



PACIFIC STATES MARINE FISHERIES COMMISSION POSITION DESCRIPTION

Title: Fishery Biologist 1- Rotary Screw Trap Crew Leader (19-1174)

Location: Sacramento, California (95814)

Anticipated Start Date: October 1, 2019

Position Type: Full Year, Full Time, Hourly/Non-Exempt

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

Salary Target: \$17.50-\$22.00/hour, DOE

Job Number: 19-1174

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

Closing Date: September 4, 2019 at midnight

Position/Project Specifics:

We are seeking a highly motivated and detail oriented individual to fill the Fishery Biologist position to lead a field survey crew operating rotary screw traps on both the lower American and Stanislaus Rivers. The survey season extends from January through June and the position will be full-time year-round and based in Sacramento, CA.

In collaboration with the Data Management Specialist the biologist will supervise crew members while conducting daily field activities and data collection using rotary screw traps to monitor the emigration of juvenile Chinook salmon. This will include but is not limited to identifying various fish species, assessing life stage and run, collecting environmental data and maintaining field equipment. The candidate will demonstrate safety consciousness and train crew members on all safety and data collection protocols. The candidate must be able to conduct physically challenging field work, in potentially stressful situations, all while maintaining a positive attitude and encouraging crew members to do the same. The candidate must be willing to work in inclement weather and be willing to work weekends, nights and overtime. This position will require working with multiple agencies, technicians, and biologists, so having good interpersonal skills are required. Together with the Data Management Specialist the biologist will help compile and analyze data, develop annual reports, and maintain proper scientific collecting permits.

Preference will be giving to those candidates with previous lead-person or supervisory experience and previous experience trapping and handling juvenile fish.

Duties and responsibilities include:

- Lead and manage a 6-7 person crew in daily field operations at two survey sites
- Operate and maintain 14 foot motorized water craft and 4WD trucks
- Install, operate and maintain 8 and 5 foot rotary screw traps



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- Identify, handle, anesthetize, and collect biological data from juvenile fish species
- Handle endangered or threatened fish species according to permits and protocols
- Assist with daily QA/QC of datasheets and entered data
- Maintain proper scientific collecting permits
- Develop monthly and annual reports

**** 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 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.
- 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.
- Lead and perform data entry for data from recovered tags, representative biological samples, and telemetry devices. Error check the data and update database.

Knowledge Required by the Position:

- Knowledge of fishery biology (including ability to identify juvenile steelhead trout and Chinook salmon).
- 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, and statistical analysis packages.
- Knowledge of technical writing protocols.
- Knowledge of database management.

Additional Mandatory skills:

- *trap and weir experience*
- *elec. detection technology*
- *lift 50 lbs.*



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- *ability to swim 50 yards and tread water for 10 minutes*
- *valid driver's license*
- *tow & maneuver trailers*
- *load boats on trailers*
- *operate motorized boats*
- *operate non-motorized boats*
- *fish species ID skills*
- *compile and collect neat and accurate data*
- *handheld data recorder*
- *specific software skills (spreadsheet, word processing, database, GIS, statistical)*
- *oral & written communication skills (Must be able to read, write and speak English at a level required for successful job performance)*
- *ability to work as part of a team, especially under stressful conditions*
- *repair & maintain equipment*

Physical Demands:

Demands can range from moderate-including walking, climbing stairs and ladders, reaching, lifting, bending, and strenuous sweeping-to rigorous. In the latter case, the employee must be able to handle buckets of water or gear weighing up to 50 pounds. Long daily periods of hiking, carrying equipment, swimming, and/or standing may be required. Camping out or living at sea in vessels with minimal amenities for extended periods may be required. Some work requires the ability to maintain footing in fast-moving water.

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. 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.

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,



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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.