

## **FISH TRAP STUDY TECHNICIAN**

**Reports to: Fish Trap Study Coordinator**

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### **Definition/Summary**

Under direction of the Fish Trap Study Coordinator, the Fish Trap Study Technician has responsibility for assisting with administering the GCID fish sampling and data collection efforts, performing a variety of field activities including daily maintenance and monitoring of rotary screw trap in the GCID bypass channel, recording data, relaying data and assisting with the preparation of all necessary reports. Assists with routine maintenance functions at the main pump station facility as directed.

### **Essential Functions**

- Assists with daily fish sampling and data collection efforts from rotary screw trap located in the GCID bypass channel.
- Assist with daily maintenance and monitoring of rotary screw trap.
- Ability to identify salmonid species to race and ensure that accurate written data is recorded on data sheets.
- Ability to weigh and measure to fork length, collect fish and perform anesthesia, if necessary.
- Ability to safely operate boats and sampling equipment under varying conditions (wind, rain, and fog to hot, dry, sunny conditions).
- Assists with maintaining and disseminating records and data for fish trap sampling study.
- Ability to utilize Excel software for data recording sheets and reporting purposes.
- Ability to operate a variety of hand and power tools to perform routine maintenance work on study equipment.
- Ability to load and unload materials and equipment.
- Assists with routine maintenance functions at main pump station and fish screen facility.
- Demonstrates regular attendance and adherence to prescribed work schedule, including weekends and holidays as scheduled, to conduct job responsibilities.

## **Other Duties**

- Maintains proper work safety standards.
- May be required to learn new techniques and procedures associated with sampling study, rotary screw trap operation and preparation and distribution of related data.
- Complies with all District policies, procedures, rules and regulations including all safety standards.
- Performs related duties and responsibilities as required.
- Must be able to operate vehicle to travel to and from job and meeting sites.

## **Job Standards/Specifications**

### **Knowledge of:**

- Principles, techniques, tools, and materials used to conduct a fish sampling study.
- Basic understanding of biological study protocol.
- Identification of salmonid species and other species that may be processed in rotary screw trap.
- Threatened and endangered species laws and handling procedures.
- Disinfecting procedures for study gear according to Invasive Species protocol.
- Equipment and tools used in maintaining District equipment necessary to study.
- Safe work methods and safety regulations pertaining to the work.
- District policies, rules, regulations and procedures.

### **Ability to:**

- Learn methods and techniques related to operation of rotary fish trap and fish trap sampling study.
- Ability to perform repairs to rotary fish trap and other study equipment.
- Learn to operate a variety of vehicular and stationary mechanical equipment in a safe and effective manner.
- Operate hand and power tools and equipment.
- Perform heavy physical labor.
- Work above and around water safely.
- Understand and follow oral and written directions.
- Communicate clearly and concisely.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Work independently in the absence of immediate supervision.
- Maintain effective audio-visual discrimination and perception needed for successful job performance.

## **Typical Physical Activities**

- Must be able to operate motorized equipment and vehicles.
- Must be able to work above and around water.
- Must be familiar with operating boats and related equipment.
- Ability to carry, push, pull, reach, and lift equipment and parts weighing up to 50 pounds.
- Ability to stoop, kneel, crouch, crawl, and climb during field maintenance and repair work.
- Ability to transport objects by holding them in hands or arms.
- Ability to reach and extend hands and arms in any direction
- Ability to stand and walk for extended time periods.
- Ability to move about on foot through uneven terrain.
- Ability to work in an environment with exposure to dust, dirt, and hazardous materials.
- Ability to work in an environment with significant changes between cold and heat.
- Ability to use a telephone and two-way radio for communication.
- Ability to use office equipment such as computer terminals, fax machines, and copiers.
- Hearing and vision must be within normal ranges with or without correction.
- Ability to communicate orally with District staff in face-to-face, one-to-one settings.
- Ability to work irregular or extended work hours; occasionally required to change work hours or work overtime.

## **Environmental Factors**

- Exposure to the sun: 50% to 100% work time spent outside a building and exposed to the sun.
- Considerable work time may be spent in all types of weather conditions: temperatures above 100 degrees, wind, wet and cold conditions, and humidity.
- Work above floor level: some work done on ladders or other surfaces from 4 to 12 feet above the ground.
- High temperatures: some work time possible in temperatures above 90 degrees.
- Humidity: work in areas with unusually high humidity.
- Wetness: more than 10% of the work time getting part or all of the body and/or clothing wet.
- Noise: occasionally may be exposed to unusually loud sounds.
- Oil: some parts of the body may be in contact with oil or grease occasionally.
- Dust: work in or around areas with minor amounts of dust.
- Irregular or extended work hours: occasionally required to change working hours or work overtime.

## **Desirable Qualifications**

Any combination of education and experience that would likely provide the necessary knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

### **Experience:**

Two years of experience performing field work related to fish sampling and biological studies, and ability to record complicated data.

### **Training:**

Formal or informal education or training that ensures the ability to read and write at a level necessary for successful job performance.

## **License Certificate Registration Requirement**

- Driver's License: possession of a valid California Class C Driver's License required at the time of appointment.