

Clarke, A. H. 1981. The Tribe Alasmidontini (Unionidae: Anodontinae), Part 1: *Pegias*, *Alasmidonta*, and *Arcidens*. Smithsonian Contributions to Zoology, 326:1-101.

Gordon, M. E. 1991. Species account for the Appalachian elktoe (*Alasmidonta raveneliana*). Unpublished report to The Nature Conservancy. 5 pp.

Lea, I. 1834. Observations on Naisdes (etc.). Transactions of the American Philosophical Society, new series, 51:135-229, plates 1-19.

Neves, R. J., and M. C. Odum. 1989. Muskrat predation on endangered freshwater mussels in Virginia. Jour. Wildl. Manage. 53(4):939-940

Ortmann, A. E. 1921. The Anatomy of Certain Mussels from the Upper Tennessee. Nautilus, 34(3):81-91.

Tennessee Valley Authority. 1987. Fish Collection Report to the North Carolina Wildlife Resources Commission.

Author

The primary author of this proposed rule is John A. Fridell, U.S. Fish and Wildlife Service, Asheville Field Office, 330 Ridgefield Court, Asheville, North Carolina 28806 (704/665-1195, Ext. 225).

List of Subjects in 50 CFR Part 17

Endangered and threatened species, Exports, Imports, Reporting and recordkeeping requirements, and Transportation.

Proposed Regulation Promulgation

Accordingly, it is hereby proposed to amend part 17, subchapter B of chapter I, title 50 of the Code of Federal Regulations, as set forth below:

PART 17--[AMENDED]

1. The authority citation for part 17 continues to read as follows:

Authority: 16 U.S.C. 1361-1407; 16 U.S.C. 1531-1544; 16 U.S.C. 4201-4245; Pub. L. 99-625, 100 Stat. 3500; unless otherwise noted.

2. It is proposed to amend § 17.11(h) by adding the following, in alphabetical order, under CLAMS, to the List of Endangered and Threatened Wildlife, to read as follows:

§ 17.11 Endangered and threatened wildlife:

* * * * *
(h) * * *

Species		Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Common name	Scientific name						
Clams							
Elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	U.S.A. (NC, TN)		NA E		NA	NA

Dated: August 12, 1993.
Richard N. Smith,
Acting Director, Fish and Wildlife Service.
[FR Doc. 93-21559 Filed 9-2-93; 8:45 am]
BILLING CODE 4310-65-P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[I.D. 083093A]

50 CFR Part 227

Listing Endangered and Threatened Species and Designating Critical Habitat: Petition To List Mid-Columbia River Summer Chinook Salmon

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Notice of receipt of petition and request for information.

SUMMARY: NMFS has received a petition to list mid-Columbia River summer chinook salmon (*Oncorhynchus*

tshawytscha) and to designate critical habitat under the Endangered Species Act of 1973 (ESA). In accordance with section 4 of the ESA, NMFS has determined that the petition presents substantial scientific information indicating that the action may be warranted. Therefore, NMFS is initiating a status review to determine if the petitioned action is warranted. To ensure that the review is comprehensive, NMFS is soliciting information and data regarding this action.

DATES: Comments and information must be received by November 2, 1993.

ADDRESSES: Copies of the petition are available from, and comments should be submitted to Merritt Tuttle, Chief, Environmental and Technical Services Division, NMFS, 911 NE 11th Avenue, Room 620, Portland, OR 97232.

FOR FURTHER INFORMATION CONTACT: Garth Griffin, NMFS, Northwest Region, (503) 230-5430 or Marta Nammack, NMFS, Office of Protected Resources, (301) 713-2322.

SUPPLEMENTARY INFORMATION:

Background

Section 4 of the ESA contains provisions allowing interested persons to petition the Secretary of the Interior or the Secretary of Commerce to add a species to or remove a species from the List of Endangered and Threatened Wildlife. Section 4(b)(3)(A) of the ESA requires that, to the maximum extent practicable, within 90 days after receiving such a petition, the Secretary shall determine whether the petition presents substantial scientific or commercial information indicating that the petitioned action may be warranted.

Petition Received

On June 3, 1993, the Secretary of Commerce received a petition from American Rivers, Northwest Environmental Defense Center, Sierra Club, Northwest Resource Information Center, Friends of the Earth, Inland Empire Public Lands Council, Washington Wilderness Coalition, North Central Washington Chapter Audubon Society, Trout Unlimited, Washington Trout, and the Federation of Flyfishers

to list mid-Columbia River summer chinook salmon, and to designate critical habitat under the ESA. As required for a petition to list a Pacific salmon stock (see May 18, 1992, 57 FR 21056), the petition presents information on and discusses whether the petitioned population qualifies as a "species" under the NMFS' "Policy on Applying the Definition of Species under the Endangered Species Act to Pacific Salmon" (November 20, 1991, 56 FR 58612). The Assistant Administrator for Fisheries, NOAA, has determined that the petition presents substantial scientific information indicating that the petitioned action may be warranted. Under section 4(b)(3)(B) of the ESA, this determination requires that a review of the status of the mid-Columbia River summer chinook salmon be conducted to determine if the petitioned action is warranted.

Species Determination

The first determination in the status review will be to determine whether or not the petitioned stock qualifies as a "species" under the ESA, in accordance with NMFS' "Policy on Applying the Definition of Species under the Endangered Species Act to Pacific Salmon." While the petitioner presented information in this regard, the evidence presented on reproductive isolation is equivocal. Therefore, accurate and complete information on this criterion is essential to conduct a thorough review.

Listing Factors and Basis for Determination

Under section 4(a)(1) of the ESA, a species can be determined to be endangered or threatened for any of the following reasons: (1) present or threatened destruction, modification, or curtailment of its habitat or range; (2) overutilization for commercial, recreational, scientific, or educational purposes; (3) disease or predation; (4) inadequacy of existing regulatory mechanisms; or (5) other natural or

manmade factors affecting its continued existence. Listing determinations are made solely on the best scientific and commercial data available after taking into account any efforts made by any state or foreign nation to protect the species.

Biological Information Solicited

To ensure that the review is complete and is based on the best available scientific and commercial data, NMFS is soliciting information and comments concerning (1) whether or not this stock qualifies as a "species" under the ESA and (2) whether or not the stock is endangered or threatened based on the above listing criteria. Specifically, NMFS is soliciting information on the reproductive isolation and significance of the mid-Columbia summer chinook salmon compared to mid-Columbia River fall chinook salmon and concerning the present and historic status of the mid-Columbia River summer and fall chinook salmon. Copies of the petition are available (see ADDRESSES).

It is important to note that the determination to list a species is based solely on the basis of the best available scientific and commercial information regarding a species' status without reference to possible economic or other impacts of such a determination (50 CFR 424.11(b)).

Critical Habitat

NMFS is also requesting information on areas that may qualify as critical habitat for the mid-Columbia River summer chinook salmon (see also October 15, 1991, 56 FR 51684). Areas that include the physical and biological features essential to the recovery of the species should be identified. Areas outside the present distribution should be also be identified if such areas are essential to the recovery of the species. Essential features should include but are not limited to, (1) space for individual and population growth, and for normal

behavior; (2) food, water, air, light, minerals, or other nutritional or physiological requirements; (3) cover or shelter; (4) sites for breeding, reproduction, rearing of offspring; and generally, (5) habitats that are protected from disturbance or are representative of the historic geographical and ecological distributions of the species.

For areas potentially qualifying as critical habitat, NMFS is requesting information describing (1) the activities that affect the area or could be affected by the designation and (2) the economic costs and benefits of additional requirements of management measures likely to result from the designation.

The economic cost to be considered in the critical habitat designations under the ESA is the probable economic impact "of the (critical habitat) designation upon proposed or ongoing activities" (50 CFR 424.19). NMFS must consider the incremental costs specifically resulting from a critical habitat designation that are above the economic effects attributable to listing the species. Economic effects attributable to listing include actions resulting from section 7 consultations under the ESA to avoid jeopardy to the species and from the taking prohibitions under section 9 of the ESA. Comments concerning economic impacts should distinguish the costs of listing from the incremental costs that can be directly attributed to the designation of specific areas as critical habitat.

Data, information, and comments should include (1) supporting documentation such as maps, bibliographic references, or reprints of pertinent publications; and (2) the commenter's name, address, and association, institution, or business.

Dated: August 31, 1993.

Herbert W. Kaufman,
Deputy Director, Office of Protected Resources.

[FR Doc. 93-21579 Filed 8-31-93; 1:55 pm]
BILLING CODE 3510-22-M