

**DEPARTMENT OF COMMERCE****National Oceanic and Atmospheric Administration**

[I.D. 120100A]

**Endangered and Threatened Species; Take of Anadromous Fish**

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

**ACTION:** Notice of availability and request for comment.

**SUMMARY:** Notice is hereby given that the Oregon Department of Fish and Wildlife (ODFW) has submitted a Fisheries Management and Evaluation Plan (FMEP) pursuant to the protective regulations promulgated for Upper Willamette River (UWR) spring chinook salmon under section 4(d) of the Endangered Species Act (ESA). The FMEP specifies the future management of inland recreational and commercial fisheries potentially affecting listed UWR spring chinook salmon. The Washington Department of Fish and Wildlife (WDFW) has submitted a Hatchery and Genetic Management Plan (HGMP) for Tucannon River summer steelhead pursuant to the same section 4(d) rule. The Tucannon HGMP describes an artificial propagation program designed to increase the abundance of the listed, indigenous steelhead stocks and to replace a composite, non-listed stock for fisheries enhancement and mitigation use. This document serves to notify the public of the availability of the FMEP and the HGMP for review and comment before a final approval or disapproval is made by NMFS.

**DATES:** Written comments or requests for a public hearing on the draft FMEP or HGMP must be received at the appropriate address or fax number (see **ADDRESSES**) no later than 5 p.m. Pacific standard time on January 26, 2001.

**ADDRESSES:** Written comments and requests for copies of the draft FMEP should be addressed to Lance Kruzic, Sustainable Fisheries Division, NWR2, 525 N.E. Oregon Street, Suite 510, Portland, OR 97232. Comments may also be sent via fax to 503-872-2737. Comments and requests for copies of the draft HGMP should be addressed to Herb Pollard, Sustainable Fisheries Division, Snake River Branch Office, 10215 W. Emerald, Boise, ID 83709, or faxed to 208-378-5699. The documents are also available on the internet at <http://www.nwr.noaa.gov/>. Comments will not be accepted if submitted via e-mail or the internet.

**FOR FURTHER INFORMATION CONTACT:**

Lance Kruzic, Portland, OR at phone number: 503-231-2178, or e-mail: lance.kruzic@noaa.gov regarding the FMEP; or Herb Pollard, Boise, ID at phone number: 208-378-5614, or e-mail: herbert.pollard@noaa.gov regarding the HGMP.

**SUPPLEMENTARY INFORMATION:** The following evolutionarily significant units (ESUs) are covered in this notice: threatened Upper Willamette River Spring Chinook Salmon (*Oncorhynchus tshawytscha*), threatened Snake River Basin Steelhead (*O. mykiss*).

**Background**

Under section 4(d) of the ESA, the Secretary of Commerce is required to adopt such regulations as he deems necessary and advisable for the conservation of species listed as threatened. NMFS has issued a final ESA 4(d) Rule adopting regulations necessary and advisable to conserve the UWR spring chinook salmon and Snake River Basin steelhead (July 10, 2000; 65 FR 42422). This 4(d) rule applies the prohibitions enumerated in section 9(a)(1) of the ESA. NMFS did not find it necessary and advisable to apply the take prohibitions described in section 9(a)(1)(B) and 9(a)(1)(C) to fishery harvest activities and artificial propagation programs if managed in accordance with an FMEP or HGMP that has been approved by NMFS. As specified in the July 10, 2000, 4(d) rule, before a decision is made on an FMEP or HGMP, the public must have an opportunity to review and comment.

**Draft FMEP Received**

ODFW has submitted to NMFS an FMEP for inland recreational and commercial fisheries potentially affecting listed adult and juvenile UWR spring chinook salmon. This includes fisheries occurring in the Willamette River Basin and the mainstem Columbia River below the confluence of the Willamette River when spring chinook are migrating upstream. The objective of the FMEP is to harvest known, hatchery-origin spring chinook and other fish species in a manner that does not jeopardize the survival and recovery of the ESU. All fisheries included in the FMEP will be managed so that retention of spring chinook that are not externally marked (i.e., do not have a fin clipped) will be prohibited beginning in 2002. Only hatchery-origin spring chinook that are adipose fin clipped may be retained. Impact levels to listed spring chinook populations in the ESU due to catch and release are specified in the FMEP. Population viability analyses and

risk assessments in the FMEP indicate the extinction risk for listed spring chinook under the proposed fishery impact levels to be less than 0.1 percent. A variety of monitoring and evaluation tasks are specified in the FMEP to assess the abundance of spring chinook, determine fishery effort and catch of spring chinook, and angler compliance. A comprehensive review of the FMEP to evaluate whether the fisheries and listed spring chinook populations are performing as expected will be done in 2004 and at 5 year intervals thereafter.

**Draft HGMP Received**

The HGMP submitted by WDFW describes an artificial propagation program that proposes to take 40 pairs of naturally produced steelhead adults as broodstock and produce 150,000 smolts of the native stock for release in the Tucannon River annually. The purposes of the program are: (1) to increase the abundance of the local, indigenous stock of steelhead; (2) to restore natural spawning escapements, and (3) to enhance fisheries opportunities if the program successfully restores spawning escapements and production.

**Authority**

Under section 4 of the ESA, the Secretary of Commerce is required to adopt such regulations as he deems necessary and advisable for the conservation of species listed as threatened. The ESA salmon and steelhead 4(d) rule (65 FR 42422, July 10, 2000) specifies categories of activities that contribute to the conservation of listed salmonids or are governed by a program that adequately limits impacts on listed salmonids. The criteria to be met by activities submitted under the salmon and steelhead ESA 4(d) rule are contained in that rule (65 FR 42422, July 10, 2000).

Approval of a FMEP or a HGMP shall be NMFS' written approval by NMFS' Northwest or Southwest Regional Administrator, as appropriate. Authority to take listed species is subject to the conditions set forth in the concurrence letter of the FMEP and HGMP which will specify the implementation and reporting requirements. Approval of FMEPs and HGMPs is granted in accordance with the salmon and steelhead 4(d) rule (65 FR 42422, July 10, 2000) and are subject to the ESA and NMFS regulations governing the take of listed species (50 CFR parts 222-226).

Those individuals requesting a hearing on the FMEP or HGMP listed in this notice should set out the specific reasons why a hearing on that FMEP or HGMP would be appropriate (see

**ADDRESSES).** The holding of such hearing is at the discretion of the Assistant Administrator for Fisheries, NOAA. All statements and opinions contained in the permit action summaries are those of the applicant and do not necessarily reflect the views of NMFS.

Dated: December 20, 2000.

**Wanda L. Cain,**

*Chief, Endangered Species Division, Office of Protected Resources, National Marine Fisheries Service.*

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## DEPARTMENT OF COMMERCE

### National Oceanic and Atmospheric Administration

[Docket No. 001027299-0299-01]

RIN 0648-ZA95

#### NOAA Climate and Global Change Program, Program Announcement

**AGENCY:** Office of Global Programs, Office of Oceanic and Atmospheric Research, National Oceanic and Atmospheric Administration, Commerce.

**ACTION:** Notice.

**SUMMARY:** With the intent of stimulating integrated multidisciplinary studies and enhancing institutional collaboration, National Oceanic Atmospheric Administration (NOAA), Environmental Protection Agency (EPA), National Aeronautics and Space Administration (NASA), the National Science Foundation (NSF), and the Electric Power Research Institute (EPRI), announce our interest in receiving research proposals to improve our understanding of the human health consequences related to climate variability and enhance the integration of useful climate information into public health policy and decision-making. This joint announcement is intended to support the formation of multidisciplinary teams working in close collaboration on integrated projects to illuminate pathways by which climate may affect human health, and which explore the potential for applying climate forecast information in the public health arena. Climate refers to climate variability across time scales. Understanding how short term climate variability affects human health may improve our knowledge of potential consequences of, and adaptation to, longer term changes in the climate system.

#### Relevance of This Joint Announcement

In 1995, the White House along with the National Academy of Sciences elevated the climate and health issue through their jointly sponsored Conference on Human Health and Global Climate Change. Since then, several multi-agency sponsored workshops such as the American Academy of Microbiology Colloquium on Climate Variability and Human Health: An Interdisciplinary Perspective, and the workshop on Climate Change and Vector-borne and other Infectious Disease: A Research Agenda, have begun to define research needs in this emerging discipline. The recently issued NRC Pathways report recognizes that climate may have important impacts on human health but that further study is necessary, and that such studies must also address issues of social vulnerability and adaptability. The NRC also is conducting a study on Climate, Ecology, Infectious Disease and Health.

Over the past several years as interest in this new field has grown, research and analysis have demonstrated a connection between climate and health in some cases. Yet it is well recognized that more research is required. This, coupled with an evolving capacity to understand and predict natural changes in the climate system, and a desire to provide climate forecast information for social benefit, particularly in the public health sector, has driven demand for improved understanding of the relationship between climate variability and human health.

Both the scientific research results and recommendations stemming from various meetings highlight the complexity of the research questions and the need for a coordinated multi-agency and interdisciplinary approach. The very nature of the research required cuts across disciplinary boundaries, and spans a range of agency missions and mandates and private sector interests. The NOAA Office of Global Programs is interested in the production and application of predictive climate information; EPA is concerned with the impacts of climate change and variability on human health; and NASA's interests include remote sensing observations, research, data, information and technologies for public health. Moreover, NSF focuses on broadly based fundamental research to improve understanding of the Earth system, and EPRI addresses key research gaps in climate change and human health. This announcement is offered as an experimental mechanism to fill critical gaps in climate variability and

human health research and to coordinate funding of overlapping agency and institutional interests in such research. Other private sector organizations interested in jointly funding research through this announcement process should contact the NOAA Program Officer Juli Trtanj (301) 427-2089, ext. 134, or internet: trtanj@ogp.noaa.gov. Research projects will be funded for a one, two or three year period. Funding beyond the first year is contingent upon availability of funds.

#### Program Objectives

The overarching goal of this announcement is to develop and demonstrate the feasibility of new approaches or field studies that investigate or validate well-formed hypotheses or models of climate variability and health interactions. This announcement is offered as part of an interagency effort to build an integrated climate and health community. Proposed research submitted under this announcement is encouraged to build on existing research activities, programs, research sites and facilities, or data sets.

#### Requirements and General Guidance

Research teams should include, at a minimum, one investigator each from the public health or medical response, ecology, and climate communities working in close collaboration on an integrated project. Research proposals submitted under this announcement are strongly encouraged to include components addressing either the adaptation or vulnerability of human and public health systems to climate variability, or an economic analysis of using predictive climate information, or both. (See Criteria for Evaluation b). The funding partners will look favorably on research activities that involve end-users from the public health arena (*i.e.*, local public health officials, regional or international health organizations, other public health or disaster management agencies and institutions) and which address the means by which their research results can be used by public health policy and decision-makers. (See Criteria d). Investigators are encouraged to demonstrate that they will disseminate research results through formal presentation during at least one professional meeting and publication in a peer-reviewed journal. (See Criteria b).

Investigators should also plan to participate in an annual meeting of researchers funded under this announcement. This meeting will be organized by the funding partners and is intended to facilitate midpoint