

**Michigan State University
Job Specification**

FISH PRODUCTION TECHNICIAN

Job Description

This position typically performs fisheries management support activities in the Hatchery. This involves operation and maintenance of fisheries facilities and equipment including State's fish hatcheries, and fish stocking. This position will be assigned to the Black River Streamside Rearing Facility located at 7891 Klieber Rd. Onaway, MI 49765.

Primary Duties

Assist with Lake Sturgeon production and research at the Black River Streamside Facility in Cheboygan County, MI. Assist in day-to-day hatchery operation including egg fertilization and treatment, food culture and feeding, monitoring water quality, biosecurity and facility maintenance.

Additional Duties

- Fish planting, including loading of trucks and transporting fish to rearing facilities and planting sites.
- Participate in the collection and fertilization of eggs from fish and cares for and cleans developing eggs during egg incubation.
- Build and maintain research and fisheries field gear.
- Maintain buildings/grounds and operate power tools and equipment.
- Conduct guided tours of fisheries facilities.
- Collect biological data from fish including length, weight.
- Perform specific chemical and biological analysis of water samples.
- Tabulate hatchery data and prepare summaries of reports.
- Treat diseased fish by determining and applying proper treatment.
- Perform related work as assigned.

Routine Duties by Month:

April:

- Assist in testing and deployment of water level and temperature logging devices.
- Facility set up and experimental design construction.
- Water flow test and pump efficiency test.
- Install facility water quality monitoring systems.
- Electrical hookup and alarm test
- Establish alarm contact list and perform multiple tests.
- Calibrate tank flows and quantify facility water usage.
- Inventory of fisheries sampling gear for annual surveys.
- Transport equipment from Oden, Gaylord, and Hunt Creek.
- Assist in creating boat and vehicle maintenance logs.
- Assist in egg fertilizations and early life fish husbandry.
- Administer chemotherapeutants during egg incubation.
- Monitor and change facility filtration system (sock filters).
- Assist in the coordination of staff move-in at Kisser Rd. property.
- Maintain communication with Research Team Leader regarding Kisser Rd. property.

May:

- Continue husbandry of hatchery- and wild produced production fish.
- Quantify daily food rations for fish production.
- Culture brine shrimp daily and administer daily required rations.
- Establish Alarm contact list and perform multiple phone response tests.
- Calibrate tank flows and quantify facility water usage.
- Inventory of Larval Drift equipment and daily preparation for night survey staff.
- Monitor and change facility filtration system (sock filters).
- Administer chemotherapeutants during egg incubation.
- Monitor daily mortality for hatchery and wild-produced production fish.
- Maintain communication with Research Team Leader regarding Kisser Rd. property.
- Review boat and vehicle maintenance logs.

June:

- Continue husbandry of hatchery- and wild produced production fish.
- Quantify daily food rations for fish production.
- Culture brine shrimp daily and administer daily required rations.
- Perform phone response tests.
- Calibrate tank flows and quantify facility water usage.

- Inventory of Larval Drift equipment and daily preparation for night survey staff.
- Monitor and change facility filtration system (sock filters).
- Administer chemotherapeutants during egg incubation.
- Monitor daily mortality for hatchery and wild-produced production fish.
- Maintain communication with Research Team Leader regarding Kissar Rd. property.
- Maintain facility grounds area inside of fence.
- Review boat and vehicle maintenance logs.

July:

- Continue husbandry of hatchery- and wild produced production fish.
- Quantify daily food rations for fish production.
- Culture brine shrimp daily and administer daily required rations.
- Perform phone response tests.
- Calibrate tank flows and quantify facility water usage.
- Inventory of Larval Drift equipment and daily preparation for night survey staff.
- Monitor and change facility filtration system (sock filters).
- Review boat and vehicle maintenance logs.
- Assist in coordinating annual Fish Quality Assessments and Fish Health Inspection.

August:

- Continue husbandry of hatchery- and wild produced production fish.
- Quantify daily food rations for fish production.
- Perform phone response tests.
- Calibrate tank flows and quantify facility water usage.
- Inventory of survey equipment and begin proper overwinter storage assessments.
- Monitor and change facility filtration system (sock filters).
- Review boat and vehicle maintenance logs.
- Assist in coordinating annual Fish Quality Assessments and Fish Health Inspection.
- Assist in implanting tag devices into fish (PIT and CWT).
- Monitor tagged fish for 2 to 4 weeks prior to release.
- Assist in fish stocking activities in Cheboygan River Watershed.
- Assist in hatchery decontamination and seasonal shutdown.
- Lead move out of research staff from Kissar Rd. Property

Qualifications: Minimum of a Bachelor's Degree in Fisheries, Aquaculture or related Natural Resources field. A valid driver's license is required; must be available some weekends, and holidays. Fish culture experience. Additional skills such as: basic construction, electrical, plumbing, and equipment operation and maintenance are required. Applicant should be able to work independently and with a team. Experience in database management and data analyses preferred. Apply via contact/email below.

Salary: Minimum \$14/hr. This is a 5-month position (April – August). Flexible start and end dates to accommodate academic calendar. Position ends 31 August 2019. The selected applicant will be provided with room and board near the field site in Cheboygan County, MI for the duration of the field season. Other necessary field equipment will be provided.

Closing Date: January 5, 2019 or as soon as qualified candidates have been identified.

To Apply: Please email a letter of application, resume and contact information for 3 references to: Doug Larson, Department of Fisheries and Wildlife, Michigan State University at larso147@msu.edu