



## PACIFIC STATES MARINE FISHERIES COMMISSION POSITION DESCRIPTION

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### **Title: Fishery Biologist 1- Upper Sacramento Dewatered Redds (19-1136)**

**Location:** Red Bluff, CA (96080)

**Anticipated Start Date:** July 16, 2019

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

**Benefits Eligible:** Yes | [www.psmfc.org/benefits](http://www.psmfc.org/benefits)

**Salary Target:** \$18.00/hour

**Job Number:** 19-1136

**How to Apply:** Online at [www.psmfc.org/careers](http://www.psmfc.org/careers)

**Closing Date:** June 18, 2019 at midnight (PT)

### **Position/Project Specifics:**

The candidates will be required to lead complex fisheries surveys on the Upper Sacramento River Basin and its tributaries. This position is a lead biologist position on the dewatered redds and stranding project and duties will include conducting shallow redd surveys, snorkel surveys, stranding surveys, and fish rescues in an effort to report abundance and assist in the investigation of long term and short term fisheries resource management issues. Other requirements of the position include collecting biological samples, recording accurate data, creating and maintaining a geodatabase using ARCGIS and handheld Trimble units, performing high level data analysis, and technical report writing. On occasion, screw-trapping and tributary snorkel and redd surveys may also be required. Knowledge of salmon and steelhead life histories is required. Experience conducting anadromous fisheries surveys, boat operation and trailer experience is also required. Weekend work is sometimes required.

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



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- 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:**

- *snorkeling*
- *operate trap/weir*
- *operate nets (seine, gill, etc.)*
- *carcass and redd surveys*
- *elec. detection technology*
- *lift 40-50 lbs.*
- *valid driver's license*
- *tow & maneuver trailers*
- *load boats on trailers*
- *operate motorized boats*
- *habitat monitoring*
- *operate GPS*
- *fish species ID skills*
- *compile and collect neat and accurate data*
- *handheld data recorder*
- *specific software skills (spreadsheet, word processing, database, GIS, statistical)*
- *oral communication skills*
- *written communication skills*
- *repair & maintain equipment*

### **Physical Demands:**



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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. Long daily periods of hiking, carrying equipment, swimming, and/or standing may be required. Camping out 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. 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.

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



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We maintain a drug-free workplace.