State of California Office of Administrative Law

In re:

Department of Fish and Wildlife

Regulatory Action:

Title 14, California Code of Regulations

Adopt sections:

Amend sections: 650, 703

Repeal sections:

NOTICE OF APPROVAL OF REGULATORY ACTION

Government Code Section 11349.3

OAL Matter Number: 2024-1015-01

OAL Matter Type: Regular (S)

This action by the Department of Fish and Wildlife amends and makes current the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List (TVPICP List) applicable to Scientific Collection Permits issued pursuant to Fish and Game Code sections 1002 and 1002.5

OAL approves this regulatory action pursuant to section 11349.3 of the Government Code. This regulatory action becomes effective on 1/1/2025.

Date:

November 26, 2024

Makin

Digitally signed by Mark Storm Date: 2024.11.26 11:35:00 -08'00'

Mark Storm Senior Attorney

For:

Kenneth J. Poque

Director -

Original: Charlton Bonham, Director

Copy: Mike Randall

NOTICE PUBLICATION/REGULATIONS S

For use by Secretary of State only

STD, 400 (REV. 10/2019)

OAL FILE NUMBERS NOTICE FILE NUMBER **Z-**2024-0806-07

Charlton H. Bonham, Director

2024-1015 -015 EMERGENCY NUMBER

For use by Office of Administrative Law (OAL) only

OFFICE OF ADMINISTRATIVE LAW

Electronic Submission

RECEIVED DATE 08/06/2024

PUBLICATION DATE

08/16/2024

OFFICE OF ADMIN, LAW 2024 DCT 15@4:59pm **ENDORSED - FILED**

in the office of the Secretary of State of the State of California

NOV 2 6 2024 ab 1:58 PM

Office of Administrative Law

			1
NOTICE	REGU	LATIONS	
AGENCY WITH RULEMAKING AUTHORITY Department of Fish and Wildlife			AGENCY FILE NUMBER (If any)
A. PUBLICATION OF NOTICE (Complete for p	oublication in Notice R	egister)	
1. SUBJECT OF NOTICE SCP Terrestrial & Vernal Pool Invert List 2024	Figure 1990	rst section affected 50, 703	2. REQUESTED PUBLICATION DATE August 16, 2024
3. NOTICE TYPE Notice re Proposed Regulatory Action Notice Type Notice re Proposed Mike Rand		16-902-9109	FAX NUMBER (Optional)
OAL USE ACTION ON PROPOSED NOTICE Approved as Approved as Submitted Modified	Disapproved/ Withdrawn	OTICE REGISTER NUMBER	PUBLICATION DATE
B. SUBMISSION OF REGULATIONS (Comple	te when submitting reg	gulations)	
1a. SUBJECT OF REGULATION(S) SCP Terrestrial and Vernal Pool Invertebrate list			ELATED OAL REGULATORY ACTION NUMBER(S)
2. SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION	(S) (Including title 26, if toxics relate	d)	
SECTION(S) AFFECTED (List all section number(s)			
individually. Attach additional sheet if needed.) AMEND 650, 703	254	-	
TITLE(S) 14 REPEAL			
3. TYPE OF FILING			
Code §11346) Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3,	§§11346.2-11347.3 either gulation was adopted or	Emergency Readopt (Gov. Code, §11346.1(f	Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100) Print Only
11349.4) Emergency (Gov. Code, §11346.1(b)) Resubmittal of disapprovemergency filing (Gov. Code, emergency filing (Gov. Code, emer		Other (Specify)	
4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED R	EGULATIONS AND/OR MATERIAL AL	DDED TO THE RULEMAKING	FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.
5. EFFECTIVE DATE OF GROOM STORY STO	ng with \$100 Changes With	nout Effective other (Specify)	
6 CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CO. Department of Finance (Form STD, 399) (SAM §6660) Other (Specify)	ONSULTATION, APPROVAL OR CON		AGENCY OR ENTITY State Fire Marshal
7. CONTACT PERSON Mike Randall	916-902-9109	FAX NUMBER (Options	E-MAIL ADDRESS (Optional) mike.randall@wildlife.ca.gov
a. I certify that the attached copy of the regulation(s) is of the regulation(s) identified on this form, that the is is true and correct, and that I am the head of the ag or a designee of the head of the agency, and am ac	nformation specified on the lency taking this action,	is form	r use by Office of Administrative Law (OAL) on ENDORSED APPROVED
SIGNATURE OF AGENCY HE: O OR DESIGNEE TYP NAME AND TITLE OF SIGNATORY	10 /14 G	4	NOV 26 2024

Regulatory Text

Section 650, Title 14, California Code of Regulations is hereby amended as follows:

- § 650. Scientific Collecting Permits: Permits to Take or Possess Wildlife for Scientific, Educational, and/or Propagation Purposes.
- (a) General Provisions. Except as otherwise authorized by the Fish and Game Code or regulations adopted pursuant thereto, it shall be unlawful for any person or entity to take and/or possess live or dead wildlife, or parts thereof in any part of the State of California, for scientific, educational, and/or propagation purposes except as authorized by a permit issued by the department pursuant to this Section. It shall be unlawful for any person operating under a permit issued pursuant to this Section to violate any authorizations, conditions, or terms of the permit, or otherwise fail to comply with, or violate, this Section.
- . . . [No changes to subsections (a)(1) through (7)]
 - (8) This Section does not apply to the take or possession of threatened, endangered, or candidate species under the California Endangered Species Act, Fish and Game Code section 2050 et seq., or fully protected species under Fish and Game Code sections 3511, 4700, 5050, or 5515, and the Department shall not issue permits pursuant to this Section for any threatened, endangered, candidate, or fully protected species.
 - (9) Where specified in this section, the "Table 1 California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List" (Revised January 4 2, 2024, hereafter referred to as "TVPICP List") is hereby incorporated by reference, and is available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting.
- . . . [No changes to subsections (b) through (h)]
- (i) Permit Use Levels. Applications for the following permit use levels may be considered for Entity, Individual, and Student Permitholders:
 - (1) A General Use permit:
 - (A) May only be issued for activities that may have broad or general temporal and geographic scope, such as general research and education– based activities, involving certain non–invasive or standardized methods and procedures with low levels of accidental injury or mortality, and non–sensitive and/or common wildlife;
 - (B) May only be issued for select wildlife taxonomic groups under the responsibility of a single department review program (Inland Fisheries, Marine, and Terrestrial Wildlife);
 - (C) May only be issued with select Authorizations describing pre-determined and/or excluded activities, species, methods, and locations, as specified in the application forms for General Use permits listed in subsection 703(c) of these regulations;
 - (D) Is required when May be issued for incidental take of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list (dated June 12, 2017, available at

https://www.wildlife.ca.gov/Licensing/Scientific-Collecting), hereby incorporated by reference, may be incidentally taken that are otherwise exempt from a permit, pursuant to subsection 650(u)(5) listed on the TVPICP List during the course of field activities; and

- (E) May only be amended pursuant to subsection 650(l)(2).
- (2) A Specific Use permit:
 - (A) May only be issued for an individual study, or a planned undertaking, either of which shall meet the requirements of subsections 650(c) and 650(b)(19) of these regulations. An individual study involves activity(ies) that address specific research question(s), or achieves goals and objectives of defined temporal and geographic scope. A planned undertaking may involve one or more studies, or may involve multiple activities sharing a fundamental scope with unifying goals and objectives;
 - (B) May be issued for wildlife taxonomic groups under the responsibility of one or more department review programs (Inland Fisheries, Marine, and Terrestrial Wildlife), as determined by the department. The taxonomic groups, conservation status of the species or wildlife, invasiveness of proposed methods or procedures, or proposed locations of studies may result in a planned undertaking being ineligible for a single Specific Use permit, and instead require more than one Specific Use permit, or a combination of General Use and Specific Use permits;
 - (C) May be issued for wildlife and species, activities, and methods that may or may not otherwise be authorized under a General Use permit, as specified in the application form for Specific Use permits listed in subsection 703(c) of these regulations, and where permit conditions may be developed as appropriate;
 - (D) May be issued for intentional take and/or possession of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list (dated June 12, 2017, available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting) listed on the TVPICP List; and
 - (E) May only be amended pursuant to subsection 650(I)(3).
- ... [No changes to subsections (j) through (t)]
- (u) Exemptions. The following activities do not require a permit pursuant to this Section:
 - (1) Federally recognized tribes and their members possessing accidentally killed or legally acquired dead wildlife that is not a big game, rare, threatened, endangered, or fully protected species.
 - (2) Entities or persons performing monitoring activities for dreissenid mussels in waterbodies or water supply systems as defined in Sections 672(a)(10) and (11) of these regulations under a department–approved Dreissenid Mussel Control Plan pursuant to subsection 672.1(a), or a department–reviewed Prevention Program pursuant to subsection 672.1(b) of these regulations.

- (3) Routine water or sediment sampling for chemical, bacterial, or other analyses as required by government regulation or mandate when aquatic, freshwater, or benthic invertebrates, or other wildlife are not being targeted. This exemption does not apply for the following activities in marine waters:
 - (A) Sediment sampling in eelgrass beds, kelp forests, or Marine Managed Areas, Marine Protected Areas, or Special Closures pursuant to subsection 632(a)(9) of these regulations, and for Rockfish Conservation Areas described in sections 27.20 through 29.85 of these regulations.
 - (B) Water sampling within Marine Managed Areas, Marine Protected Areas, or Special Closures pursuant to subsection 632(a)(9) of these regulations.
- (4) The take or possession for scientific, educational, or propagation purposes, if it is authorized in another approval issued by the department, such as in a permit issued under the Natural Community Conservation Planning Act.
- (5) Take or possession of terrestrial and vernal pool invertebrates for scientific, educational, or propagation purposes, if those invertebrates are not unless the species are:
 - (A) Listed on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list (dated June 12, 2017, available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting), TVPICP List; or
 - (B) Those invertebrates that occur only in vernal pools, or occur in other ephemeral waters that support vernal pool invertebrates, but do not normally support finfish.
- (6) Take or possession of terrestrial plants, and freshwater plants and algae. Persons wanting to take or possess rare, threatened, and/or endangered plant species shall obtain a scientific, educational or management permit, pursuant to Section 786.9 of these regulations, or sections 1900 et seq. or 2080 et seq. of the Fish and Game Code.

NOTE: Authority cited: Sections 702, 1002, 1002.5, 1003, 1050, 2860 and 4810, Fish and Game Code.

Reference: Sections 14, 22, 33, 45, 51, 54, 56, 79, 80, 86, 88, 89.5, 703.3, 710.5, 711.7, 713, 1001, 1002, 1006, 1008, 1017, 1050, 1050.1, 1050.3, 1050.5, 1052, 1054, 1054.2, 1603, 1700, 1755, 1764, 1801, 1802, 1907, 2000, 2000.5, 2002, 2010, 2012, 2013, 2021, 2080, 2081, 2353, 2582, 2583, 2835, 3007, 3503, 3503.5, 3511, 3960.4, 4004, 4150, 4155, 4700, 4810, 5050, 5515, 8598.3 and 12000, Fish and Game Code; Section 597, Penal Code; and Sections 36602 and 36710, Public Resources Code.

Regulatory Text

Section 703, Title 14, CCR, is hereby amended as follows:

§ 703. Miscellaneous Applications, Tags, Seals, Licenses, Permits, and Fees.

- ...[No changes to subsections (a) and (b)]
- (c) Applications, Forms and Fees for multi-year permits valid from date of issuance.
 - (1) Scientific Collecting Permits (SCPs)
 - (A) Application and Permit Fees

The application fee and amendment fee is non-refundable for all permit categories and types. Application and amendment fees shall be submitted with an application, and the permit fee is due within 60 calendar days upon notice of permit approval, or the Department may refuse to issue the permit and change the approval into a denial. The application fee is required, should an applicant re-apply. All fees are subject to Section 713 of Fish and Game Code, and may be adjusted to include other fees required by license agents, pursuant to Fish and Game Code Section 1055.

 General Use application and permit fees are required per the department review program as outlined in Title 14, Section 650(d), CCR. Specific Use application and permit fees include all department review programs.

•		Application Fee	Permit Fee
a.	Scientific Collecting Permit, General Use — Application: Inland Fisheries (form DFW 1379GF, New 09/01/17, incorporated by reference herein); Marine (form DFW 1379GM, New 09/01/17, incorporated by reference herein); and Terrestrial Wildlife (form DFW 1379GW, New 09/01/17 Rev 01/2024, incorporated by reference herein). Fees are for new and renewing Individual and Entity Permitholders.	\$44.76	\$185.34
b.	Scientific Collecting Permit, General Use Application (Student). Use Application forms DFW 1379GW, GF and/or GM. Fees are for new and renewing Student Permitholders.	\$25.00	\$50.00
С	Scientific Collecting Permit, Specific Use Application (form DFW 1379S, New-09/01/17 Rev 01/2024, incorporated by reference herein). Fees are for new and renewing Individual and Entity Permitholders.	\$71.62	\$269.08
d.	Scientific Collecting Permit, Specific Use Application (Student). Use Application form DFW 1379S. Fees are for new and renewing Student Permitholders.	\$25.00	\$50.00

(B) Application request for SCP Amendment.

1.	Individual and Entity Permitholders General Amendments may be requested for General Use level permits only. Specific Amendments may be requested for Specific Use level permits only.	
		Amendment Fee
a.	Scientific Collecting Permit, General Use Amendment: Inland Fisheries (form DFW 1379GFA, New 09/01/17, incorporated by reference herein); Marine (form DFW 1379GMA, New 09/01/17, incorporated by reference herein); Terrestrial Wildlife (form DFW 1379 GWA, New 20/01/17, December	\$61.04
b.	09/01/17 Rev 01/2024, incorporated by reference herein) Scientific Collecting Permit, Specific Use Amendment (form DFW 1379SA, New 09/01/17 Rev 01/2024, incorporated by reference herein)	\$89.28
2.	Students Amendments may be requested for General and Specific use level permits.	
a.	Scientific Collecting Permit Amendment Student (use forms DFW 1379GFA, GMA, GWA and/or SA)	\$25.00
(C) Add	ditional forms for all Permitholders.	
1.	Scientific Collecting Mandatory Wildlife Report (form DFW 1379a, New 09/01/17, incorporated by reference herein)	No Fee
2.	Scientific Collecting Notification of Field Work or Activity (form DFW 1379b, New 07/01/17, incorporated by reference herein)	No Fee
3.	Transfer of Possession Chain of Custody (form DFW 1379c, New 07/01/17, incorporated by reference herein)	No Fee
4.	Scientific Collecting Standard Conditions for All Permits (form DFW 1379d, New 07/01/17, incorporated by	No Fee

NOTE: Authority cited: Sections 713, 1002, 1002.5, 1050, 1055, 2118, 2120, 2122, 2150, 2150.2, 2157 and 5060, Fish and Game Code. Reference: Sections 395, 396, 398, 713, 1002, 1002.5, 1050, 2116, 2116.5, 2117, 2118, 2120, 2125, 2150, 2150.2, 2150.4, 2151, 2157, 2190, 2193, 2271, 3005.5, 3007, 3503, 3503.5, 3511, 3513, 3950, 5060, 5061, 10500, 12000 and 12002, Fish and Game Code; and Title 50, Code

reference herein)

of Federal Regulations, Parts 21.29 and 21.30.

Regulatory Text

Section 703, Title 14, CCR, is hereby amended as follows:

§ 703. Miscellaneous Applications, Tags, Seals, Licenses, Permits, and Fees.

- ...[No changes to subsections (a) and (b)]
- (c) Applications, Forms and Fees for multi-year permits valid from date of issuance.
 - (1) Scientific Collecting Permits (SCPs)
 - (A) Application and Permit Fees

The application fee and amendment fee is non-refundable for all permit categories and types. Application and amendment fees shall be submitted with an application, and the permit fee is due within 60 calendar days upon notice of permit approval, or the Department may refuse to issue the permit and change the approval into a denial. The application fee is required, should an applicant re-apply. All fees are subject to Section 713 of Fish and Game Code, and may be adjusted to include other fees required by license agents, pursuant to Fish and Game Code Section 1055.

1. General Use application and permit fees are required per the department review program as outlined in Title 14, Section 650(d), CCR. Specific Use application and permit fees include all department review programs.

		Application Fee	Permit Fee
a.	Scientific Collecting Permit, General Use — Application: Inland Fisheries (form DFW 1379GF, New 09/01/17, incorporated by reference herein); Marine (form DFW 1379GM, New 09/01/17, incorporated by reference herein); and Terrestrial Wildlife (form DFW 1379GW, New 09/01/17 Rev 01/2024, incorporated by reference herein). Fees are for new and renewing Individual and Entity Permitholders.	\$44.76	\$185.34
b.	Scientific Collecting Permit, General Use Application (Student). Use Application forms DFW 1379GW, GF and/or GM. Fees are for new and renewing Student Permitholders.	\$25.00	\$50.00
C.	Scientific Collecting Permit, Specific Use Application (form DFW 1379S, New 09/01/17 Rev 01/2024, incorporated by reference herein). Fees are for new and renewing Individual and Entity Permitholders.	\$7.1.62	\$269.08
d.	Scientific Collecting Permit, Specific Use Application (Student). Use Application form DFW 1379S. Fees are for new and renewing Student Permitholders.	\$25.00	\$50.00

(B) Application request for SCP Amendment.

1.	Individual and Entity Permitholders – General Amendments may be requested for General Use level permits only. Specific Amendments may be requested for Specific Use level permits only.	
		Amendment Fee
a.	Scientific Collecting Permit, General Use Amendment: Inland Fisheries (form DFW 1379GFA, New 09/01/17, incorporated by reference herein); Marine (form DFW 1379GMA, New 09/01/17, incorporated by reference herein); Terrestrial Wildlife (form DFW 1379 GWA, New 09/01/17, Pay 04/2024, incorporated by reference herein)	\$61.04
b.	09/01/17 Rev 01/2024, incorporated by reference herein) Scientific Collecting Permit, Specific Use Amendment (form DFW 1379SA, New 09/01/17 Rev 01/2024, incorporated by reference herein)	\$89.28
2.	Students Amendments may be requested for General and Specific use level permits.	
a.	Scientific Collecting Permit Amendment Student (use forms DFW 1379GFA, GMA, GWA and/or SA)	\$25.00
(C) Add	ditional forms for all Permitholders.	
1.	Scientific Collecting Mandatory Wildlife Report (form DFW 1379a, New 09/01/17, incorporated by reference herein)	No Fee
2.	Scientific Collecting Notification of Field Work or Activity (form DFW 1379b, New 07/01/17, incorporated by reference herein)	No Fee
3.	Transfer of Possession Chain of Custody (form DFW 1379c, New 07/01/17, incorporated by reference herein)	No Fee
4.	Scientific Collecting Standard Conditions for All Permits (form DFW 1379d, New 07/01/17, incorporated by	No Fee

NOTE: Authority cited: Sections 713, 1002, 1002.5, 1050, 1055, 2118, 2120, 2122, 2150, 2150.2, 2157 and 5060, Fish and Game Code. Reference: Sections 395, 396, 398, 713, 1002, 1002.5, 1050, 2116, 2116.5, 2117, 2118, 2120, 2125, 2150, 2150.2, 2150.4, 2151, 2157, 2190, 2193, 2271, 3005.5, 3007, 3503, 3503.5, 3511, 3513, 3950, 5060, 5061, 10500, 12000 and 12002, Fish and Game Code; and Title 50, Code

of Federal Regulations, Parts 21.29 and 21.30.

reference herein)

California Terrestrial and Vernal Pool Invertebrates of Conservation Priority¹

Species	Federal ESA	CATESA	G-Rank	S-Rank	Other Statuses
GASTROPODA (Snails and slugs)					
Ammonitella yatesii tight coin (=Yates' snail)	None	None	G1	S 1	IUCN - Vulnerable
Ancotrema voyanum hooded lancetooth	None	None	G1G2	S1S2	BLM-Sensitive
Assiminea infima Badwater snail	None	None	G1	S 1	IUCN - Vulnerable
Binneya notabilis Santa Barbara shelled slug	None	None	G1	S 1	IUCN - Data Deficient
Eremarionta immaculata white desertsnail	None	None	G1	S 1	IUCN - Vulnerable
Eremarionta millepalmarum Thousand Palms desertsnail	None	None	G1	S 1	IUCN - Vulnerable
Eremarionta morongoana Morongo (=Colorado) desertsnail	None	None	G1G3	S1	IUCN - Near Threatened
Eremarionta rowelli bakerensis Baker's desertsnail	None	None	G3G4T1	S1	IUCN - Data Deficient
Eremarionta rowelli mccoiana California Mccoy snail	None	None	G3G4T1	\$1	IUCN - Data Deficient
Haplotrema catalinense Santa Catalina lancetooth	None	None	G1	S 1	
Haplotrema duranti ribbed lancetooth	None	None	G1G2	S1S2	
Helminthoglypta allynsmithi Merced Canyon shoulderband	None	None	G1	S1	IUCN - Vulnerable
Helminthoglypta arrosa monticola mountain shoulderband	None	None	G2G3T1	S1	
Helminthoglypta arrosa pomoensis Pomo bronze shoulderband	None	None	G2G3T1	S1	IUCN - Data Deficient
Helminthoglypta ayresiana sanctaecrucis Ayer's snail	None	None	G1G2T1T2	S1S2	
Helminthoglypta callistoderma Kern shoulderband	None	None	G1	S1	IUCN - Endangered

List generated on June 12, 2017 from a query of the California Natural Diversity Database.

¹ This list pertains to Scientific Collecting Permit regulations (Title 14, Section 650, California Code of Regulations). The species on this list include vernal pool, terrestrial, and aquatic invertebrates with a terrestrial phase that are listed under the Federal and California Endangered Species Acts, or have a NatureServe rank of G1, G1G2, S1, S1S2, SH or SX. For a full list of invertebrates of conservation concern, see the California Natural Diversity Database *Special Animals List*: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.



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 t		realition, water	The second of the second	ile zaren as terretaria	Japanas
· · · · · · · · · · · · · · · · · · ·			1		
Aphrastochthonius grubbsi		Muchmore 1984	_	_	S1
i pili ustoci (tiloti uso g. usos)		Selatives State State	1 31		
Aphrastochthonius similis	Common Name Author, Date FedList rs and their relatives) Grubbs' Cave pseudoscorpion Muchmore, 1984 — — — — — — — — — — — — — — — — — — —	_	S1		
· ·p···i doctociti.ioinas siiiiiis		macrimore, 250 i		1	
Banksula californica		Banks, 1900	_	_	SH
Banksula galilei			_		+
bunksulu gumei				·	31
Banksula grubbsi			<u> </u>	_	C1
banksala grabbsi	narvesunan		-	-	S1.
Barrelon de la considera	in an alth la han na atus an		İ		C4
Banksula incredula					21
Daniela da mantina muna			_		C4
Banksula martinorum		1981			21
Dandersky medamor		Duines 1074			C1
Banksula melones					21
Danielanda medalahi	•		_	1 _	64
Banksula rudolphi		1981		-	21
Davidson to the frames		D.: 4074	_		C4
Banksula tuolumne					21
Baralan da ta tanadah san sa					64
Banksula tutankhamen	narvestman		<u> </u>	+ -	21
Callalaa aada	Com Boulto les montos en		<u></u>		64
Calicina arida				-	
Calicina breva				-	S1
	_				
Calicina cloughensis	harvestman				S1
					,
Calicina conifera	Crane Flat harvestman		_		\$1
Calicina diminua		·		_	S1
	. Watts Valley				
Calicina dimorphica	harvestman	1989		_	\$1
Calicina macula	marbled harvestman	Briggs, 1968		_	S1
	Table Mountain	Ubick and Briggs,			
Calicina mesaensis	harvestman		_	_	S1
	Edgewood blind	Briggs and Hom,			
Calicina minor	_		. -	_	S1
Calicina piedra	-	 		_	51
					+
Calileptoneta briggsi		Leatora, 2004			- 51
0.19		0 1 1 1071			
Calileptoneta oasa		Gertsch, 1974	<u> </u>	-	. S1
Colling to the state of the sta	·	1 16 1 222	1		
Calileptoneta ubicki		Leatora, 2004			S1
A Photography and	· ·	0 / 40=-			
Calileptoneta wapiti	spider	Gertsch, 1974			S1

Scientific Name	Common Name	Author, Date	FedList	Callist	s- Rank
Fissilicreagris imperialis	Empire Cave pseudoscorpion	Muchmore, 1969	<u>.</u>	_	S1
Hubbardia idria	Idria short-tailed whipscorpion	Reddell and Cokendolpher, 1991	_		S1
Hubbardia secoensis	Arroyo Seco short-tailed whipscorpion	Briggs and Hom, 1988	_		S1
Hubbardia shoshonensis	Shoshone Cave whip- scorpion	Briggs and Hom, 1972	_		S1
Larca aalbui	Aalbu's Cave pseudoscorpion	Muchmore, 1984			S1
Larca laceyi	Lacey's Cave pseudoscorpion	Muchmore, 1981			S1
Microcina edgewoodensis	Edgewood Park micro- blind harvestman	Briggs and Ubick, 1989	_		S1
Microcina jungi	Jung's micro-blind harvestman	Briggs and Ubick, 1989	_	·	S1.
Microcina leei	Lee's micro-blind harvestman	Briggs and Ubick, 1989	_	_	S1
Microcina lumi	Lum's micro-blind harvestman	Briggs and Ubick, 1989	<u> </u>		S1
Neochthonius imperialis	Empire Cave pseudoscorpion	Muchmore, 1996		_	51
Pseudogarypus orpheus	Music Hall Cave pseudoscorpion	Muchmore, 1981	<u> </u>		S1
Socalchemmis gertschi	Gertsch's socalchemmis spider	Platnick and Ubick, 2001			S1
Socalchemmis icenoglei	Icenogle's socalchemmis spider Monterey socalchemmis	Platnick and Ubick, 2001 Platnick and Ubick,	_		S1
Socalchemmis monterey	spider Ubick's gnaphosid	2001 Platnick and		-	\$1
Talanites ubicki	spider Whitewater Canyon	Ovtsharenko, 1991 Ubick and Briggs,			S1
Texella deserticola	harvestman Kokoweef Crystal Cave	1992 Ubick and Briggs,	_	<u> </u>	S1
Texella kokoweef	harvestman Shoshone Cave	1992 Ubick and Briggs,	_	-	S1
Texella shoshone CRUSTACEANS, Order Anon	harvestman	1992			S1
Dumontia oregonensis	hairy water flea	Santos-Flores and Dodson, 2003	_	_	S1
CRUSTACEANS, Order Anos	traca (fairy shrimp)				
Branchinecta campestris	pocket pouch fairy shrimp	Lynch, 1960	_		S1
Branchinecta conservatio	Conservancy fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered		S2
Branchinecta longiantenna	longhorn fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered		S2
Branchinecta lynchi	vernal pool fairy shrimp	Eng, Belk and Eriksen, 1990	Threatened		\$3
Branchinecta sandiegonensis	San Diego fairy shrimp	Fugate, 1993	Endangered		S1

Scientific Name	Common Name	Author, Date	FedList	CalList	S- Rank
	Santa Rosa Plateau fairy	Thiéry and Fugate,			
Linderiella santarosae	shrimp	1994	_	_	S1
Streptocephalus woottoni	Riverside fairy shrimp	Eng, Belk and Eriksen, 1990	Endangered		S2
CRUSTACEANS, Order Notos					
	vernal pool tadpole		T		[
Lepidurus packardi	shrimp	Simon, 1886	Endangered		S3
INSECTA, Order Coleoptera	· · · · · · · · · · · · · · · · · · ·				<u></u>
	Ciervo aegilian scarab	Gordon &			
Aegialia concinna	beetle	Cartwright, 1977		_	S1
Agrilus harenus	Harenus jewel beetle	Nelson, 1994	_	_	\$1
Anomala carlsoni	Carlson's dune beetle	Hardy, 1976			S1
Anomala hardyorum	Hardy's dune beetle	Potts, 1976	_	_	S1
Thomas Harayorum	Sacramento Valley tiger	1000, 2570	<u> </u>		1 2 2
Cicindela hirticollis abrupta	beetle	Casey, 1913	_	_	SH
	western beach tiger	3007/1 2020			
Cicindela latesignata	beetle	LeConte, 1851	_		S1 .
	20010	Freitag &	1	,	
Cicindela ohlone	Ohlone tiger beetle	Kavanaugh, 1993	Endangered	· —	S1
Cicindela senilis frosti	senile tiger beetle	Varas-Arangua, 1928	_	_	S1
Cicindela tranquebarica	seriile üğer beetie	Knisley and Haines,			31
joaquinensis	San Joaquin tiger beetle	2007	_		S1
Cicindela tranquebarica	San Joaquin tiger beetle	2007			31
viridissima	greenest tiger beetle	Fall, 1910	_	_	S1
Coelus globosus	globose dune beetle	LeConte, 1851	_	_	S1S2
Coelus gracilis	San Joaquin dune beetle	Blaisdell, 1939	-	-	S1
	San Clemente Island				
Coenonycha clementina	coenonycha beetle	Casey, 1909	_	<u> </u>	\$152
Cyclocephala wandae	Wandae dune beetle	Hardy, 1974			S1.
	marsh-elder long-	Beierl and Barchet-			
Deltaspis ivae	horned beetle	Beierl, 1999	_	<u> </u>	S1
Desmocerus californicus	valley elderberry				
dimorphus	longhorn beetle	Fisher, 1921	Threatened		S3
Dinacoma caseyi	Casey's June beetle	Blaisdell, 1930	Endangered	-	S1
	Delta green ground	· · · · · · · · · · · · · · · · · · ·	1		
Elaphrus viridis	beetle	Horn, 1878	Threatened		S1
	western tidal-flat tiger				
Habroscelimorpha gabbii	beetle	Horn, 1866	<u> </u>	_	\$1
· · · · · · · · · · · · · · · · · · ·	juniper metallic wood-				
Juniperella mirabilis	boring beetle	Knull, 1947		<u> </u>	S1
	Algodones sand jewel	Velten and Bellamy,			
Lepismadora algodones	beetle	1987		<u> </u>	S1S2
· · · · · · · · · · · · · · · · · · ·	white sand bear scarab				
Lichnanthe albipilosa	beetle	Carlson, 1980			S1
	Mojave Desert blister			-	
Lytta insperata	beetle	Horn, 1874			S1S2
	Furnace Creek riffle				
Microcylloepus formicoideus	beetle	Shepard, 1990		<u> </u>	S1
	South Forks ground				
Nebria darlingtoni	beetle	Kavanaugh, 1979	-	<u> </u>	S1

Scientific Name	Common Name	Author, Date	FedList	CalList	S- Rank
Nebria gebleri siskiyouensis	Siskiyou ground beetle	Kavanaugh, 1979			S1S2
	Trinity Alps ground				C4
Nebria sahlbergii triad	beetle Lange's El Segundo	Kavanaugh, 1979			S1
Onychobaris langei	Dune weevil	Van Dyke, 1951	_		S1
	Dohrn's elegant			.,	
Palaeoxenus dohrni	eucnemid beetle	Horn, 1878		—	S1S2
Polyphylla barbata	Mount Hermon (=barbate) June beetle	Cazier, 1938	Endangered		S2
-огурпуна вагваца	(-barbate) Julie beetle	Hardy and Andrews,	Liluangereu		32
Polyphylla erratica	Death Valley June beetle	1978			S1S2
Polyphylla morroensis	Morro Bay June beetle	La Rue, 2016	_		S1
Polyphylla nubila	Atascadero June beetle	Van Dyke, 1947	_	_	S1
	Andrew's dune scarab				
Pseudocotalpa andrewsi	beetle serpentine cypress	Hardy, 1971	<u> </u>		S1
Trachykele hartmani	wood-boring beetle	Burke, 1920		_	S1
	Knull's metallic wood-				
Trichinorhipis knulli	boring beetle	Barr, 1948	_	_	S1
Trigonoscuta brunnotesselata	brown tassel trigonoscuta weevil	Pierce, 1975	_	_	S1
Trigonoscuta brunnotesseiata Trigonoscuta dorothea	Dorothy's El Segundo	1 leice, 1973			2+
dorothea	Dune weevil	Pierce, 1975		_	S1
Trigonoscuta rothi algodones	Algodones dune weevil	Pierce, 1975	_	_	S1
rigonoscuta rothi imperialis	Imperial dune weevil	Pierce, 1975		_	S1
rigonoscuta rothi punctata	Punctate dune weevil	Pierce, 1975	_	_	S1
rigonoscuta rothi rothi	Roth's dune weevil	Pierce, 1975			S1
T	Santa Cruz Island shore	Cl 4075			64
rigonoscuta stantoni NSECTA, Order Diptera (flies	weevil	Sleeper, 1975	<u> </u>		S1
	Í	Cazier 1095		T _	S1
Apiocera warneri Brennania belkini	Glamis sand fly Belkin's dune tabanid fly	Cazier, 1985 Philip, 1966	_		S1S2
эгеннини вект	Antioch cophuran	Lumh, 1200			2127
Cophura hurdi	robberfly	Hull, 1960			SX
	Antioch efferian				0.555
Efferia antiochi	robberfly	Wilcox, 1966			S1S2
Metapogon hurdi	Hurd's metapogon robberfly	Wilcox, 1964			S1S2
Paracoenia calida	Wilbur Springs shore fly	Mathis, 1975			S1
Rhaphiomidas terminatus	Delhi Sands flower-	,			
abdominalis	loving fly	Cazier, 1941	Endangered		\$1
Rhaphiomidas terminatus	El Segundo flower-	Carier 1041	_		S1
erminatus	loving fly San Joaquin Valley giant	Cazier, 1941			31
Rhaphiomidas trochilus	flower-loving fly	Coquillett, 1892			S1
NSECTA, Order Hemiptera (1	true bugs)				
	Dry Creek cliff strider	Drake and Chapman,			C4
Oravelia pege	bug	1963	<u> </u>		S1
INSECTA, Order Hymenopter	a jants, pees, and wasps	91			
		7			

Scientific Name Andrena blennospermatis Andrena subapasta Bombus caliginosus	Blennosperma vernal pool andrenid bee An andrenid bee	Author, Date Thorp, 1969	FedList	CalList	Rank
Andrena subapasta Bombus caliginosus	pool andrenid bee	Thorp. 1969	•		
Bombus caliginosus	An andrenid bee	, 2, 2000		_	S1
		Thorp, 1969			S1S2
	obscure bumble bee	Frison, 1927	_	_	S1S2
Bombus crotchii	Crotch's bumble bee	Cresson, 1878		Candidate ^T	S2
Bombus franklini	Franklin's bumble bee	Frison, 1921	Endangered	Candidate ^T	SH
Bombus morrisoni	Morrison's bumble bee	Cresson, 1878			S1S2
Bombus occidentalis	western bumble bee	Greene, 1858	_	Candidate ^T	S1
Bombus suckleyi	Suckley's cuckoo bumble bee	Greene, 1860	_	Candidate ^T	S1
Ceratochrysis bradleyi	Bradley's cuckoo wasp	Bohart, 1982	,	-	S1
Ceratochrysis gracilis	Piute Mountains cuckoo wasp	Bohart, 1982		_	\$1
Ceratochrysis longimala	Desert cuckoo wasp	Bohart, 1982			S1
Cleptes humboldti	Humboldt cuckoo wasp	Moczar, 1996		_	S1S2
Dufourea stagei	Stage's dufourine bee	Bohart, 1980	_		S1
Euparagia unidentata	Algodones euparagia	Carpenter and Kimsey, 2009		-	S1S2
Hedychridium argenteum	Riverside cuckoo wasp	Kimsey, 1978		_	S1S2
Hedychridium milleri	Borax Lake cuckoo wasp	Kimsey, 1978	_		S1
Microbembex elegans	Algodones elegant sand wasp	Griswold, 1996		_	S1
Myrmosula pacifica	Antioch multilid wasp	Mickel, 1940			SH
Neolarra alba	white cuckoo bee	Cockerell, 1916	-		SH
Paranomada californica	California cuckoo bee	Linsley, 1945		_	S1
	Borrego parnopes				
Parnopes borregoensis	cuckoo wasp	Telford, 1964	<u> </u>		S1S2
Perdita algodones	Algodones perdita	Timberlake, 1980		<u> </u>	S1
Perdita frontalis	Imperial Perdita yellow-banded andrenid	Timberlake, 1968			S1S2
Perdita hirticeps luteocincta	bee	Tiberlake, 1960	_	<u> </u>	SX
Perdita stephanomeriae	a fairy bee	Timberlake, 1954			S1S2
Protodufourea wasbaueri	Wasbauer's protodufourea bee	Timberlake, 1955		_	S1
Protodufourea zavortinki	Zavortink's protodufourea bee	Griswold and Bohart, 1996			S1
1 TOSTAUJOUICU ZUVOI LIIMI	Roberts' rhopaiolemma			1	"-
Rhopalolemma robertsi	bee	Roid-Alsina, 1991 Kimsey and	_		S1
Sedomaya glamisensis	Glamis night tiphiid	Wasbauer, 1999			S1
Sphaeropthalma ecarinata	Glamis night mutillid	Schuster, 1958	<u> </u>		S1
	Antioch Dunes halictid				
Sphecodogastra antiochensis	bee	McGinley, 2003	-		S1
Stictiella villegasi	Algodones sand wasp San Francisco Bay Area	Bohart, 1982	_		\$1
Trachusa gummifera INSECTA, Order Lepidoptera	leaf-cutter bee	Thorp, 1963			S1

Scientific Name	Common Name	Author, Date	FedList	CalList	S- Rank
	Lange's metalmark				2.0000000000000000000000000000000000000
Apodemia mormo langei	butterfly	Comstock, 1938	Endangered	_	S1
Callophrys mossii bayensis	San Bruno elfin butterfly	Brown, 1942	Endangered		S2
	San Gabriel Mountains	Emmel, Emmel and			İ
Callophrys mossii hidakupa	elfin butterfly	Mattoon, 1998	<u> </u>	_	\$1\$2
Callophrys sheridanii					
comstocki	desert green hairstreak	Henne, 1940	<u> </u>		S1S2
	Carson Valley wood				
Cercyonis pegala carsonensis	nymph	Austin, 1992	_	-	S1S2
	Oso Flaco patch	Priestaf and J.			
Chlosyne leanira elegans	butterfly	Emmel, 1998	_	–	S1S2
Coenonympha tullia		Porter and Mattoon,			
yontockett	Yontocket satyr	1989	_	l –	S1S2
	monarch - California				
Danaus plexippus plexippus	overwintering				
рор. 1	population	Linnaeus, 1758	Candidate		S2
,	El Segundo blue				
Euphilotes allyni	butterfly	Shields, 1975	Endangered	_	S1
Lupimotes anym	, watton,	Pratt and Emmel,			
Euphilotes baueri	Bauer's dotted-blue	1998	_	_	\$152
		Mattoni, 1955	Endangered		S2
Euphilotes enoptes smithi	Smith's blue butterfly	Mattoni, 1955	Elluarigereu		32
English administration of the substitute of	Bay checkerspot	Chamitala, 1027	Threatened		S3
Euphydryas editha bayensis	butterfly	Sternitzky, 1937	Inreateneu	<u> </u>	33
For the desire of the control of	Mono checkerspot	Cdan 1039	_		\$1S2
Euphydryas editha monoensis	butterfly Quino checkerspot	Gunder, 1928			3132
Frenchuderes aditha suino	butterfly	Behr, 1863	Endangered		S1S2
Euphydryas editha quino	Dutterny	Brown and McGuire,	Lituarigered		3132
Frankria i santula la multila del	. Harbiaania dun ekinnas	1983			S1S2
Euphyes vestris harbisoni	Harbison's dun skipper Kern primrose sphinx	1302			3132
Turns saminus automa	moth	Edwards, 1888	Threatened		S1
Euproserpinus euterpe Glaucopsyche lygdamus	Palos Verdes blue	Perkins and Emmel,	Imeateried		71
palosverdesensis	butterfly	1977	Endangered		S1
	White Mountains	13//	Liluarigereu		71
Hesperia miriamae Iongaevicola	skipper	McGuiro 1009		· ·	S1
 	——————————————————————————————————————	McGuire, 1998		<u> </u>	
Hesperopsis gracielae	MacNeill's sootywing	MacNeill, 1970			\$1\$2
to the translation with the of a	White Mountains	J. Emmel, T. Emmel			S1
Icaricia icarioides albihalos	icarioides blue butterfly	& Mattoon, 1998			
Icaricia icarioides missionensis	Mission blue butterfly	Hovanitz, 1937	Endangered		S2
	Point Reyes blue				
Icaricia icarioides parapheres	butterfly	Boisduval, 1852			S1
Icaricia icarioides pheres	Pheres blue butterfly	Boisduval, 1852			SX
Icaricia saepiolus	White Mountains	Austin and Emmel,			
albomontanus	saepiolus blue butterfly	1998	-		S 1
	San Gabriel Mountains	J. Emmel, T. Emmel,			
Icaricia saepiolus aureolus	blue butterfly	and Mattoon, 1998	<u> </u>	<u> </u>	S1
Lycaena hermes	Hermes copper butterfly	Edwards, 1870	Threatened	<u> </u>	S1
	White Mountains	,		· · · · · · · · · · · · · · · · · · ·	<u> </u>
	TTHE ITIS STICKING	Austin, 1998	i		S1

					S-
Scientific Name	Common Name	Author, Date	FedList	CalList	Rank
Dala ah wishar hammai	Henne's eucosman	Clayler 1017	_		
Pelochrista hennei Philotiella speciosa	moth	Clarke, 1947	_	<u> </u>	\$1
bohartorum	Bohart's blue butterfly	Tilden, 1969			S1.
Plebejus anna lotis	lotis blue butterfly	Lintner, 1879	Endangered		SH
riebėjus arina ious	San Emigdio blue	Linther, 1879	Endangered		211
Plebulina emigdionis	butterfly	Grinnell, 1905	_	_	S1S2
Polites mardon	mardon skipper	Edwards, 1881			S1
ontes maraon	White Mountains	·			31
Polites sabuleti albamontana	sandhill skipper	MacNeill, 1959			S1S2
Pseudocopaeodes eunus	Carson wandering	Austin and J. Emmel,			3102
obscurus	skipper	1998	Endangered	_	S2
The state of the s	Laguna Mountains				
Pyrgus ruralis lagunae	skipper	Scott, 1981	Endangered	_	S1
Speyeria adiaste adiaste	unsilvered fritillary	Behr, 1862		-	S1S2
	callippe silverspot				
Speyeria callippe callippe	butterfly	Boisduval, 1852	Endangered		S1
Speyeria nokómis carsonensis	Carson Valley silverspot	Austin, 1998	←		S1
	Behren's silverspot				
Speyeria zerene behrensii	butterfly	Edwards, 1869	Endangered	_	S1
	Oregon silverspot				
Speyeria zerene hippolyta	butterfly	Edwards, 1879	Threatened		S1
· · · · · · · · · · · · · · · · · · ·	Myrtle's silverspot	dos Passos and Grey,			
Speyeria zerene myrtleae	butterfly	1945	Endangered	_	S1
*		J. Emmel, T. Emmel,			
Speyeria zerene sonomensis	Sonoma zerene fritillary	and Mattoon, 1998		<u> </u>	\$1
INSECTA, Order Mecoptera					
- 1	gold rush hanging	Villegas and Byers,			
Orobittacus obscurus	scorpionfly	1981	I —	_	S1
INSECTA, Order Orthoptera			T		T
A	Santa Monica	Rentz and		,	C4.63
Aglaothorax longipennis	shieldback katydid	Weissman, 1981			S1S2
Ammopelmatus kelsoensis	Kelso jerusalem cricket	Tinkham, 1965		<u> </u>	S1S2
A	Point Conception	Rentz and			54
Ammopelmatus muwu	jerusalem cricket Pinnacles shieldback	Weissman, 1981			S1
ldiostatus kathleenae	katydid	Rentz, 1973		_	S1S2
idiostatus kutmeenae	Middlekauff's	Nemz, 1975			3132
ldiostatus middlekauffi	shieldback katydid	Rentz, 1973			S1
ialostatus midalekaajji	desert monkey	Refitz, 1373			31
Psychomastax deserticola	grasshopper	Hebard, 1934	· _	·	S1
1 3y anomastan acaci tioona	Sierra pygmy	Rehn and Grant,			01
Tetrix sierrana	grasshopper	1956	_		S1
	Zayante band-winged	Rentz and		<u> </u>	1
Trimerotropis infantilis	grasshopper	Weissman, 1981	Endangered	_	S1
Trimerotropis occulens	Lompoc grasshopper	Otte, 1984		_	S1S2
INSECTA, Order Plecoptera		1, :	1	<u> </u>	0202
	Lake Tahoe benthic	1	T	1	T :
Capnia lacustra	stonefly	Jewett, 1965			S1
INSECTA, Order Orthoptera		1 - 2	_L		

Scientific Name	Common Name	Author, Date	FedList	CalList	-S- Rank
Cryptochia denningi	Denning's cryptic caddisfly	Wiggins, 1975		_	S1S2
Cryptochia shasta	confusion caddisfly	Denning, 1975			S1 .
Cryptocina Shasta	California diplectronan	D 0111111111111111111111111111111111111			
Diplectrona californica	caddisfly	Banks, 1914			S1
		Wiggins and Erman,			
Farula praelonga	long-tailed caddisfly	1987	_	_	S1S2
	Sagehen Creek				
Goeracea oregona	goeracean caddisfly	Denning, 1968	_	_	\$1S2
Lepidostoma ermanae	Cold Spring caddisfly	Weaver, 1988	_	<u> </u>	S1
	Fort Dick limnephilus	,			
Limnephilus atercus	caddisfly	Denning, 1965	_	–	\$1\$2
Neothremma siskiyou	Siskiyou caddisfly	Denning, 1975	_		S1
Webtinetimia siskiyou	King's Creek parapsyche	Demning, 1979			
Parapsyche extensa	caddisfly	Denning, 1949	_	_	S1
Turapsyeric exterisa	Castle Crags	Deminig, 25-15			
Rhyacophila lineata	rhyacophilan caddisfly	Denning, 1956		_	S1
Anyacopinia inicata	bilobed rhyacophilan	Defining 2000	-		
Rhyacophila mosana	caddisfly	Denning, 1956	_	_	S1
GASTROPODA (snails and slugs		Delitting) 2000		<u></u>	
· · · · · · · · · · · · · · · · · · ·	tight coin (=Yates' snail)	Cooper, 1868			S1
Ammonitella yatesii					
Ancotrema voyanum	hooded lancetooth	Newcomb, 1865			51\$2
Assiminea infima	Badwater snail	Berry, 1947			S1
	Santa Barbara shelled				
Binneya notabilis	slug	Cooper, 1863		_	S1
Eremarionta immaculata	white desertsnail	Willett, 1937	_		S1
	Thousand Palms				
Eremarionta millepalmarum	desertsnail	Berry, 1930	_	_	\$1
	Morongo (=Colorado)				
Eremarionta morongoana	desertsnail	Berry, 1929		_	S1.
Eremarionta rowelli		Pilsbry and Lowe,			İ
bakerensis	Baker's desertsnail	1934	<u> </u>		_S1
Eremarionta rowelli mccoiana	California Mccoy snail	Willett, 1935	_		S1
	Santa Catalina				
Haplotrema catalinense	lancetooth	Hemphill, 1890		- .	S1
Haplotrema duranti	ribbed lancetooth	Newcomb, 1864	_	_	S1S2
	Merced Canyon	<u></u>			
Helminthoglypta allynsmithi	shoulderband	Pilsbry, 1939	_	_	S1
Helminthoglypta arrosa					
monticola	mountain shoulderband	Roth, 1982	-	_	S1
Helminthoglypta arrosa	Pomo bronze				
pomoensis	shoulderband	Smith, 1938	—	_	S1
Helminthoglypta ayresiana					
sanctaecrucis	Ayer's snail	Pilsbry, 1927			S1S2
Helminthoglypta		Pilsbry and Ferriss,		,	-
callistoderma	Kern shoulderband	1919			S1
Helminthoglypta coelata	mesa shoulderband	Bartsch, 1916			S1
		Roth and Hochberg,		-	
Helminthoglypta concolor	whitefir shoulderband	1988	I —		\$1\$2

Scientific Name	Common Name	Author, Date	FedList	CalList	S- Rank
Helminthoglypta fontiphila	Soledad shoulderband	Gregg, 1931	_	_	S1.
	٠.	Hanna and Smith,	-		
Helminthoglypta hertleini	Oregon shoulderband	1937			S1S2
Helminthoglypta milleri	peak shoulderband	Reeder, 1986	-	_	S1
Helminthoglypta mohaveana	Victorville shoulderband	Berry, 1927		-	S1
Helminthoglypta nickliniana	Peninsula coast range	,,			-
awania	shoulderband	Bartsch, 1919	_		S1
Helminthoglypta nickliniana	Bridges' coast range			· · · · · · · · · · · · · · · · · · ·	
bridgesi	shoulderband	Newcomb, 1861	-	_	S1S2
Helminthoglypta sequoicola					
consors	redwood shoulderband	Berry, 1938	_		S1
Helminthoglypta stiversiana	Williams' bronze				
williamsi	shoulderband	Smith, 1938	. —		51
Atalas tarta a alaman randa d		Reeder and Roth,			
Helminthoglypta taylori	westfork shoulderband	1988			S1
Helminthoglypta traskii	Pacoima shoulderband	Cross 1031	· _		[4
pacoimensis	Grapevine Grapevine	Gregg, 1931 Roth and Hochberg,			S1
Helminthoglypta uvasana	shoulderband	1992			S1
nemmanogrypta avasana	Silvaluerbaria	Roth and Hochberg,			31
Helminthoglypta vasquezi	Vasquez shoulderband	1992	_	_	S1
Helminthoglypta walkeriana	Morro shoulderband	Hemphill, 1911	Threatened	·	S2
Herpeteros angelus	Soledad desertsnail	Gregg, 1949	Tilleaterieu		S1
					
Hesperarion plumbeus	leaden slug Santa Barbara	Roth, 2004	_		S1S2
Micrarionta facta	islandsnail	Newcomb, 1864	_		S1S2
Micrarionta feralis	San Nicolas islandsnail	Hemphill, 1901	<u> </u>	_	S1
Wicialiona Jerais	San Clemente	Hemphill, 1301			21
Micrarionta gabbii	islandsnail	Newcomb, 1864	_	<u> </u>	S1
Micrarionta opuntia	pricklypear islandsnail	Roth, 1975			S1
Monadenia callipeplus	downy sideband	Berry, 1940	<u> </u>		
· · · · · · · · · · · · · · · · · · ·	<u> </u>		_		S1S2
Monadenia cristulata	crested sideband	Berry, 1940			S1S2
Monadenia fidelis leonina	A terrestrial snail	Berry, 1937			S1S2
**	rocky coast Pacific				
Monadenia fidelis pronotis	sideband	Berry, 1931		-	S1
Monadenia infumata ochromphalus	yellow-based sideband	Down, 1027		_	S1S2
	1	Berry, 1937		Thursday and T	1
Monadenia infumata setosa	Trinity bristle snail	Talmadge, 1952	-	Threatened ^T	S2
Monadenia marmarotis	marble sideband	Berry, 1940			S1
Monadenia mormonum		211 1 1000			04.00
buttoni	Button's Sierra sideband	Pilsbry, 1900			S1S2
Monadenia mormonum hirsuta	hirsute Sierra sideband	Pilsbry, 1927	_	_	C1
		· ·	 		S1
Monadenia tuolumneana	Tuolumne sideband	Berry, 1955	 		S1
Monadenia yosemitensis	Yosemite sideband	Lowe, 1916			S1S2
Noyo intersessa	Ten Mile shoulderband	Roth, 1987			S1S2
Pristiloma shepardae	Shepard's snail	Hemphill, 1892			S1
Punctum hannai	Trinity Spot	Roth, 1985	_		S1S2

					S-
Scientific Name	Common Name	Author, Date	FedList	CalList	Rank
Radiocentrum avalonense	Catalina mountainsnail	Hemphill, 1905		<u> </u>	S1
Rothelix warnerfontis	Warner Springs shoulderband	Reeder and Miller, 1988			S1
Sterkia clementina	San Clemente Island blunt-top snail	Sterki, 1890			S1S2
Trilobopsis roperi	Shasta chaparral	Pilsbry, 1889			S1
Trilobopsis tehamana	. Tehama chaparral	Pilsbry, 1928			S1
Vespericola pressleyi	Big Bar hesperian	Roth, 1985	_	<u> </u>	S 1
Vespericola scotti	Benson Gulch hesperian	Cordero and Miller, 1995	_	_	S1
Vespericola sierranus	Siskiyou hesperian	Berry, 1921		<u> </u>	S1S2
Xerarionta intercisa	horseshoe snail	Binney, 1857	_		S1
Xerarionta redimita	wreathed cactussnail	Binney, 1858			S1
Xerarionta tryoni	Bicolor cactussnail	Newcomb, 1864	_		S1



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 1 of 16

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. PERM	MIT REQUEST									
Type of Applicatio	n: (select one)			·				**********		
☐ New	☐ Renewal With	n Changes	Renewa	al With	out Changes	Permit I	D to	Renew	·	
following the expira	tion of the permit, or rmit (refer to Title sting permit, and r	upon submi 14, subsect nay result ir	tting a renew ion 650(p), C n denial of su	val app CCR fo ubsequ	olication, which or reporting rec uent applicatio	never co juiremer ns by the	mes nts). at Pe	first, or as i Failure to s ermitholder,	required by the A ubmit required re or denial of futu	eports shall result in
Application and Po	ermit Fees: (appli	es to both N	lew and Ren	iewals))				•	
Fees exclude a no item (Section 700.		percent (39	%) application	n fee, i	not to exceed	\$7.50 pt	er	Individual	or Entity (3 yea	r) Student (1 year)
Application Fee (nonrefundable and	d submitted	with applicat	tion)					\$44,76	\$25.00
Permit Fee (submit at time of application – refundable if denied, or submit or when no of approved permit)					en notifi	ed		\$185.34	\$50.00	
SECTION 2. PERM	MITHOLDER INFO	RMATION								
Permitholder Type	: Pursuant to Title	14, subsec	ction 650(f), s	select 1	the type of Pe	rmithold	er yo	ou are apply	ring as:	
☐ ENTITY		responsibl	e party for th	ie pern	nit, and who d	esignate	es a l	Principal Inv	estigator. The l	tive Signatory is the Executive Signatory
☐ INDIVIDUAL	Complete Section Permitholder and				Individual. A p	erson a	pplyi	ing for an In	idividual permit s	shall serve as both the
STUDENT	Complete Section	n 2c if apply	ying as an eli	igible S	Student (stude	nts may	also	apply for I	ndividual and/or	Entity permits).
Permitholder Affili	iation: Select one	or more ca	tegories or ty	/pe(s):						
Academic/ Non-Pi		Governme			Business			Independe	ent	Other (describe below)
☐ University of Ca ☐ University — Ca ☐ University — Private/ Out of ☐ K-12 Education ☐ Junior/ City Col ☐ Aquarium or Zo 501(c)3 Non-pro ☐ Research/ Con	State State lege so ofit)	☐ Native☐ State A☐ Munic☐ Non-m	al Agency American T Agency ipal nunicipal Utili nment –Othe	ity	☐ Environm Consultin ☐ Business Forest Mana ☐ Business Biomedic Pharmac ☐ Business	g - Timbe gement - al/ eutical		Consu	-	
Education (501)								,		
☐ Academic/ Non										
2a. ENTITY				,	٠					•
NAME OF ENTITY (C	DRGANIZATION, AF	FILIATION, (OR PARTNER	SHIP)					GO ID NUMBER	(FROM ALDS)
ENTITY MAILING AD	DDRESS			*****		····			ENTITY ID (if app	olicable)
CITY							STA	TE	ZIP CODE	ia.
PREFERRED TELEF	PHONE	·		ALTER	RNATE TELEPI	HONE	L		I	
Entity Executive \$	Signatory (Note: if	the Execut	ive Signator	y will a	lso act as the	Principa	al Inv	estigator, c	omplete section	3b as well)
SC ID (if known)	FIRST NAME		M.I.		T NAME			J, -	GO ID (FROM AL	
TITLE /POSITION	.	****		I	E-MAIL ADDRI	ESS				



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 2 of 16

PREFERRED TELEPHONE ALTERNATE 1					E			
PREFERRED MAILING ADI	DRESS							
CITY		 		S	TATE	ZIP CO	ODE	
2b. INDIVIDUAL (Princi			·	.,				
SC ID (if known)	FIRST NAME	M.I. LAST N	NAME	•			GO ID (FR	OM ALDS)
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CITY			STATE		ZIP CODE			
Individual Affiliation: (if	(applicable)				l	•		
AFFILIATION'S NAME	арриодые)							4
AFFILIATION'S ADDRESS								
CITY						STATE		ZIP CODE
Individual Qualification	is and References (Refer to requ	uirements in Sectio	on 3a of this a	pplicati	on, and Title	14, subse	ction 650(h)	CCR):
☐ STATEMENT OF QU	JALIFICATIONS ATTACHED		☐ RESU	ME OF	R CURRIC	JLUM VIT	TAE ATTA	CHED
☐ REFERENCE 1:	FIRST NAME			M	I.I. LA	ST NAME		
TITLE /POSITION			E-MAIL ADI	DRESS				
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AFFILIATION'S NAME (if a	applicable)	· · · · · · · · · · · · · · · · · · ·						
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☐ REFERENCE 2:	FIRST NAME	•		N	vI.I. LA	ST NAME		
TITLE /POSITION			E-MAIL ADI	DRESS	3			
PREFERRED TELEPHONE	Ē		ALTERNATE TELEPHONE					
AFFILIATION'S NAME (if a	applicable)							
2c. STUDENT			.					
	T NAME M	1.I. LAST NAI	ME			GO ID	(FROM ALI	DS)
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STUDENT PREFERRED M	IAILING ADDRESS							



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE) DFW 1379GW (NEW-09/01/17REV 01/2024) Page 3 of 16

CITY				STATE	ZIP CODE			
Student Affiliation:	To see a source area area	AAID DE	7054501105015		brone			
UNIVERSITY/ ACADEMIC INSTITUTION	DEPARIMENT	AND RE	ESEARCH GROUP		DEGRE	E PURSUED (e.g., B.S.)		
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CITY				STATE	ZIP CODE			
Student Qualifications (Refer to requirements	in Section 3a of t	his appli	cation, and Title 14,	subsection 650	(h) CCR);			
STATEMENT OF QUALIFICATIONS ATT	*				CULUM VITAE ATT	TACHED		
Student Sponsorship: One faculty membe		roof of						
SPONSOR FIRST NAME M.		NAME						
UNIVERSITY/ ACADEMIC INSTITUTION	I		DEPARTMENT AND	RESEARCH G	ROUP			
TITLE /POSITION		E	E-MAIL ADDRESS	RESS				
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CITY				STATE	ZIP CODE			
LETTER OF SPONSORSHIP ATTACHE	D (Refer to Title	14 80	hsection 650(h)(4)	CCR for the r	responsibilities of a	Sponsor)		
								
SECTION 3. QUALIFICATIONS AND PROI	POSED LIST OF	F AUTH	IORIZED INDIVID	UALS				
3a. Required Qualifications	and a sure of the			, <u> </u>		- Maria - Antonia el>		
The following information is required for all p of the permitted activities, or be named on the	•				•			
1. Statement of Qualifications (SOQ): A st	•		•			·		
similar wildlife. The statement of qualifica	tions shall inclu	de appr	oximate number o	of hours of focu	ised activity in occi	ipied habitat, as well as		
the approximate number of hours conduct								
wildlife taxonomic group, or similar wildlife training, any relevant survey, or hands-on								
650(b)(19) are met;	training, or exp	Jenence	s, and for i inicipa	i investigators		billies under subsection		
Resume or curriculum vitae: A resume including a list of any relevant publications		tae that	describes the edu	ıcational backı	ground and wildlife-	related experience,		
3. References: Except for Student Permitho		ontact ii	nformation (indica	ted helow) for	hwo (2) references	(for example, other		
Permitholders or experts) who can verify the	=		•	•		(Ioi example, eale)		
3b. Principal Investigator (PI)			· · · · · · · · · · · · · · · · · · ·			Y PERMITHOLDERS)		
The PI is responsible for providing adequate								
Title 14, subsection 650(f), CCR. If the Exe of this application, complete the required inf			•					
SC ID FIRST NAME		AST NA		ilications ironi	Section 3a of this a	DOB (MM/DD/YEAR)		
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☐ U.S. STATE ID ☐ PASSPORT ☐	TRIBAL MEMI	BER	-					
TITLE /POSITION			E-MAIL ADDRESS	3		,		
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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 4 of 16

CITY			<u> </u>			STATE		ZIP COE	DE
AFFILIATION'S NAME (i	f applicable)						. <u></u>		
AFFILIATION'S ADDRES	68				· · · · · · · · · · · · · · · · · · ·				
CITY						STATE		ZIP CO	DE
STATEMENT OF	QUALIFICATIONS A	 \TTACHED			□ RESUMI	_l F OR CU	RRICULUM VI	TAF AT	TACHED
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AFFILIATION'S NAME (I	f applicable)				I				
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AFFILIATION'S NAME ((if applicable)				<u> </u>				4,4,4
					· · · · · · · · · · · · · · · · · · ·				
3c. PROPOSED LIST									IT PERMITHOLDERS)
Complete the required of eight (8) Authorized									Total No. Authorized Individuals requested:
permit fees (refer to T									marriadais roquosca.
approved per Authoriz	• •		-						
to Section 3a of this a application.	pplication). It no pe	isons are re	questeu	as Au	unonzea maividua	15, 5KIP (U	Jechon 4 or a	IIO	
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☐ STATEMENT OF	QUALIFICATIONS	ATTACHED			RESUM	E OR CU	RRICULUM VI	TAE AT	TACHED
REFERENCE 1:						M.I.	LAST NAME		
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PREFERRED TELEPHO	DNE	_			ALTERNATE TELEF	PHONE			No. 10
AFFILIATION'S NAME	(if applicable)		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	l					<u>'</u>
☐ REFERENCE 2:	FIRST NAME					M.1.	LAST NAME	<u>, , , , , , , , , , , , , , , , , , , </u>	
TITLE /POSITION				E	E-MAIL ADDRESS		L		,
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CALIFORNIA	SCIENTIFIC COLLE	Department of Fish and V CTING PERMIT, GENER /-09/04/47 <u>REV 01/2024</u>) l	RAL USE - AI	PPLICATION (TERRESTRIAL WILDLIFE)		
AFFILIA	ATION'S NAME (if applic	able)				
<add< th=""><th>New Record> Select</th><th>to provide the same requ</th><th>ired information</th><th>on for each person requested as an Authori</th><th>zed Individual</th><th></th></add<>	New Record> Select	to provide the same requ	ired information	on for each person requested as an Authori	zed Individual	
3d. REI	LATED PERMITS					
Authori		ed above) with permits re		tholders, and/or Principal Investigators or ork planned with this permit? If yes,	☐ Yes	□ No
FIRST	NAME	LAST NAME		AFFILIATION NAME	PERMIT ID	
1		1			1	

<Add New Record>



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE) DFW 1379GW (NEW 09/01/17REV 01/2024) Page 6 of 16

	INFORMATION -	

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 lietList (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), C0	Ort. For outor	- opcomy
in blank below another activity that does not clearly fit into one of these categories.		

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

4b. JUSTIFICATION OF USE:

Use the space below to summarize your proposed wildlife and activities. It is <u>not</u> 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



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE) DFW 1379GW (NEW-09/01/1-7REV 01/2024) Page 7 of 16

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.

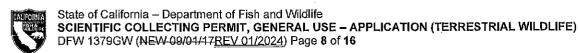
Additional conditions for terrestrial and vernal pool invertebrates may be specified as Conditions of your Terrestrial Wildlife General Use Permit at time of issuance. *Any invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority List that are incidentally 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="" from<br="" list="">Section 3c></filtered>	<filtered dropdown="" list<br="">from Section 3c></filtered>	<filtered 3c="" dropdown="" from="" list="" section=""></filtered>

<Add New Record>

W1 Measures Minimizing Harm of Wildlife:



		death of all captured wildlife, including how you will avoid the	
		cies, and describe how you will minimize risk to wildlife during and supervision, discriminant capture methods, handling procedures	
and duration, etc.).			
<text box=""></text>			
	•	·	
	*		
Adult and larval amphibians m	ay be taken in accordance with	the restrictions below.	
Wildlife and Activities: Amphik Anura and Caudata incidentally capture activities may be salvag	encountered during field activities m	sured, marked, and released. Non-native amphibians from the Orders hay be captured and sacrificed. Amphibians incidentally killed during	
Prohibited Wildlife : The follow immediately released without fu		stages shall not be targeted, and if incidentally captured shall be	
 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: Amy invasive methods (i.e., non-toxic		d dip net. Amphibians may be marked using standard non-toxic, non-	
Limit and Disposition: Captur unlimited. All salvaged specime entity in California within three r	ens shall be deposited in a public sci	oited amphibians – unlimited. Sacrifice of non-native amphibians – entific or educational institution, zoological park, museum or scientific	
Locations: Throughout Californ	nia,		
Additional conditions for amphibissuance.	oians may be specified as Condit	ions of your Terrestrial Wildlife General Use Permit at time of	
W2 Proposed Authorized Individu	als:		
SC ID	FIRST NAME	LAST NAME.	
<filtered dropdown="" from<br="" list="">Section 3c></filtered>	<filtered 3c="" dropdown="" from="" list="" section=""></filtered>	<filtered 3c="" dropdown="" from="" list="" section=""></filtered>	
<add new="" record=""></add>			
W2 Measures Minimizing Harm of	Wildlife:		
Describe what measures will be emincidental capture (by-catch) of non-	oloyed to minimize incidental harm or target wildlife and special status spe	death of all captured wildlife, including how you will avoid the cies, and describe how you will minimize risk to wildlife during handling vision, discriminant capture methods, handling procedures and	
<text box=""></text>			
46	<u> </u>		
☐ Reptiles (W3)			
	rdance with the restrictions he	OW	

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.



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE) DFW 1379GW (NEW 09/01/17REV 01/2024) Page 9 of 16

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

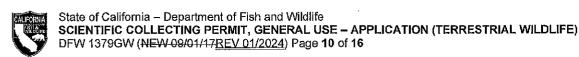
Methods and Equipment: Small mammals may be captured by box or cage live-traps of appropriate size to preclude capture of medium-sized mammals or carnivores. Small mammals may be marked using standard non-toxic, non-invasive methods (i.e., non-toxic ink or black dye).

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 Individu	als:	
SCID	FIRST NAME	LAST NAME



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W4 Measures Minimizing Harm o	f Wildlife:	
incidental capture (by-catch) of nor	n-target wildlife and special status sp	or death of all captured wildlife, including how you will avoid the ecies, and describe how you will minimize risk to wildlife during handling rvision, discriminant capture methods, handling procedures and
<text box=""></text>		

☐ 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.

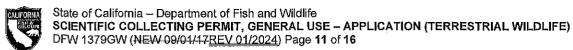
Locations: Throughout California.

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
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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.).



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TOAL DOX		
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	.	
☐ Terrestrial Wildlife Salvage	(W6)	
Dead terrestrial wildlife may l	oe taken in accordance with the r	estrictions below.
all Authorized Individuals nam	ed or covered under this Authorization conservation education purposes. Deac	reptiles, mammals, birds, and their parts, that the Permitholder and had no part in the killing or death thereof may be salvaged from the specimens that are unsuitable for donation shall be left at the site of
State-listed Threatened and E	Endangered, State-designated Candida	e salvaged without additional written instruction from the department te, or Fully Protected species, mountain lions, big game (bear, elk bird eggs (including viable or unviable eggs and abandoned nests).
Limit: Unlimited non-Prohibite	d Wildlife.	
	ed specimens shall be deposited in a p thin three months of acquisition.	ublic scientific or educational institution, zoological park, museum c
Locations: Throughout Califo	rnia, excluding at renewable energy fac	ilities, when part of mortality monitoring activities.
Additional conditions for salvag	e may be specified as Conditions of	your Terrestrial Wildlife General Use permit at time of issuance
W6 Proposed Authorized Individ	luals:	
SC ID	FIRST NAME	LAST NAME
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<add new="" record=""></add>		
W6 Measures to Minimizing Hari	n of Wildlife:	
Describe what measures will be er avoid the incidental possession of	nployed to minimize incidental harm to	other wildlife during your salvage activities, including how you will becies. List the name(s) and address(es) of the public, scientific of of will be transferred, if known.
<text box=""></text>		· · · · · · · · · · · · · · · · · · ·



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 12 of 16

SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMEN	ITS			
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	
 		[
☐ Federal Endangered Species Act 10(a)(1)(A) Native Endangered a Threatened Species Recovery Permit – U.S. Fish and Wildlife Service	☐ Bird Banding Permit – U.S. Geological S	Survey		
Permit No(s):		Permit No(s):		
☐ Federal Endangered Species Act 10(a)(1)(A) Scientific Research F National Oceanic and Atmospheric Administration, Fisheries (NMFS)		☐ Migratory Bird Permit – U.S. Fish and W	/ildlife Service	
Permit No(s):		Permit No(s):		
Federal Endangered Species Act 4(d) rule – Research		Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife		
Permit No(s):		Refuge, etc.) Type and Permit No.(s):		
5b. STATE PERMITS				
Do you currently hold, or are named on, or have applied for, or will appactivities? Select all that apply, and attach copies of permits and/or apply.	•	te permit pertinent to your requested take	☐ Yes	
addivides: Object all that apply, and attach copies of permits and/or ap	эрлоанопа.		□ No	
☐ California Endangered Species Act and/or Fully Protected Species Research MOU(s) — Department Permit or MOU Names or No.(s):	Commo	on name(s) (<i>Scientific name</i>)	•	
		and a California Doub of Food and Agricult	tura\	
Scientific Research and Collecting Permits – CA State Parks	Oth	er (e.g., California Dept. of Food and Agricul	ture)	
Permit No(s): 5c. RELEVANT ENVIRONMENTAL DOCUMENTS	· · · :			
Are you proposing to conduct activities to meet requirements of an en	vironmenta	Il plan or document or to meet other	☐ Yes	
environmental compliance required by law? Select all that may apply,				
·	· · · · · · · · · · · · · · · · · · ·		L No	
☐ Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion		☐ Federal Hydropower Licensing (Federal Energy Regulatory Commission)		
Renewable Energy (i.e., wind, solar, etc.)		California Environmental Quality Act		
☐ National Environmental Policy Act		☐ Fish Restoration Grants Program		
Natural Community Conservation Plan Lake and Streambed Alteration Agreement				
☐ Hatchery, or Department Fishery Management Plan ☐ Water Operations (U.S. Bureau of Reclamative Water Resources, Interagency Ecological Prog				
Other				



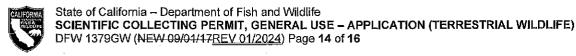
State of California – Department of Fish and Wildlife
SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (TERRESTRIAL WILDLIFE)
DFW 1379GW (NEW-09/01/17REV 01/2024) Page 13 of 16

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 fall 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."

working under this permit will be adoquately supervised, and comply with the requirements noted at	JOVG.
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 <u>not</u> 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 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 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.

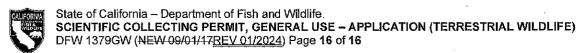
**Credit Cards – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting.

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

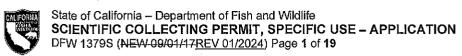
NOTICE

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.



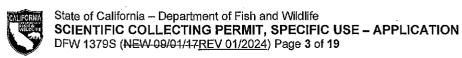
Market Blvd., Sacramento, CA 95834 or <u>Irb@wildlife.ca.gov</u>. All requests shall include the requestor's name, address, and telephone number.



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.

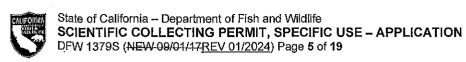
SECTION 1. PERM	IIT REQUEST				144 J. 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
Type of Applicatio	n: (select one)				,					,
□ New	☐ Renewal With	h Changes 🔲 Rene	wal Witl	hout Changes	Permit II	o to Ren	ew			
following the expirate conditions of the pe revocation of an exi	tion of the permit, rmit (refer to Title sting permit, and r	nvestigators and Stude upon submitting a rene 14, subsection 650(p), may result in denial of on other permits, purs	ewal ap CCR fo subseq	plication, which or reporting rec uent application	never con juirement ns by tha	nes first, ts). Failu at Permit	or as r ire to si holder,	equired by the A ubmit required re or denial of futur	uthoriza ports sh	itions or all result in
Application and Pe	ermit Fees: (appli	es to both New and Re	enewals	3)						
Fees exclude a no item (Section 700.		percent (3%) applicat	ion fee,	not to exceed	\$7.50 pe	Indi	vidual	or Entity (3 yea	r) Stud	dent (1 year)
		d submitted with applic		ı				\$71.62		\$25.00
Permit Fee (submapproved permit)	it at time of applic	ation – refundable if de	enied, d	or submit when	notified o	of	!	\$269.08		\$50.00
SECTION 2. PERI	WITHOLDER INFO	RMATION							in a second of	
Permitholder Type	e: Pursuant to Title	e 14, subsection 650(f)	, select	t the type of Pe	rmitholde	er you ar	e apply	ing as:		
☐ ENTITY ☐ INDIVIDUAL	principal officer o and the Principal Complete Sectio	n 2a if applying as an or responsible party for Investigator may be the n 2b if applying as an the Principal Investigation.	the per e same eligible	mit, and who d e person - refer	esignate: to Sectio	s a Princ on 3b of	ipal Inv this app	estigator. The E dication.	xecutive	e Signatory
STUDENT	Complete Sectio	n 2c if applying as an	eligible	Student (stude	nts may	also app	ly for Ir	ndividual and/or	Entity pe	ermits).
	iation: Select one	or more categories or	type(s):	···					
Academic/ Non-P	rofit	Government		Business		Inde	pende		Other (d	lescribe
University of Ca University – Ca University – Private/ Out of K-12 Education Junior/ City Col Aquarium or Zo 501(c)3 Non-pro Research/ Con Education (501	Il State State Illege oofit) servation/	Federal Agency Native American State Agency Municipal Non-municipal U GovernmentOt	tility	☐ Environm Consultin Business Forest Manag Business Biomedic Pharmac Business	g - Timber gement al/ eutical	d	Consu Resea	- 1		
☐ Academic/ Non	-Profit -Other									
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ENTITY MAILING AD	DDRESS			,				ENTITY ID (if app	licable)	
СІТҮ						STATE		ZIP CODE		
PREFERRED TELEF	PHONE .		ALTE	RNATE TELEPI	HONE					
1 7		f the Executive Signat			Principa	l Investi				ell)
SC ID (if known)	FIRST NAME	M.I.	LA	ST NAME				GO ID (FROM AL	naj	

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PREFERRED MAILING AD	DRESS						
CITY					STATE	ZIP CO	DDE
2b. INDIVIDUAL (Princi	ipal Investigator)						
	FIRST NAME	M.l.	LAST N	AME			GO ID (FROM ALDS)
GOVERNMENT-ISSUED II	DENTIFICATION (SELECT ONE)	ll.		STATE,COUNT	RY, OR TRIBE	OF ID	ID NUMBER
☐ U.S. STATE ID		IBAL MEN	I BER				
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	ns and References (Refer to requ	uirements ir	n Sectio				
STATEMENT OF QU	JALIFICATIONS ATTACHED			☐ RESUME		ULUM VIT ST NAME	TAE ATTACHED
☐ REFERENCE 1:	FIRST NAME				Will LA	OT NAME	
TITLE /POSITION				E-MAIL ADDRE	SS		
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AFFILIATION'S NAME (if	applicable)						
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TITLE /POSITION				E-MAIL ADDRE	SS		- Wild And Marked Link & Company and Palmon 1
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AFFILIATION'S NAME (if	applicable)						
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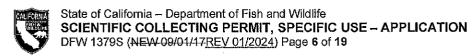


STUDENT PREFERRED MAILING ADDRESS					
CITY			STATE	ZIP CODE	
Student Affiliation:				J.	
UNIVERSITY/ ACADEMIC INSTITUTION	DEPARTMENT AND R	RESEARCH GROUP		DEGREE	PURSUED (e.g., B.S.)
AFFILIATION'S ADDRESS			<u> </u>	<u> </u>	
CITY			STATE	ZIP CODE	· · · · · · · · · · · · · · · · · · ·
Student Qualifications (Refer to requirements	In Section 3a of this app	olication, and Title 14,	subsection 650	\ (h) CCR):	
☐ STATEMENT OF QUALIFICATIONS ATT	ACHED	☐ RESUM	IE OR CURRIC	CULUM VITAE ATTA	ACHED
Student Sponsorship: One faculty member				•	
SPONSOR FIRST NAME M.I					
UNIVERSITY/ ACADEMIC INSTITUTION		DEPARTMENT AND	RESEARCH G	ROUP	
TITLE /POSITION		E-MAIL ADDRESS			
PREFERRED TELEPHONE	** ** ***	ALTERNATE TELEF	PHONE		
SPONSOR MAILING ADDRESS					
CITY			STATE	ZIP CODE	
☐ LETTER OF SPONSORSHIP ATTACHE	O (Refer to Title, subs	section 650(h)(4) C	CR for the rest	oonsibilities of a Spo	nsor).
SECTION 3. QUALIFICATIONS AND PROP	OSED LIST OF AUT	HORIZED INDIVID	UALS		
3a. Required Qualifications				<u>ri palaust etalta et</u>	
The following information is required for all po of the permitted activities, or be named on th		* *		•	
1. Statement of Qualifications (SOQ): A statement of qualifications the approximate number of hours conductivited the approximate number of hours conductivited training, any relevant survey, or hands-on 650(b)(19) are met;	ions shall include app ng the proposed activ taxon, locations and	proximate number o vities, capture meth dates experience v	of hours of focu ods, and proce vas obtained, a	used activity in occup edures for each requ and the name(s) of p	pied habitat, as well as lested wildlife species, ersons who provided
Resume or curriculum vitae: A resume of including a list of any relevant publications		it describes the edu	ucational backs	ground and wildlife-r	elated experience,
3. References: Except for Student Permithol Permitholders or experts) who can verify the possession of mountain lion (<i>Puma concol</i> Section 4810 of the Fish and Game Code.	ne applicant's experie lor), two letters of rec	nce with requested	l wildlife. For r	new applicants requ	esting take and/or
3b. Principal Investigator (PI)		.(ONLY APPLIC	CABLE FOR ENTIT	Y PERMITHOLDERS)
The PI is responsible for providing adequate Title 14, subsection 650(f), CCR. If the Exec of this application, complete the required info	cutive Signatory is not	t the same person a	applying as the	Principal Investigat	or (PI) from Section 2a
SC ID FIRST NAME	M.I. LAST N	AME			DOB (MM/DD/YEAR)
GOVERNMENT-ISSUED IDENTIFICATION (SEL	ECT ONE)	STATE, COUNTR	RY, OR TRIBE O	F ID	ID NUMBER
□ U.S. STATE ID □ PASSPORT □	TRIBAL MEMBER				1

TITLE /POSITION	E-MAIL ADDRESS				
PREFERRED TELEPHONE	ALTERNATE TELEI	PHONE	<u> </u>		
PI PREFERRED MAILING ADDRESS (FOR SCP CORRESPONDENCE)					
CITY		STATE		ZIP COD	E
AFFILIATION'S NAME (if applicable)					
AFFILIATION'S ADDRESS	<u></u>			·	
CITY		STATE		ZIP COE	DF
		OTATE		211 002	
STATEMENT OF QUALIFICATIONS ATTACHED	☐ RESUME	OR CU	RRICULUM VI	TAE ATT	ACHED
REFERENCE 1: FIRST NAME		M.I.	LAST NAME		
TITLE /POSITION	E-MAIL ADDRESS	l.	I		
PREFERRED TELEPHONE	ALTERNATE TELE	PHONE			
AFFILIATION'S NAME (if applicable)					
REFERENCE 2:		M.I.	LAST NAME		-
TITLE /POSITION	E-MAIL ADDRESS				
PREFERRED TELEPHONE	ALTERNATE TELE	PHONE			
AFFILIATION'S NAME (if applicable)			1		
3c. PROPOSED LIST OF AUTHORIZED INDIVIDUALS (LAI) Complete the required information below for each person proposed					IT PERMITHOLDERS) Total No. Authorized
Investigator (PI). Up to eight (8) Authorized Individuals, aside from t					Individuals requested:
(refer to Title 14, subsection 650(j), CCR) and see Section 3d, belongroposed Authorized Individual (refer to Section 3a of this application	w. Attach the Requi	ired Quali	ifications for ea	nch	
Authorized Individuals, skip to Section 4.					
SC ID FIRST NAME M.I. LAST	NAME			DOB (MI	M/DD/YEAR)
The second secon	STATE, COUNTRY (OR TRIBE	OF ID .	ID NUME	BER
U.S. STATE ID PASSPORT TRIBAL MEMBER E-MAIL ADDRESS	PREFERRED TELEĖ	HONE		,	
E-WAIE ADDITION	THE ENNES TELET	TIONE		•	
AFFILIATION'S NAME (if applicable)				:	
STATEMENT OF QUALIFICATIONS ATTACHED	RESUME	OR CU	RRICULUM VI	TAE ATI	ACHED
REFERENCE 1: FIRST NAME		M.I.	LAST NAME		
TITLE /POSITION	E-MAIL ADDRESS	1	1		
PREFERRED TELEPHONE	ALTERNATE TELEP	HONE			
AFFILIATION'S NAME (if applicable)	<u>I</u>				



	FIRST NAME				M.I.	LAST NAME		
☐ REFERENCE 2:								
TITLE /POSITION			E	-MAIL ADDRESS	1	1		
						·		
PREFERRED TELEPHO	NE			ALTERNATE TELEP	HONE			
AFFILIATION'S NAME (I	f applicable)							
<add new="" record=""></add>	Select to provide	e the same	required informatio	n for each person	requeste	d as an Authorize	od Individual	
3d. ADDITIONAL AU	THORIZED IND	IVIDUALS	JUSTIFICATION					· · ·
Eight (8) Authorized I	ndividuals are ir	cluded in t	he permit fees; if a	dditional Authorize	d Individ	uals are required,	then a Specific	Amendment
fee will be assessed								
why the proposed ac							ove to provide t	he same
required information	in Section 3c wh	en more th	an eight persons a	re requested as Au	uthorized	Individuals.		
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							•	
								_
3e. RELATED PERM	ITC							
		aldara and	(or Dringing Investi	igatora or Authoriz	ad Individ	duale not listed		
Are there any collaboration above) with permits							☐ Yes	□ Ńo
FIRST NAME	LAST NAME		SC ID	AFFILIATION NA	ME		PERMIT ID	
								
<add new="" record=""></add>				<u></u>				
<u></u>								
SECTION 4. SPECIFI	C USE PERMIT	INFORMA	TION					
4a. PURPOSE OF PE	RMIT		**			***		
For Section 4, provid	e all details to a ction 4f(10), but	nswer each all informati	question in the follon entered into each	lowing fields. You ch field in subsecti	may pro	vide an attached f must contain su	study proposal fficient detail to	or additional be able to
stand-alone for the e	valuation of the	application.						
For subsection 4a, cl	neck the applica	ble purpose	e(s) and permit use	subcategory(ies)	below for	r this permit per T	itle 14. subsect	tion 650(c).
CCR. For "other" - sp								
☐ Science		☐ Educ	ation			Propagation		
Research		☐ Captu	ire and release and	l/ or display of		Wild (in situ) – re	elocation, reintre	oduction or
Survey/ Inventory	ı	wildlife in	the field (e.g., tide)	pools, school		nslocation		
☐ Monitoring	,		eld demonstrations			Captive (ex situ)		
l			lisplay of releasable	e or non-releasabl	e 🖂	Short-distance m	novement - out	of harm's way
│	_	wildlife in			1 🗆	other (specify -	e a sacrifice o	f non-native
Li other (specify- e.	.g.,		ay of dead salvaged	,	spe	ecies to enhance		
restoration, etc.)		1	 (specify - e.g., b nuseum collection, 	•	spe	ecies, etc.)		
<other -="" field="" text=""></other>	•	<other -<="" td=""><td>Text Field></td><td></td><td><0</td><td>ther - Text Field</td><td>></td><td></td></other>	Text Field>		<0	ther - Text Field	>	
4b. PERMIT INFORM	ATION							
			xplain in detail the t	•	-	-		
			s) of your proposed					
			ned to carry out all i					
1	-		ntal scope with unit ocedures and loca					
1		-	terrestrial wildlife,			•		
<text box=""></text>		cai royo ioi	torroomal Wilding,	session, at one of			11,000000	2011 000(1)(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 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: 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>

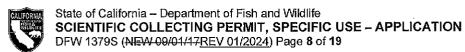
2) Abstract. Provide a summary of the study or planned undertaking that includes the main goals and objectives or research question(s), species or taxonomic group(s), take and analysis methods, and general locations. Additional information, e.g. past findings, benefit or need, or relevant environmental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

<Text Box>



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, SPECIFIC USE – APPLICATION DFW 1379S (NEW-09/04/17/REV 01/2024) Page 7 of 19

	iblic Information Release. Is		•				-			
	ecords Act. However, the Department	•		·			ecutive S	Summ	ary (Title
	d Abstract) available to interes	-								
	Release is mandatory for appli-					uit of bobcat (<i>Lyi</i>	nx rufus)	or be	ar (U	irsus
	anus) with dogs, pursuant to Se your preference for the Depa					live Summan	Т	ı		
l .	e your preference for the Depa Department's website.	a a nent to dis	pray your prefet	red contact informati	on and EXECUI	uve Summary		es		No
	DLIFE TAXONOMIC GROUP	S AND REVI	EW PROGRAM	IS		******		I		
Select	the wildlife taxonomic group(s) that will be t	targeted for acti	vity(ies) during the co	ourse of the pro	oposed study or	olanned	under	takin	g g
(subse	ction 4f(1a) below), and those	that could be	e possible non-ta	argeted (incidental) b	y-catch (subse	ection 4f(1b) belo	w). The	select	ed	-
	s) will determine which Depart estrial Wildlife	ment review	program(s) the a Inland Fisi							
	_					larine	<u> </u>			
	Terrestrial and Vernal Pool	•		Aquatic Invertebrate		☐ Marine Fishe	_			
l	ertebrates*		│	Non-Anadromous Fi	sh	☐ Marine/Tidal	Inverteb	rates		
l	Amphibians		☐ Anadro	omous Fish (inland w	aters)	☐ Marine Algae	and Pla	ants		
	Reptiles									
	Mammals									
	Birds									
	rial Invertebrates: Refer to Titl								al	
	d) take and/or possession of to						rtebrate	s of		
	vation Priority listList (dated Ju			itle 14, subsection (<u>550(a)(9),</u> avai	iable at		-		
	vww.wildlife.ca.gov/Licensing/S QUESTED ACTIVITIES	saentilic-Col	ເອບແກ່ຢູ່).							
	llife Groups and Species:									
<u> </u>	<u> </u>					•				
_	argeted Wildlife	4 4la a ···	- al & a.u 4 1	dan automoni 0		laval etter : 0		!	.1 .11.	
1	Add New Record" below, selected lowest level(s) of taxonomic									
	ed lowest level(s) of taxonomic mic level(s).	o group(s) iro	ян ине агор сом	mais. Frovide (118-10	MIONING INIONIC	audii joi each fe	quested	speci	es, d	HG/OI
	es or Taxonomic Level	0	1		,,,					
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b) N	on-Target Wildlife (Incidenta	l By-catch):								
I .	Add New Record" below, selec	•		= =	•	-	nown, se	elect t	he	
propos	ed lowest level(s) of taxonomi		•	· · · · · · · · · · · · · · · · · · ·	_					
•	The quantities expected to be		-	•	•					
•	Describe what measures wi	, ,			•	•	_	-		
	the incidental capture (by-ca during handling (e.g., person	•	_	•		-				
	duration, etc.)	merale Hall	·	on and supervision,	alociminani Ce	aptare metrious, i	anding	PIOCE	ruui 6	J allu
Specie	s or Taxonomic Level	Species or	I evel	T		T	,-			
(Scient	tific Name) (e.g., Order, Family,	(Common I		Status	Quantities	Measures Mini	mizing H	larm o	of Wi	dlife
Genus,	etc.)	``.			1					
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	alal Marie Da a and S	l Sp		I vid Opoulos-		<u> </u>				
	dd New Record >									
c) R	Review of Species Informatio		named as as	and in this are its all	n an are Arethur	المسادات المساد	0110 ==	muss -1		
1	i acknowledge that I, and any have reviewed, the Departme	•								
	Species Act (CESA) Candidat									
	species and California Specie									
	planned activity(ies). I/ we am	-				,	·-			_
	methods and locations author	ized by this r	ermit may resul	It in take of CESAJis	ted_CESA-Ca	ndidate, or Fully	Protecte	d sne	eein	Lwill



	ropriate review program a ection 2081(a), and/or Title			orandum (of Understandir	g (MOU), į	oursua	nt to Fis	sh and	
	d/or Possession Activiti									
	d" below, select the propo									
information per the red Activity:	quested specific species o	r taxonomic level(s).	Additional	Details ma	ay be provided	o clarify ar	nd just	ify the re	∍quested	
Activity	Disposition	Species or Taxonor	mic Level	Quantitie	es Detai	S		•		
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3) Proposed Take Me										
	d" below, select the propo							sed met	hod used f	o
	ake the requested specific		ic level(s),	and includ	le the following	informatior	1:			
	season start and end da	te;								
	y of sampling; s by life stage/age and se	v of wildlife to be tak	on and/or r	accaccad	by that mathac	(if unknow	ın calı	act "N" s	and evalui	,
-	s by me stage/age and se s" why it is unknown); and		en and/or p	waacaacu	by tratmetriot	(II WINION	/II, SCI	501 0 6	iila expiaii	'
	of the methodology unde									
-	ocols to be followed, as w	,	details of e	quipment	to be used (e.g	, net mesh	size,	whethe	r traps are	
	ed or not, number of pass									
	t measures will be employ									
	life in deploying equipmen					onnel are tr	ained	in ident	itication ar	ıd
sup	ervision, discriminant capt	ture methods, nandiir Sampling Season		res and du g Season	Sampling					
Take Method	Species or Taxonomic Level	Start Date	End Dat		Frequency	Quanti	ies	Details	3	
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4) Proposed Procedu	ıres:		4							
	udy require procedures to							Yes	☐ No	
	Record" below, select the	procedure from the	drop down	list, and p	rovide the follow	ving inform	ation	per the	requested	
specific species, or tax	konomic level(s): is by life stage/age and se		aa braaadu		drina lifunkasu	n aalaat "()" and	ovolojo	under	
	s by lile stage/age and se it is unknown);	ex of whalle to under	go procedu	ies oi illai	King (ii diiknow	II, Select	aliu	evhiaiii	under	
•	of the procedure under "	Details":								
	ocols to be followed, as w		pecific equi	pment, ma	anner of conduc	ting proce	dure, t	ype of n	narking an	d
plac	ement on body, amount o	of sample collected, e	etc.); and							
	t measures will be emplo			or death o	of wildlife, and	describe h	ow you	ı will mi	nimize risk	to
	life's well-being during pro			1.	.					
Procedure 	Species or Taxon	omic Level opdown List>	Quantities <nume< td=""><td></td><td>Details</td><td><text< td=""><td>Box></td><td></td><td></td><td></td></text<></td></nume<>		Details	<text< td=""><td>Box></td><td></td><td></td><td></td></text<>	Box>			
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5) Sacrifice of Wildli										
· ·	udy result in the death or	romoval of target or r	on taracti	vildlifa fra	n the wild?			Yes	□ No	
	Record" below, and provi	_	_			onion or t				
	es by life stage/age, sex, a									it
is unknown);		and geographic area	to be sacin	ioca (ii arii	MIOWII, SCICCE	o una expi	um um	aci be	tono wily	•
• • • • • • • • • • • • • • • • • • • •	of the sacrifice under "De	etails":								
	tify the maximum number		ould be kille	d or remo	ved from the w	id;				
o Des	cribe means for which wi	ldlife is sacrificed or h	numanely e	uthanized	; and					
	cribe your attempts to ob									
	er Permitholders), or prod				conclusively tha	t existing s	pecim	ens are	unavailabi	e,



Species

Quantities

Life Stage

Sex

Details

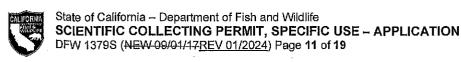
State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, SPECIFIC USE – APPLICATION

DFW 137	79S (NEW 09/01/17 <u>RE</u>)	<u>√ 01/2024</u>) Page 9	of 19						
Taxonomic Leve	el or Species C	Quantities	Life Sta	ge	Sex		Details		
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6) Captivity of	Wildlife:						•		
	vildlife be removed fro erred into possession			captivity ("ex situ"), o	r will live w	rildlife	☐ Yes	□ No
If yes, click "Add	New Record," select th	ne Captivity Type f	rom the dro	op down list	below, and p	rovide the f	ollowing inf	ormation:	
 Attach feasibil The qu For each O O 	under Section 4f(10) arity analyses, grant concantities by life stage/agch species you plan on Justify the maximum area(s) where wildlife The specific need and Location where indiving The duration individual Wildlife Only: Consistent with Title shall be included for a Provide a detailed outlive wildlife are necess this need. Give a complete descolimatic conditions, and enclosures with the left flooring and netting in Describe the diet for animals will obtain fred Describe the transpot the species and num vibration, temperature.	ny related docume ditions, etc.), or rele, sex (if unknown holding in captivity number of individuals are proposed to be depended and swill be held in a state of your programment of the holding accessibility to ength, width and heaterials, and the seach species inclues drinking or bat recontainers for the extremes, or elegant with the seach species inclues the desired accession of the holding accessibility to ength, width and heaterials, and the seach species inclues drinking or bat recontainers for the extremes, or elegant in the seach species in the extremes, or elegant in the seach species in the extremes, or elegant in the seach species in the seac	nts pertaini evant envir , select "0" r, provide s uals that wo be removed roposed rei ired from; a captivity. O(c), CCR, is: describe am, or attac am, includir ing area an other wildli eight of eac species and ding the fo hing water e animals, nsported in vation char	ng to captivitionmental do and explain pecifics of the buld be remoted from the with moval and/ound elements of the education brochures and how they ad/or holding fie, domestic ch, description of source at (specific devincluding direach, and anges during the source at the education of source at the education of source at the education of source at the education of source at the education of source at the education of source at the education of source at the education of source at the education of source at the education of the	ty and/or cap becuments or under "Deta ne captivity s oved from the ld; r captivity; conservation onal messag s, or other m will be used a facilities. Sp animals, or on of interior at are to be a nd how the ovices/types to mensions (le any methods transport.	otive breedir plans (Secti ils" why it is etting under wild and/or n, biology, a e that will be aterials prep and display becify if indivate to the public and exterior noused in ea liet will be are be be used). ngth, width, to minimize	ng activities on 5 of this unknown); "Details." held in car held in car delivered a delivered a during the construction. It can height; harm or ministered	gy of Californand to what a stribution. Expresentation held indoors notographs of con materials, and materials ortality from stributy from str	nia wildlife audience. cplain why on to meet or outdoors, r diagrams o such as ow the als. Indicate sustained
0 0	Describe all special e enriching elements/d. Attach details, protoc disinfection and wast Describe all personne work. If individuals are to be different from the tem Describe how you will only be authorized we conservation or reconducational purpose.	evices to be added tools, or standard of the disposal, and are el responsible for p the held in permane apporary holding fact the prevent success then specifically re- tivery effort, and/or	d to the cago perating pro- nimal health providing do nt captivity, cilities for e- ful reprodu- quested, ar for justified	ges to help a cocedures that assessment ay-to-day catholic the ducation or rection from or and only as an ascientific purious to the control of the country as an ascientific purious control only as an ascientific purious control only as an ascientific purious control only as an ascientific purious control only as an ascientific purious control only as an ascientific purious control only as an ascientific purious control only as an ascientific purious control on the c	inimals relieved to describe conts. The for captive equantities research proceduring. Capproved by the control of the control	ve stress and aptive holding wildlife, and of individual grams. On the Department of	d move about a district and their qualities, and pernang (see secont as part	out and exerce including bid lifications to a nanent holding tion below) of a concerter	ise. psecurity, conduct such g facilities, if f wildlife may
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Do you intend t	o sacrifice wildlife at the	e conclusion of the	proposed	study or pro	gram?			☐ Yes	□ No
If yes, click "Add	d New Record" below, a	and provide the fol	lowing info	rmation:				<u></u>	*
sacrific	uantities of each species ced; and pecifics of euthanasia m				ct "0" and ex	ola <u>i</u> n under '	'Details" wh	ny it is unkno	wn) to be

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Do you intend to captive breed the	requested wildli	fe?			☐ Yes	☐ No
If yes, click "Add New Record" bel-	ow, and provide t	he following info	rmation:			
captively bred; and • For each species you pla o List any publishe o Describe the nu	n on captive bree ed references for mber of offspring	eding, provide the successful capti expected to be p	e specifics under "Det ve breeding of the spe produced, and the inte		/ it is unknov	/n) to be
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Species	Quantities	Life Stage	Sex	Details		
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Do you intend to release organism	ns (or their offspri	ing) back into the	wild, if captively bred	I, or for other reasons?	Yes	☐ No
If yes, click "Add New Record" bel	ow, provide the fo	ollowing informat	ion:			
Description of hedescribe why the describe why the Explain why it is Describe how you biosecurity mea Explain the planenvironment after Are the species If individuals had What other species held at Provide Explain facility Marine Only: Does any portion Terrestrial Wildlife Only: Attach additionals Be advised, the	n on releasing backing linally captured (colding facility, and at time period was in the best interest will minimize introduced for release back in proposed for release back in proposed for release are held in the facility, addrest edetails about when how staff and standing practices in of the facility us all protocols or standing and/or tested, as	ack to the wild, pit applicable), the displicable), the displicable, the disk of the State at isk of disease train and cleaning production of pathon to the wild. The with food, please held in flowwith food, please the following: the total are trained at controls are includents are trained at controls are includents are trained at controls are includents are trained at a person of the wild and the same trained at a person of the wild and the wild are trained at a person of the wild and the wild and the wild and the wild are trained at a person of the wild and the wild are trained at a person of the wild and the wild are trained at a person of the wild are trained at a pe	e location of the propoduals will be held alive and for the species, to insmission during tem rocedures, waste dispigens (virus, fungus, but through water or a clee describe the food an intaining the species proposed regarding the poter eawater? If so, how is procedures, if applications approached the poter correspondence from a	sed release site, and locati e in captivity before being re- return the organisms to the porary captivity (i.e., includ- losal, health assessments); acteria, and parasite) into t	eleased into wild; ing but not li and he ecosyster amed? are any non-r natives. cies introduc	the wild, and mited to, m or native ctions and dividuals have
o If fish are propo		to a different ger	neral location (finer sc	ale), will you obtain approv	al from the D	epartment's
Fish Health Lab	r Quantities	Life Stage	Sex	Details		
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b) Will live wildlife be relocat	ed, translocated	I, or reintroduce	ed ("in situ")?		☐ Yes	□ No
If yes, for each species intended to captivity, click "Add New Record" wild: • Attach under Section 4f(plans (Section 5 of this a	o be retained or obelow, provide the 10) any related dopplication).	confined in a field e following inforn ocuments pertain	I setting, relocated, or nation per species rec sing to translocation a		d, or reintrod ranslocated mental docu	within the

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=""></filtered>	<numeric></numeric>	<dropdown List></dropdown 	<dropdown List></dropdown 	<text box=""></text>
48 dd N 5				

<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=""></filtered>	<dropdown List></dropdown 	<dropdown List></dropdown 	<dropdown List></dropdown 	<dropdown List></dropdown 	<filtered dropdown="" list=""></filtered>	<text box=""></text>

<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=""></dropdown>

<Add New Record >

8) Disposition Location of Wildlife Specimens and/or Parts

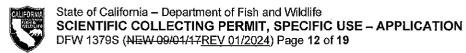
For each Proposed Disposition Location, click "Add New Record" below, and enter the Name and address of the public, scientific of educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited.

Location Type	Name	Street Address	City	State	Zip.
<dropdown list=""></dropdown>		·			

<Add New Record >

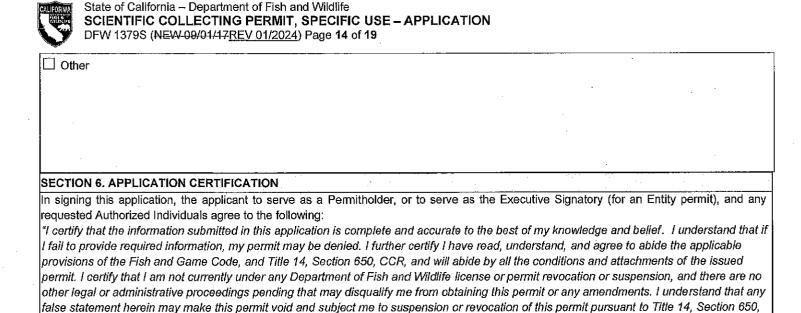
9) Role of Proposed Authorized Individuals

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
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10) Attach Additional	Supporting Documents	3	
			mits or applications for such permits, or study proposal in sted in this application), click "Upload Attachment."

SECTION 5. OTHER PERMITS AND ENVIRONMENTAL DOCUMENTS	S ,					
5a. FEDERAL PERMITS						
Do you currently hold/ are named on, have applied for, or will apply for a	federal pe	ermit pertinent to your requested activities?	☐ Yes			
Select all that apply, and attach copies of permits, or applications.		•	□ No			
☐ Federal Endangered Species Act 10(a)(1)(A) Native Endangered an Threatened Species Recovery Permit – U.S. Fish and Wildlife Service		☐ Bird Banding Permit – U.S. Geological Survey				
Permit No(s):	l.	Permit No(s):				
Federal Endangered Species Act 10(a)(1)(A) Scientific Research Pe National Oceanic and Atmospheric Administration, Fisheries (NMFS)	ermit –	☐ Migratory Bird Permit – U.S. Fish and Wildlife Service				
Permit No(s):]	Permit No(s):				
☐ Federal Endangered Species Act 4(d) rule – Research		Other (e.g., National Parks Service, Nation	nal Marine			
Permit No(s):		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 Select all that apply, and attach copies of permits or applications.	y for a stat	e permit pertinent to your requested activities	Yes			
California Endangered Species Act and/or Fully Protected Species Research MOU(s) – Department	Commo	n name(s) (<i>Scientific name</i>)				
Permit or MOU Names or No.(s):						
☐ Scientific Research and Collecting Permits – CA State Parks		☐ Other (e.g., California Dept. of Food and Agriculture) Type and Permit No.(s):				
Permit No(s):						
5c. RELEVANT ENVIRONMENTAL DOCUMENTS Are you proposing to conduct activities to meet requirements of an environmental compliance required by law? Select all that may apply, a applicable.			☐ Yes			
	☐ Federal Commissi	I Hydropower Licensing (Federal Energy Regution)	ılatory			
Renewable Energy (i.e., wind, solar, etc.)	□ Californ	nia Environmental Quality Act				
□ National Environmental Policy Act □ Fish Restoration Grants Program						
☐ Natural Community Conservation Plan	Lake ar	nd Streambed Alteration Agreement				
		Operations (U.S. Bureau of Reclamation, Calit sources, Interagency Ecological Program, etc				

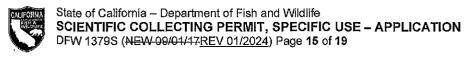


persons working under this permit will be adequately supervised, and comply with the requirements noted above."

APPLICANT SIGNATURE

X

CCR, and to the criminal penalties set forth in Fish and Game Code Section 12002. I further understand I am responsible for ensuring all



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.

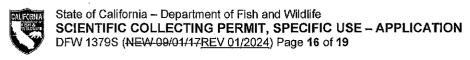
2a Entity – An "Entity Permit" may be issued to an eligible entity in the name of the entity as the Permitholder. The Entity is the Permitholder, while the Executive Signatory is the principal officer or responsible party for the permit, and who designates a Principal Investigator. The Executive Signatory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

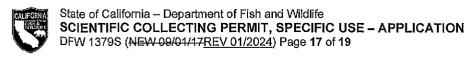
- 1) Permit Scope, Goals, and Objectives. In detail, explain the fundamental scope of the proposed study or planned undertaking. This includes relating the purpose(s) of your proposed study or planned undertaking to any research questions and/or hypotheses, goal(s) and objective(s) designed to carry 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 Captivitycaptivity.

- 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 rangewide 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 of 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.

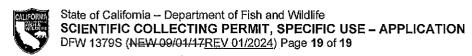
PAYMENT POLICY

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.

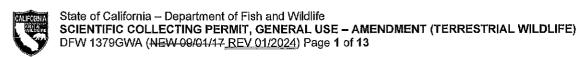
**Credit Cards – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting.

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



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 <a href="mailto:licenses/licens



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 REQU	JEST			1 - 1 - 1		N 2 18		<u> </u>
Permit ID to Amend								
Amendment Summary: Select the	accion(s) of the normit this areas	adment applies to:						
_								
LI Change Principal Investigaor (The Executive Signatory requests Authorizations.					OR STUDE la, a chang			
☐ Amend the List of Authorized I	ndividuals (complete Section 3c	of this form).		(N/A	FOR STU	DENT PE	ERMITHO	LDERS)
☐ Add New Authorization(s)				•				
Add New Authorization W1 - W6	complete Section 4c of this for	m) (select all that	W1	W2	W3	W4	W5	W6
apply). 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.								
Indicate if the request to add new			rmit Infor	nation -	(select all	that app	ly):	
Purpose of Permit (Section 4a):	☐ Amend ☐ No Changes	Justification of Us	e (Sectio	n.4b):	☐ Amen	d [No Cha	anges
☐ Amend List of Authorized Indiv	riduals per Authorization	•		(N/A	FOR STU	DENT PE	RMITHO	LDERS)
Amend the List of Authorized Inc	dividuals for existing or new Autho	rization(s) W1 –	W1	W2	W3	W4	W5	W6
	s form) (select all that apply). Up t tion 3c may be assigned to an Au							
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 thre	e percent (3%) application fee, no	t to exceed \$7.50 p	er item (S	ection 7	700.4, Title	14, CCF	₹).	
,		I	ndividual	or Enti	ty	5	Student	
Amendment Fee (nonrefundable	and submitted with amendment a	pplication)	\$61	.04			\$25,00	
SECTION 3 OHALIEICATIONS A	ND PROPOSED LIST OF AUTHO	ORIZED ÜNDIVIDLI	N S		•			

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)

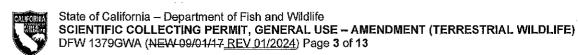
(ONLY APPLICABLE FOR ENTITY PERMITHOLDERS)

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.



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW-09/01/17_REV 01/2024) Page 2 of 13

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d. RELATED PERMI	TS					
	ators, or other persons or entities not listed above) with permits relation		-	_	☐ Yes	□ No
FIRST NAME	LAST NAME	AFFILIATION NAM	ИE		PERMIT ID	
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State of California - Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE - AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW 09/01/17 REV 01/2024) Page 4 of 13

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 HistList (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" -Ispecify in blank below another activity that does not clearly fit into one of these categories.

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

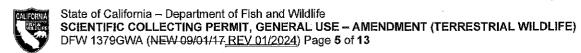
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Review of Species Information

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 PL 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.

	Vernal Pool Invertebrates	

Terrestrial and vernal pool invertebrates may be taken in 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<u>List</u> (dated June 42, 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 listList 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		
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W1 Measures Minimizing Harm	of Wildlife:			



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW-09/04/47 REV 01/2024) Page 6 of 13

	/47 <u>REV 01/2024</u>) Page 6 of 13	
incidental capture (by-catch) of non- handling and/or procedures (e.g., pe and duration, etc.).	target wildlife and special status spe	death of all captured wildlife, including how you will avoid the cies, and describe how you will minimize risk to wildlife during and supervision, discriminant capture methods, handling procedures
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		119.40
☐ Amphibians (W2)		
Adult and larval amphibians m	ay be taken in accordance witl	n the restrictions below.
	encountered during field activities n	sured, marked, and released. Non-native amphibians from the Orders hay be captured and sacrificed. Amphibians incidentally killed during
Prohibited Wildlife: The follow immediately released without fu		e stages shall not be targeted, and if incidentally captured shall be
-	Species of Special Concern.	ate-designated Candidate, and Fully Protected amphibans.
Methods and Equipment: Amp invasive methods (i.e., non-toxic		nd dip net. Amphibians may be marked using standard non-toxic, non-
•	ens shall be deposited in a public sci	bited amphibians – unlimited. Sacrifice of non-native amphibians – entific or educational institution, zoological park, museum or scientific
Locations: Throughout Californ	nia.	
Additional conditions for amphibissuance.	plans may be specified as Condi	tions of your Terrestrial Wildlife General Use Permit at time of
W2 Proposed Authorized Individu	als:	
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W2 Measures Minimizing Harm of	Wildlife:	
incidental capture (by-catch) of non-	target wildlife and special status spe	r death of all captured wildlife, including how you will avoid the cies, and describe how you will minimize risk to wildlife during handling rvision, discriminant capture methods, handling procedures and
* DOTE 100 TO 27		

☐ 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.



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW-09/01/17_REV 01/2024) Page 7 of 13

- 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 Individ	luals:	
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W3 Measures Minimizing Harm o	of Wildlife:	
incidental capture (by-catch) of no	n-target wildlife and special status spec	death of all captured wildlife, including how you will avoid the cles, and describe how you will minimize risk to wildlife during handling vision, discriminant capture methods, handling procedures and
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🔲 Mamma	ls ((W4)
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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				



State of California – Department of Fish and Wildlife
SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE)
DFW 1379GWA (NEW-09/01/17_REV 01/2024) Page 8 of 13

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W4 Measures Minimizing Harm o	of Wildlife:		
incidental capture (by-catch) of nor and/or procedures (e.g., personnel duration, etc.).	n-target wildlife and special status sp	or death of all captured wildlife, including hecies, and describe how you will minimize ervision, discriminant capture methods, har	risk to wildlife during handling
<text box=""></text>			

☐ 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 approvednumbered 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.

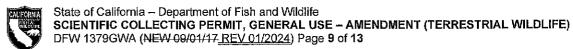
Locations: Throughout California.

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

W5 Proposed Authorized Individ	luais:				
SC ID	FIRST NAME	LAST NAME			
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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.).



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TOAL DOAP		
		•
		·
Terrestrial Wildlife Salvage	(W6)	
Dead terrestrial wildlife may b	e taken in accordance with the i	restrictions below.
all Authorized Individuals name	ed or covered under this Authorization onservation education purposes. Dead	, reptiles, mammals, birds, and their parts, that the Permitholder and had no part in the killing or death thereof may be salvaged from the dispecimens that are unsuitable for donation shall be left at the site or
State-listed Threatened and E	ndangered, State-designated Candida	e salvaged without additional written instruction from the department ate, or Fully Protected species, mountain lions, big game (bear, elk, bird eggs (including viable or unviable eggs and abandoned nests).
Limit: Unlimited non-Prohibite	d Wildlife.	
	d specimens shall be deposited in a p hin three months of acquisition.	public scientific or educational institution, zoological park, museum or
Locations: Throughout Califor	nia. excluding at renewable energy fac	cilities, when part of mortality monitoring activities.
-		your Terrestrial Wildlife General Use permit at time of issuance.
W6 Proposed Authorized Individ	uals:	
SC ID	FIRST NAME	LAST NAME
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<add new="" record=""></add>	1	
W6 Measures to Minimizing Harn	of Wildlife:	
		other wildlife during your salvage activities, including how you will
avoid the incidental possession of	non-target wildlife and special status s	pecies. List the name(s) and address(es) of the public, scientific of
	ll wildlife specimens and/or parts there	of will be transferred, if known.
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State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW-09/01/17_REV 01/2024) Page 10 of 13

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 ap	opilications.			
☐ Federal Endangered Species Act 10(a)(1)(A) Native Endangered and Threatened Species Recovery Permit – U.S. Fish and Wildlife Service	☐ Bird Banding Permit – U.S. Geological Survey			
Permit No(s):	Permit No(s):			
☐ Federal Endangered Species Act 10(a)(1)(A) Scientific Research Perm National Oceanic and Atmospheric Administration, Fisheries (NMFS)	nit –			
Permit No(s):	Permit No(s):			
Federal Endangered Species Act 4(d) rule – Research	☐ Other (e.g., National Parks Service, National Marine Sanctuaries, Bureau of Land Management, National Wildlife			
Permit No(s):	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	or a state permit pertinent to your requested take			
activities? Select all that apply to this amendment, and attach copies of pe				
California Endangered Species Act and/or Fully Protected Species Research MOU(s) — Department Permit or MOU Names or No.(s):	Common name(s) (Scientific name)			
Scientific Research and Collecting Permits – CA State Parks	☐ Other (e.g., California Dept. of Food and Agriculture)			
Permit No(s):				
5c. RELEVANT ENVIRONMENTAL DOCUMENTS Are you proposing to conduct activities to meet requirements of an environmental compliance required by law? Select all that may apply to the document(s). Federal – Federal Endangered Species Act Section 7	100			
	ommission)			
Renewable Energy (i.e., wind, solar, etc.)	California Environmental Quality Act			
□ National Environmental Policy Act □	Fish Restoration Grants Program			
□ Natural Community Conservation Plan □	Lake and Streambed Alteration Agreement			
	Water Operations (U.S. Bureau of Reclamation, California Dept. of later Resources, Interagency Ecological Program, etc.)			
☐ Other				



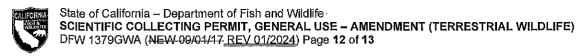
State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, GENERAL USE – AMENDMENT (TERRESTRIAL WILDLIFE) DFW 1379GWA (NEW-09/01/17-REV_01/2024) Page 11 of 13

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."

working under this permit will be adequately supervised, and comply with the requirements noted above.	
APPLICANT SIGNATURE	DATE
lx	



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(I), 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 ofyour 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 <u>not</u> 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 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 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.

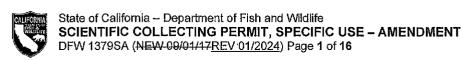
**Credit Cards – Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard by completing a Credit Card Authorization Form (DFW 1443). The form is available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting.

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 <a href="mailto:licenses/licens



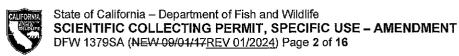
IMPORTANT: Read Title 14, Section 650, California Code of Regulations (CCR), as well as all instructions (last section of this form), permit descriptions, and all Standard Conditions for Scientific Collecting Permits (SCP), available at https://www.wildlife.ca.gov/Licensing/Scientific-Collecting. Complete 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	ent applies to)		
☐ Change Principal Investigator (complete Section 3b of this form).		OR INDIVIDUAL AND STUDE	
PERMITHOLDERS) The Executive Signatory requests a PI, who must m	•		
Amend the List of Authorized Individuals (complete Section 3c of the			T PERMITHOLDERS)
☐ Amend Specific Use Permit Information (select all that apply)		· ·	
☐ Amend Study Purpose (Section 4a)	☐ Amend :	Study Information (Section 4b)	
☐ Amend Background and Past Findings (Section 4c)	☐ Amend I	Executive Summary (Section 4	łd)
☐ Amend Wildlife Taxonomic Groups and Review (Section 4e)	☐ Amend	Targeted / Non-Targeted WildI	ife (Section 4f-1)
Amend Take and/or Possession Activity (Section 4f-2)	☐ Amend	Take Methods (Section 4f-3)	
☐ Amend Procedures (Section 4f-4)	☐ Amend	Sacrifice Of Wildlife (Section 4	f-5)
☐ Amend Captivity Of Wildlife (Section 4f-6)	Amend	Geographic Locations and Des	scription (Section 4f-7)
☐ Amend Disposition Location (Section 4f-8)		Authorized Individuals Study R	· · · · · · · · · · · · · · · · · · ·
Permitholder or Authorized Individual on other permits, pursuant to Title 1 Amendment Fees: Fees exclude a nonrefundable three percent (3%) application fee, not to e			L CCR)
, 220 0.000.00 0.00.00.00.00.00 0.00.00 (2.0) upp. 20.00.00.00.00	110000	Individual or Entity	Student
Amendment Fee (nonrefundable and submitted with amendment applications)	ation)	\$89.28	\$25.00
			e san su la la la la la la la la la la la la la
SECTION 3. QUALIFICATIONS AND PROPOSED LIST OF AUTHORIZE	ED INDIVIDUA	(L5)	
3a. Required Qualifications The following information is required for all persons requested in the appli of the permitted activities, or be named on the permit as an Authorized Inc.	dividual (refer t	o Title 14, subsection 650(h) 0	CCR):
1. Statement of Qualifications (SOQ): A statement of qualifications that similar wildlife. The statement of qualifications shall include approxima the approximate number of hours conducting the proposed activities, or wildlife taxonomic group, or similar wildlife taxon, locations and dates e training, any relevant survey, or hands-on training, or experience, and 650(b)(19) are met;	te number of he apture methods xperience was	ours of focused activity in occu s, and procedures for each req obtained, and the name(s) of	upied habitat, as well as uested wildlife species, persons who provided
Resume or curriculum vitae: A resume or curriculum vitae that descri including a list of any relevant publications; and	bes the educat	tional background and wildlife-	related experience,
3. References: Except for Student Permitholders, current contact informal Permitholders or experts) who can verify the applicant's experience wit possession of mountain lion (<i>Puma concolor</i>), two letters of recommendations and Section 4810 of the Fish and Game Code.	h requested wil	ldlife. For new applicants requ	uesting take and/or

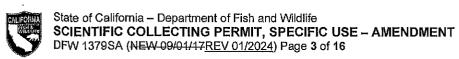
3b. Principal Investigator (PI)

(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 NA	ME				DOB (MM/DD/YEAR)
GOVERNMENT-ISSUE	 ED IDENTIFICATION (S	SELECT ONE)		STATE, COUNTRY	OR TRIB	E OF ID		ID NUMBER
U.S. STATE ID	☐ PASSPORT	☐ TRIBAL ME	MBER					
TITLE /POSITION		<u></u>		E-MAIL ADDRESS	1			
PREFERRED TELEPH	ONE			ALTERNATE TELE	PHONE			
PI PREFERRED MAILI	NG ADDRESS (FOR S	CP CORRESPON	IDENCE)					
CITY					STATE		ZIP COD	E
AFFILIATION'S NAME	(if applicable)				1			
AFFILIATION'S ADDRE	SS							
CITY					STATE		ZIP COE	DE
☐ STATEMENT OF	QUALIFICATIONS	ATTACHED		☐ RESUME	OR CU	RRICULUM VI	TAE ATT	ACHED
REFERENCE 1:	FIRST NAME			,	M.I.	LAST NAME	·	
TITLE /POSITION				E-MAIL ADDRESS	1	L		
PREFERRED TELEPH	ONE			ALTERNATE TELE	PHONE			
AFFILIATION'S NAME	(if applicable)							
☐ REFERENCE 2:	FIRST NAME				M.I.	LAST NAME		
TITLE /POSITION				E-MAIL ADDRESS				pygan
PREFERRED TELEPH	IONE			ALTERNATE TELE	PHONE			
AFFILIATION'S NAME	(if applicable)	•						
<u></u>	·							
3c. PROPOSED LIS								T PERMITHOLDERS)
Complete the require Investigator (PI). Up								Total No. Authorized Individuals requested:
fees (refer to Title 14							L	
a Specific Amendme								
3a of this application	FIRST NAME	M.I.		NAME	maivioua			//DD/YEAR)
				.				
GOVERNMENT-ISSUE	T	T		STATE, COUNTRY	OR TRIBE	OF ID	ID NUME	SER
LJ U.S. STATE ID E-MAIL ADDRESS	L PASSPORT	∐ TRIBAL ME		PREFERRED TELEF	PHONE			
AFFILIATION'S NAME (if applicable)								
☐ STATEMENT OF	QUALIFICATIONS	ATTACHED		☐ RESUMI	OR CU	RRICULUM VI	TAE ATT	ACHED
☐ REFERENCE 1:	FIRST NAME				M.I.	LAST NAME		
TITLE /POSITION	•			E-MAIL ADDRESS				



Comparison Com	PREFERRED TELEPHONE	ALTERNATE TELEPHONE				
REFERENCE 2:	AFFILIATION'S NAME (if applic	able)				
REFERENCE 2:	FIRST	NAME		M I LAST NAME		
ALTERNATE TELEPHONE ALTERNATE	REFERENCE 2:				:	
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 (i8) 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 6500) and 703(c), CCR, Provide justification below of why the proposed activities would need more than eight (i) Authorized Individuals approved with your original permit. Citick *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** 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. First NAME	TITLE /POSITION		E-MAIL ADDRESS	3		
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 (i8) 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 6500) and 703(c), CCR, Provide justification below of why the proposed activities would need more than eight (i) Authorized Individuals approved with your original permit. Citick *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** 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. First NAME	PREFERRED TELEPHONE		ALTERNATE TELI	EPHONE		
Add New Rocord> Select to provide the same required information for each person requested as an Authorized Individual 3d. ADDITONAL 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 Annehment fee will be assessed as specified in Title 14, subsections 650(f) 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. 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. 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(les) below for this amendment per Title 14, subsection (So(c), CCR. For fother* - specify in blank below any other activity that does not clearly fit into one of these categories. Science						
Bight (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 of the *And New Record* above to provide the same required information in Section 3c when more than eight persons are requested as Authorized Individuals. **Text Box** 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 Ibs. FIRST NAME	AFFILIATION'S NAME (if applic	able)	,	<u>:</u>		
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(f) 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	<add new="" record=""> Select</add>	to provide the same require	ed information for each perso	on requested as an Authorize	ed Individual	
Specific Amendment fee will be assessed as specified in Title 14, subsections 650(i) 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** **Text Box** **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. **FIRST NAME** **LAST 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 application of the application of the application of the application of the application of the application of the specified in blank below any other activity that does not clearly fit into one of these categories. **Science** **General Science**	3d. ADDITIONAL AUTHORI	ZED INDIVIDUALS JUSTII	FICATION		***	
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above) with permits related to the work planned with this permit or amendment? If yes, provide their names and Permit IDs. FIRST NAME	3e. RELATED PERMITS					
FIRST NAME LAST NAME SC ID AFFILIATION NAME PERMIT ID 	above) with permits related				☐ Yes ☐ No	
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. Science Education Capture and release and/ or display of wild (in situ) - relocation, reintroduction or translocation groups, field demonstrations, etc.) Monitoring		NAME SCID	AFFILIATION	NAME	PERMIT ID	
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. Science Bucation Capture and release and/ or display of wild (in situ) - relocation, reintroduction or translocation groups, field demonstrations, etc.) Monitoring						
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Science □ Education □ Propagation □ Research □ Capture and release and/ or display of wildlife in the field (e.g., tidepools, school groups, field demonstrations, etc.) □ Wild (in situ) – relocation, reintroduction or translocation □ Monitoring □ Live display of releasable or non releasable □ Captive (ex situ)						
□ Survey/ Inventory wildlife in the field (e.g., tidepools, school groups, field demonstrations, etc.) □ Captive (ex situ)			*			
groups, field demonstrations, etc.) Monitoring Groups, field demonstrations, etc.) Captive (ex situ)	Research		· •	☐ Wild (in situ) – relocation	on, reintroduction or	
Monitoring This display of relegable or per relegable This display of relegable	☐ Survey/ Inventory			translocation		
: 🗀 619 0100101 011010000010 011101110100000010 1 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	☐ Monitoring		•	I '		
Museum Collection wildlife in captivity	☐ Museum Collection	1	Cacable of Hell-leleasable	l <u> </u>	•	
other (specify – e.g., sacrifice of non-native species	other (specify- e.g.,	_	alvaged specimens			
restoration, etc.) to enhance sustainability of native species, etc.)	restoration, etc.)			to enhance sustainability of	л пашve species, etc.)	
service, museum collection, etc.)	Othon Toyd Elistic	· · · · · · · · · · · · · · · · · · ·		COthon Tout Flick		
<other -="" field="" text=""></other>				Nother - Text Field>		

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).

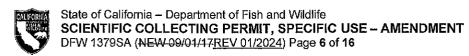
<Text Box>

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.



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, SPECIFIC USE – AMENDMENT DFW 1379SA (NEW-09/01/17REV 01/2024) Page 5 of 16

<text box=""></text>						- -		
3) Public Information Releas	e Issued SCPs :	are public record	Is nursuant to Title '	4 subsectio	n 650(k)	CCR and throu	iah the	Public
Records Act. However, the I		•	•				-	
and Abstract) available to in						,,	<i>-</i>	(1140
Note: Release is mandatory for						obcat (<i>Lynx rufu</i>	s) or be	ear (<i>Ursus</i>
americanus) with dogs, pursuant							•	•
Indicate your preference for the	Department to dis	splay your prefer	red contact informat	ion and ame	nded Exe	cutive	Yes	
Summary on the Department's w	/ebsite.		-			ا ا	Yes	│
4e. AMENDED WILDLIFE TAXO	NOMIC GROUPS	3						•
Select the wildlife taxonomic gro	up(s) that will be	targeted for acti	vity(ies) during the co	ourse of the	amended	study or planne	d unde	rtaking
(subsection 4f(1a) below), and the							e selec	cted
group(s) will determine which De	partment review					approval.		
Terrestrial Wildlife		Inland Fisl	heries		Marine			
☐Terrestrial and Vernal Poo	ol	☐ Inland	Aquatic Invertebrate	s	☐ Mar	ine Fishes		
Invertebrates*		│ □ Inland	Non-Anadromous Fi	sh	П Маг	rine/Tidal Invert	ebrates	1
☐ Amphibians		I <u> </u>			_			•
Reptiles			omous Fish (inland w	/aters)	⊔ IVIai	rine Algae and F	rants	
☐ Mammals								
☐ ☐ Birds	·							
*Terrestrial Invertebrates: Refer to								nal
	(targeted) take and/or possession of terrestrial invertebrates covered on the California Terrestrial and Vernal Pool Invertebrates of Conservation Priority list <u>List</u> (dated June 12, 2017, pursuant to Title 14, subsection 650(a)(9), available at							
https://www.wildlife.ca.gov/Licens			iue 14, subsection	<u>ინს(მ)(მ)</u> , av	aliable at	•		
4f. AMENDED REQUESTED AC		iecung).						
								
1) Wildlife Groups and Species	3:							·
a) Amended Targeted Wildli	fe							
Click "Add New Record" below, s	select the propose	ed targeted spec	cies, or if requesting	at a taxonom	ic level of	ther than specie	s, sele	ct the
proposed lowest level(s) of taxor	nomic group(s) fro	om the drop dow	n lists. Provide the f	ollowing infor	mation fo	r each taxonom	ic leve	l(s), or
specific species requested.								
Species or Taxonomic Level	Species or Leve	el (Common	District	Life Ota ara		0	1	
(Scientific Name) (e.g., Order, Family, Genus, etc.)	Name)	•	Status	Life Stage		Sex	Orig	jin
		r	<prepopulated< td=""><td><dropd< td=""><td>own</td><td><dropdown< td=""><td><<u>C</u></td><td>ropdown</td></dropdown<></td></dropd<></td></prepopulated<>	<dropd< td=""><td>own</td><td><dropdown< td=""><td><<u>C</u></td><td>ropdown</td></dropdown<></td></dropd<>	own	<dropdown< td=""><td><<u>C</u></td><td>ropdown</td></dropdown<>	< <u>C</u>	ropdown
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h) A and ad Mary Tarres (1960)	alitea dinadalandal	December 1						
b) Amended Non-Target Wil		-		`, ,				
Click "Add New Record" below, s							select	the
proposed lowest level(s) of taxor								1
The quantities expected		_	•			-		-
Describe what measure the incidental continue (I)								
the incidental capture (line during handling (e.g., p	•	-	•			•		
duration, etc.).	eisonnei ale tiam	ied in identincati	on and supervision,	uisciiiiiiiiiiiiiiii	сарште п	iethous, nandin	ig proc	edules an
Species or Taxonomic Level	0			T				
(Scientific Name) (e.g., Order,	Species or Leve	el (Common	Status	Quantities	Meas	ures Minimizing	Harm	of Wildlife
Family, Genus, etc.)	Name)							
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<add new="" record=""></add>	I		· · ·	1				
c) Review of Species Inform	nation				,			*****



l 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												
contact the	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 Pos	ssession Activiti	es:							-		
			sed take and/or pos									
information per the Activity.	requested s	specific species o	r taxonomic level(s).	Additional	Details ma	y be pro	vided to	clarify and	d justi	fy the r	eques	ted
Activity	Dispos		Species or Taxono	mic Level	Quantitie	s	Details					
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3) Amended Take	Wethods:											
			sed method(s) from							ed met	hod u	sed to
			species or taxonom	ic level(s),	and include	e the foll	lowing inf	ormation:				,
-	_	start and end dat	e;									
•	ncy of sam		v of wildlife to be tak	on and/or r	onnonnod	bu that e	nathad (i	funkanı	امما		and av	mlain
 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 												
	-	nethodology unde										
•			ell as type, size and	details of e	quipment t	to be use	ed (e.g., r	net mesh :	size,	whethe	r traps	are
· ·			es per sampling, etc.		•							
			red to minimize incid									
			t, or during handling					nel are tra	ined	in ident	ificatio	n and
		s or Taxonomic	ure methods, handlir Sampling Season		g Season	Sampl			<u> </u>			
Take Method	Level		Start Date	End Date		Freque	ency	Quantitie	es	Detail	S	
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4) Amended Proce	dures:				•							
Will your proposed	study requ	ire procedures to	be performed on wik	dlife?						Yes		No
		•	procedure from the	drop down	list, and pr	rovide th	e followir	ng informa	tion p	er the	reque	sted
specific species, or												
,	•		x of wildlife to under	go procedu	res or mar	king (if u	ınknown,	select "0"	and	explain	under	
	hy it is unk	* *	Notalia":									
 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 												
		-	f sample collected, e	•	p ,			.g p		,,		9
			red to minimize incid		or death o	f wildlife	e, and de	scribe hov	w you	will mi	nimize	risk to
v	ildlife's wel	ll-being during pro	cedures or marking	events.								
Procedure		Species or Taxon	omic Level	Quantities		Details						
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5) Amended Sacri	ice of Wild	dlife:	,					п				
Will your proposed	study resul	lt in the death or r	emoval of target or r	ion-target v	vildlife from	n the wife	d?			Yes		No



State of California – Department of Fish and Wildlife SCIENTIFIC COLLECTING PERMIT, SPECIFIC USE – AMENDMENT DFW 1379SA (NEW-09/01/17/REV 01/2024) Page 7 of 16

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;
 - o Describe means for which wildlife is sacrificed or humanely euthanized; and
 - o 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=""></filtered>	<numeric></numeric>	<dropdown list=""></dropdown>	<dropdown list=""></dropdown>		<text box<="" td=""><td>(></td></text>	(>	
<add new="" record=""></add>							
6) Amended Captivity of Wildlife:					1.0		
a) Will live wildlife be removed be transferred into possess			"ex situ"), or will live v	vildlife	☐ Yes	□ No	

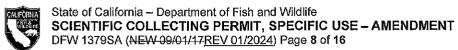
If yes click "Add New Record," select the Captivity Type from the drop down list below, and provide the following information:

- 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;
 - o 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.

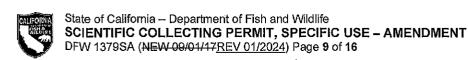
Terrestrial Wildlife Only:

- 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.
- o 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.
- o Describe all personnel responsible for providing day-to-day care for captive wildlife, and their qualifications to conduct such work.
- o 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></dropdown 	<filtered dropdown="" list=""></filtered>	<numeric></numeric>	<dropdown List></dropdown 	<dropdown List></dropdown 	<text box=""></text>
c Add Now	Pacards				



Do you intend to sacrifice wildlife	at the conclusion	of the proposed	study or progra	am?	☐ Yes	□ No
If yes, click "Add New Record" bel-		·				
 The quantities of each sp sacrificed; and The specifics of euthanas 				0" and explain under "Details" why	it is unknow	n) to be
Species Specification of Species	Quantities	Life Stage	Sex .	Details		
		<dropdown< td=""><td><dropdown< td=""><td></td><td></td><td></td></dropdown<></td></dropdown<>	<dropdown< td=""><td></td><td></td><td></td></dropdown<>			
<filtered dropdown="" list=""></filtered>	<numeric></numeric>	List>	List>	<text bo<="" td=""><td>·</td><td></td></text>	·	
Do you intend to captive breed the If yes, click "Add New Record" bel	•		- modian		☐ Yes	□ No
 The quantities of each specification For each species you plate output Describe the number 	pecies by life stag on on captive bree ed references for	elage, sex (if un eding, provide th successful capt expected to be	iknown, select " e specifics unde ive breeding of produced, and	the species; the intended disposition; and	it is unknow	n) to be
Species	Quantities	Life Stage	Sex	Details		
<filtered dropdown="" list=""></filtered>	<numeric></numeric>	<dropdown List></dropdown 	<dropdown List≻</dropdown 	<text bo<="" td=""><td>)x></td><td></td></text>)x>	
Do you intend to release organism	ns (or their offspr			ly bred, or for other reasons?	☐ Yes	□ No
 Description of headeribe why the describe why it is Explain why it is Describe how you biosecurity mea Explain the planenvironment after the species If individuals have what other species held at Provided Explain 	in on releasing baginally captured (olding facility, and it time period was in the best interest will minimize resures, disinfection to minimize introposed for release back in proposed for release provided the facility, address are held in the facility, address details about w	ack to the wild, participated in the wild, participated in the State are the state are the state are the state are the state are the state are the state are the state are the state are the state are the state are the state are train and cleaning participated in the wild. The state are the state are train	e location of the iduals will be he and for the speciansmission duriprocedures, was ogens (virus, fur through water se describe the ontaining the special place to previously the open of	wing under "Details": proposed release site, and location all alive in captivity before being relies, to return the organisms to the ing temporary captivity (i.e., include the disposal, health assessments); ingus, bacteria, and parasite) into the or a closed system? food and whether it is being consultations proposed for release? If the ent cross contamination with none potential risks of non-native spe	eleased into wild; ing but not lin and he ecosyster umed? ure any non-n	the wild, and mited to, n or
o Does any portion Terrestrial Wildlife Only: o Attach additions o Be advised, the been examined separately appr Inland Fisheries Only:	al protocols or sta Department may and/or tested, as oved in writing. sed to be moved	andard operating require written may be necess to a different ge	procedures, if a correspondence ary and require eneral location (a Sex	how is incoming water treated? applicable, that describe release as from qualified veterinary staff to d by the Department, before transfiner scale), will you obtain approve	verify the ind port and rele	ease is
<filtered dropdown="" list=""></filtered>	<numeric></numeric>	<dropdown List></dropdown 	<dropdown List></dropdown 	<text bo<="" td=""><td>)X></td><td></td></text>)X>	
<add new="" record=""></add>						
b) Will live wildlife be relocat	ed, translocated	d, or reintroduc	ed (" <i>in situ</i> ")?		☐ 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":
 - o List the source counties and specific location(s) from which wildlife was, or is proposed to be taken, and the final release location(s);
 - o 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=""></filtered>	<numeric></numeric>	<dropdown List></dropdown 	<dropdown List></dropdown 	<text box=""></text>	

<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	Species or	County	Land	Waters	MPA or other	Habitats	Details
Area	Taxonomic Level		Ownership		Managed Area		
	<filtered Dropdown List></filtered 	<dropdown List></dropdown 	<dropdown List></dropdown 	<dropdown List></dropdown 	<dropdown List></dropdown 	<filtered dropdown="" list=""></filtered>	<text box=""></text>
							i i

<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.

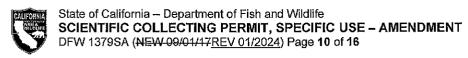
Latitude	Longitude	Datum (WGS 84, NAD 83 preferred)
		<dropdown list=""></dropdown>

<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 of educational institution(s) to which all wildlife specimens and/or parts thereof will be transferred or deposited.

edu	cational institution(s) to wr	ich all wildlife specimens and/o	r parts thereof will be	transferred or deposited.		
Loc	ation Type	Name	Street Address	City	State	Zip



<Upload Attachment>

<dropdown list=""></dropdown>					
<add new="" record=""></add>					
9) Amended Role of Propo	sed Authorized Individ	uals			
who will work independently	on the permit. In the "Re	ole Details" field, explain	ct the SC ID of the Authorized In the role the individual will provide ssion activities, methods, proced	e for the study or	planned
SC ID	First Name	Last Name	Role Details		
<pre><filtered 3c="" dropdown="" from="" list="" section=""></filtered></pre>	<prepopulated id="" sc="" via=""></prepopulated>	<prepopulated id="" sc="" via=""></prepopulated>	<tex< td=""><td>t Box></td><td></td></tex<>	t Box>	
<add new="" record=""></add>					
10) Attach Additional	Supporting Documents				
To attach additional supporti scientific format, literature cit	ng documents (e.g., cop ed, relevant protocols or	ies of federal or other per other information reques	mits or applications for such per ted in this application), click "Up	mits, or study pr load Attachment	oposal in ."

SECTION 5: OTHER PERMITS AND ENVIRONMENTAL DOGU	MENTS		eria servicia de la comoción de la c
5a. FEDERAL PERMITS			
Do you currently hold/ are named on, have applied for, or will app Select all that apply to this amendment, and attach copies of pern		• • • • • • • • • • • • • • • • • • • •	☐ Yes
			□ No
Federal Endangered Species Act 10(a)(1)(A) Native Endange Threatened Species Recovery Permit – U.S. Fish and Wildlife S	☐ Bird Banding Permit – U.S. Geological Sur	vey	
Permit No(s):		Permit No(s):	
Federal Endangered Species Act 10(a)(1)(A) Scientific Resea National Oceanic and Atmospheric Administration, Fisheries (NI		■ Migratory Bird Permit – U.S. Fish and Wild	life Service
Permit No(s):		Permit No(s):	
Federal Endangered Species Act 4(d) rule – Research Permit No(s):	☐ Other (e.g., National Parks Service, Nation Sanctuaries, Bureau of Land Management, Na Refuge, etc.)		
		Type and Permit No.(s):	
5b. STATE PERMITS			
Do you currently hold, or are named on, or have applied for, or wi			Yes
Select all that apply to this amendment, and attach copies of perm	mits or appl	ications.	□ No
☐ California Endangered Species Act and/or Fully Protected Sp Research MOU(s) — Department	ommon name(s) (<i>Scientific nam</i> e)		
Permit or MOU Names or No.(s):			
☐ Scientific Research and Collecting Permits – CA State Parks ☐ Other (e.g., California Dept. of Food and Agriculty Type and Permit No.(s):			
Permit No(s): 5c. RELEVANT ENVIRONMENTAL DOCUMENTS			
Are you proposing to conduct activities to meet requirements of a	an environr	nental plan or document, or to meet other	☐ Yes
environmental compliance required by law? Select all that may a the document(s), if applicable.			□ Yes □ No
Federal – Federal Endangered Species Act Section 7 Consultation, Biological Opinion	I	ederal Hydropower Licensing (Federal Energy Regunnmission)	latory
Renewable Energy (i.e., wind, solar, etc.)		alifornia Environmental Quality Act	
☐ National Environmental Policy Act	□ F	ish Restoration Grants Program	
□ Natural Community Conservation Plan	☐ Lake and Streambed Alteration Agreement		
☐ Hatchery, or Department Fishery Management Plan		Vater Operations (U.S. Bureau of Reclamation, Califiter Resources, Interagency Ecological Program, etc.	
□ Other			

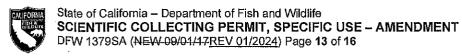


SECTION 6. AMENDMENT CERTIFICATION

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."

persons working under this permit will be adequately supervised, and comply with the requirements noted as	,0v6.
APPLICANT SIGNATURE	DATE
X	



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(I), 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(I) 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 of 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 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 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 <a href="mailto:licenses/licens