



Billing Code 4333–15

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS–R8–ES–2018–N121; FXES11130800000–178–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 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:* 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., **TEXXXXXX**).

- *Email:* permitsr8es@fws.gov.
- *U.S. Mail:* Daniel Marquez, Endangered Species Program Manager, U.S. Fish and Wildlife Service, Region 8, 2800 Cottage Way, Room W-2606, Sacramento, CA 95825.

FOR FURTHER INFORMATION CONTACT: Daniel Marquez, via phone at 760-431-9440, via email at permitsr8es@fws.gov, or via the Federal Relay Service at 1-800-877-8339 for TTY assistance.

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 species unless a Federal permit is issued that allows such activity. The ESA's definition

of “take” includes such activities as pursuing, harassing, trapping, capturing, or collecting in addition to hunting, shooting, harming, wounding, or killing.

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. 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 following permit requests 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.

Application Number	Applicant, City, State	Species	Location	Activity	Type of Take	Permit Action
TE-71121C	Colton Rogers, Concord, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-037806	Bureau of Land Management, Bakersfield, California	<ul style="list-style-type: none"> • Kern primrose sphinx moth (<i>Euproserpinus euterpe</i>), • Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>), • Giant kangaroo rat (<i>Dipodomys ingens</i>), • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) 	CA	Survey, mark, habitat enhancement, and use pheromones	Capture, handle, release, insert passive integrated transponder (PIT) tags, collect vouchers, perform habitat enhancement, and use pheromones	Renew
TE-094318	Jessica Vinje, Escondido,	<ul style="list-style-type: none"> • Mexican flannelbush (<i>Fremontodendron</i>) 	CA	remove/reduce to possession from	Collect	Renew and Amend

	California	<ul style="list-style-type: none"> <i>mexicanum</i>), • Orcutt's spineflower (<i>Chorizanthe orcuttiana</i>), • Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>), • Willowy monardella (<i>Monardella viminea</i>) 		lands under Federal jurisdiction		
TE-85618B	Biological Resources Services LLC., Folsom, California	<ul style="list-style-type: none"> • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>) 	CA	Survey	Capture, handle, and release	Amend
TE-205904	Heritage Environmental Consultants, LLC., Denver, Colorado	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA, NV, AZ, NM	Survey	Survey	Renew
TE-93824C	Jill Coumoutso, Fontana, California	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey	Survey	New
TE-101743	Daniel Edelstein, Novato, California	<ul style="list-style-type: none"> • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>), • California Clapper rail (California Ridgway's r.) (<i>Rallus longirostris obsoletus</i>) (<i>R. obsoletus o.</i>) 	CA	Survey	Capture, handle, and release	Renew
TE-205609	Lawrence	<ul style="list-style-type: none"> • California tiger salamander 	CA	Survey	Capture,	Renew

	Kobernus, San Francisco, California	<p>(Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>),</p> <ul style="list-style-type: none"> • San Francisco garter snake (<i>Thamnophis sirtalis tetrataenia</i>), • Callippe silverspot butterfly (<i>Speyeria callippe callippe</i>) 			handle, and release	
TE-054011	John Green, Riverside, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>), • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), • Yuma clapper rail (Yuma Ridgway's r.) (<i>Rallus longirostris yumanensis</i>) (<i>R. obsoletus y.</i>), 	CA, NV, AZ, TX, NM, UT, CO	Survey	Capture, handle, release, and collect vouchers	Renew

		<ul style="list-style-type: none"> • San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>) 				
TE-108683	Austin Pearson, Coarsegold, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	Renew
TE-95114C	Todd Easley, San Marcos, California	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey	Survey	New
TE-217119	Carie Wingert, Oakhurst, California	<ul style="list-style-type: none"> • Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>), • Giant kangaroo rat (<i>Dipodomys ingens</i>) 	CA	Survey	Capture, handle, and release	Renew
TE-98090C	Fishbio, Oakdale, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey	Capture, handle, and release	New
TE-98105C	Scott Thompson, Tahoe City, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp 	CA	Survey	Capture, handle, release, and	New

		<p>(<i>Branchinecta longiantenna</i>),</p> <ul style="list-style-type: none"> • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) 			collect vouchers	
TE-095860	Veronica Wunderlich, Pleasant Hill, California	<ul style="list-style-type: none"> • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>) 	CA	Survey	Capture, handle, transport, and release	Renew
TE-052744	Shannon Hickey, Davis, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>), • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) 	CA	Survey	Capture, handle, release, and collect vouchers	Renew

		<i>(Ambystoma californiense)</i>				
TE-98470C	Michael Burleson, Citrus Heights, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-837439	Guy Bruyey, Hemet, California	<ul style="list-style-type: none"> • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>), • Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) 	CA	Survey	Survey	Renew
TE-35000A	University of California, Davis, Davis, California	<ul style="list-style-type: none"> • Giant kangaroo rat (<i>Dipodomys ingens</i>), • Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>) 	CA	Genetics research	Capture, handle, mark, obtain genetic samples, release	Renew and Amend
TE-148554	Amber Heredia, Santa Ana, California	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA, NV, AZ, NM, UT	Survey	Survey	Renew
TE-98536C	Stillwater Sciences, Mckinleyville,	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>), • Sierra Nevada yellow- 	CA	Survey and swab	Capture, handle, swab, and release	New

	California	<ul style="list-style-type: none"> legged frog (<i>Rana sierrae</i>), California freshwater shrimp (<i>Syncaris pacifica</i>) 				
TE-83958B	Jared Elia, Concord, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-99108C	Frank Muzio, Alameda, California	<ul style="list-style-type: none"> California tiger salamander (Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>), 	CA	Survey	Capture, handle, and release	New
TE-40090B	Roland Knapp, Mammoth Lakes, California	<ul style="list-style-type: none"> Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>), Mountain yellow-legged frog ((northern California DPS) (<i>Rana muscosa</i>)) 	CA	Survey, research studies, and captive rear	Capture, handle, take skin swabs, clip toes, insert PIT tags, collect vouchers, test and treat for disease, transport, and	Renew and Amend

					captive rear	
TE-217401	Cristina Slaughter, Santa Barbara, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey	Capture, handle, and release	Renew
TE-142436	Eric Renfro, Torrance, California	<ul style="list-style-type: none"> • Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) 	CA	Survey	Survey	Renew
TE-99114C	Dawn Cunningham, Sacramento, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-793640	Jerry Smith, San Jose, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey and research	Capture, handle, collect tissue, and release	Renew
TE-039640	Kristopher Alberts, San Diego, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta</i> 	CA, NV	Survey	Capture, handle, release, and collect vouchers	Renew and Amend

		<i>sandiegensis</i>), <ul style="list-style-type: none"> • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>), • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>), • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 				
TE-217402	Julie Love, Santa Barbara, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey	Capture, handle, and release	Renew
TE-34570A	San Francisco Bay Bird Observatory, Milpitas, California	<ul style="list-style-type: none"> • California least tern (<i>Sternula antillarum browni</i>) (<i>Sterna a. browni</i>) 	CA	Research	Float eggs and use decoys	Amend
TE-797315	Michael Morrison, College Station, Texas	<ul style="list-style-type: none"> • Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>) 	CA	Surveys	Capture, handle, and release	New
TE-98574C	River Design Group, Corvallis, Oregon	<ul style="list-style-type: none"> • Lost River sucker (<i>Deltistes luxatus</i>), • Shortnose sucker (<i>Chasmistes brevirostris</i>) 	CA, OR	Survey, tag, genetic research	Capture, handle, insert PIT tags, collect tissue, and release	New
TE-817397	John Storrer, Santa Barbara, California	<ul style="list-style-type: none"> • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) 	CA	Survey and collect tissue	Capture, handle, collect tissue, and release	Renew

		(<i>Ambystoma californiense</i>)				
TE-02474D	Gaylene Tupen, Lincoln, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey and educational workshops	Capture, handle, release, and collect vouchers	New
TE-02478D	Jennifer. Jackson, Imperial Beach, California	<ul style="list-style-type: none"> • California least tern (<i>Sternula antillarum browni</i>) (<i>Sterna a. browni</i>) 	CA	Nest monitoring	Nest Monitoring	New
TE-02480D	Bargas Environmental Consulting, Sacramento, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-081298	Daniel Weinberg, Albany, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta</i> 	CA	Survey	Capture, handle, release, and collect vouchers	Renew

		<i>sandiegonensis</i>), <ul style="list-style-type: none"> • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), • California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>) 				
TE-02481D	Anna Godinho, Oakhurst, California	<ul style="list-style-type: none"> • Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>), • Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>) 	CA	Survey	Capture, handle, and release	New
TE-02538D	Gregory Wattley, Pittsburg, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	New
TE-041668	Cleveland National Forest,	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax</i> 	CA	Survey, nest monitoring, and	Survey, nest monitoring,	Renew

	San Diego, California	<ul style="list-style-type: none"> <i>traillii extimus</i>), • Least Bell's vireo (<i>Vireo belli pusillus</i>), • Arroyo toad (arroyo southwestern) (<i>Anaxyrus californicus</i>), • <i>Dodecahema leptoceras</i> (slender-horned spineflower), • <i>Allium munzii</i> (Munz's onion), • <i>Astragalus brauntonii</i> (Braunton's milkvetch), • <i>Berberis nevinii</i> (Nevin's barberry), • <i>Eryngium aristulatum</i> var. <i>parishii</i> (San Diego button celery), • <i>Poa atropurpurea</i> (San Bernardino bluegrass) 		plant collection	and plant collection	
TE-745541	SJM Biological Consultants, Flagstaff, Arizona	<ul style="list-style-type: none"> • San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>), • Stephens' kangaroo rat (<i>Dipodomys stephensi</i>), • Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>), • Amargosa vole (<i>Microtus californicus scirpensis</i>), 	CA	Survey	Capture, handle, and release	Renew

		<ul style="list-style-type: none"> • Yuma clapper rail (Yuma Ridgway's r.) (<i>Rallus longirostris yumanensis</i>) (<i>R. obsoletus</i> y.) 				
TE-094642	Brad Shaffer, Los Angeles, California	<ul style="list-style-type: none"> • California tiger salamander (Santa Barbara County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>) 	CA	Genetic research and mesocosm study	Collect eggs, sacrifice, collect tissue, and PIT tag	Amend
TE-64146A	Patricia Valcarcel, San Francisco, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>), • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>), • Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) 	CA	Survey	Capture, handle, release, and collect vouchers	Amend
TE-797267	Triple HS, Inc., Los Gatos, California	<ul style="list-style-type: none"> • Giant kangaroo rat (<i>Dipodomys ingens</i>) 	CA	Habitat restoration	Capture, temporarily hold in captivity, and release	Amend
TE-62708B	Mary Halterman, Onyx, California	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey	Survey	Renew and Amend
TE-53771B	Erin Bergman, La	<ul style="list-style-type: none"> • El Segundo blue butterfly 	CA	Survey	Survey	Amend

	Mesa, California	<i>(Euphilotes battoides allyni)</i>				
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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 of organizations or businesses, will be made available for public disclosure in their entirety.

Next Steps

If we decide to issue permits to any of the applicants listed in this notice, we will publish a notice in the *Federal Register*.

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,
Acting Regional Director,
Pacific Southwest Region,
Sacramento, California.
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