Title: Fishery Biologist 1- Scale Age Lab (18-1083)

Location: Santa Rosa, CA (95403)
Anticipated Start Date: September 19, 2018
Position Type: Temporary (6 months or less), Hourly/Non-Exempt
Benefits Eligible: No | www.psmfc.org/benefits
Salary Target: $20.00/hour

Job Number: 18-1083
How to Apply: Online at www.psmfc.org/careers
Closing Date: September 16, 2018 at 11:59pm PT

Position/Project Specifics:

Under the direct supervision of a Senior Environmental Scientist Supervisor, the Fishery Biologist 1 is responsible for the management of Chinook salmon escapement data collected on carcass surveys and from Central Valley hatcheries. In addition, the incumbent will be leading the collection, processing, and analysis of Chinook salmon scales collected from in-river and ocean surveys, information which ultimately contributes to ocean salmon fisheries management decisions.

Duties Include:

·Managing Chinook salmon escapement data collected on carcass surveys and at hatcheries throughout the Central Valley. Responsible for entry, organization, QA/QC, and validation of data. Oversees technician staff in data entry and cleanup. Collaborates with external agency staff to assimilate and validate all inland data sources.

·Using relational database software, the incumbent will be responsible for programmatically generating scale aging assignments from all Central Valley scale collections as well as from collections sampled in California's mixed-stock ocean salmon fisheries, assimilating release and recovery information from multiple inland escapement surveys, programmatically merging databases and performing validation checks to determine scale reader accuracy, and producing age-specific escapement estimates using a maximum likelihood estimator. The resulting age-specific escapement estimates will be used in cohort reconstructions and the development of sibling regressions.

·Leading a sampling program to record biological data, retrieve salmon heads for the recovery of coded-wire tags (CWT), and collect scale samples from fish sampled during escapement at Central Valley hatcheries as well as from recreational and commercial ocean salmon fisheries. Responsible for generating staff schedules, training staff in sampling procedures, developing and ensuring proper adherence to protocols, coordinating with other agency staff, and updating supervisors on hatchery operations, field conditions, and staff performance.

·Reading scales from all four runs of Central Valley Chinook salmon, as well as from Chinook harvested in California's mixed-stock ocean salmon fisheries to determine fish age. Guides other staff in scale sample processing, digital imaging, and reading practices. Maintains up to date inventory and current processing status on all scale collections.

·Attending meetings to determine hatchery spawning operations. Assists with composing project reports, tracking daily staff activities, purchasing, and other office functions as needed.

·Assisting in the collection and management of fishery-dependent and CWT data from recreational and commercial ocean salmon fisheries. Fieldwork may include sampling ocean fisheries and/or inland escapement for CWTs, scales, and tissues.

** This position requires a valid driver's license and all offers of employment will be contingent upon passing a driving record check. **

Essential Functions:

- Lead and participate in survey crews that conduct 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. Modify software programs and perform data queries. Prepare summary reports to transfer data.
- 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.

Knowledge Required by the Position:

- Knowledge of fishery biology (including knowledge of particular species of fish).
- Knowledge of fish husbandry.
- Knowledge of aquatic habitats.
- 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 technical writing protocols.
- Knowledge of statistics and mathematics.
- Knowledge of database management.

- Knowledge of programming languages such as SQL .

Additional Mandatory Skills:

- *elec. detection technology*
- *lift 40-50 lbs.*
- *valid driver's license*
- *fish ageing (scale, otolith, other)*
- *fish species ID skills*
- *compile and collect neat and accurate data*
- *specific software skills (spreadsheet, word processing, database, GIS, statistical)*
- *oral communication skills*
- *written communication skills*

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:

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.

M**inimum 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 POSITION DESCRIPTION

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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 5:00 p.m. PST, Monday-Friday. Reasonable accommodations for interviews will be provided upon request to individuals with disabilities.

We maintain a drug-free workplace.