



## PACIFIC STATES MARINE FISHERIES COMMISSION POSITION DESCRIPTION

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**Title:** Fisheries Technician 2- Feather River Sturgeon Studies (19-1067)

**Location:** Oroville, CA (95966)

**Anticipated Start Date:** March 18, 2019

**Position Type:** Temporary (6 months or less), Hourly/Non-Exempt

**Benefits Eligible:** No | [www.psmfc.org/benefits](http://www.psmfc.org/benefits)

**Salary Target:** \$17.90-\$25.85/hour, DOE

**Job Number:** 19-1067

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

**Closing Date:** February 18, 2019 at Midnight

### Position/Project Specifics:

The selected candidate will engage with the Department of Water Resources (DWR) and PSMFC biologists conducting the Feather River sturgeon studies. In this capacity, the selected candidate will perform work with the DWR to address the primary objectives of the sturgeon studies which are as follows:

- determine if there are adult migration barriers and evaluate the effect of Oroville Facilities operations on passage success and distribution;
- evaluate migration patterns including residence times and factors affecting them;
- identify distribution and habitat preferences;
- estimate the annual abundance of adult Green Sturgeon;
- identify potential spawning grounds that can be target areas for egg and larval surveys and determine the frequency that sturgeon spawn in the Feather River; and
- provide DWR, the FERC, NOAA Fisheries, and CDFW with data to make management decisions concerning future monitoring programs, operational changes to the facilities, and habitat enhancement within the lower Feather River.

The selected candidate will be tasked with the following:

- operate jet boats to conduct DIDSON surveys, egg and larval studies, underwater video surveys; capture adult sturgeon and acoustically tag them; and retrieve, redeploy and maintain telemetry receivers;
- participate in survey crews that conduct behavioral, temporal, and distributional evaluations of sturgeon populations;
- participate in survey crews that collect tissue and blood samples for genetic and histological data;
- participate in survey crews that conduct physical and biological fish habitat assessments;
- participate in survey crews that monitor and evaluate adult return rates;
- make standardized observations for information such as species identification, length, reproductive condition, and/or signs of parasites, diseases or pathogens, fin clips or tags;



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- collect and organize biological and habitat samples and collections (such as fin clips, eggs, larvae, water quality, etc.);
- summarize and input biological or habitat data on field forms, electronic data loggers, and/or desktop computers; and
- assist with preliminary data summaries and analyses, technical report writing, or database management.

The employee is expected to use knowledge of the basic principles and protocols of fish biology to make measurements, readings, and observations; execute tests; collect samples, etc. If complex equipment systems are operated, the employee will perform calibrations or adjustments to achieve desired results.

The employee receives daily directions and is expected to independently perform recurring work. Within established procedures, the employee independently performs tasks sequences. The employee will be provided with or seek direction when technical or procedural problems are encountered.

**Weekend work may be required, and night work is mandatory. Candidates must be comfortable working in and around boats and swift moving water and willing to work long days in varying weather conditions, including heavy rain and extreme cold or heat. Candidates must also be able to work at least two, 10+ hour days/week during the primary sampling season (March-August).**

**\*\* 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, fin clips or tags, and/or signs of parasites, diseases or pathogens.
- Gather research data and organize information from fish samples or experimental projects.
- Lead crew in watershed and stream assessments and habitat surveys. May include stream habitat inventories (channel typing, habitat typing, woody debris, etc.), road inventories, and riparian inventories.
- Update database by entering, checking, and/or editing biological or habitat data that has been inputted on field forms, electronic data loggers, and/or desktop computers. Maintain, organize and provide access to databases. Write memoranda and short reports for transfer of data. Produce summaries including corrections. Produce presentation quality tables and graphs of data.

### **Knowledge Required by the Position:**

- Knowledge of fishery biology (including knowledge of particular species of fish).



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- Knowledge of aquatic habitats.
- Knowledge of the scientific method.
- Knowledge of sampling protocols.
- 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 basic math.

Employees have the knowledge to resolve common technical or procedural problems for themselves or their work crew. They are able to assess or interpret the significance of their results and relate that to the overall objective of the project. They have the knowledge to outline, organize and execute the details of projects where unusual or irregular procedural or technical problems arise.

### ***Additional Mandatory/Desirable Skills:***

- *snorkeling*
- *electrofishing-boat*
- *electrofishing-backpack*
- *electronic detection technol.*
- *able to swim*
- *lift 40 - 50 lbs.*
- *load boats on trailers*
- *tow & maneuver trailers*
- *valid driver's license*
- *operate motorized boats*
- *operate non-motorized boats*
- *operate GPS*
- *habitat typing*
- *habitat monitoring*
- *fish species ID skills*
- *operate handheld data recorder*
- *compile and collect neat and accurate data*
- *specific software skills (spreadsheet, word processing, database, GIS, statistical)*
- *underwater video camera*
- *oral communication skills*
- *written communication skills*
- *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,



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swimming, and/or standing may be required. Some work requires the ability to maintain footing in fast-moving water.

### **Work Environment:**

A portion of the work is performed in an office setting with adequate lighting, heating and ventilation. The majority is performed in fish processing labs, fish holding areas, fish processing plants, and/or in the field. Incumbents 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, trails, irregular terrain, insects, poison oak, rough or fast-moving water, or cold water temperatures. Work at high elevations or aboard boats, research vessels, or commercial fishing vessels may be required.

### **Minimum Qualification Requirements:**

A range of experience and education may be presented. At the lower end of the range, candidates must present one year of Specialized Experience\*\* OR one semester of graduate education that is directly related to the work of the position. 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. An equivalent combination of experience and education is also qualifying.

\*\*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 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.



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