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Federal Register

Part VIII

**Department of the
Interior**

Fish and Wildlife Service

**50 CFR Part 17
Endangered and Threatened Wildlife and
Plants; Animal Candidate Review for
Listing as Endangered or Threatened
Species, Proposed Rule**

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

50 CFR Part 17

Endangered and Threatened Wildlife and Plants; Animal Candidate Review for Listing as Endangered or Threatened Species

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of review.

SUMMARY: In this notice the U.S. Fish and Wildlife Service (Service) presents an updated compilation of vertebrate and invertebrate animal taxa native to the United States that are being reviewed for possible addition to the List of Endangered and Threatened Wildlife under the Endangered Species Act of 1973, as amended (Act). Such taxa are generally referred to as listing candidates. The changes in this document from previous animal notices of review primarily involve: (1) The addition of candidate taxa; (2) changes in category for some candidates; (3) the addition of a category for species that are currently proposed for listing under the Act; (4) a new, alphabetical organization by scientific name of taxa under each major group heading (class or order) identified in previous notices; (5) the omission of taxa that have been identified as non-candidates in previous notices; (6) identification of a Fish and Wildlife Service Region with lead responsibility for each taxon; (7) additions and deletions in State historic distributions; and (8) a report of known trends in status for each candidate taxon. While it is prudent to take candidate taxa into account during environmental planning, neither the substantive nor procedural provisions of the Act apply to a taxon that is designated as a candidate for listing.

Through the publication of this notice, the Service also requests any additional status information that may be available. This information will be considered in preparing listing documents and future revisions and/or supplements to the notice of review. It will also assist the Service in monitoring changes in the status of listing candidates.

DATES: Comments are requested until the publication of an update of this notice, anticipated in 1993.

ADDRESSES: Interested persons or organizations should submit comments regarding particular taxa to the Regional Director of the Region specified with each taxon as having the lead responsibility for that taxon. Comments

of a more general nature may be submitted to: Chief, Division of Endangered Species, U.S. Fish and Wildlife Service, Mail Stop 452 ARLSQ, Washington, DC 20240. Written comments and materials received in response to this notice will be available for public inspection by appointment in the Regional Offices listed below. Information relating to particular taxa in this notice may be obtained from the Service's Endangered Species Coordinator in the lead Regional Office identified for each taxon and listed below:

Region 1.—California, Hawaii, Idaho, Nevada, Oregon, Washington, Commonwealth of the Northern Mariana Islands, and Pacific Territories of the United States.

Regional Director (FWE-SE), U.S. Fish and Wildlife Service, Eastside Federal Complex, 911 N.E. 11th Avenue, Portland, Oregon 97232-4181 (503/231-6150 or FTS 429-6150).

Region 2.—Arizona, New Mexico, Oklahoma, and Texas.

Regional Director (FWE-SE) U.S. Fish and Wildlife Service, P.O. Box 1306, Albuquerque, New Mexico 87103 (505/786-2914 or FTS 474-2914).

Region 3.—Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin.

Regional Director (FWE/SE), U.S. Fish and Wildlife Service, Federal Building, Fort Snelling, Twin Cities, Minnesota 55111 (612/725-3276 or FTS 725-3276).

Region 4.—Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the U.S. Virgin Islands.

Regional Director (FWE), U.S. Fish and Wildlife Service, The Richard B. Russell Federal Building, 75 Spring Street, S.W., Atlanta, Georgia 30303 (404/331-3580 or FTS 841-3580).

Region 5.—Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Regional Director (FWE), U.S. Fish and Wildlife Service, One Gateway Center, Suite 700, Newton Corner, Massachusetts 02158 (617/965-5100, ext. 316, 317, or 318 or FTS 829-9316).

Region 6.—Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming.

Regional Director (FWE), U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, Colorado 80225 (303/236-7398 or FTS 776-7398).

Region 7.—Alaska.

Regional Director (FWE), U.S. Fish and Wildlife Service, 1011 East Tudor Street, Anchorage, Alaska 99501 (907/786-3505 or FTS 907/786-3505).

FOR FURTHER INFORMATION CONTACT: Endangered Species Coordinator(s) in the responsible Regional Office(s), or Dr. Janet E. Hohn, Deputy Chief, Division of Endangered Species, U.S. Fish and Wildlife Service, Mail Stop 452 ARLSQ, Washington, DC 20240, (703/358-2171 or FTS 921-2171).

SUPPLEMENTARY INFORMATION:**Background**

The Endangered Species Act (16 U.S.C. 1531 *et seq.*) requires the Secretary of the Interior (or Commerce according to vested program responsibilities) to determine whether wildlife and plant species are endangered or threatened, based on the best available scientific and commercial data, after conducting a review of their status. In regulations found at 50 CFR 424.15 the Service advises that it may publish comprehensive notices of such review. These notices contain the names of the species considered to the candidates for listing under the Act and indicate whether sufficient scientific or commercial information is available to warrant proposing to list them. They also solicit additional information regarding any of the species mentioned.

The Service has for many years been gathering data on taxa of animals native to the United States, that appeared, at least at times, to merit consideration for addition to the List of Endangered and Threatened Wildlife. The accompanying table identifies many of these taxa (including, by definition, biological subspecies and certain distinct populations of vertebrate animals) and assigns each taxon to one of the four categories described below. In revising this compilation the Service relies on information from status surveys funded under its various candidate assessment programs, and on other information from State Heritage Programs, from other State and Federal Agencies (such as the Forest Service and the Bureau of Land Management), from knowledgeable scientists, and from comments received in response to previous notices of review.

Unless it is the subject of a current published proposed rule determining endangered or threatened status, none of these taxa receives substantive or procedural protection pursuant to the Act (species that are the subject of a final rule are removed from this table at each periodic updating). The 1988 Amendments to the Act require,

Table with columns: Status, Lead Ref, Year, Scientific name, Family, Common name, Historic range.

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Table with columns: Status, Aid Re-gion, Scientific name, Family, Common name, Historic range. Lists species from the order Amphipoda, including Mesopoda pumilio and Mesopoda troglodytes.

Case/pt	Status	Lead region	Trend	Scientific name	Family	Common name	Historic range
2	U	R4	U	<i>Procambarus madolei</i> (<i>Ortmannicus</i>)	Cambaridae	Abernethy crayfish.	NC
2	U	R4	U	<i>Procambarus pictus</i>	Cambaridae	Crawfish	FL
2	U	R4	U	<i>Procambarus plumbeus</i> (<i>Ortmannicus</i>)	Cambaridae	Crawfish crayfish	MS
2	U	R4	U	<i>Procambarus pugnax</i>	Cambaridae	Spotted crayfish	VA
2	U	R4	U	<i>Pocopsis heteranalis</i>	Procarididae	(Shrimp, no common name)	HI
2	U	R4	U	<i>Polydora mona</i>	Ayidae	Mona cave shrimp	PR, West Indies
2	U	R1	U	<i>Polydora caudata</i>	Procarididae	(Shrimp, no common name)	HI
EARTHWORMS (ANNELIDS, CLASS OLOOCHETA)							
2	U	R1	U	<i>Megascolides maculifrons</i>	Megascoloidae	Oregon giant earthworm	OR
FLATWORMS (TUBELLARIA)							
2	U	R3	U	<i>Tentia glandulosa</i> (= <i>Macrocoelyle g.</i>)	Kentidae	(Planarian, no common name)	MO, IA
2	U	R4	U	<i>Planaria</i>	Kentidae	(Planarian, no common name)	OR
2	U	R3	U	<i>Prosopele tubicola</i>	Kentidae	(Planarian, no common name)	MD, VA
2	U	R4	U	<i>Spallaglossa cubus</i>	Kentidae	(Planarian, no common name)	NY
2	U	R4	U	<i>Spallaglossa picta</i>	Kentidae	Palau Cave planarian	VA
2	U	R3	U	<i>Spallaglossa virginiana</i>	Kentidae	(Planarian, no common name)	VA
HYDROIDS (Cnidaria)							
2	U	R1	U	<i>Obolomyces hoki</i>	Spongillidae	(No common name)	HI
SPONGES (PORIFERA)							
2	U	R4	U	<i>Coenonychia carolinensis</i>	Spongillidae	Carolina sponge	SC
2	U	R4	U	<i>Daxilla palmis</i>	Spongillidae	Ohawakee sponge	FL
2	U	R4	U	<i>Schmidia saxatilis</i>	Spongillidae	Kissimmee sponge	FL
2	U	R4	U	<i>Hebertomyces longispinus</i>	Spongillidae	Pennsylvania sponge	PA
2	U	R4	U	<i>Spongia heterosticta</i>	Spongillidae	Onieda sponge	NY

Case/pt	Status	Lead region	Trend	Scientific name	Family	Common name	Historic range
2	U	R2	U	<i>Stygobromus heteropodus</i>	Cragonyctidae	Pickle Springs amphipod	MC
2	U	R2	U	<i>Stygobromus robustus</i>	Cragonyctidae	Mechaw cave amphipod	OR
2	U	R3	U	<i>Stygobromus rabinovitchi</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Forewater amphipod	VA
2	U	R2	U	<i>Stygobromus longipes</i> (= <i>Stygobromus l.</i>)	Cragonyctidae	Long-legged cave amphipod	TX
2	U	R1	U	<i>Stygobromus maculatus</i>	Cragonyctidae	MacKenzie's cave amphipod	CA
2	U	R4	U	<i>Stygobromus montanus</i> (= <i>Stygobromus m.</i>)	Cragonyctidae	Mountain cave amphipod	AR
2	U	R5	U	<i>Stygobromus morisoni</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Morison's cave amphipod	VA, WV
2	U	R5	U	<i>Stygobromus murinus</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Bath County cave amphipod	VA
2	U	R2	U	<i>Stygobromus nanus</i>	Cragonyctidae	Pocahontas cave amphipod	WV
2	U	R4	U	<i>Stygobromus norrisi</i> (= <i>Apoecragonyx s.</i>)	Cragonyctidae	Norris's cave amphipod	TN
2	U	R3	U	<i>Stygobromus neodactylus</i>	Cragonyctidae	Onondaga Cave amphipod	MO
2	U	R3	U	<i>Stygobromus castensii</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Chick cave amphipod	AR, MO, OK
2	U	R5	U	<i>Stygobromus parvus</i> (= <i>Apoecragonyx s.</i>)	Cragonyctidae	Minute cave amphipod	WV
2	U	R2	U	<i>Stygobromus packi</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Pack's cave amphipod	TX
2	U	R3	U	<i>Stygobromus pecki</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Peck cave amphipod	NC, MD, PA, VA
2	U	R3	U	<i>Stygobromus puerilis</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Wisconsin well amphipod	WV
2	U	R5	U	<i>Stygobromus reductus</i>	Cragonyctidae	Redacted cave amphipod	WV
2	U	R2	U	<i>Stygobromus reddiffi</i> (= <i>Stygobromus r.</i>)	Cragonyctidae	Redall's cave amphipod	TX
2	U	R4	U	<i>Stygobromus smithi</i>	Cragonyctidae	Alabama well amphipod	AL
2	U	R3	U	<i>Stygobromus stantoni</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Spring cave amphipod	WV
2	U	R5	U	<i>Stygobromus stellatus</i> (= <i>Stygobromus s.</i>)	Cragonyctidae	Stellatus's cave amphipod	PA
2	U	R3	U	<i>Stygobromus subtilis</i> (= <i>Apoecragonyx s.</i>)	Cragonyctidae	Subtle cave amphipod	IL, MO
2	U	R1	U	<i>Stygobromus wengenrovi</i>	Cragonyctidae	Wengenrovi's cave amphipod	CA
CRAYFISHES & SHRIMPS (CRUSTA-CEANS, ORDER DECAPODA)							
2	U	R1	U	<i>Arctemedia leucostis</i>	Ayidae	(Shrimp, no common name)	HI
2	U	R1	U	<i>Callinectes sapidus</i>	Hippidae	(Shrimp, no common name)	HI
2	U	R4	U	<i>Cambarus bartonii</i>	Cambaridae	(Crayfish, no common name)	NY
2	U	R4	U	<i>Cambarus bartonii</i>	Cambaridae	Greenboro burrowing crayfish	NC
2	U	R6	U	<i>Cambarus chamaeleonicus</i>	Cambaridae	New River rifle crayfish	NC, VA, WV
2	U	R4	U	<i>Cambarus engelhardti</i>	Cambaridae	Engelhard's crayfish	AL, TN
2	U	R4	U	<i>Cambarus hubbsi</i>	Cambaridae	Little Tennessee crayfish	NC, GA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AL
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	(Crayfish, no common name)	TN
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, GA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	TN
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, GA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	TN
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, GA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	VA, WV, KY
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	SC
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	OK
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	SC
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AL, MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AR
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AR
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AL
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	AL, IN
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, VA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, VA
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	HI
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	TX
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	FL
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	NC, SC
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS
2	U	R4	U	<i>Cambarus hubbsi</i> (<i>Puncticambarus s.</i>)	Cambaridae	Hubbs' crayfish	MS

* U.S. G.P.O.: 1991-618-466:41210