fish and Game Commission. The process is described in more detail on this website: California Endangered Species Act Listing Process Species on the TVPICP list that are not designated as threatened, endangered, candidate, or fully protected under California law are subject to SCP regulations for educational, research, and/or propagation-related activities. While NatureServe does consider range</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>b. Monarch butterflies should not be included on the list and the “federal government has chosen not to list monarchs as endangered.”</p> <p>c. Carson Nokomis fritillary (aka Carson Valley silverspot) is common in California and the <i>carsonensis</i> is a synonym for <i>apacheana</i>.</p> <p>d. Commentor is unaware of any records of Incana ruddy copper (aka White mountains copper) in the state. Other subspecies are common in CA. Collectors are not interested in this species.</p>	<p>size in its ranking determination, it is not the sole factor (see response 1-d above).</p> <p>b. Monarchs are included on the list because they are candidates for federal listing. They were determined to be warranted for listing but precluded by other higher priority species and placed on the federal workplan for 2024. The revised federal status assessment and determination is due on December 4, 2024, by court mandate. Further, see response 1-d above regarding statutory requirements of CDFW for management of monarch butterflies.</p> <p>c. The species has an S-rank of S1 in California, denoting that the species is considered Critically Imperiled in the state, 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. The species name is considered valid in the Integrated Taxonomic Information System: ITIS Results of Search in every Kingdom for Scientific Name containing 'Speyeria nokomis carsonensis'. This TVPICP List, CNDDDB, follows current published taxonomy for invertebrates as recognized by NatureServe.</p> <p>d. Thank you for this information. Because the species is listed as occurring in the state, we would need surveys or other data that can help confirm its absence.</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>e. Bohart’s blue has not been seen since 1970, why list it at all - though we should encourage rediscovery of the species.</p> <p>f. Bauer’s blue is fairly common locally in the White and Inyo mountains in remote areas off the beaten path. The species is not recognized by the American Butterfly Association.</p> <p>g. There was a recent paper by Richard Arnold in the Lepidopterist’s Society Journal that documented that Smith’s dotted blue (aka Smith’s blue) is common and does not continue to need to be listed as endangered.</p> <p>h. White mountain’s greenish blue (aka White Mountains saepiolus blue butterfly) is very common in wet years in June and less common in late July. Endemic species are not always threatened or endangered.</p> <p>i. White mountains Boiduval’s blue (aka White Mountains icarioides</p>	<p>e. We agree. But if it is rediscovered, inclusion on the list will help protect it from overcollection as a rare species. Inclusion on the list will also help CDFW work with researchers to develop detection techniques that avoid lethal take of any remanent populations or individuals.</p> <p>f. The species is recognized in the sources CDFW uses for taxonomy, see response 3c above. We do not have access to the data being referred to about how common the species is; please submit any records to the CNDDDB: Submitting Data to the CNDDDB (ca.gov)</p> <p>g. This species is federally listed as endangered, which is why it is included on the TVPICP list. We recommend submitting the paper mentioned to the USFWS for their 5-year review of the Smith’s blue.</p> <p>h. Thank you for the information on flight period and population dynamics related to rainfall. See response 3-c.</p> <p>i. We only consider the status of the species in California where it has a NatureServe ranking of S1.</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>blue butterfly) is common in Nevada at low elevation.</p> <p>j. San Emigdio blue (<i>Plebulina emigdionis</i>) is threatened by large highway projects that interfere with water drainages; agree with a recent article recommended protections.</p>	<p>j. Thank you for identifying a threat to this species. Its NatureServe ranking is S1S2 therefore it is included on this list due to threats, range size, and population size. See also response 1-d.</p>
4	<p>Ken Osborne, entomologist, email dated 10/1/2024</p>	<p>a. Questions the value and validity of CDFW adding to the at-risk list those species or populations (subspecies) that are subject to extirpations primarily by natural processes.</p> <p>b. Mentioned several articles that were not peer-reviewed and urges the Department not to use them as sole source of information for some of the species on the list.</p> <p>c. Questions the validity of adding to the list species on the basis of very limited information (such as one worker’s finding or the opinion expressed in a single publication).</p>	<p>a. NatureServe state takings take climate change into consideration when evaluating “threats,” but is only one of several factors.</p> <p>b. The articles mentioned may have been considered in the process but were likely one of many factors. For more information on the NatureServe ranking process see response 1-e. We only consider the status of the species within California. A species may be secure in its range outside the state but at-risk within it.</p> <p>c. CDFW does not use one source; we have two main criteria we use for determining whether a species should be included on the TVPICP list. The NatureServe state ranking takes into account various sources of information. For more information, see response to 1e.</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		<p>d. Advocates for a posture wherein CDFW might be receptive to continuous updating of the list – including an objective protocol or means of removing species from the list when evidence invalidates the “at risk” findings.</p> <p>e. Recommends relaxing/avoiding SCP requirements for professional and avocational sampling efforts while advocating for strict enforcement and prohibitions against commercially motivated collection of species (sensitive or not) for sale to collectors and investors</p> <p>f. Recommends CDFW develop a process for removing species from the list based on risk.</p> <p>g. Contests the “emergency listing of Crotch’s bumble bee.”</p>	<p>d. We initially explored this option, however, having a list that continually changes would require researchers and educators to continually check for changes, amend existing SCPs, or apply for SCPs as species are added and removed from lists. Therefore, we opted to continue developing a static list that is periodically updated to avoid confusion.</p> <p>e. This is outside the scope of the proposed amendment.</p> <p>f. Species are removed from the list when they no longer meet the criteria, i.e., if they are no longer federal candidates or federally listed as endangered or threatened, or if their NatureServe ranking changes from SX, SH, S1, or S1S2 to another ranking (e.g., S2, S3, etc.).</p> <p>g. Crotch’s bumble bee is a candidate for state listing and has not yet been assessed by the Fish and Game Commission (Commission), therefore has not been listed as endangered or threatened under the California Endangered Species Act (CESA). Once CDFW completes the</p>

Comment Number	Name, Organization, Type, & Date	Comment(s)	Response(s)
		h. Acknowledges that “the SCP list has many taxa belonging on the list,” and notes a few.	species status review and presents it to the Commission (there will be a public comment period), the Commission will make a determination. For more on the CESA-listing process see the Commission’s website: Petitions to List Species Under the California Endangered Species Act h. Support acknowledged.
5	Brian Banker , naturalist, oral comment at public hearing dated 10/01/2024	<p>a. The classification for the monarch butterfly as “<i>Danaus plexippus plexippus</i>; overwintering population 1” is confusing.</p> <p>b. Preface to the list says that the species have no legal standing as it pertains to CESA or ESA. For example, the San Emigidio blue (<i>Plebulina emigdionis</i>) is bottlenecked by state highway expansion but can still be damaged by state or federal agencies if they have no status. What purpose does the TVPICP list serve in this case?</p>	<p>a. See response 1-b above.</p> <p>b. The introduction to the list is to clarify that the list itself does not convey any formal legal status to the species on the list. It also describes the criteria used to develop the list. See response 1-d.</p>



Photos courtesy of Brooke Goggins and USGS Bee Inventory

UPDATING REFERENCES TO THE CALIFORNIA TERRESTRIAL & VERNAL POOL INVERTEBRATES OF CONSERVATION PRIORITY LIST

Sections 650 and 703, Title 14, CCR

PUBLIC HEARING | October 1, 2024

11 AM – 12 PM | Hillary Sardiñas

Statewide Pollinator Conservation Coordinator/Wildlife Branch



Logistics and Opening Remarks

- The purpose of this hearing is to receive the public's comments, recommendations, and objections regarding the Department's proposal to amend regulations in Title 14 of the California Code of Regulations:
 - Section 650- Scientific Collecting Permits; Permits to Take or Possess Wildlife for Scientific, Educational, and/or Propagation Purposes
 - 703- Miscellaneous Applications, Tags, Seals, Licenses, Permits, and Fees
- Oral comments will be received and *recorded* at this hearing
- Written comments will be accepted if submitted before midnight, Tuesday, October 1, 2024, at regulations@wildlife.ca.gov



Zoom Platform Orientation

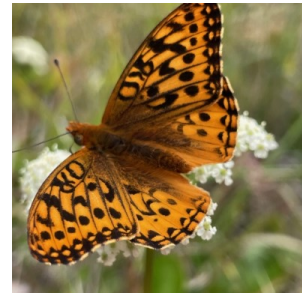
- The Zoom navigation bar is at the bottom of the screen
 - If live captioning is needed, please use the navigation bar and select "Show Captions"
- Attendees are automatically muted upon entry to meeting
 - Please wait until after the presentation to ask questions or make a comment
 - Questions or comments can be written via the chat function, or given orally via the "unmute" function
 - Please raise your hand so we know you want to provide an oral comment and wait to be called upon to unmute
 - Please be respect all participants' opinions
- It is possible that your oral comments will be limited to only a few minutes. If you have additional comments, you may submit them in the Chat or to: regulations@wildlife.ca.gov. Include '650 SCP Regulations' in the subject line.
- All written and oral comments will be given consideration.



Section 650 – Scientific Collecting Permits: Permits to Take or Possess Wildlife for Scientific, Educational, and/or Propagation Purposes

Proposed Amendments

- Adds a new subsection (a)(8) which clarifies that Scientific Collecting Permit (SCP) regulations do not apply to the take of any state threatened, endangered, candidate, or fully protected species
- Adds a new subsection (a)(9) that incorporates by reference the new TVPICP list (Table 1) with a revision date of January 2, 2024
- Amends subsection (i)(1)(D) from “is required” to “may be issued” to clarify that the Department will consider the potential deleterious impacts on TVPICP invertebrates and determine whether a General Use Permit is most appropriate
- Other minor changes were added to improve consistency with how the TVPICP List, as defined in the new subsection (a)(9), is referenced or to address grammatical issues in the original text without changing the meaning



Section 650 – TVPICP List

Purpose/Need for the Amended Regulation

- The California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (TVPICP List) was last updated in 2017
- Additional information on the status of California's invertebrate populations has become available since that time and the 2017 list no longer reflects the best available science
- The Department may issue a general or specific use SCP for education, research, or propagation-related activities that could result in take of species on the TVPICP List that are not CESA-designated or fully protected
- Adds 9 species and removes 47 based on their updated NatureServe state rankings (S-ranks) and federal Endangered Species Act listing status



Morro Bay June beetle



White Mountains icarioides blue



Blennosperma andrenid bee



Dohrn's elegant eucnemid beetle



Section 650 – 2017 and 2024 TVPICP list

- The 2024 list can be found on the Regulations page, but will be added to the Wildlife Research Permitting page upon completion of the regulation change process: <https://wildlife.ca.gov/Notices/Regulations/SCP-Invertebrates>
- The 2017 TVPICP list can be found on the Wildlife Research Permitting page: <https://wildlife.ca.gov/Explore/Organization/WLB/Permitting>

Table 1. California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List

Scientific Name	Common Name	Author, Date	FedList	CalList	S-Rank
ARACHNIDA (spiders and their relatives)					
<i>Aphrastochthonius grubbsi</i>	Grubbs' Cave pseudoscorpion	Muchmore, 1984	—	—	S1
<i>Aphrastochthonius similis</i>	Carlow's Cave pseudoscorpion	Muchmore, 1984	—	—	S1
<i>Banksula californica</i>	Alabaster Cave harvestman	Banks, 1900	—	—	SH
<i>Banksula galilei</i>	Galile's cave harvestman	Briggs, 1974	—	—	S1



Section 650 – 9 Added Species

Nine added invertebrates:

Scientific name	Common name	Order	Taxonomic Group	S-Rank
<i>Palaeoxenus dohrni</i>	Dohrn's elegant eucnemid beetle	Coleoptera	Insects	S1S2
<i>Polyphylla morroensis</i>	Morro Bay June beetle	Coleoptera	Insects	S1
<i>Cophura hurdi</i>	Antioch cophuran robberfly	Diptera	Insects	SX
<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee	Hymenoptera	Insects	S1
<i>Perdita hirticeps luteocincta</i>	yellow-banded andrenid bee	Hymenoptera	Insects	SX
<i>Icaricia icarioides albihalos</i>	White Mountains icarioides blue butterfly	Lepidoptera	Insects	S1
<i>Icaricia icarioides pheres</i>	Pheres blue butterfly	Lepidoptera	Insects	SX
<i>Polites sabuleti albamontana</i>	White Mountains sandhill skipper	Lepidoptera	Insects	S1S2
<i>Noyo intersessa</i>	Ten Mile shoulderband	Gastropoda	Mollusks	S1S2

<https://wildlife.ca.gov/Notices/Regulations/SCP-Invertebrates>



Section 650 – 47 Removed Species

Scientific name	Common name	Order	Taxonomic Group	Old S-Rank	New S-rank
<i>Meta dolloff</i>	Dolloff Cave spider	Arachnida	Arachnids	S1	S3
<i>Microcina homi (Microcinella homi)</i>	Hom's micro-blind harvestman	Arachnida	Arachnids	S1	S2
<i>Microcina tiburona</i>	Tiburon micro-blind harvestman	Arachnida	Arachnids	S1	S2
<i>Talanites moodyae</i>	Moody's gnaphosid spider	Arachnida	Arachnids	S1S2	S2S3
<i>Telema sp.</i>	Santa Cruz telemid spider	Arachnida	Arachnids	S1S2	NA
<i>Anthicus antiochensis</i>	Antioch Dunes anthicid beetle	Coleoptera	Insects	S1	S3
<i>Anthicus sacramento</i>	Sacramento anthicid beetle	Coleoptera	Insects	S1	S4
<i>Lytta hoppingi</i>	Hopping's blister beetle	Coleoptera	Insects	S1S2	S2
<i>Lytta morrisoni</i>	Morrison's blister beetle	Coleoptera	Insects	S1S2	S2
<i>Polyphylla anteronivea</i>	Saline Valley snow-front June beetle	Coleoptera	Insects	S1	S2
<i>Trigonoscuta sp.</i>	Doyen's trigonoscuta dune weevil	Coleoptera	Insects	S1	NA
<i>Prasinalia imperialis</i>	Algodones white wax jewel beetle	Coleoptera	Insects	S1S2	S2
<i>Vandykea tuberculata</i>	serpentine cypress long-horned beetle	Coleoptera	Insects	S1	S2
<i>Ablautus schlingeri</i>	Oso Flaco robber fly	Diptera	Insects	S1	S2
<i>Efferia macroxipha</i>	Glamis robberfly	Diptera	Insects	S1S2	S2S3
<i>Saldula usingeri</i>	Wilbur Springs shorebug	Hemiptera	Insects	S1	S2
<i>Argochrysis lassenae</i>	Lassen cuckoo wasp	Hymenoptera	Insects	S1	S2
<i>Ceratochrysis menkei</i>	Menke's cuckoo wasp	Hymenoptera	Insects	S1	S2
<i>Chrysis tularensis</i>	Tulare cuckoo wasp	Hymenoptera	Insects	S1S2	S2
<i>Eucerceris ruficeps</i>	redheaded sphecid wasp	Hymenoptera	Insects	S1S2	S2
<i>Habropoda pallida</i>	white faced bee	Hymenoptera	Insects	S1S2	S3



Scientific name	Common name	Order	Taxonomic Group	Old S-Rank	New S-rank
<i>Lasioglossum channelense</i>	Channel Island sweat bee	Hymenoptera	Insects	S1	S3
<i>Perdita scitula antiochensis</i>	Antioch andrenid bee	Hymenoptera	Insects	S1	S2
<i>Philanthus nasalis</i>	Antioch sphecid wasp	Hymenoptera	Insects	S1	S2
<i>Areniscythis brachypteris</i>	Oso Flaco flightless moth	Lepidoptera	Insects	S1	S2
<i>Callophrys mossii bayensis</i>	Marin elfin butterfly	Lepidoptera	Insects	S1	S2
<i>Callophrys thornei</i>	Thorne's hairstreak	Lepidoptera	Insects	S1	S2
<i>Eugnosta busckana (Carolella busckana)</i>	Busck's gallmoth	Lepidoptera	Insects	SH	S2S3
<i>Carterocephalus palaemon magnus</i>	Sonoma arctic skipper	Lepidoptera	Insects	S1	S1S3
<i>Euchloe hyantis</i>	Andrew's marble butterfly	Lepidoptera	Insects	S1	S2
<i>Euphilotes mojave</i>	Mojave dotted-blue	Lepidoptera	Insects	S1S2	S3
<i>Macrobaenetes algodonensis</i>	Algodones sand treader cricket	Orthoptera	Insects	S1S2	S2
<i>Macrobaenetes valgum</i>	Coachella giant sand treader cricket	Orthoptera	Insects	S1S2	S2
<i>Stenopelmatus cahuilans</i>	Coachella Valley jerusalem cricket	Orthoptera	Insects	S1S2	S2
<i>Trimerotropis occidentiloides</i>	Santa Monica grasshopper	Orthoptera	Insects	S1S2	S2
<i>Helminthoglypta greggi</i>	Mohave shoulderband	Gastropoda	Mollusks	S1	S2
<i>Helminthoglypta traskii traskii</i>	Trask shoulderband	Gastropoda	Mollusks	S1	S2S3
<i>Megomphix californicus</i>	Natural Bridge megomphix	Gastropoda	Mollusks	S1S2	S3
<i>Monadenia circumcarinata</i>	keeled sideband	Gastropoda	Mollusks	S1	S3
<i>Monadenia troglodytes troglodytes</i>	Shasta sideband	Gastropoda	Mollusks	S1S2	S2
<i>Monadenit troglodytes wintu</i>	Wintu sideband	Gastropoda	Mollusks	S1S2	S2
<i>Prophysaon coeruleum</i>	Blue-gray taildropper slug	Gastropoda	Mollusks	S1S2	S3
<i>Vespericola shasta</i>	Shasta hesperian	Gastropoda	Mollusks	S1	S3
<i>Cryptochia excella</i>	Kings Canyon cryptochian caddisfly	Trichoptera	Insects	S1S2	S2S3
<i>Ecclisomyia bilera</i>	Kings Creek ecclisomyian caddisfly	Trichoptera	Insects	S1S2	S2
<i>Neothremma genella</i>	golden-horned caddisfly	Trichoptera	Insects	S1S2	S2S3
<i>Rhyacophila spinata</i>	spiny rhyacophilan caddisfly	Trichoptera	Insects	S1S2	S3



Section 703 – Miscellaneous Applications, Tags, Seals, Licenses, Permits, and Fees

Proposed Amendments and Need

- Subsection 703(c) provides various forms and fees for Scientific Collecting Permits (SCPs)
 - Note: There are no changes to fees
- Each reference in subsection (c) to these SCP forms is amended with a revision date (01/2024)
- The SCP forms are also amended with a revision date of (01/2024) and a reference to subsection 650(a)(9) where the updated TVPICP List is incorporated by reference
- Forms updated:
 - DFW 1379GW- Terrestrial Wildlife General Use Application
 - DFW 1379S- Terrestrial Wildlife Specific Use Application
 - DFW 1379GWA- Terrestrial Wildlife General Use Amendment
 - DFW 1379 SA- Terrestrial Wildlife Specific Use Amendment

Note: A Terrestrial Wildlife General Use SCP is required to take and/or possess terrestrial invertebrates that occur only in vernal pools, or other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish. A General Use would cover non-routine incidental by-catch or other take of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority ~~list~~**List** (dated June 12, 2017, pursuant to **Title 14, subsection 650(a)(9)**, available at <https://www.wildlife.ca.gov/Licensing/Scientific-Collecting>) during the course of field activities that are otherwise exempt from a permit, in accordance with Title 14, subsections 650(i)(D) and 650(u)(5),CCR.*



Next Steps

- All comments will be reviewed and responded to by the Department
 - The comments may lead the Department to make changes in the proposed regulations at which time the commenters will be notified
 - Every comment and Department response will be compiled in the Final Statement of Reasons (FSOR) along with the text of the adopted regulations
- The “rulemaking file” comprised of all relevant materials will be transmitted to the Office of Administrative Law (OAL) for a compliance review with the Administrative Procedures Act and other statutes
- If approved by OAL, this new regulation is anticipated to take effect between January 1 – April 1, 2025
- The approved rulemaking file will be posted at <https://wildlife.ca.gov/Notices/Regulations>



Submit Comments

- You may submit comments for the record by 11:59 pm today, October 1, 2024, to: Regulations@wildlife.ca.gov
- SCP holders/applicants may contact the CDFW SCP Coordinator in the Wildlife Diversity Program with questions
- Information on SCPs and other wildlife research permits (e.g., MOUs) can be found here: <https://wildlife.ca.gov/Explore/Organization/WLB/Permitting>

