



DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS-R8-ES-2022-N045; FXES11130800000-223-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., **XXXXXX** or **PER0001234**).

- *Email:* permitsR8ES@fws.gov.
- *U.S. Mail:* Susie Tharratt, Regional Recovery Permit Coordinator, U.S.

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

FOR FURTHER INFORMATION CONTACT: Susie Tharratt, via phone at 916-414-6561, 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 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	Take activity	Permit Action
080779	Melissa Busby, San Diego, California	<ul style="list-style-type: none"> • 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>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey by pursuit; capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew
148555	Phillip Brylski, Irvine, CA	<ul style="list-style-type: none"> • Fresno kangaroo-rat (<i>Dipodomys nitratoides exilis</i>) • Giant kangaroo-rat (<i>Dipodomys ingens</i>) • Tipton kangaroo-rat (<i>Dipodomys nitratoides nitratoides</i>) • San Bernardino kangaroo-rat (<i>Dipodomys merriami parvus</i>) • Stephen's kangaroo-rat (<i>Dipodomys stephensi</i>) • Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>) • Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>) • Amargosa vole (<i>Microtus californicus scirpensis</i>) 	CA	Survey, capture, handle, and release	Renew
85618B	Biological Resources Services, LLC., Folsom, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release	Renew

PER0036109	Sarah Flaherty, Berkeley, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release	New
17211C	Zoological Society of San Diego, San Diego, California	<ul style="list-style-type: none"> • San Diego ambrosia (<i>Ambrosia pumila</i>) • Salt marsh bird's beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>) • Mexican flannelbush (<i>Fremontodendron mexicanum</i>) • California Orcutt grass (<i>Orcuttia californica</i>) • San Diego mesa-mint (<i>Pogogyne abramsii</i>) • San Diego button-celery (<i>Eryngium aristulatum</i> var. <i>parishii</i>) • Willowy monardella (<i>Monardella viminea</i>) 	CA	Collect herbarium and genetic samples, conduct establishment and maintenance of a living collection or seed bank, conduct propagation, conduct pollination, and do genetic research	Renew and amend
64546A	Power Engineers, Inc., Hailey, Idaho	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA, NV, NM, AZ, TX, CO, UT	Play recorded vocalizations	Renew and amend
PER0050068	David Jacobs, Los Angeles, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey, capture, handle, measure, relocate, release, collect voucher specimens	New
PER0050163	Anderson Tate-Montenegro, Sacramento, 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, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New

PER0050168	Nicolette Murphey, Tehachapi, 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, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New
PER0050169	Tanner Lichty, Orangevale, 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, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New
068745	Jeffery Wilcox, Vallejo, California	• California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments	CA	Survey, capture, handle, collect tail tissue, and release	Renew
799570	Carol Witham, Sacramento, 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>) • Solano grass (<i>Tuctoria mucronata</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, collect branchiopod cysts, conduct training workshops to non-permitted individuals, remove and reduce to possession from lands under Federal jurisdiction	New
012973	ECORP Consulting, Inc., Rocklin, California	<ul style="list-style-type: none"> • Giant kangaroo-rat (<i>Dipodomys ingens</i>) • San Bernardino Merriam's kangaroo-rat (<i>Dipodomys merriami parvus</i>) • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, collect branchiopod cysts, process vernal pool soil samples, and culture and hatch out	Renew

		<ul style="list-style-type: none"> • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments • Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>) 		branchiopod resting eggs for species identification	
62868B	The Klamath Tribes, Chloquin, Oregon	<ul style="list-style-type: none"> • Shortnose sucker (<i>Chasmistes brevirostris</i>) • Lost River sucker (<i>Deltistes luxatus</i>) 	OR	Survey, trap, capture, handle, mark, collect tissue samples, collect gametes, collect and rear in captivity, relocate/reintroduce, sacrifice, and release	Amend
98536C	Stillwater Sciences, Berkeley, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release	Amend
837448	Douglas Allen, San Diego, 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>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Survey by pursuit, survey capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew

19906C	Ross Taylor, McKinleyville, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey, capture, handle, measure, relocate, release, collect voucher specimens	Renew
009018	Rancho Santa Ana Botanical Garden, Claremont, California	<ul style="list-style-type: none"> • San Mateo thornmint (<i>Acanthomintha obovata</i> ssp. <i>duttonii</i>) • Munz's onion (<i>Allium munzii</i>) • Sonoma alopecurus (<i>Alopecurus aequalis</i> var. <i>sonomensis</i>) • San Diego ambrosia (<i>Ambrosia pumila</i>) • Large-flowered fiddleneck (<i>Amsinckia grandiflora</i>) • McDonald's rock-cress (<i>Arabis mcdonaldiana</i>) • Santa Rosa Island manzanita (<i>Arctostaphylos confertiflora</i>) • Del Mar manzanita (<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>) • Presidio manzanita (<i>Arctostaphylos hookeri</i> var. <i>ravenii</i>) • Marsh sandwort (<i>Arenaria paludicola</i>) • Cushenbury milk-vetch (<i>Astragalus albens</i>) • Braunton's milk-vetch (<i>Astragalus brauntonii</i>) • Clara Hunt's milk-vetch (<i>Astragalus clarianus</i>) • Lane Mountain milk-vetch (<i>Astragalus jaegerianus</i>) 	CA, NV	Remove/reduce to possession from lands under Federal jurisdiction, collect herbarium and genetic samples, carry out establishment and maintenance of a living collection or seed bank, conduct propagation, conduct pollination, and do genetic research	Renew and amend

		<ul style="list-style-type: none">• Coachella Valley milk-vetch (<i>Astragalus lentiginosus</i> var. <i>coachellae</i>)• Ventura Marsh milk-vetch (<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>)• Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>)• Triple-ribbed milk-vetch (<i>Astragalus tricarinatus</i>)• San Jacinto Valley crownscale (<i>Atriplex coronata</i> var. <i>notatior</i>)• Nevin's barberry (<i>Berberis nevinii</i>)• Island barberry (<i>Berberis pinnata</i> ssp. <i>insularis</i>)• Sonoma sunshine (<i>Blennosperma bakeri</i>)• Hoffmann's rock-cress (<i>Arabis hoffmannii</i>)• Stebbins' morning-glory (<i>Calystegia stebbinsii</i>)• White sedge (<i>Carex albida</i>)• Tiburon paintbrush (<i>Castilleja affinis</i> ssp. <i>neglecta</i>)• Soft-leaved paintbrush (<i>Castilleja mollis</i>)• California jewelflower (<i>Caulanthus californicus</i>)• Coyote ceanothus (<i>Ceanothus ferrisae</i>)• Pine Hill ceanothus (<i>Ceanothus roderickii</i>)• Catalina Island mountain-mahogany (<i>Cercocarpus traskiae</i>)		
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		<ul style="list-style-type: none">• Howell's spineflower (<i>Chorizanthe howellii</i>)• Orcutt's spineflower (<i>Chorizanthe orcuttiana</i>)• Ben Lomond spineflower (<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>)• Scotts Valley spineflower (<i>Chorizanthe robusta</i> var. <i>hartwegii</i>)• Robust spineflower (<i>Chorizanthe robusta</i> var. <i>robusta</i>)• Sonoma spineflower (<i>Chorizanthe valida</i>)• Fountain thistle (<i>Cirsium fontinale</i> var. <i>fontinale</i>)• Chorro Creek bog thistle thistle (<i>Cirsium fontinale</i> var. <i>obispoense</i>)• Suisun thistle (<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>)• La Graciosa thistle (<i>Cirsium loncholepis</i>)• Presidio clarkia (<i>Clarkia franciscana</i>)• Vine Hill clarkia (<i>Clarkia imbricata</i>)• Pismo clarkia (<i>Clarkia speciosa</i> ssp. <i>immaculata</i>)• Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)• Soft bird's beak (<i>Cordylanthus mollis</i> ssp. <i>mollis</i>)• Palmate-bracted bird's-beak (<i>Cordylanthus palmatus</i>)		
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		<ul style="list-style-type: none"> • Pennell's bird's-beak (<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>) • Gaviota tarplant (<i>Deinandra increscens</i> ssp. <i>villosa</i>) • Baker's larkspur (<i>Delphinium bakeri</i>) • Yellow larkspur (<i>Delphinium luteum</i>) • San Clemente Island larkspur larkspur (<i>Delphinium variegatum</i> ssp. <i>kinkiense</i>) • Slender-horned spineflower (<i>Dodecahema leptoceras</i>) • Santa Clara Valley dudleya (<i>Dudleya setchellii</i>) • Kern mallow (<i>Eremalche kernensis</i>) • Santa Ana River woolly-star (<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>) • Indian Knob mountainbalm (<i>Eriodictyon altissimum</i>) • Lompoc yerba santa (<i>Eriodictyon capitatum</i>) • Ione (incl. Irish Hill) buckwheat (<i>Eriogonum apricum</i> [incl. var. <i>prostratum</i>]) • Cushenbury buckwheat (<i>Eriogonum ovalifolium</i> var. <i>vineum</i>) • San Mateo woolly sunflower (<i>Eriophyllum latilobum</i>) • San Diego button-celery (<i>Eryngium aristulatum</i> var. <i>parishii</i>) 			
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		<ul style="list-style-type: none"> • Loch Lomond coyote thistle (<i>Eryngium constancei</i>) • Contra Costa wallflower (<i>Erysimum capitatum</i> var. <i>angustatum</i>) • Menzies' wallflower (<i>Erysimum menziesii</i>) • Ben Lomond wallflower (<i>Erysimum teretifolium</i>) • Pine Hill flannelbush (<i>Fremontodendron californicum</i> ssp. <i>decumbens</i>) • Mexican flannelbush (<i>Fremontodendron mexicanum</i>) • Island bedstraw (<i>Galium buxifolium</i>) • El Dorado bedstraw (<i>Galium californicum</i> ssp. <i>sierrae</i>) • Monterey gilia (<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>) • Hoffmann's slender-flowered gilia (<i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i>) • Burke's goldfields (<i>Lasthenia burkei</i>) • Contra Costa goldfields (<i>Lasthenia conjugens</i>) • San Francisco lessingia (<i>Lessingia germanorum</i> [=L.g. var. <i>germanorum</i>]) • Western lily (<i>Lilium occidentale</i>) • Pitkin marsh lily (<i>Lilium pardalinum</i> ssp. <i>pitkinense</i>) 		
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		<ul style="list-style-type: none"> • Butte County meadowfoam (<i>Limnanthes floccosa</i> ssp. <i>californica</i>) • Sebastopol meadowfoam (<i>Limnanthes vinculans</i>) • San Clemente Island woodland-star (<i>Lithophragma maximum</i>) • Clover (Tidestrom's) lupine (<i>Lupinus tidestromii</i>) • Nipomo Mesa lupine (<i>Lupinus nipomensis</i>) • San Clemente Island bush- mallow (<i>Malacothamnus clementinus</i>) • Santa Cruz Island bush- mallow (<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i>) • Santa Cruz Island malacothrix (<i>Malacothrix indecora</i>) • Island malacothrix (<i>Malacothrix squalida</i>) • Willowy monardella (<i>Monardella viminea</i>) • San Joaquin woolly-threads (<i>Monolopia [=Lembertia] congdonii</i>) • Few-flowered navarretia (<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> [=<i>N. pauciflora</i>]) • Many-flowered navarretia (<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>) • Amargosa niterwort (<i>Nitrophila mohavensis</i>) • California Orcutt grass (<i>Orcuttia californica</i>) 			
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		<ul style="list-style-type: none"> • Antioch Dunes evening-primrose (<i>Oenothera deltoides</i> ssp. <i>howellii</i>) • Hairy Orcutt grass (<i>Orcuttia pilosa</i>) • Cushenbury oxytheca (<i>Oxytheca parishii</i> var. <i>goodmaniana</i>) • White-rayed pentachaeta (<i>Pentachaeta bellidiflora</i>) • Lyon's pentachaeta (<i>Pentachaeta lyonii</i>) • Island phacelia (<i>Phacelia insularis</i> ssp. <i>insularis</i>) • Yreka phlox (<i>Phlox hirsuta</i>) • Yadon's piperia (<i>Piperia yadonii</i>) • Calistoga allocarya (<i>Plagiobothrys strictus</i>) • San Bernardino bluegrass (<i>Poa atropurpurea</i>) • Napa bluegrass (<i>Poa napensis</i>) • San Diego mesa-mint (<i>Pogogyne abramsii</i>) • Otay mesa-mint (<i>Pogogyne nudiuscula</i>) • Scotts Valley polygonum (<i>Polygonum hickmanii</i>) • Hickman's potentilla (<i>Potentilla hickmanii</i>) • Gambel's watercress (<i>Rorippa gambellii</i>) • Lake County stonecrop (<i>Parvisedum leiocarpum</i>) • Santa Cruz Island rockcress (<i>Sibara filifolia</i>) 			
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		<ul style="list-style-type: none"> • Keck’s checker-mallow (<i>Sidalcea keckii</i>) • Kenwood marsh checker-mallow (<i>Sidalcea oregana</i> ssp. <i>valida</i>) • Pedate checker-mallow (<i>Sidalcea pedata</i>) • Metcalf Canyon jewelflower (<i>Streptanthus albidus</i> ssp. <i>albidus</i>) • Tiburon jewelflower (<i>Streptanthus niger</i>) • California seablite (<i>Suaeda californica</i>) • California taraxacum (<i>Taraxacum californicum</i>) • Slender-petaled mustard (<i>Thelypodium stenopetalum</i>) • Santa Cruz Island fringe-pod (<i>Thysanocarpus conchuliferus</i>) • Kneeland Prairie penny-cress (<i>Thlaspi californicum</i>) • Showy Indian clover (<i>Trifolium amoenum</i>) • Monterey clover (<i>Trifolium trichocalyx</i>) • Greene’s tuctoria (<i>Tuctoria greenei</i>) • Solano grass (<i>Tuctoria mucronata</i>) • Santa Barbara Island liveforever (<i>Dudleya traskiae</i>) • Hartweg’s golden sunburst (<i>Pseudobahia bahiifolia</i>) 			
068072	Philippe Vergne, Boulder, Colorado	<ul style="list-style-type: none"> • Stephen’s kangaroo-rat (<i>Dipodomys stephensi</i>) 	CA	Survey, capture, handle, and release	Renew

		<ul style="list-style-type: none">• Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>)• Salt marsh harvest mouse (<i>Reithrodontomys raviventris</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 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.*).

Peter Erickson,

*Acting Regional Ecological Services Program Manager,
Pacific Southwest Region,
Sacramento, California.*

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