



## DEPARTMENT OF THE INTERIOR

### Fish and Wildlife Service

[FWS-R8-ES-2025-N007; FXES11130800000-256-FF08E00000]

### Endangered and Threatened Species; Receipt of Recovery Permit Applications

**AGENCY:** Fish and Wildlife Service, Interior.

**ACTION:** Notice of receipt of permit applications; request for comments.

**SUMMARY:** We, the U.S. Fish and Wildlife Service, have received applications for permits to conduct scientific research to promote conservation or other activities intended to enhance the propagation or survival of endangered or threatened species under the Endangered Species Act (ESA). We invite the public and local, State, Tribal, and Federal agencies to comment on these applications. Before issuing any of the requested permits, we will take into consideration any information that we receive during the public comment period.

**DATES:** We must receive your written comments on or before [INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

**ADDRESSES:** *Document availability and comment submission:* Submit requests for copies of the applications and related documents and submit any comments by one of the following methods. All requests and comments should specify the applicant name(s) and application number(s) (e.g., XXXXXX or PER0001234).

- *Email:* [permitsR8ES@fws.gov](mailto:permitsR8ES@fws.gov).
- *U.S. Mail:* Tiffany Heitz, Regional Recovery Permit Coordinator, U.S.

Fish and Wildlife Service, 2800 Cottage Way, Room W-2606, Sacramento, CA 95825.

**FOR FURTHER INFORMATION CONTACT:** Tiffany Heitz, via phone at 916-414-6489, or via email at [permitsR8ES@fws.gov](mailto:permitsR8ES@fws.gov). Individuals in the United States who are

deaf, deafblind, hard of hearing, or have a speech disability may dial 711 (TTY, TDD, or TeleBraille) to access telecommunications relay services. Individuals outside the United States should use the relay services offered within their country to make international calls to the point-of-contact in the United States.

**SUPPLEMENTARY INFORMATION:** We, the U.S. Fish and Wildlife Service, invite the public to comment on applications for permits under section 10(a)(1)(A) of the Endangered Species Act, as amended (ESA; 16 U.S.C. 1531 et seq.). The requested permits would allow the applicants to conduct activities intended to promote recovery of species that are listed as endangered or threatened under the ESA.

### **Background**

With some exceptions, the ESA prohibits activities that constitute take of listed wildlife species unless a Federal permit is issued that allows such activity. The ESA's definition of "take" of wildlife species includes such activities as pursuing, harassing, trapping, capturing, or collecting, in addition to hunting, shooting, harming, wounding, or killing, or attempting to engage in any such conduct.

A recovery permit issued by us under section 10(a)(1)(A) of the ESA authorizes the permittee to conduct activities with endangered or threatened species for scientific purposes that promote recovery or for enhancement of propagation or survival of the species. These activities often include such prohibited actions as capture and collection of listed wildlife species and removal and reduction to possession of listed plant species from an area of federal jurisdiction. Our regulations implementing section 10(a)(1)(A) for these permits are found in the Code of Federal Regulations at 50 CFR 17.22 for endangered wildlife species, 50 CFR 17.32 for threatened wildlife species, 50 CFR 17.62 for endangered plant species, and 50 CFR 17.72 for threatened plant species.

### **Permit Applications Available for Review and Comment**

Proposed activities in the permit requests in table 1 are for the recovery and

enhancement of propagation or survival of the species in the wild. The ESA requires that we invite public comment before issuing these permits. Accordingly, we invite local, State, Tribal, and Federal agencies and the public to submit written data, views, or arguments with respect to these applications. The comments and recommendations that will be most useful and likely to influence agency decisions are those supported by quantitative information or studies.

**Table 1—Permit Applications Received**

<b>Application Number</b>	<b>Applicant, City, State</b>	<b>Species</b>	<b>Location</b>	<b>Take activity</b>	<b>Permit Action</b>
67390A	Benjamin Smith, Irvine, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> </ul>	CA, NV	Survey using recorded vocalization	Renew
63422B	U.S. Forest Service Spring Mountain National Recreation Area, Las Vegas, Nevada	<ul style="list-style-type: none"> <li>• Mount Charleston blue butterfly (<i>Icaricia [Plebejus] shasta charlestonensis</i>)</li> </ul>	NV	Survey	Renew
20186A	Huffman Environmental, LLC., Julian, California	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey by pursuit, collect adult vouchers, and collect resting eggs	Renew
PER0121458	Donald Hardeman Jr., Cedar Hill, Texas	<ul style="list-style-type: none"> <li>• San Francisco garter snake (<i>Thamnophis sirtalis tetrataenia</i>)</li> </ul>	CA	Survey, capture, handle, swab, and release	Amend
207873	Carol Thompson, Claremont, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew and amend
PER15474162	Evan Davies, Santa Barbara, California	<ul style="list-style-type: none"> <li>• Tidewater goby (<i>Eucyclogobius newberryi</i>)</li> </ul>	CA	Survey, capture, handle, and release	New
PER15476846	Lindsey Koos, Roseville, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New

		<i>(Branchinecta sandiegonensis)</i>			
12069D	Ryan Layden, San Diego, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	Renew
PER15447319	Scarlett Stromer, Redding, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New
PER15481587	Pedro Garcia, Visalia, California	<ul style="list-style-type: none"> <li>• Giant kangaroo rat (<i>Dipodomys ingens</i>)</li> <li>• Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>)</li> <li>• Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>)</li> </ul>	CA	Survey, capture, handle, and release	New
98536C	Stillwater Sciences, Berkeley, California	• Southwestern willow flycatcher ( <i>Empidonax traillii extimus</i> )	AZ, CA, CO, NM, NV, UT	Survey using recorded vocalization	Amend
PER15832724	Velvet L Park, Santa Ana, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and	New

		<ul style="list-style-type: none"> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>		collect branchiopod resting eggs	
049175	Melanie Dicus, Black Canyon City, Arizona	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> <li>• Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>)</li> </ul>	CA	Survey by pursuit	Renew
PER12023170	Levi Lewis, Santa Rosa, California	<ul style="list-style-type: none"> <li>• Longfin smelt (<i>Spirinchus thaleichthys</i>) San Francisco Bay-Delta distinct population segment</li> </ul>	CA	Survey, capture, handle, collect, transport, and release	New
PER15840613	David Smith, Santa Ana, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New
PER15876302	Cameron Reid, Fresno, California	<ul style="list-style-type: none"> <li>• Giant kangaroo rat (<i>Dipodomys ingens</i>)</li> <li>• Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>)</li> <li>• Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>)</li> <li>• Morro Bay kangaroo rat (<i>Dipodomys heermanni morroensis</i>)</li> </ul>	CA	Survey, capture, handle, and release	New
50992B	Antonette Gutierrez, Imperial	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> </ul>	CA	Survey using recorded	Renew

	Beach, California	<ul style="list-style-type: none"> <li>• Tidewater goby (<i>Eucyclogobius newberryi</i>)</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> <li>• Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)</li> <li>• Least Bell's vireo (<i>Vireo bellii pusillus</i>)</li> </ul>		vocalizations, pursue, capture, handle, release, locate and monitor nests, and remove brown-headed cowbird ( <i>Molothrus ater</i> ) eggs and chicks from parasitized nests	
062907	Andrew Forde, Camarillo, California	<ul style="list-style-type: none"> <li>• Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast and South Sierra distinct population segments</li> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Amend
827493	Brian Leatherman, Yorba Linda, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> </ul>	CA, NV	Survey using recorded vocalizations	Renew
42850A	California Department of Water Resources, Fresno, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
041668	Cleveland National Forest, San Diego, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> <li>• Arroyo (arroyo southwestern) toad (<i>Anaxyrus californicus</i>)</li> <li>• Slender-horned spineflower (<i>Dodecahema leptoceras</i>)</li> <li>• Munz's onion (<i>Allium munzii</i>)</li> <li>• Braunton's milkvetch</li> </ul>	CA	Survey, survey using recorded vocalizations, capture, handle, swab, release, and remove and reduce to possession from Federal lands	Renew

		<p>(<i>Astragalus brauntonii</i>)</p> <ul style="list-style-type: none"> <li>• Nevin's barberry (<i>Berberis nevinii</i>)</li> <li>• San Diego button celery (<i>Eryngium aristulatum</i> var. <i>parishii</i>)</li> <li>• San Bernardino bluegrass (<i>Poa atropurpurea</i>)</li> </ul>			
PER15905281	Rachel Cotroneo, El Cerrito, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• California freshwater shrimp (<i>Syncaris pacifica</i>)</li> </ul>	CA	Survey, capture, handle, swab, release, collect adult vouchers, and collect branchiopod resting eggs	New
37609D	Debi Fanucchi, Oakland, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Sonoma County distinct population segment</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
054011	John Green, Riverside, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> </ul>	AZ, CA, CO, TX, NM, NV, UT	Survey, survey using recorded vocalizations, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	Renew

		<ul style="list-style-type: none"> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> <li>• San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>)</li> <li>• Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)</li> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> </ul>			
100006	Freeman Biological, Crescent City, California	<ul style="list-style-type: none"> <li>• San Francisco garter snake (<i>Thamnophis sirtalis tetrataenia</i>)</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
177896	Monterey Bay Aquarium Foundation, Monterey, California	<ul style="list-style-type: none"> <li>• Longfin smelt (<i>Spirinchus thaleichthys</i>) San Francisco Bay-Delta distinct population segment</li> </ul>	CA	Survey, capture, handle, and release	Amend
82102B	Zoological Society of San Diego, San Diego, California	<ul style="list-style-type: none"> <li>• California condor (<i>Gymnogyps californianus</i>)</li> </ul>	CA	Capture, handle, transport, maintain in captivity, exhibit for public education, captive breed, artificially incubate eggs, exchange eggs, captive rear, collect biological samples, tag, attach radio transmitters, test and monitor for	Renew

				health parameters and medical conditions, and administer health and veterinary services	
56034B	Joseph Huang, Woodland, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	Renew
92462A	Ryan Quilley, San Diego, California	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> <li>• Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)</li> <li>• Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)</li> </ul>	CA	Survey using recorded vocalizations and pursue	Renew
811188	Resource Conservation District of the Santa Monica Mountains, Calabasas, California	<ul style="list-style-type: none"> <li>• Tidewater goby (<i>Eucyclogobius newberryi</i>)</li> </ul>	CA	Survey, capture, handle, release, and collect voucher specimens	Renew
PER15921421	Sean O'Neil, Albany, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	New
41340D	Ariana Rogers, San Leandro, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew

		population segments			
50094D	Ian Axsom, Atascadero, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> </ul>	CA	Survey, capture, handle, release, and collect adult vouchers	Renew
PER15927068	Ethan Snee, Marysville, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New
PER15931401	Elsa Chen, Beale Air Force Base, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New
42850A	California Department of Water Resources, Fresno, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
017549	Mary Whitfield, Weldon, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> <li>• Least Bell's vireo (<i>Vireo belli pusillus</i>)</li> </ul>	AZ, CA, NM, NV	Survey using recorded vocalizations; locate and monitor nests; remove brown-headed cowbird eggs and chicks from parasitized nests; capture; handle; band; color-band;	Renew

				collect blood and feathers; attach radio, GPS, or satellite transmitters; hold; transport; release; and conduct workshops	
69046B	Jim Asmus, Vista, California	<ul style="list-style-type: none"> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	Renew
63349D	Nicholas Wagner, San Diego, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Amend
55035D	Adam Crawford, Sharon, Massachusetts	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Sonoma County distinct population segment</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
PER0008376	Mark Noyes, Lincoln, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> </ul>	CA	Survey, capture, handle, swab, release, collect adult vouchers, and collect branchiopod resting eggs	Renew

		<ul style="list-style-type: none"> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>			
PER0035404	Melanie Rocks, San Diego, California	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, pursue, release, collect adult vouchers, and collect branchiopod resting eggs	Renew
55171D	Matthew Schliebe, Irvine, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	Renew
37598D	Ivan Parr, Oakland, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp</li> </ul>	CA	Survey, capture, handle, swab, release, and collect adult vouchers	Renew

		<p>(<i>Lepidurus packardi</i>)</p> <ul style="list-style-type: none"> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>			
115370	Gage Dayton, Santa Cruz, California	<ul style="list-style-type: none"> <li>• Ohlone tiger beetle (<i>Cicindela ohlone</i>)</li> <li>• Santa Cruz long-toed salamander (<i>Ambystoma macrodactylum croceum</i>)</li> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• Tidewater goby (<i>Eucyclogobius newberryi</i>)</li> </ul>	CA	Survey, capture, handle, mark, collect tissue samples, photograph, release, and collect voucher specimens	Renew
74785A	Barry Nerhus, Fullerton, California	<ul style="list-style-type: none"> <li>• California least tern (<i>Sternula antillarum browni</i>)</li> <li>• Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)</li> <li>• Least Bell's vireo (<i>Vireo bellii pusillus</i>)</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, survey using recorded vocalizations, capture, handle, band, color-band, release, locate and monitor nests, collect adult branchiopod vouchers, and collect branchiopod resting eggs	Amend
63422B	USFS Spring Mountain National Recreation Area,	<ul style="list-style-type: none"> <li>• Mount Charleston blue butterfly (<i>Icaricia [Plebejus] shasta charlestonensis</i>)</li> </ul>	NV	Survey, pursue	Renew

	Las Vegas, Nevada				
56626B	Robin Dakin, San Jose, California	<ul style="list-style-type: none"> <li>California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Renew
049461	Jaymee Marty, Sacramento, California	<ul style="list-style-type: none"> <li>California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, swab, release, deploy egg laying substrate, collect adult vouchers, and collect branchiopod resting eggs	Renew
85618B	Biological Resources Services, LLC, Folsom, California	<ul style="list-style-type: none"> <li>California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> </ul>	CA	Survey, capture, handle, swab, release, deploy egg laying substrate, and collect adult vouchers	Renew

56489B	Jonathan Koehler, Corte Madera, California	<ul style="list-style-type: none"> <li>• California freshwater shrimp (<i>Syncaris pacifica</i>)</li> </ul>	CA	Survey, capture, handle, release	Renew
820658	AECOM Technical Services, San Diego, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> <li>• Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)</li> <li>• Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>)</li> <li>• Giant kangaroo rat (<i>Dipodomys ingens</i>)</li> <li>• Unarmored threespine stickleback (<i>Gasterosteus aculeatus williamsoni</i>)</li> <li>• Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>)</li> </ul>	AZ, CA, NV	Survey, capture, handle, swab, release, deploy egg laying substrate, and collect adult vouchers	Renew
PER15938037	Nann Fanguie,	<ul style="list-style-type: none"> <li>• Longfin smelt (<i>Spirinchus</i>)</li> </ul>	CA	Survey, capture,	New

	Davis, California	<i>thaleichthys</i> ) San Francisco Bay-Delta distinct population segment		handle, hold in captivity, captive breed, captive rear, conduct captive research, conduct research of contained specimens in the wild, and release	
PER0025594	John Durand, Davis, California	<ul style="list-style-type: none"> <li>• Longfin smelt (<i>Spirinchus thaleichthys</i>) San Francisco Bay-Delta distinct population segment</li> </ul>	CA	Survey, capture, handle, and release	Amend
11271B	Heron Pacific, LLC, Rocklin, California	<ul style="list-style-type: none"> <li>• California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>)</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</li> <li>• Least Bell's vireo (<i>Vireo bellii pusillus</i>)</li> </ul>	CA	Survey, capture, handle, swab, release, collect adult vouchers, and collect resting eggs	Renew and amend
807078	Point Blue Conservation Science, Vandenberg Space Force Base, California	<ul style="list-style-type: none"> <li>• California least tern (<i>Sterna antillarum browni</i>)</li> </ul>	CA	Survey, capture, handle, band, tag, attach radio transmitters, and release	Amend
21778B	Marine Science	<ul style="list-style-type: none"> <li>• Longfin smelt (<i>Spirinchus</i></li> </ul>	CA	Survey, capture,	Amend

	Institute, Redwood City, California	<i>thaleichthys</i> ) San Francisco Bay-Delta distinct population segment		handle, and release	
PER17674725	Kathryn Miller, Walnut Creek, California	<ul style="list-style-type: none"> <li>California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	New
PER17732114	Danika Tsao, Boise, Idaho	<ul style="list-style-type: none"> <li>California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>)</li> </ul>	CA	Survey using recorded vocalizations	New
PER17864042	Kaela Gamio, Red Bluff, California	<ul style="list-style-type: none"> <li>Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast distinct population segment</li> </ul>	CA	Survey, capture, handle, swab, and release	New
PER17866437	Mia Guarnieri, Livermore, California	<ul style="list-style-type: none"> <li>California tiger salamander (<i>Ambystoma californiense</i>) Sonoma County distinct population segment</li> </ul>	CA	Survey, capture, handle, swab, and release	New
PER17867531	Whiskeytown National Recreation Area, Whiskeytown, California	<ul style="list-style-type: none"> <li>Stebbins' morning-glory (<i>Calystegia stebbinsii</i>)</li> </ul>	CA	Collect vouchers and seeds, propagate, and conduct genetic analysis on samples	New
77120D	University of California, Santa Barbara, California	<ul style="list-style-type: none"> <li>Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast and South Sierra distinct population segments</li> </ul>	CA	Survey, capture, handle, swab, and release	Amend
PER0057271	William Webb, Jr., Larkspur, California	<ul style="list-style-type: none"> <li>Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast distinct population segment</li> </ul>	CA	Survey, capture, handle, swab, and release	Amend

## **Public Availability of Comments**

Written comments we receive become part of the administrative record associated with this action. Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can request in your comment that we withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from organizations or businesses, and from individuals identifying themselves as representatives or officials, will be made available for public disclosure in their entirety.

## **Next Steps**

After the comment period closes, we will make decisions regarding permit issuance. If we issue a permit to any of the applicants listed in this notice, we will publish a notice in the *Federal Register*. You may locate the notice announcing the permit issuance by searching <https://www.regulations.gov> by the application number listed above in this document. Type in your search exactly as the application number appears above, with spaces and hyphens as necessary. For example, to find information about the potential issuance of Permit No. PER 1234567-0, you would go to <https://www.regulations.gov> and type “PER 1234567-0” in the Search field.

An interested party opposed to a recovery permit’s issuance may object by following the requirements in 50 CFR §17.22(d) and request notification of the final action. The Service will follow the procedures in that section regarding notification of interested parties who file objections to issuance of permits.

## **Authority**

We publish this notice under section 10(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.).

**Angela Picco,**  
*Regional Threatened and Endangered Lead,*  
*Ecological Services*  
*Pacific Southwest Region,*  
*Sacramento, California.*

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