



Pre-Notice - Quantitative Fisheries Scientist/Ecologist

The U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit will soon invite applications for a Quantitative Fisheries Scientist/Ecologist. The successful candidate will: (1) Develop novel quantitative methods for fisheries stock assessment modeling and near-term ecological forecasting; (2) Develop fish population and ecosystem models that incorporate environmental change and other human-caused impacts to freshwater systems; (3) Assist state, federal, and tribal natural resource agencies in implementing quantitative methods designed to improve freshwater fisheries management; (4) Strengthen the academic program in fisheries and aquatic sciences at the University of Minnesota in its mission to educate future professionals and, in doing so, expand the national capacity of quantitative fisheries science. The successful candidate will contribute to the teaching mission of the Department of Fisheries, Wildlife, and Conservation Biology by advising graduate and/or postdoctoral researchers from diverse backgrounds and cultures and by teaching up to 1 graduate-level course or seminar per year in their area of expertise at the request of the department.

Essential Qualifications

- Must be a U.S. citizen with Ph.D. by the time of application
- Exceptional quantitative skills
- Demonstrated ability to communicate effectively, both orally and in writing
- Ability to secure and administer funds to build and support a vibrant research program
- Ability to work collaboratively and productively with stakeholders and outside partners

Preferred Academic Preparation and Experience

- Post-doctoral, faculty, or agency experience
- Demonstrated research emphasis in quantitative fisheries science or aquatic ecology
- Experience applying quantitative ecological tools to population or community dynamics
- Leadership in a research program that involves development and application of innovative quantitative tools to address applied ecological questions
- Strong publication record in refereed journals
- Track record of interacting creatively, collaboratively, and productively on interdisciplinary teams
- Successful grant writing experience

To Apply

This is a U.S. Geological Survey research scientist position, hired at a GS-12 level with potential for advancement. Submit an application using the USAJobs website (<https://www.usajobs.gov/>; expected posting date April 2020). Questions can be directed to either David Andersen, Unit Leader

(dea@umn.edu) or John Fieberg, chair of the Quantitative Fisheries Scientist/Ecologist Search Committee (jfieberg@umn.edu).

Program Unit/Description

The Minnesota Cooperative Fish and Wildlife Research Unit (MNCFWRU) was established in 1987 and its mission is to conduct research related to fish and wildlife conservation, addressing issues of regional, national, and international significance. The MNCFWRU is one of 40 Coop Units in the U.S. Geological Survey (USGS) Cooperative Research Units Program, and its cooperators include the USGS, U.S. Fish and Wildlife Service, Minnesota Department of Natural Resources, University of Minnesota, and the Wildlife Management Institute. The Department of Fisheries, Wildlife and Conservation Biology on the St. Paul Campus of the University of Minnesota comprises a diverse and integrative group of scientists working on applied and fundamental problems related to the ecology of free-ranging wild animals, management of harvested and invasive species, and conservation of biodiversity. Affiliated research units and outreach facilities include the U.S. Department of Interior, Minnesota Aquatic Invasive Species Research Center, Saint Anthony Falls Laboratory, a statewide network of ten university research and outreach centers, the Lake Itasca Biological Station, the Cedar Creek Ecosystem Science Reserve, the Bell Museum of Natural History (including curated collections), the Minnesota Supercomputing Institute, and the Biomedical Genomics Center. The University of Minnesota campus is located in the heart of the Minneapolis-Saint Paul metropolitan area, which is rich in cultural and natural attractions. Minnesota is renowned for its diverse fisheries and aquatic resources including Lake Superior, 9 other large (> 10,000 ha) lakes, approximately 5,400 fishable inland lakes, and over 18,000 miles of fishable rivers and streams. Recreational, commercial, tribal, and aquaculture fisheries contribute more than \$2.4B to Minnesota's economy.



The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.