

State of Washington
 Dept. of Fish and Wildlife
 invites applications for the position of:
**Permanent Fish & Wildlife Research
 Scientist 2 * 11077-13**

careers.wa.gov
 Working for Washington State

SALARY: \$4,770.00 - \$6,257.00 Monthly

OPENING DATE: 10/22/13

CLOSING DATE: 11/30/13 05:00 PM

DESCRIPTION:



Our Mission
 To preserve, protect and perpetuate fish, wildlife and ecosystems while providing sustainable fish and wildlife recreational and commercial opportunities.

Vision
 Conservation of Washington's fish and wildlife resources and ecosystems.

The Department

The Washington Department of Fish and Wildlife (WDFW) is dedicated to protecting native fish and wildlife, and providing sustainable fishing, hunting and wildlife viewing opportunities for millions of residents and visitors. Working throughout the state, WDFW's employees—field biologists, enforcement officers, land stewards, lab technicians, customer service representatives and others—manage hundreds of fish and wildlife species, maintain nearly a million acres of public wildlife lands, provide opportunities for recreational and commercial fishing, wildlife viewing and hunting, protect and restore habitat and enforce laws that protect fish and wildlife resources. Find out more about us and the important work we are a part of at www.wdfw.wa.gov

This recruitment is for a permanent Fish & Wildlife Research Scientist 2 in the Fish Program, Fish Management, Marine Resources. The duty station the Natural Resource Building, Olympia, WA.

This position provides agency science expertise and leadership to meet department objectives in support of PFMC and domestic stock assessment products and reviews; and is responsible for planning, developing, and designing research projects or resource assessments for fin fish in the marine waters of Washington. The incumbent Provides leadership for the Agency and regional scientists in the development and application of innovative research methods for a) stock assessment methodology, b) advanced sampling techniques, c) advanced statistical analyses/modelings, and d) estimation of key biological parameters of fin fish populations.

DUTIES:

Designated consultant responsible for evaluating the scientific rigor and defensibility of marine fish stock assessments and marine fish research within Washington and in coast-wide (US and Canada) forums. Independently conducts research, provides scientific leadership to, and directs departmental and multi-jurisdictional and multi-disciplinary research teams that perform at the forefront of scientific inquiry requiring the development and application of new theoretical, methodological, or analytical concepts for management and

enhancement of marine bottomfish and forage fish resources.

Responsible for innovating experimental design, statistical analyses, interpretation of results, and publication.

Perform coastal marine fish stock assessments and stock assessment reviews.

Assist with Puget Sound marine fish stock assessments, especially rockfishes.

Conduct marine fish research activities independently and cooperatively with scientists from universities, federal and state agencies, and technical staff from other divisions of the Fish Program.

Develop complex computer simulation models using sophisticated statistical and analytical procedures to model trends in marine fish abundance and distribution patterns.

Review and modify ongoing or new marine research surveys and experiments, including detection of rare species, long-term monitoring bottom trawl survey, long-term black rockfish tagging program, and underwater video survey.

Formulate recommendations to solve assigned problems at both the NPFMC and PFMC levels; as such the position holder is an acknowledged expert on the assessment of US west coast groundfish stocks.

Serves as the Director's designated representative for scientific policy on ONE or MORE of the following committees, which requires scientific expertise and includes substantial preparation time.

he Bering Sea-Aleutian Island (BSAI) Groundfish Plan Team of the North Pacific Fishery Management Council (NPFMC). As such, reviews and makes recommendations on marine fish stock assessments, research studies, and management proposals for fish populations of BSAI ecosystem.

The Gulf of Alaska Groundfish Plan Team of the NPFMC. As such, reviews and makes recommendations on marine fish stock assessments, research studies, and management proposals for fish populations of GOA ecosystem.

The Scientific and Statistical Committee of the NPFMC. As such, reviews and makes recommendations on stock assessments, annual optimal fishing level, ecosystem assessments, research studies, and management proposals for all north Pacific fisheries

Working conditions

Work will be done primarily in office space at duty station, and usually within a 40-hour work per week. Travel will be required at irregular intervals, about one week per month, and will include international travel to Canada. Because of the high-profile nature of the work, projects may require extraordinary hours at times.

QUALIFICATIONS:

Qualifications and preferred work experience

Master degree in fishery biology, ecology, population dynamics, applied statistics, economics, mathematics, biology or relevant field; and at least three (3) years of experience in quantitative fisheries or relevant fields of statistics; and two articles published, or in press, in referred literature as senior author. Ability to conduct research at the Ph.D. level

- Expert in understanding of statistical theory and its application to analytical techniques, experimental design and field sampling methodology.
- Expert knowledge of the population dynamic theory and its application in stock assessments.
- Expert knowledge of fish biology, marine ecology, oceanography, fisheries, and applications in stock assessments.
- Expert knowledge of capture-recapture experiments and theory.
- Expert Knowledge of federal fisheries management and Magnuson-Stevens Fishery Conservation and Management Act standards and principles.
- Expert in one or more statistical programming languages (e.g., S, R, SAS) and database language (e.g., SQL).
- Proficiency in developing effective survey techniques by balancing theoretical mathematical

needs with management needs and field constraints.

- Proficiency in writing and reviewing scientific publications, reports and management plans.
- Proficiency in effectively communicating (in writing and verbally) technical information and analytical results to fisheries managers, policy makers, departmental colleagues, and stakeholders.
- Proficiency in ArcGIS, geo-databases and geo-spatial analysis.

Desired qualifications: Ph.D. degree in fishery modeling, ecology, statistics, economics, mathematics, or relevant field; and at least three (3) years of experience as a Fish & Wildlife Research Scientist 1.

SUPPLEMENTAL INFORMATION:

Please complete your profile at www.careers.wa.gov and attach the following to your profile before completing the online application:

A cover letter describing how you meet the qualifications and competencies for this position (generic cover letter will not be accepted)

A current resume (please make it succinct)

Three professional references (personal references do not count as professional)

Please note: Failure to follow the above application instructions will lead to disqualification. E-mailed documents will not be accepted in lieu of attaching your documents to the online profile. Upon submission of your online application, you will immediately receive a confirming e-mail. You will then be notified via e-mail of your status during the process. In addition to the e-mail notifications, you can check the status of your application at any time by visiting your online profile at www.careers.wa.gov. Due to the high volume of applications that we receive, we ask your understanding and encourage you to use the online process and avoid calling for information.

The Department of Fish and Wildlife is an equal opportunity employer. We strive to create a working environment that includes and respects cultural, racial, ethnic, sexual orientation and gender identity diversity. Women, racial and ethnic minorities, persons of disability, persons over 40 years of age, disabled and Vietnam era veterans and people of all sexual orientations and gender identities are encouraged to apply. Persons needing accommodation in the application process or this announcement in an alternative format may call (360) 902-2276 or the Telecommunications Device for the Deaf (TDD) at (800) 833-6388.

Permanent Fish & Wildlife Research Scientist 2 *11077-13 Supplemental Questionnaire

- * 1. Have you ever been convicted of a misdemeanor or felony within the last ten (10) years?

Yes No

- * 2. Do you have a valid Washington State, or other state, driver's license? (If selected for an interview, you may be asked to furnish your license and driving record.)

Yes No

- * Required Question