



PACIFIC STATES MARINE FISHERIES COMMISSION POSITION DESCRIPTION

Title: Fishery Biologist 1 - North Pacific GOA Survey Biologist (19-1115)

Location: Seattle, WA (98115)

Anticipated Start Date: May 1, 2019

Position Type: Temporary (4 months or less), Hourly/Non-Exempt

Benefits Eligible: No | www.psmfc.org/benefits

Salary Target: \$20.00/hour

Job Number: 19-1115

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

Closing Date: April 19, 2019 at Midnight

Group Definition: Fishery Biologists use professional knowledge and competence in the science of fishery biology to perform work: (a) developing, conserving, propagating, managing, and administering fishery resources; (b) evaluating the impact of construction projects and other socioeconomic activities that present potential or actual adverse effects on fishery resources and their habitats; and (c) producing and managing aquatic resources in their natural habitat and/or within facilities and systems that have been constructed for their benefit and public use.

Position/Project Specifics:

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, which 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 collect hook-by-hook information aboard a chartered research vessel that has electronic monitoring (EM) installed for comparison between at-sea sample data and EM collected data. 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 requires a valid driver's license and all offers of employment will be contingent upon passing a driving record check. ****

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, anadromous fish escapement surveys (carcass, redd, trap/weir, snorkel, etc.), 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.



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- 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. Modify software programs and perform data queries. Prepare summary reports to transfer data.
- Lead crew or assist hatchery manager with maintenance of fish including feeding fish, cleaning tanks, establishing feeding schedules, assessing growth, and monitoring fish health. Collect samples of blood and tissues. Monitor and maintain facility systems, equipment, and water quality. 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.
- Assist in design, development, and installation of components of naturalistic environments. Assist with analysis of the behavior of different species in simulated environments. Videotape, photograph, and record data for characteristics such as growth, health, fitness, social activity, reproductive success, foraging success, and anti-predator behavior.
- Establish and direct sport, commercial, hatchery, and natural spawn sampling and bio-sampling protocols to best meet data requirements.

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.

Additional Mandatory Skills:

- *Fish species ID skills*
- *At-sea survival training and skills*
- *Ability to live at-sea on commercial fishing vessels*
- *Ability to lift baskets of fish weighing up to 50 lbs*

Physical Demands:

Demands can range from sedentary, to moderate --where there is walking, climbing stairs and ladders, reaching, lifting, bending, or extended periods of standing. Some Fishery Biologists in this range have rigorous physical demands where they must be able to handle buckets of water or gear weighing 40-50 pounds, engage in long periods of standing and working on vessels at sea in a variety of weather conditions.



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Work Environment:

Some work is performed in an office setting with adequate lighting, heating and ventilation. Some work may be performed in fish processing labs, fish holding areas, and/or in the field. Employees may work on narrow, elevated walkways and platforms that are over or adjacent to water. Field work involves exposure to all types of weather, slippery rocks or docks, trails, irregular terrain, insects, poison oak, rough or fast-moving water, or cold water temperatures. Work at high elevations or 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 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, age, disability, 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 5:00 p.m. PST, Monday-Friday. Reasonable accommodations for interviews will be provided upon request to individuals with disabilities.

We maintain a drug-free workplace.