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VIA EMAIL AND CERTIFIED MAIL

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RE: Sixty-day Notice of Intent to Sue for of Violations of the Endangered Species Act

Dear Secretary Bernhardt:

The Center for Biological Diversity hereby notifies you that we intend to file a lawsuit against the U.S. Department of Interior and U.S. Fish and Wildlife Service (“the Service”) for violating the Endangered Species Act (“ESA”) and repeatedly failing to complete the Service’s own National Listing Workplan and annual workloads. In 2016, the Service developed a seven-year [workplan](#) to partially address a backlog of more than 500 species awaiting 12-month determinations of whether they warrant listing as threatened or endangered. The Service has supplemented this workplan with an annual workload, including final listings and designation of critical habitat.

This workplan was informed by a scientific prioritization process and included input from stakeholders including the state fish and game agencies. Despite widespread support for the workplan, the Trump administration has consistently failed to make the findings required in the workplan. The Service failed to make findings for 30 species in fiscal year 2017, 78 species in fiscal year 2018 and 46 species in fiscal year 2019. Overall, the Trump administration has listed just 19 species for an average of only 7 species per year. By comparison, the Obama administration listed 360 species for a rate of 45 species per year and the Clinton administration listed 523 species for a rate of 65 species per year. Accordingly, it is necessary to compel the Service to follow its own workplan for 2020-2023 to prevent further delays in listing of species and the resulting increased risk of extinction.

Specifically, we are noticing the Service’s failure to issue 12-month findings on petitions to list 250 species as threatened or endangered under the ESA, 16 U.S.C. § 1533(b)(3)(B), its failure to



finalize listing for eight species, its failure to propose or finalize designation of critical habitat for six species and the continued delay for protection for ten species currently considered warranted but precluded for listing (“candidate species”) despite failing to make expeditious progress in listing of species. We provide this letter pursuant to the ESA’s citizen suit provision, and we intend to seek a judicial order to compel the Service’s action if the Service does not remedy these violations within the next 60 days. *Id.* § 1540(g)(2)(C).

Findings for the 274 species included in this notice are already past the deadlines established by the Endangered Species Act in most cases by more than five years. Further delay of protection for these species, which is likely under the Trump administration, will only heighten their risk of extinction and make recovery more difficult and expensive. Indeed, since passage of the Act in 1973, at least 47 species have gone extinct waiting for protection.¹

We file this notice in an effort to ensure these species receive timely consideration for protection needed for their very survival and to ensure that the Service’s listing program continues to improve and move forward in its efforts to protect imperiled species in the United States. Lawsuits from conservation groups and other interested parties have played a key role in speeding protection for imperiled species. Indeed, a recent peer reviewed study found that lawsuits both targeted species that were stuck in the process and sped listing of those species.² A separate study in the prestigious journal *Science* found that species petitioned and litigated for listing faced a higher degree of biological threat than species solely identified by the Service, indicating that citizens also identified species truly in need of protection.³

A. The Endangered Species Act

Congress enacted the ESA in 1973, responding to growing concern over the loss of biodiversity from “economic growth and development untempered by adequate concern and conservation.” 16 U.S.C. § 1531(a). To that end, the ESA establishes a comprehensive statutory program to conserve imperiled species and their habitats. The ESA sets forth a process to identify species that are “endangered” or “threatened” with extinction. *Id.* § 1533(a), (b), and (c). The statute then generally bars the “take” of endangered species and further requires agencies to “utilize their authorities” to carry out “programs for the conservation” of listed species and ensure their actions do not jeopardize listed species’ continued existence. *Id.* §§ 1538(a); 1536(a). Congress described the listing process as “[t]he cornerstone of effective implementation” of the ESA. S. Rep. No. 418, 97th Cong., 2d Sess. at 10; *see also* H. Rep. No. 567, 97th Cong., 2d Sess. at 10 (describing section 4 of the ESA, 16 U.S.C. § 1533).

“Any interested person” may submit a petition to list a species under the ESA, 50 C.F.R. § 424.14(a), which triggers a series of mandatory deadlines for the Service, pursuant to ESA Section 4(b). 16 U.S.C. § 1533(b); *Friends of Animals v. Ashe*, 808 F.3d 900, 903 (D.C. Cir. 2015). Within 90 days of receiving a petition, the Service must determine whether the petition “presents substantial scientific or commercial information indicating that the petitioned action

¹ <http://www.biologicaldiversity.org/publications/papers/ExtinctAndESA.pdf>

² Puckett et al., 2016.

³ Brosi, B.J., Biber, E.G.N., 2012. Citizen involvement in the U.S. Endangered Species Act. *Science* 337, 802–803.



may be warranted.” 16 U.S.C. § 1533(b)(3)(A); 50 C.F.R. § 424.14(h)(1). If the Service makes a positive 90-day finding, the Service must conduct a full scientific review of the species’ status. 16 U.S.C. § 1533(b)(3)(A). Then, within 12 months of the date it receives the petition, the Service “shall” make one of three findings: (1) listing is not warranted; (2) listing is warranted; or (3) listing is warranted but presently precluded by other pending listing proposals, provided other circumstances are met. *Id.* § 1533(b)(3)(B); 50 C.F.R. § 424.14(h)(2). This is a hard deadline; the Service has no discretion to delay its finding past 12 months. *Id.* If the Service finds listing is warranted, the Service must promptly publish a proposed rule to list the species, 16 U.S.C. § 1533(b)(3)(B), with a final rule due within one year of that publication. *Id.* § 1533(b)(6). With limited exceptions, the Service is further required to designate critical habitat concurrently with issuance of a final rule determining a species to warrant listing. 16 U.S.C. §§ 1533(a)(3)(A)(i), (b)(6)(A).

The ESA allows the Secretary to find that listing of a species is warranted but precluded only if certain criteria are met, including: (1) the immediate proposal and timely promulgation of a final regulation implementing the petitioned action...is precluded by pending proposals to determine whether any species is an endangered species or a threatened species; and (2) expeditious progress is being made to add qualified species to either of the lists published under subsection (c) and to remove from such lists species for which the protections of the Act are no longer necessary. *Id.* § 1533(b)(3)(B).

B. The Service’s Legal Violations

For the 250 species awaiting 12-month findings, the Center and other interested parties filed petitions seeking Endangered Species Act protections and the Service has subsequently issued 90-day findings determining listing may be warranted under the ESA (Table 1). The ESA offers no discretion to delay past the one-year mark, *Friends of Animals*, 808 F.3d at 903, yet the Service has failed to issue timely 12-month findings for all the species included in this notice awaiting determinations of whether listing is warranted.

The Service has similarly failed to issue required findings finalizing listing or designating critical habitat for 14 species, as well as make proposed listing determinations for all ten candidate species despite not making expeditious progress to add species to the endangered species list (Table 1). Accordingly, the Service is in violation of the law and has abrogated its duty to ensure that protection of threatened and endangered species occurs in a timely manner to avoid further decline and increased risk of extinction.

If the Service does not make the required 12-month findings for those species awaiting a listing determination, or make the required determinations for the ten candidate species, or contact us to develop a legally binding timeline for making these findings within the next sixty days, we intend to file suit. Please contact me if you have any questions or if you would like to discuss this matter.



Sincerely,

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Table 1. 274 species awaiting decisions on their protection.

Species Name	Scientific	Action Type	Range
Alabama hickorynut	Obovaria unicolor	12M	AL, LA, MS, OK
Amargosa tryonia	Tryonia variegata	12M	CA, NV
American wolverine	Gulo gulo	Final Listing Determination	CA, CO, ID, MT, NV, NM, OR, UT, WA, WY
Apalachicola wild indigo	Baptisia megacarpa	12M	AL, FL, GA
Arizona toad	Anaxyrus microscaphus	12M	AZ, CA, NM, NV, UT
Ash Meadows pebblesnail	Pyrgulopsis erythropoma	12M	NV
Astylis sp. 1 (unnamed moth)	Astylis sp. 1	12M	AZ
Atlantic pigtoe	Fusconaia masoni	FLFCH	GA, NC, SC, VA
Avernus cave beetle	Pseudanophthalmus avernus	12M	VA
Big Bar hesperian	Vespericola pressleyi	12M	CA
big red sage	Salvia pentstemonoides	12M	TX
Big Thicket Texas emerald	Somatochlora margarita	12M	LA, TX
Bigcheek cave crayfish	Procambarus delicatus	12M	FL
Black Creek crayfish	Procambarus pictus	12M	FL
black rail	Laterallus jamaicensis	FL	AL, AR, FL, GA, LA, MS, NC, SC, TX, VA
black-capped petrel	Pterodroma hasitata	FL	FL, GA, SC, NC, PR, VA, VI
Blanco blind salamander	Eurycea robusta	12M	TX
Blanding's turtle	Emydoidea blandingii	12M	IA, IL, IN, MA, ME, MI, MN, MO, NE, NH, NY, OH, PA, SD, WI
Blueridge springfly	Remenus kirchneri	12M	VA
bluestone sculpin	Cottus sp.	12M	VA, WV
bluestripe darter	Percina cymatotaenia	12M	MO
bog spicebush	Lindera subcoriacea	12M	AL, FL, GA, LA, MS, NC, SC, VA
bracted twistflower	Streptanthus bracteatus	Proposed Listing Determination	TX
Brandagee's wild buckwheat	Eriogonum brandegeei	12M	CO



Brawley's Fork crayfish	<i>Cambarus williami</i>	12M	TN
Burrington jumping-slug	<i>Hemphillia burringtoni</i>	12M	OR, WA
bush pea	<i>Genistidium dumosum</i>	12M	TX, Mexico
bushy whitlow-wort	<i>Paronychia congesta</i>	12M	TX
Caddo madtom	<i>Noturus taylori</i>	12M	AR
candy darter	<i>Etheostoma osburni</i>	FCH	VA, WV
Cannulate Cave isopod	<i>Caecidotea cannula</i>	12M	WV
Cascade Caverns salamander	<i>Eurycea latitans</i>	12M	TX
Cascade torrent salamander	<i>Rhyacotriton cascadae</i>	12M	OR, WA
Cascades frog	<i>Rana cascadae</i>	12M	OR, WA
Chapin Mesa milkvetch	<i>Astragalus schmolliae</i>	Proposed Listing Determination	CO
Chelan Mountain snail	<i>Oreohelix n. sp</i>	12M	WA
Chesapeake logperch	<i>Percina bimaculata</i>	12M	MD, PA, VA
Chihuahua catfish	<i>Ictalurus sp.</i>	12M	TX
Chisos coralroot	<i>Hexalectris revoluta</i>	12M	AZ, TX, Mexico
Chowanoke crayfish	<i>Orconectes virginianus</i>	12M	NC, VA
ciliate-leaf tickseed	<i>Coreopsis integrifolia</i>	12M	FL, GA, SC
Cisco milkvetch	<i>Astragalus sabulosus</i>	12M	UT
Clear Lake hitch	<i>Lavinia exilicauda chi</i>	12M	CA
coal darter	<i>Percina brevicauda</i>	12M/PLPCH	AL
Coastal Lowland cave crayfish	<i>Procambarus leitheuseri</i>	12M	FL
colorless shiner	<i>Notropis perpallidus</i>	12M	AR, OK
Columbia Oregonian snail	<i>Cryptomastix hendersoni</i>	12M	OR, WA
Columbia torrent salamander	<i>Rhyacotriton kezeri</i>	12M	OR, WA
Comal blind salamander	<i>Eurycea tridentifera</i>	12M	TX
Comal Springs salamander	<i>Eurycea sp.</i>	12M	TX
Cooper's Cave amphipod	<i>Stygobromus cooperi</i>	12M	WV
Correll's false dragonhead	<i>Physostegia correllii</i>	12M	LA, TX
crested riverlet crayfish	<i>Hobbseus cristatus</i>	12M	MS
crossroads cave beetle	<i>Pseudanopthalmus intersectus</i>	12M	VA
Crystal springsnail	<i>Pyrgulopsis crystalis</i>	12M	NV
Cumberland Gap Cave beetle	<i>Pseudanopthalmus hirsutus</i>	12M	TN, VA
Cumberland moccasinshell	<i>Medionidus conradicus</i>	12M	AL, GA, KY, NC, TN, VA
Dalles sideband snail	<i>Monadenia fidelis minor</i>	12M	OR, WA
Delaware County cave crayfish	<i>Cambarus subterraneus</i>	12M	OK
desert massasauga	<i>Sistrurus catenatus ssp. edwardsii</i>	12M	AZ, NM, CO, TX



distal-gland springsnail	Pyrgulopsis nanus	12M	NV
Dixie Valley toad	Bufo williamsi	12M/PLPCH	NV
Doll's daisy	Boltonia montana	12M	NJ, PA, VA
domed ancyliid	Rhodacme elatior	12M	AL, KY, TN
Donrichardsonia macroneuron (unnamed moss)	Donrichardsia macroneuron	12M	TX
Dry Fork Valley cave beetle	Pseudanophthalmus montanus	12M	WV
Dukes' skipper	Euphyes dukesi calhouni	12M	FL
eastern spotted skunk	Spilogale putorius interrupta	12M	AR, CO, MN, MO, NE, OK, SD, TX, WY
Edison's ascyrum	Hypericum edisonianum	12M	FL
Edwards Aquifer diving beetle	Haideoporus texanus	12M	TX
elongate-gland springsnail	Pyrgulopsis isolatus	12M	NV
evening fieldslug	Deroceras hesperium	12M	OR, WA
Fairbanks springsnail	Pyrgulopsis fairbanksensis	12M	NV
false spike	Fusconaia mitchelli	12M	TX
Ferris's copper	Lycaena ferrisi	12M	AZ
flat-topped steptoe pyrg	Pyrgulopsis planulata	12M	NV
Florida pine snake	Pituophis melanoleucus mugitus	12M	AL, FL, GA, SC
Florida pondweed	Potamogeton floridanus	12M	FL
Georgia blind salamander	Haideotriton wallacei	12M	FL, GA
Georgia bully (swamp buckhorn)	Sideroxylon thornei	12M/PLPCH	FL, GA
glowing Indian paintbrush	Castilleja ornata	12M	NM, MX
Godfrey's stitchwort	Minuartia godfreyi	12M	AL, FL, NC, SC, TN
golden-winged warbler	Vermivora chrysoptera	12M	AL, AR, CO, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, MA, MD, MI, MN, MO, MS, NC, ND, NE, NH, NJ, NY, OH, OK, PA, SC, SD, TN, TX, VA, VT, WI, WV
Graham's beardtongue	Penstemon grahamii	FL	UT
Great Basin silverspot	Speyeria nokomis nokomis	12M	AZ, CO, NM, UT
green floater	Lasmigona subviridis	12M	DC, MD, NC, NJ, NY, PA, TN, VA, WV
hairy-peduncled beaked-rush	Rhynchospora crinipes	12M/PLPCH	AL, FL, MS, NC
Hall's bulrush	Schoenoplectus hallii	12M	GA, IA, IL, IN, KS, KY, MA, MI, MO, NE, OK, SC, TX, WI
Hamlin Valley pyrg	Pyrgulopsis hamlinensis	12M	NV, UT
Harper's fimbriatylis	Fimbriatylis perpustakaan	12M	DE, GA, MD, NC, SC, TN, VA



hartwrightia	Hartwrightia floridana	12M	FL, GA
Heterocampa sp. 1 nr. Amanda	Heterocampa sp. 1 nr. Amanda	12M	AZ
Hoko vertigo	Vertigo n sp.1	12M	WA
Holsinger's cave beetle	Pseudanopthalmus holsingeri	12M	VA
Hubbard's cave beetle	Pseudanopthalmus hubbardi	12M	VA
Hubricht's cave beetle	Pseudanopthalmus hubrichti	12M	VA
Illinois chorus frog	Pseudacris illinoensis	12M	AR, IL, MO
Inyo Mountains salamander	Batrachoseps campi	12M	CA
Irons Fork burrowing crayfish	Procambarus reimeri	12M	AR
Island marble butterfly	Euchloe ausonides insulanus	FLFCH	WA
Isley milkvetch	Astragalus iselyi	12M	UT
Jackson prairie crayfish	Procambarus barbiger	12M	MS
karst snowfly	Allocapnia cunninghami	12M	KY, TN
Kentucky creekshell	Villosa ortmanni	12M	KY
Kern Canyon slender salamander	Batrachoseps simatus	12M	CA
Kern Plateau salamander	Batrachoseps robustus	12M	CA
Key ringneck snake	Diadophis punctatus acricus	12M	FL
Kiamachi crayfish	Orconectes saxatilis	12M	OK
Landyes pyrg	Pyrgulopsis landyei	12M	NV
Lassics lupine	Lupinus constancei	12M/PLPCH	CA
lesser slender salamander	Batrachoseps minor	12M	CA
limestone salamander	Hydromantes brunus	12M	CA
Litodonta sp. 1 nr. Alpina	Litodonta sp. 1 nr. Alpina	12M	AZ
Little Kennedy cave beetle	Pseudanopthalmus cordicollis	12M	VA
lobed roachfly	Tallaperla lobata	12M	VA
Logan's Agarodes caddisfly	Agarodes logani	12M	FL
longitudinal gland pyrg	Pyrgulopsis anguina	12M	NV, UT
longnose darter	Percina nasuta	12M	AR, OK, MO
Louisiana pigtoe	Pleurobema riddellii	12M	LA, TX
Louisiana pine snake	Pituophis ruthveni	PCH	LA, TX
lowland loosestrife	Lythrum flagellare	12M	FL
Maiden Spring cave beetle	Pseudanopthalmus virginicus	12M	VA
Mammoth Spring crayfish	Orconectes marchandi	12M	AR, MO
meadow joint-vetch	Aeschynomene pratensis	12M	FL



median-gland Nevada pyrg	<i>Pyrgulopsis pisteri</i>	12M	NV
Mexican fawnsfoot	<i>Truncilla cognata</i>	12M	TX
Miami cave crayfish	<i>Procambarus milleri</i>	12M	FL
mimic cavenail	<i>Phreatodrobia imitata</i>	12M	TX
Minute Cave amphipod	<i>Stygobromus parvus</i>	12M	WV
minute tryonia	<i>Tryonia ericae</i>	12M	NV
Morrison's Cave amphipod	<i>Stygobromus morrisoni</i>	12M	VA, WV
Mt. Rainer white-tailed ptarmigan	<i>Lagopus leucura rainierensis</i>	12M	WA
Narrow Cave (New River Valley Cave) beetle	<i>Pseudanopthalmus egberti</i>	12M	VA
narrow-foot hygrotus diving beetle <i>Hygrotus diversipes</i>	<i>Hygrotus diversipes</i>	12M	WY
yellow pond-lily	<i>Nuphar lutea</i> ssp. <i>sagittifolia</i>	12M	NC, SC, VA
Natural Bridge cave beetle	<i>Pseudanopthalmus pontis</i>	12M	VA
Navasota false foxglove	<i>Agalinis navasotensis</i>	12M	TX
neritiform Steptoe Ranch pyrg	<i>Pyrgulopsis neritella</i>	12M	NV
North Park bugseed	<i>Corispermum navicula</i>	12M	CO
northern cavefish	<i>Amblyopsis spelaea</i>	12M	IN, KY
northern red-bellied cooter (range-wide)	<i>Pseudemys rubriventris</i>	12M	DC, DE, MA, MD, NC, NJ, PA, VA, WV
northern spotted owl	<i>Strix occidentalis caurina</i>	12M/Uplisting	CA, OR, WA
northern Steptoe pyrg	<i>Pyrgulopsis serrata</i>	12M	NV
northwestern moose	<i>Alces alces andersoni</i>	12M	MI, MN, ND, WI
oblong rocksnail	<i>Leptoxis compacta</i>	12M/PLPCH	AL
Ocmulgee skullcap	<i>Scutellaria ocmulgee</i>	12M	GA, SC
Oklahoma cave crayfish	<i>Cambarus tartarus</i>	12M	OK
orange-fin madtom	<i>Noturus gilberti</i>	12M	NC, VA
Oregon vesper sparrow	<i>Poecetes gramineus</i> ssp. <i>affinis</i>	12M/PLPCH	CA, OR, WA
Ouachita burrowing crayfish	<i>Fallicambarus harpi</i>	12M	AR
overlooked cave beetle	<i>Pseudanopthalmus praetermissus</i>	12M	VA
Ozark chub	<i>Erimystax harrisi</i>	12M	AR, MO
Ozark shiner	<i>Notropis ozarcanus</i>	12M	AR, MO
Palatka skipper sawgrass or Knot's skipper	<i>Euphyes pilatka klotsi</i>	12M	FL
paleback darter	<i>Etheostoma pallididorsum</i>	12M	AR
Panama City crayfish	<i>Procambarus econfinae</i>	PCH	FL
Pecos pupfish	<i>Cyprinodon pecosensis</i>	12M	NM, TX



Penasco least chipmunk	<i>Neotamias minimus atristriatus</i>	Proposed Listing Determination	NM
Peppered chub	<i>Macrhybopsis tetranemus</i>	12M	CO, KA, NM, OK, TX
piebald madtom	<i>Noturus gladiator</i>	12M	MS, TN
Pinaleno talussnail	<i>Sonorella grahamensis</i>	12M	AZ
Pine Island rice rat	<i>Oryzomys palustris planirostris</i>	12M/PLPCH	FL
pink pigtoe	<i>Pleurobema rubrum</i>	12M	AL, AR, KY, LA, MS, NE, OH, OK, TN, VA
Point of Rocks tryonia	<i>Tryonia elata</i>	12M	NV
pop-eye shiner	<i>Notropis ariommus</i>	12M	KY
Pristine crayfish	<i>Cambarus pristinus</i>	12M	TN
prostrate milkweed	<i>Asclepias prostrata</i>	12M	TX, Mexico
Puget Oregonian snail	<i>Cryptomastix devia</i>	12M	OR, WA
purpledisk honeycombhead	<i>Balduina atropurpurea</i>	12M	GA, SC
Quitobaquito tryonia	<i>Tryonia quitobaquiae</i>	12M	AZ
rattlesnake-master borer moth	<i>Papaipema eryngii</i>	Proposed Listing Determination	AR, IA, IL, KY, MO, NC, OK
Raven's seedbox	<i>Ludwigia ravenii</i>	12M	FL, NC, SC, VA
rayed creekshell	<i>Anodontoides radiatus</i>	12M/PLPCH	AL, FL, GA, LA, MS
regal fritillary	<i>Speyeria idalia</i>	12M	AR, CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, NC, ND, NE, NH, NJ, NY, OH, OK, PA, RI, SD, VA, VT, WI, WV, WY
relict dace	<i>Relictus solitarius</i>	12M	NV
relictual slender salamander	<i>Batrachoseps relictus</i>	12M	CA
Rim Rock crowned snake	<i>Tantilla oolitica</i>	12M	FL
Rio Grande cooter	<i>Pseudemys gorzugi</i>	12M	NM, TX
Rocky Mountain monkeyflower	<i>Mimulus gemmiparus</i>	12M	CO
rough stemmed aster	<i>Symphyotrichum puniceum</i> var. <i>scabricaule</i>	12M	LA, MS, TX
round hickorynut	<i>Obovaria subrotunda</i>	12M	AL, AR, GA, IL, IN, KY, MI, MS, OH, PA, TN, WV, Canada
Rye Cove Cave isopod	<i>Lirceus culveri</i>	12M	VA
Saint Paul cave beetle	<i>Pseudanophthalmus sanctipauli</i>	12M	VA
salamander mussel	<i>Simpsonias ambigua</i>	12M	AR, IL, IN, KY, MI, MN, MO, NY, OH, PA, TN, WI, WV, Canada
Salina mucket	<i>Potamilus metnecktayi</i>	12M	TX
saltmarsh topminnow	<i>Fundulus jenkinsi</i>	12M	AL, FL, LA, MS, TX



San Xavier talussnail	Sonorella eremita	12M	AZ
sand verbena moth	Copablepharon fuscum	12M	WA
Sangre de Cristo peaclam	Pisidium sanguinichristi	12M	NM
Santa Fe cave crayfish	Procambarus erythropros	12M	FL
Sevier snowfly	Allocaupnia brooksi	12M	TN
Shasta chaparral	Trilobopsis roperi	12M	CA
Shasta hesperian	Vespericola shasta	12M	CA
Shasta sideband	Monadenia troglodytes troglodytes	12M/PLPCH	CA
Shenandoah (Madden's Cave) beetle	Pseudanophthalmus limicola	12M	VA
short-tailed snake	Lampropeltis extenuata	12M	FL
sicklefin chub	Macrhybopsis meeki	12M/PLPCH	IL, IA, KS, KT, LA, MS, MO, MT, NE, ND, SD, TN
silken cave beetle	Pseudanophthalmus sericus	12M	VA
silvery phacelia	Phacelia argentea	12M	OR
skiff milk-vetch	Astragalus microcymbus	Proposed Listing Determination	CO
slenderclaw crayfish	Cambarus cracens	FLFCH	AL
slenderwrist burrowing crayfish	Fallicambarus petilicarpus	12M	AL
smallscale darter	Etheostoma microlepidum	12M	KY, TN
South Branch Valley cave beetle	Pseudanophthalmus potomaca	12M	VA, WV
Southeast Nevada pyrg	Pyrgulopsis turbatrix	12M	NV
southern elktoe	Alasmidonta triangulata	12M	AL, FL, GA
southern rubber boa	Charina umbratica	12M	CA
southern snaketail	Ophiogomphus australis	12M	FL, LA, MS
southern Steptoe pyrg	Pyrgulopsis sulcata	12M	NV
speckled burrowing crayfish	Fallicambarus danielae	12M	AL, MS
spider elimia (snail)	Elimia arachnoidea	12M	TN, VA
spiny scale crayfish	Cambarus jezerinaci	12M	KY, TN, VA
spinytail crayfish	Procambarus fitzpatricki	12M	MS
sportinggoods tryonia	Tryonia angulata	12M	NV
spot-tailed earless lizard	Holbrookia lacerata	12M	TX
spotted turtle	Clemmys guttata	12M	CT, DC, DE, FL, GA, IL, IN, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, VA, VT, WV, Canada
Spring Mountains dark blue butterfly	Euphilotes ancilla cryptica	12M	NV



Spring Mountains dark blue butterfly	<i>Euphilotes ancilla purpura</i>	12M	NV
Sterile Basin pyrg	<i>Pyrgulopsis sterilis</i>	12M	NV
streamside salamander	<i>Ambystoma barbouri</i>	12M	AL, KY, OH, TN, WV
sturgeon chub	<i>Macrhybopsis gelida</i>	12M/PLPCH	IL, IA, KS, KT, LA, MS, MO, MT, NE, ND, SD, TN, WY
sub-globose snake pyrg	<i>Pyrgulopsis saxatilis</i>	12M	UT
sub-globose Steptoe Ranch pyrg	<i>Pyrgulopsis orbiculata</i>	12M	NV
sun-facing coneflower	<i>Rudbeckia heliopsisidis</i>	12M	AL, GA, NC, SC, VA
Sykora's Hydroptila caddisfly	<i>Hydroptila sykorai</i>	12M	FL
Tallapoosa orb	<i>Quadrula asperata archeri</i>	12M	AL
Tennessee Cave salamander	<i>Gyrinophilus palleucus</i>	12M	AL, GA, TN
Tennessee clubshell	<i>Pleurobema oviforme</i>	12M	AL, TN, KY, VA
Tennessee forestfly	<i>Amphinemura mockfordi</i>	12M	AL, TN
Tennessee heelsplitter	<i>Lasmigona holstonia</i>	12M	AL, GA, NC, VA, TN
Tennessee pigtoe	<i>Fusconaia barnesiana</i>	12M	AL, GA, MS, NC, TN, VA
Texas fatmucket	<i>Lampsilis bracteata</i>	Proposed Listing Determination	TX
Texas fawnsfoot	<i>Truncilla macrodon</i>	Proposed Listing Determination	TX
Texas heelsplitter	<i>Potamilus amphichaenus</i>	12M	TX
Texas hornshell	<i>Popenaias popeii</i>	PCH	TX
Texas kangaroo rat	<i>Dipodomys elator</i>	12M	TX
Texas pimpleback	<i>Quadrula petrina</i>	Proposed Listing Determination	TX
Texas salamander	<i>Eurycea neotenes</i>	12M	TX
Texas screwstem	<i>Bartonia texana</i>	12M	TX
Texas troglobitic water slater	<i>Lirceolus smithii</i>	12M	TX
Tharp's bluestar	<i>Amsonia tharpii</i>	12M	NM, TX
thin-wall quillwort	<i>Isoetes microvela</i>	12M	NC
Thomas' cave beetle	<i>Pseudanophthalmus thomasi</i>	12M	VA
three-toothed long-horned caddisfly (triaenodes)	<i>Triaenodes tridontus</i>	12M	AL, FL, OK
Tidewater amphipod	<i>Stygobromus indentatus</i>	12M	MD, NC, VA
Tombigbee Riverlet crayfish	<i>Hobbseus petilus</i>	12M	MS
toothless blindcat	<i>Trogloglanis pattersoni</i>	12M	TX
triangle pigtoe	<i>Fusconaia lananensis</i>	12M	TX



			AL, AR, CO, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, NE, NH, NJ, NM, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, WV; Canada (New Brunswick, Nova Scotia, Ontario, Quebec), Mexico (Eastern and southern regions: Coahuil
tricolored bat	Perimyotis subflavus	12M/PLPCH	
Trispot darter	Etheostoma trisella	FCH, 4D	AL, TN, GA
tufted puffin		12M	CA, OR, WA
Venus flytrap	Dionaea muscipula	12M/PLPCH	NC, SC
Virginia stone	Acroneuria kosztarabi	12M	KY, OH, VA
water stitchwort	Stellaria fontinalis	12M	KY, TN
Weber whitlowgrass	Draba weberi	12M	CO
West Virginia spring salamander	Gyrinophilus subterraneus	12M	WV
western bumble bee	Bombus occidentalis	12M	AZ, CA, CO, ID, MT, ND, NE, NM, NV, OR, SD, UT, WA, WY
western chicken turtle	Deirochelys reticularia miaria	12M	AR, LA, MO, MS, OK, TX
western fanshell	Cyprogenia aberti	12M	AR, KS, LA, MO, MS, OK
western pond turtle	Actinemys marmorata	12M	CA, OR, WA, Mexico
western spadefoot toad	Spea hammondii	12M	CA
Wet Canyon talussnail	Sonorella macrophallus	12M	AZ
White River beardtongue	Penstemon scariosus albifluvis	FL	UT
White Sands pupfish	Cyprinodon tularosa	12M	NM
whitebark pine	Pinus albicaulus	Proposed Listing Determination	CA, ID, MT, NV, OR, WA, WY
White-tailed ptarmigan	Lagopus leucura altipetens	12M	CA, CO, ID, MT, NM, UT, WA, WY
widemouth blindcat	Satan eurystomus	12M	TX
Wintu sideband	Monadenia troglodytes ssp. Wintu	12M/PLPCH	CA
wood turtle	Glyptemys insculpta	12M	CT, DC, IA, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV, Canada
Wright's marsh thistle	Cirsium wrightii	Proposed Listing Determination	NM
Yalobusha Riverlet crayfish	Hobbseus yalobushensis	12M	MS
Yazoo crayfish	Orconectes hartfieldi	12M	MS



Yellow lance	Elliptio lanceolata	PCH	MD, NC, SC, VA
yellow-sided clubtail	Stylurus potulentus	12M	FL, MS

Key

12M: 12-month finding determining if species warrants listing

Proposed listing determination: Applies to current candidate species.

FL: Final listing

PCH: Proposed critical habitat

FCH: Final critical habitat