

PACIFIC STATES MARINE FISHERIES COMMISSION POSITION DESCRIPTION

Title: Fishery Biologist 1 (17-879)

Location: Seattle, Washington (98115)

Anticipated Start Date: June 12, 2017

Position Type: Full Year (12 months or more), Hourly/Non-Exempt

Benefits Eligible: Yes | www.psmfc.org/benefits

Salary Target: \$22.00/hour

Job Number: 17-879

How to Apply: Online at www.psmfc.org/careers

Closing Date: May 16, 2017 at 9pm PT

Position/Project Summary:

The North Pacific Fishery Management Council has established an intention to integrate electronic monitoring (EM) tools into the Observer Program for the fixed gear small-boat groundfish and halibut fisheries. The Council's intent is to develop EM to collect data to be used in catch estimation for this fleet. This research project will collect information that will help inform pre-implementation decisions and future Council alternatives for integrating electronic monitoring (EM) into the Observer Program. This position will analyze image data collected from fixed gear vessels in the Gulf of Alaska. Analyses of these data will inform the efficacy of EM as a tool to collect species composition, length and effort data to inform catch estimation. This position may include some fieldwork assisting in the maintenance of stereo camera systems and dockside fish sampling in Alaska or Washington.

Essential Functions:

The functions listed below are characteristic of the type and level of work associated with this group and pay band. They are not all-inclusive. Individual positions may perform some or all, as well as other similar work under close to general supervision.

- Lead and participate in survey crews that conduct fishery presence/absence research, recreational/commercial fishing surveys, or tag detection and mark recovery surveys. Make standardized observations such as species identification, length, weight, behavior, growth, survival, reproductive condition, and/or signs of parasites, diseases or pathogens, fin clips or tags.
- Lead and perform data entry for data from recovered tags, representative biological samples, telemetry devices, oceanographic data, fish tickets, commercial landing estimates, logbooks, scale cards, port sampling, onboard observers, etc. Error check the data, maintain and update database, analyze and organize data in the appropriate format (table, spreadsheet, memorandum, or report) necessary for transfer to individuals, agencies, and organizations.
- Lead crew or assist with data collection and maintain records of data and perform routine analysis.
- Assist researchers in investigations of long term and short term fisheries resource management problems. Collect biological samples, record data, perform routine analyses of data, and contribute draft sections to scientific papers for publication.

- Apply software programs and perform data queries. Prepare summary reports to transfer data. Videotape, photograph, and record data for characteristics such as growth, health, fitness, social activity, reproductive success, foraging success, and anti-predator behavior.

Knowledge Required by the Position:

- Knowledge of fishery biology (including knowledge of particular species of fish).
- Knowledge of the scientific method.
- Knowledge of personal computer applications such as word processing, spreadsheets, e-mail, publishing software, presentation software, database software, topographic software, bibliographic software, and statistical analysis packages.
- Knowledge of North Pacific and Gulf of Alaska Fisheries Observer sampling protocols and methods.

Additional Mandatory Skills:

- *Fish species ID skills*
- *Detailed data entry into spreadsheets and databases*
- *At-sea survival training and skills*
- *Live at-sea on commercial fishing vessels*
- *Lift baskets of fish weighing up to 50 lbs.*

Additional Desirable Skills:

- *Knowledge of technical writing protocols*
- *Knowledge of statistics and mathematics*
- *Knowledge of database management*
- *Knowledge of programming languages such as SQL*
- *Operation and installation of electronic monitoring equipment*
- *Use of R to perform statistical evaluation of data, plotting, and table generation*
- *SQL or other relational databases*

Physical Demands:

Demands can range from sedentary, to moderate --where there is walking, climbing stairs and ladders, reaching, lifting, and bending, to rigorous. In the latter case, the employee must be able to handle buckets of water or gear weighing up to 50 pounds.

Work Environment:

Most work is performed in an office setting with adequate lighting, heating and ventilation. Infrequent but potentially long periods (up to a month) at sea and field work in ports maintaining and installing EM systems. Field work involves exposure to all types of weather, slippery rocks or docks, trails, rough or fast-moving water, or cold water temperatures. Work aboard boats may be required.

Minimum Qualification Requirements:

A range of education and experience may be presented. At the lower end of the range, candidates must present successful completion of a full 4-year course of study in an accredited college or university leading to a bachelor's or higher degree that included a major in biological science with at least 6 semester hours in aquatic subjects and at least 12 semester hours in the animal sciences. An equivalent combination of experience and education is also qualifying.

At the upper end of the range, candidates must present one year of Specialized Experience** **OR** a year of graduate education that is directly related to the work of the position.

**Specialized Experience is experience that equips the applicant with the knowledge, skills, and abilities to perform successfully the duties of the position and is typically in or related to the work of the position being filled. To be creditable, specialized experience must have been equivalent to at least the next lower level in the normal line of progression for the position being filled.

Pacific States Marine Fisheries Commission is an Affirmative Action (AA) and Equal Employment Opportunity (EEO) employer and welcomes all qualified applicants. Applicants will receive fair and impartial consideration without regard to race, sex, color, religion, national origin, gender identity, age, mental or physical disability, sexual orientation, veteran status, genetic data, or other legally protected status.

If you have a disability and need assistance completing the application form, you may call the PSMFC human resources office at (503) 595-3100 between the hours of 8 a.m. and 5 p.m. PST, Monday-Friday. Reasonable accommodations for interviews will be provided upon request to individuals with disabilities.

We maintain a drug-free workplace.