



Billing Code 4333–15

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS–R4–ES–2018–N072; FXES11140400000–189–FF04E000000]

Endangered Species; Recovery Permit Applications

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of receipt of permit applications; request for comment.

SUMMARY: We, the U.S. Fish and Wildlife Service, invite the public to comment on the following applications to conduct certain activities with endangered species. With some exceptions, the Endangered Species Act (ESA) prohibits activities with listed species unless a Federal permit is issued that allows such activities. The ESA requires that we invite public comment before issuing these permits.

DATES: We must receive written data or comments on the applications at the address given in **ADDRESSES** by [INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: *Reviewing Documents:* Documents and other information submitted with the applications are available for review, subject to the requirements of the Privacy Act and Freedom of Information Act. Submit a request for a copy of such documents to Karen Marlowe, 404–679–7097 (telephone) or 404–679–7081 (fax); karen_marlowe@fws.gov.

Submitting Comments: If you wish to comment, you may submit comments by any one of the following methods:

- *U.S. mail or hand-delivery:* U.S. Fish and Wildlife Service Regional Office, Ecological Services, 1875 Century Boulevard, Atlanta, GA 30345 (Attn: Karen Marlowe, Permit Coordinator).
- *Email:* permitsR4ES@fws.gov. Please include your name and return address in your email message. If you do not receive a confirmation from the U.S. Fish and Wildlife Service that we have received your email message, contact us directly at the telephone number listed in **FOR FURTHER INFORMATION CONTACT**.

FOR FURTHER INFORMATION CONTACT: Karen Marlowe, Permit Coordinator, 404–679–7097 (telephone) or 404–679–7081 (fax).

SUPPLEMENTARY INFORMATION: We invite review and comment from local, State, and Federal agencies and the public on applications we have received for permits to conduct certain activities with endangered and threatened species under section 10(a)(1)(A) of the Endangered Species Act of 1973, as amended (ESA; 16 U.S.C. 1531 *et seq.*), and our regulations in the Code of Federal Regulations (CFR) at 50 CFR part 17.

With some exceptions, the ESA prohibits activities that constitute take of listed species unless a Federal permit is issued that allows such activities. The ESA's definition of "take" includes hunting, shooting, harming, wounding, or killing and also such activities as pursuing, harassing, trapping, capturing, or collecting.

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 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.

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 ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

Permit Application Number	Applicant	Species/Numbers	Location	Activity	Type of Take	Permit Action
TE 065972-2	U.S. Forest Service, Russellville, AR	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), northern long-eared bat (<i>M. septentrionalis</i>), Ozark big-eared bat (<i>Corynorhinus</i> (= <i>Plecotus</i>) <i>townsendii ingens</i>), and American burying beetle (<i>Nicrophorus americanus</i>)	Ozark-St. Francis National Forest lands, Arkansas	Presence/absence surveys	Bats: Enter hibernacula and maternity roost caves, capture with mist nets, handle, identify, and release. American burying beetle: live-trap and release.	Renewal and Amendment
TE 171493-2	Memphis Zoo, Memphis, TN	Dusky gopher frog (<i>Rana sevosa</i>)	In captivity at Memphis Zoo, Memphis, TN; Toronto Zoo, Ontario, Canada; and, Omaha's Henry Doorly Zoo, Omaha, NE. In the wild in Harrison County, Mississippi.	Genetic diversity study of captive frogs and post-release survival and movement of captive-bred frogs.	Collect toe clips from captive-bred frogs; attach radio-transmitters to monitor post-release survival and movements of captive-bred metamorphs.	Renewal and Amendment
TE 237535-3	Bok Tower Gardens, Lake	<i>Dicerandra christmanii</i>	Lake Wales National Wildlife Refuge, Florida.	<i>Ex situ</i> seed banking,	Remove and reduce to	Renewal

	Wales, FL	(Garrett's mint), <i>Warea carteri</i> (Carter's mustard), and <i>Lupinus</i> <i>aridorum</i> (Scrub lupine)		artificial propagation, seed germination and storage research, and population augmentation.	possession (collect) seeds and leaves.	
TE 53149B-2	Hans Otto, Tucson, AZ	Gray bat (<i>Myotis</i> <i>grisescens</i>), Indiana bat (<i>M. sodalis</i>), Northern long- eared bat (<i>M.</i> <i>septentrionalis</i>), Ozark big-eared bat (<i>Corynorhinus</i> <i>townsendii ingens</i>), Virginia big-eared bat (<i>C. t.</i> <i>virginianus</i>), Lesser long-nosed bat (<i>Leptonycteris</i> <i>curasoae</i> <i>yerbabuena</i>), and New Mexico meadow jumping mouse (<i>Zapus</i> <i>hudsonius luteus</i>)	Alabama, Arizona, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.	Presence/ absence surveys and scientific research.	Lesser long-nosed bat: mist-net, harp trap, hand-net, band, radio-tag, light tag, collect hair samples, collect oral swabs, and wing punch. Other bats: enter hibernacula or maternity roost caves, salvage dead bats, capture with mist nets or harp traps, handle, identify, collect hair samples, band, radio tag, light tag, collect fecal material, apply fungal lift tape, swab, and wing punch. New	Renewal

					Mexico jumping mouse: live-trap, handle, and release.	
TE 41910B-2	Scott Rush, Mississippi State University, Starkville, MS	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), Northern long-eared bat (<i>M. septentrionalis</i>), and Gopher tortoise (<i>Gopherus polyphemus</i>)	Alabama, Louisiana, Mississippi, and Tennessee.	Presence/absence surveys and scientific research.	Bats: Capture with mist nets or harp traps, handle, identify, and collect hair samples. Gopher tortoise: scope burrows, capture, handle, mark, attach transmitters, and attach GPS loggers.	Renewal and Amendment.
TE 75551C-0	Phillip Arant, Lexington, KY	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), and Northern long-eared bat (<i>M. septentrionalis</i>)	Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota,	Presence/absence surveys.	Capture with mist-nets or harp traps, handle, identify, band, and radio-tag.	New

			Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.			
TE 54578B-2	Mary Frazer, Raleigh, NC	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), Northern long-eared bat (<i>M. septentrionalis</i>), and Virginia big-eared bat (<i>Corynorhinus townsendii virginianus</i>)	Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.	Presence/absence surveys, studies to document habitat use, population monitoring, and to evaluate potential impacts of white-nose syndrome or other threats.	Enter hibernacula or maternity roost caves, salvage dead bats, capture with mist nets or harp traps, handle, identify, collect hair samples, band, radio tag, light-tag, and wing-punch.	Renewal
TE 63633A-5	Biodiversity Research Institute, Portland, ME	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), and Northern long-eared bat (<i>M. septentrionalis</i>)	Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri,	Presence/absence surveys, studies to document habitat use, population monitoring, and to evaluate	Enter hibernacula or maternity roost caves, salvage dead bats, capture with mist nets or harp traps, handle, identify, collect hair samples, band, radio tag,	Renewal

			Montana, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.	potential impacts of white-nose syndrome or other threats.	and wing-punch.	
TE 75560C-0	Jeffrey Hawkins, Richmond, KY	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), Northern long-eared bat (<i>M. septentrionalis</i>), Ozark big-eared bat (<i>Corynorhinus townsendii ingens</i>), Virginia big-eared bat (<i>C. t. virginianus</i>), blackside dace (<i>Phoxinus cumberlandensis</i>), and 36 species of freshwater mussels.	Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.	Presence/absence surveys, studies to document habitat use, population monitoring, and to evaluate potential impacts of white-nose syndrome or other threats.	Bats: Enter hibernacula or maternity roost caves, salvage dead bats, capture with mist nets or harp traps, handle, identify, collect hair samples, band, radio tag, light-tag, swab, and wing-punch. Fish and Mussels: Capture, identify, and release.	New
TE 76455C-0	North Carolina State University,	Bartram's hairstreak butterfly (<i>Strymon acis bartrami</i>),	Florida	Scientific research on survival rates	Locate eggs, monitor and measure	New

	Raleigh, NC	Florida leafwing butterfly (<i>Anaea troglodyta floridalis</i>), Miami blue butterfly (<i>Cyclargus</i> (= <i>Hemiargus</i>) <i>thomasi bethunebakeri</i>), and Schaus swallowtail butterfly (<i>Heraclides aristodemus ponceanus</i>)		of various life stages.	caterpillars, enclose host plants, release emerging butterflies, and salvage of parasitized eggs and larvae.	
TE 77197C-0	U.S. Army Corps of Engineers, Little Rock, AR	American burying beetle (<i>Nicrophorus americanus</i>)	Logan County, Arkansas	Presence/absence surveys and population monitoring.	Live-trap and release.	New
TE 77472C-0	Stream Techs, LLC, Athens, GA	Amber darter (<i>Percina antesella</i>), Etowah darter (<i>Etheostoma etowahae</i>), Gulf moccasinshell (<i>Medionidus penicillatus</i>), Oval	Georgia	Presence/absence surveys.	Capture, handle, identify, and release.	New

		pigtoe (<i>Pleurobema pyriforme</i>), and Shinyrayed pocketbook (<i>Lampsilis subangulata</i>)				
TE 88797B-1	Amber Nolder, Luthersburg, PA	Gray bat (<i>Myotis grisescens</i>)	Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Mississippi, Missouri, North Carolina, Oklahoma, Tennessee, Virginia, and West Virginia.	Presence/absence surveys and studies to document habitat use.	Capture with mist nets and harp traps, handle, identify, band, mark with non-toxic paint, and radio-tag.	Amendment
TE 824723-10	Reed Bowman, Archbold Biological Station, Venus, FL	Florida grasshopper sparrow (<i>Ammodramus savannarum floridanus</i>)	Florida	Predator control, nest monitoring, disease screening, emergency actions associated with severe weather, and captive propagation.	Fire ant control around nest sites, installation of predator exclusion fences on nests, installation of nest cameras, collection of blood samples, raising nests to reduce mortality associated with flooding, cross-fostering of eggs and nestlings, and collection of eggs, nestlings, juveniles, and	Amendment

					adults.	
TE 78383C-0	Joel Casto, Crawfordville, FL	Red-cockaded woodpecker (<i>Picoides borealis</i>)	Apalachicola National Forest Florida	Population monitoring, population management, and translocation.	Capture, band, translocate, monitor nest cavities, install and monitor artificial nest cavities, and install restrictors.	New
TE 32397A-3	James Godwin, Auburn University, Auburn, AL	Black Warrior waterdog (<i>Necturus alabamensis</i>)	Alabama	Presence/ absence surveys, genetic analyses, population analysis.	Capture, handle, identify, and collect tissue sample (tail tip)	Amendment
TE 37886B-1	Civil & Environmental Consultants, Inc., Franklin, TN	Nashville crayfish (<i>Orconectes shoupi</i>)	Tennessee	Presence/ absence surveys	Capture, handle, identify, and release.	Renewal
TE 096554-4	James Robinson, Lexington, KY	Blackside dace (<i>Phoxinus cumberlandensis</i>), Cumberland darter (<i>Etheostoma susanae</i>), and Kentucky arrow darter (<i>Etheostoma spilotum</i>)	Kentucky and Tennessee	Presence/ absence surveys	Capture, handle, identify, and release.	Renewal and Amendment
TE 100012-3	Michael	Green sea turtle	Baldwin and Mobile	Monitor and	Locate, monitor,	Renewal

	Reynolds, Share the Beach, Gulf Shores, AL	(<i>Chelonia mydas</i>), Kemp's ridley sea turtle (<i>Lepidochelys kemp</i>), and Loggerhead sea turtle (<i>Caretta caretta</i>)	Counties, Alabama	protect nests.	excavate, and relocate nests; temporarily retain nestlings; and, release nestlings.	
TE 102418-3	Florida Army National Guard, Starke, FL	Red-cockaded woodpecker (<i>Picoides borealis</i>), Eastern indigo snake (<i>Drymarchon corais couperi</i>)	Camp Blanding Joint Training Center, Starke, FL	Presence/absence surveys and population management	Red-cockaded woodpecker: Monitor nest cavities, capture, band, release, and install artificial nest cavities. Eastern indigo snake: Scope burrows, capture, handle, and release.	Renewal and Amendment
TE 002507-6	Florida Forest Service, Brooksville, FL	Red-cockaded woodpecker (<i>Picoides borealis</i>)	Florida	Population management and monitoring	Capture, band, translocate, monitor nest cavities, construct and monitor artificial nest cavities and restrictors.	Renewal.
TE 81202C-0	Michael Maltba, Whitesburg, KY	Gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>M. sodalis</i>), and Northern long-	Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas,	Presence/absence surveys and studies to	Enter hibernacula and maternity roost caves, salvage dead bats,	New

		eared bat (<i>M. septentrionalis</i>)	Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin.	document habitat use.	capture with mist nets and harp traps, handle, band, radio-tag, collect hair samples, wing-punch, and light-tag.	
TE 142294-5	William Holimon, Little Rock, AR	Red-cockaded woodpecker (<i>Picoides borealis</i>)	Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, and Texas.	Population management and monitoring	Capture, band, monitor nest cavities, construct and monitor artificial nest cavities and restrictors, and translocate.	Renewal
TE 027344-3	Chattahoochee-Oconee National Forest, Monticello, GA	Red-cockaded woodpecker (<i>Picoides borealis</i>)	Chattahoochee-Oconee National Forest, Georgia	Population management and monitoring	Monitor nest cavities, and construct and monitor artificial nest cavities and restrictors.	Renewal
TE 84861C-0	Power South Energy Cooperative, Andalusia, AL	Choctaw bean (<i>Villosa choctawensis</i>), fuzzy pigtoe	Alabama	Presence/absence surveys	Remove from the substrate, handle, identify, return to substrate, and	New

		(<i>Pleurobema strodeanum</i>), narrow pigtoe (<i>Fusconaia escambia</i>), southern kidneyshell (<i>Ptychobranhus jonesi</i>), and southern sandshell (<i>Hamiota australis</i>)			salvage relic shells.	
TE 61981B-3	The Peregrine Fund, Boise, ID	Puerto Rican sharp-shinned hawk (<i>Accipiter striatus venator</i>)	Puerto Rico	Captive propagation and reintroduction	Collect eggs and nestlings for captive propagation	Amendment

Authority:

We provide this notice under the authority of section 10(c) of the ESA.

Aaron Valenta,

*Acting Assistant Regional Director,
Ecological Services, Southeast Region.*

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