

Position: Post-Doctoral Researcher

Project Title: Movements, Connectivity, and Stock Structure of Lake Whitefish, Walleye, and Smallmouth Bass in and around Green Bay, Lake Michigan, using Acoustic Telemetry and Genomics

Location: Wisconsin Cooperative Fishery Research Unit, University of Wisconsin-Stevens Point

Salary: \$53,000 per year; benefits included.

Start Date: ASAP, but August 1st at the latest.

Project Duration: 2-4 years depending on funding; 2.5 years guaranteed.

Project Description: The Wisconsin Cooperative Fishery Research Unit in cooperation with the Great Lakes Acoustic Telemetry Observation System (GLATOS) are engaged in several research projects that involve acoustic telemetry of lake whitefish, smallmouth bass, and walleye in and around Green Bay, Lake Michigan. The post-doctoral researcher will analyze, synthesize, and publish results from these studies as well as assist with ongoing tagging and receiver tending. These projects rely on telemetry data along with genomic information and data from temperature loggers that were implanted in most fish. The researcher will focus on two primary topics: 1) a mixed-stock analysis of lake whitefish in Green Bay combining telemetry and genomics to determine stock contributions to fisheries in southern and northern Green Bay and 2) a telemetry-based assessment of connectivity and genetic stock structure of smallmouth bass stocks in the Great Lakes that includes stocks from both Green Bay and Lake Erie. The smallmouth bass project also includes an experiment to assess whether displacement of bass during tournaments has the potential to disrupt stock structure of bass in the Great Lakes. We are also assessing whether bass utilizing Great Lakes tributaries during spawning are residents or transients. Lastly, the researcher will use existing telemetry and temperature logger data to determine how future changes in Green Bay water temperatures influence the availability of thermal habitat for walleye. The post-doc will work closely with personnel from the Wisconsin and Michigan Departments of Natural Resources, the U. S. Fish and Wildlife Service, GLATOS, several tribes, as well as commercial, tribal, and recreational fishers. The researcher will be expected to publish multiple manuscripts, present at numerous meetings, and contribute to grant writing. The researcher will also have the opportunity to teach (not required).

Qualifications: PhD in fisheries, biology, ecology, or related field. Must have demonstrated analytical abilities and experience using the R programming environment. Previous experience with analysis of mark-recapture or telemetry data preferred, but not required.

To apply: If interested, please contact Dan Isermann via email (dan.isermann@uwsp.edu) or phone (715) 346-3221.

Deadline for application: Until filled.