



DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS-R8-ES-2025-N033; FXES1113080000-267-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. 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:* Use one of the following methods to request documents or submit comments. All requests and comments should specify the applicant name(s) and application number(s) (e.g., **Smith, ES-012345** or **Jones, PER0001234**).

- *Email:* 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 916-978-5569, or via email at 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 contact.

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

Application Number	Applicant; City, State	Species	Location	Take activity	Permit Action
PER8717669	Mello Dee Hrdlicka; Riverside, California	San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>)	CA	Survey, capture, handle, and release	New
98536C	Stillwater Sciences; Berkeley, California	Tidewater goby (<i>Eucyclogobius newberryi</i>), Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra distinct population segments (DPS), California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, photograph, swab, release, and collect voucher specimens	Renew
PER18916640	Christopher Scanlon; Sacramento, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	New
007907	U.S. Geological Survey; Klamath Falls, Oregon	Shortnose sucker (<i>Chasmistes brevirostris</i>) and Lost River sucker (<i>Deltistes luxatus</i>)	CA, NV, OR	Survey, capture, handle, mark (including the use of fin clips, external tags, internal and external radio telemetry transmitters, PIT tags, and coded wire tags), release, collect specimens, collect gametes, and use enclosures	Renew and Amend
PER0045140	Utah State University; Logan, Utah	Cui-ui (<i>Chasmistes cujus</i>)	NV	Survey, capture, handle, mark, sacrifice, tissue sample, and collect	Renew

108507	U.S. Fish and Wildlife Service Pacific Southwest Region; Sacramento, California	All endangered species in the Pacific Southwest Region	CA, NV, OR	Purposeful take in the form of all activities that further the U.S. Fish and Wildlife Service's mission to conserve wildlife, plants, and the ecosystems upon which they depend	Renew and Amend
	Vanessa Danielson; Fair Oaks, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod resting eggs	New
56732D	Jasmine Bakker; Santee, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	Renew
PER20359209	Mimi Dietderich; Concord, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, swab, mark, relocate, and release	New
PER22004298	Cherie Yang; Bakersfield, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	New

148554	Amber Heredia; Santa Ana, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	AZ, CA, NV	Survey using recorded vocalization	Renew
30659A	Creekside Center for Earth Observation; Menlo Park, California	Mission blue butterfly (<i>Icaricia icarioides missionensis</i>)	CA	Survey by pursuit, collect, and translocate	Renew
89994B	Daria Snider; Sacramento, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus wootoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
68514D	Adam DeLuna; Santa Ana, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	CA, NV	Survey using recorded vocalization	Renew
60680D	California Army National Guard; North Highlands, California	Santa Cruz tarplant (<i>Holocarpha macradenia</i>)	CA	Remove and reduce to possession	Renew
50899B	Nicholas Bonzey; Sacramento, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus wootoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
PER20703037	Jeffrey Wells; Fallbrook, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>), Least Bell's vireo (<i>Vireo bellii pusillus</i>),	CA	Survey using recorded vocalization,	New

		and Arroyo toad (<i>Anaxyrus canorus</i>)		capture, handle, swab, and release	
PER0011950	Olberding Environmental; Folsom, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), and California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, swab, release, collect adult vouchers, and collect resting eggs	Amend
66265D	Donna Noce; Bakersfield, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), Giant kangaroo rat (<i>Dipodomys ingens</i>), Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>), Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>), Morro Bay kangaroo rat (<i>Dipodomys heermanni morroensis</i>), Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS, and California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, release, and collect adult vouchers	Renew

58452B	Darren Ward; Arcata, California	Tidewater goby (<i>Eucyclogobius newberryi</i>)	CA	Survey, capture, handle, and release	Renew
191704	Dana Terry; Pleasant Hill, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, and Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast DPS	CA	Survey, capture, handle, swab, release, collect adult vouchers, and collect resting eggs	Renew and Amend
73946B	Austin Parker; Long Beach, California	El Segundo blue butterfly (<i>Euphilotes battoides allyni</i>) and Palos Verdes blue butterfly (<i>Glaucopsyche lygdamus palosverdensis</i>)	CA	Survey by pursuit	Renew
PER20968708	Heather Curran; Los Osos, California	Tidewater goby (<i>Eucyclogobius newberryi</i>)	CA	Survey, capture, handle, and release	New
77128D	Victoria Prado; Santa Barbara, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, and collect adult vouchers	Renew
PER22053515	Rivers and Lands Conservancy; Riverside, California	Delhi Sands flower-loving fly (<i>Rhaphiomidas terminates abdominalis</i>)	CA	Survey by pursuit	New

787716	Scott Tremor; San Diego, California	San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>), Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>), and Sierra Nevada red fox (<i>Vulpes vulpes necator</i>)	CA	Survey, baited motion camera survey, track tube survey, capture, handle, collect tissue samples for genetic material, and release	Renew and Amend
67250D	Margaret Rei Scampavia; Richmond, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, and collect adult vouchers	Renew
PER21208242	Leslie Munoz; Santa Cruz, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS and Santa Cruz long-toed salamander (<i>Ambystoma macrodactylum croceum</i>)	CA	Survey, capture, handle, swab, and release	New
PER21200525	Jessica Appel; Pleasant Hill, California	Mission blue butterfly (<i>Icaricia icarioides missionensis</i>)	CA	Survey, capture, handle, collect genetic material, sacrifice, and conduct genetic work	New
813545	Brock Ortega; Poway, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp	CA	Survey, survey using recorded vocalizations, survey by pursuit, capture, handle, release, collect adult vouchers,	Renew

		(<i>Branchinecta sandiegonensis</i>), Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), and Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)		and collect resting eggs	
092162	Andrew Borchert; Santee, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	Renew
031850	Gretchen Cummings; Ramona, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	Renew
92770B	Conservation Society of California; Oakland, California	Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast and South Sierra DPS	CA	Harass by transport, captive rear, provide veterinary treatment and husbandry including brumation, swab, collect tissue samples for genetic analysis, inert PIT tags, inject Visual Implant Elastomer, provide disease treatment and immunization, perform behavioral and disease experiments, indefinitely retain and display to the public individuals unfit for reintroduction into the wild, release, euthanize, and necropsy	Amend

PER21205976	Rachel Noriega; El Centro, California	Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	CA, AZ	Survey using recorded vocalizations	New
68734D	Kyla Garten; Sacramento, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), and Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
066621	U.S. Navy Ventura County Naval Base; Point Mugu, California	Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>), California least tern (<i>Sterna antillarum browni</i>), least Bell's vireo (<i>Vireo bellii pusillus</i>), and Salt marsh bird's beak (<i>Cordylanthus maritimus ssp. maritimus</i>)	CA	Survey using recorded vocalizations, locate and monitor nests and chicks, install/use remote sensing cameras near nests, use driftwood logs to protect nests, capture, band, release, and remove and reduce to possession	Renew
PER22230993	Susan Williams; Ridgecrest, California	Mohave tui chub (<i>Gila bicolor ssp. mohavensis</i>)	CA	Survey, capture, handle, collect tissue samples for genetic study, release, and restore habitat	New
051236	Erika Eidson; La Mesa, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) and Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	CA	Survey by pursuit and survey using recorded vocalizations	Renew
56760D	Jason Allen; Bonita, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew

		(<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)			
844645	Richard U Kann; Sunland, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Delhi Sands flower-loving fly (<i>Rhaphiomidas terminates abdominalis</i>), and Palos Verdes blue butterfly (<i>Glaucopsyche lygdamus palosverdensis</i>)	CA	Survey by pursuit	Renew and Amend
PER22304748	Rachel Allingham; El Cajon, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	New
PER22305725	Julie De Barros; Petaluma, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	New
002243	Bighorn Institute; Palm Desert, California	Peninsular bighorn sheep (<i>Ovis canadensis nelsoni</i>)	CA	Survey, capture, handle, collect biological samples, radio-collar, euthanize critically ill or injured wild or captive-reared individuals unable to recover, captive rear (not breed) adults in existing captive herd, remove sick or injured lambs from the wild for rehabilitation and captive rearing and release	Renew
045994	U.S. Geological Survey Western Ecological Research	Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>), Desert slender	CA	Survey, conduct work with ants in surrounding	Renew and Amend

	Center; San Diego, California	salamander (<i>Batrachoseps aridus</i>), Unarmored threespine stickleback (<i>Gasterosteus aculeatus williamsoni</i>), Mountain yellow-legged frog (<i>Rana muscosa</i>) southern California DPS, Arroyo toad (<i>Anaxyrus canorus</i>), blunt-nosed leopard lizard (<i>Gambelia silus</i>), and Tidewater goby (<i>Eucyclogobius newberryi</i>)		habitat, capture, handle, voucher new populations, collect hair and tissue samples, mark with visible implant elastomer tags, utilize tracking tubes, photograph and record, collect specimens for vouchers and genetic and morphological assessments, swab, and release	
55068D	Allie Sennett; Sacramento, California	California tiger salamander (<i>Ambystoma californiense</i>) Sonoma County distinct population segment and Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	Renew and Amend
PER2424938	Westland Resources, Inc.; Tucson, Arizona	Tiehm's buckwheat (<i>Eriogonum tiehmi</i>)	NV	Remove and reduce to possession	Renew and Amend
007907	U.S. Geological Survey Western Fisheries Research Center; Klamath Falls, Oregon	Shortnose sucker (<i>Chasmistes brevirostris</i>) and Lost River sucker (<i>Deltistes luxatus</i>)	OR	Capture, handle, mark (including the use of fin clips, external tags, internal and external radio telemetry or acoustic transmitters, PIT tags, and coded wire tags), release, collect specimens,	Renew and Amend

				collect, gamete, and use enclosures	
PER11171364	Caroline Hamilton; Nevada City, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, insert PIT tags, transport, translocate, emergency salvage, and release	New
20280D	Stephanie Cashin; Anaheim, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
64455D	Marshall Paymard; Foothill Ranch, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	Renew and Amend
62868B	The Klamath Tribes; Chiloquin, Oregon	Shortnose sucker (<i>Chasmistes brevirostris</i>) and Lost River sucker (<i>Deltistes luxatus</i>)	OR	Survey, trap, capture, handle, mark, collect tissue samples, collect and rear in captivity, collect gametes and relocate/reintroduce, sacrifice, and release	Renew and Amend
28366D	Taylor Dee; Redlands, California	Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	AZ, CA, NV	Survey using recorded vocalization	Renew and Amend

PER20609148	Alexander Bajakian; Travis Air Force Base, California	Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, and Contra Costa goldfields (<i>Lasthenia conjugens</i>)	CA	Survey, capture, handle, release, collect adult vouchers, collect resting eggs, and remove and reduce to possession	Amend
800777	Jepson Prairie Preserve Docent Program; Davis, California	Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	CA	Survey, capture, handle, release, and collect adult vouchers	Amend
PER9605389	Rylie Towne; Stockton, California	Foothill yellow-legged frog (<i>Rana boylei</i>), South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	Amend
063230	Jim Rocks; San Diego, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus wootoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), and Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey, survey by pursuit, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
55135D	Adam Lockyer; Fallbrook, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	CA, NV, AZ	Survey using recorded vocalization	Renew
PER22876537	David Tange; Petaluma, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, swab, and release	New
PER10171021	Miguel Moutsos; Oceanside, California	Least Bell's vireo (<i>Vireo bellii pusillus</i>)	CA	Survey using recorded vocalization and locate and monitor nests	New

PER0011963	Ian Hirschler; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Delhi Sands flower-loving fly (<i>Rhaphiomidas terminates abdominalis</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
PER23104032	The Xerces Society for Invertebrate Conservation; Portland, Oregon	Behren's silverspot butterfly (<i>Speyeria zeren behrensii</i>)	CA	Survey, capture, handle, and release	New
48170A	Lisa Herrera; Santa Maria, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), and California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County distinct population segments (DPS)	CA	Survey, capture, handle, swab, release, and collect adult vouchers	Renew
32290D	Michael Scaffadi; Davis, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, swab, and release	Amend

141359	Stephen Stringer; El Dorado Hills, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
50510A	Geoffrey Cline; Truckee, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS, Giant kangaroo rat (<i>Dipodomys ingens</i>), Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>), Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>), and California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS	CA	Survey, capture, handle, swab, mark, collect tissue samples, and release	Renew and Amend
PER23105280	Leonel Hausman; Dixon, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	New
PER2385623	Alex Berryman; Ogden, Utah	Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS	CA	Survey, capture, handle, swab, and release	Amend
77146D	Westervelt Ecological Services, LLC.; Sacramento, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), California tiger salamander (<i>Ambystoma californiense</i>) Santa	CA	Survey, capture, handle, swab, release, collect adult vouchers, collect resting eggs, process soil samples for resting egg identification, and culturing and hatching resting eggs	Renew and Amend

		Barbara County and Sonoma County DPS, and Foothill yellow-legged frog (<i>Rana boylei</i>) South Coast and South Sierra DPS			
77123D	Pim Laulikitnont-Lee; San Francisco, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, and California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>)	CA	Survey using recorded vocalizations, survey, capture, handle, swab, and release	Renew and Amend
119861	Quad Knopf, Inc.; Clovis, California	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>), Giant kangaroo rat (<i>Dipodomys ingens</i>), Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>), and Buena Vista Lake shrew (<i>Sorex ornatus relictus</i>)	CA	Survey, capture, handle, swab, mark, and release	Renew
82155B	Johanna Page; Pasadena, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
64144A	Emily Mastrelli; Alpine, California	California least tern (<i>Sterna antillarum browni</i>), Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole	CA	Survey by pursuit, survey, capture, handle, band, release, locate and monitor nests, collect or bury non-viable eggs, collect adult	Renew and Amend

		shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)		vouchers, and collect resting eggs	
837760	Kendall Osborne; Riverside, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), El Segundo blue butterfly (<i>Euphilotes battoides allyni</i>), Palos Verdes blue butterfly (<i>Glaucopsyche lygdamus palosverdesensis</i>), Delhi Sands flower-loving fly (<i>Rhaphiomidas terminates abdominalis</i>), Laguna Mountains skipper (<i>Pyrgus ruralis lagunae</i>), and Casey's June Beetle (<i>Dinacoma caseyi</i>)	CA	Survey by pursuit, capture, handle, release	Renew
005535	Gilbert Goodlett; Ridgecrest, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) and Delhi Sands flower-loving fly (<i>Rhaphiomidas terminates abdominalis</i>)	CA	Survey by pursuit	Renew
069534	Victor Novik; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
PER0004080	U.S. Geological Survey Western Ecological Research Center, San Diego, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) and Least Bell's vireo (<i>Vireo bellii pusillus</i>)	AZ, CA, NM	Survey, capture, handle, band, take bio-samples, release, conduct training workshops, and remove brown- headed cowbird eggs and chicks	Renew

				from parasitized nests	
80703A	Seth Reimers; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)	CA	Survey by pursuit	Renew
58862A	Greg Mason; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, release, collect adult vouchers, collect resting eggs, process soil samples for resting egg identification, and culturing and hatching resting eggs	Renew
95114C	Todd Easley; San Marcos, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	CA	Survey using recorded vocalizations	Renew
778195	HELIX Environmental Planning, Inc.; La Mesa, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, swab, release, collect adult vouchers, collect resting eggs, and process soil samples for resting egg identification	Renew
170389	Travis Cooper; San Diego, California	Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>), Quino checkerspot butterfly (<i>Euphydryas editha quino</i>),	CA	Survey using recorded vocalizations, survey by pursuit,	Renew

		Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)		survey, capture, handle, release, collect adult vouchers, and collect resting eggs	
58760A	Jason Yakich; Forest Knolls, California	California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>), California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey using recorded vocalizations, survey, capture, swab, handle, release, collect adult vouchers, and collect resting eggs	Renew
PER246532	Victoria Brunal-Byrd	California tiger salamander (<i>Ambystoma californiense</i>) Santa Barbara County and Sonoma County DPS, and California red-legged frog (<i>Rana draytonii</i>)	CA	Survey, capture, handle, swab, release	New
76006B	Zoological Society of San Diego; San Diego, California	Mountain yellow-legged frog (<i>Rana muscosa</i>) Southern California DPS	CA	Collect samples for genetic material, conduct captive research, and translocate	Amend
89991B	Sarah VonderOhe; Citrus Heights, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp	CA	Survey, capture, handle, release, collect adult	Renew and Amend

		(<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)		vouchers, collect resting eggs, and process soil samples for resting egg identification	
63359B	Jennifer Radtkey; Oakland, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
PER0002114	Scott K Whitman; Sacramento, California	Foothill yellow-legged frog (<i>Rana boylei</i>) South Sierra DPS, Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), and Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	CA	Survey, capture, handle, swab, release, and collect adult vouchers	Renew and Amend
92462A	Ryan Quilley; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>), and Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)	CA	Survey by pursuit and survey using recorded vocalizations	Renew
06873C	Environmental Science Associates; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>), Southwestern willow flycatcher (<i>Empidonax</i>	CA	Survey by pursuit, survey using recorded vocalizations, locate and monitor	Renew and Amend

		<p><i>traillii extimus</i>), Least Bell's vireo (<i>Vireo bellii pusillus</i>), San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>), Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</p>		<p>nest, remove brown-headed cowbird eggs (<i>Molothrus ater</i>) and chicks from parasitized nests, capture, handle, release, collect adult vouchers, and collect resting eggs</p>	
13632B	Elena Gregg; Chico, California	<p>Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)</p>	CA	<p>Survey, conduct educational tours, capture, handle, release, collect adult vouchers, collect resting eggs, and process soil samples for resting egg identification</p>	Renew and Amend
797665	Recon Environmental, Inc.; San Diego, California	<p>Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>), Least Bell's vireo (<i>Vireo bellii pusillus</i>), San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>), Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy</p>	CA	<p>Survey by pursuit, survey using recorded vocalizations, survey, locate and monitor nests, remove brown-headed cowbird eggs (<i>Molothrus ater</i>) and chicks from parasitized nests, capture,</p>	Renew and Amend

		shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)		handle, release, collect adult vouchers, and collect resting eggs	
221287	Diana Saucedo; San Diego, California	Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey by pursuit, survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew
139634	Thomas Liddicoat; Vista, California	Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), and San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	CA	Survey, capture, handle, release, collect adult vouchers, and collect resting eggs	Renew

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 decide to issue permits 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. PER1234567-0, you would go to <https://www.regulations.gov> and type “PER1234567-0” in the Search field.

An interested party opposed to a recovery permit’s issuance may object by following the requirements in 50 CFR17.22(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,
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Pacific Southwest Region,
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