

Great Lakes Fishery Commission - Fishery Biology Internship

Position: Fishery Biology Intern

Job Description: The Great Lakes Fishery Commission (GLFC) is leading the bi-directional selective fish passage (FishPass) project at the Boardman (Ottaway) River's Union Street Dam in downtown Traverse City, MI to provide up- and down-stream passage of desirable fishes while simultaneously blocking and/or removing undesirable fishes. To achieve FishPass objectives, the FishPass Advisory Board has initiated an Assessment Plan to coordinate monitoring and assessment techniques. Data on fish community structure and dynamics, fish movement/passage, contaminant loading, sea lamprey populations, habitat availability and use, water quality, and stream morphology will be collected pre-, during-, and post-construction at representative reaches of the Boardman River. This assessment design will allow managers to make annual adjustments to adapt FishPass operations in terms of the number of individuals and species passed to effectively enhance fishery production in the Boardman River. The intern will assist GLFC staff to implement key aspects of the FishPass Assessment Plan. The intern shall work under guidelines and policies set by the GLFC and direction from the Principal Engineer (Dr. Daniel Zielinski) and Assessment Biologist (Reid Swanson). This job may include (but will not be limited to) the following tasks:

- A. Monitoring fish movement in the Lower Boardman River
 - a. Assist with maintaining fish telemetry arrays
 - b. Assist in maintaining environmental sensors
 - c. Assist in manual tracking of radio tagged fish
 - d. Collect data from radio and passive integrated transponder (PIT) data loggers
 - e. Assist in fish abundance surveys and telemetry tag surgeries
- B. Managing data
 - a. Assist with data entry and clean-up
 - b. Compile data into tables and graphs using MS Excel software
 - c. Summarize data
- C. Reporting data
 - a. Assist in the development of reports for the GLFC
 - b. Assist in preparation and presentation of data to FishPass Advisory Board and other organizations, as directed.

Start Date: Summer 2020

Application Deadline: 06/01/2020

Rate: \$13.32 per hour (GS-3, step 1).

Commitment: Minimum hourly commitment is 120 hours between May 1, 2020 and December 31, 2020.

Qualifications – Required

1. Minimum age: 18 years
2. Degree: High school diploma
3. Must be enrolled in the Northwestern Michigan College – Freshwater Studies Program
4. Must have a valid driver's license
5. Must demonstrate ability to:
 - a. Work as part of a team with professional staff
 - b. Communicate effectively-written, verbal, and computer skills
 - c. Work well with people
 - d. Work in occasionally inclement conditions (rain, cold)

Qualifications – Preferred

1. Interests: Environmental science, fisheries, and biology
2. Lift heavy equipment (≤ 60 lbs.) as needed in the field
3. Knowledge and Experience
 - a. Computer skills – Excel spreadsheets and word processing.
 - b. Science – biology, fisheries, GPS equipment, and experience working on the water via boats or wading.
 - c. Miscellanies – Organizational note taking and general construction experience.

If interested, please email or send a letter of inquiry and resume to:

Great Lakes Fishery Commission
310 W Front St. Suite 310C Traverse City, MI
Email: FishPass@GLFC.ORG
Phone: (231) 421-1834