



Post-doctoral research associate: Aquatic Landscape Ecology and Applied Hydrology

Location: Department of Fisheries and Wildlife, Michigan State University, East Lansing, Michigan.

We are seeking a highly motivated post-doctoral research associate to contribute to efforts that will characterize limits to and conservation opportunities for fluvial fishes and their habitats throughout the United States. The research associate will have two sets of responsibilities:

1. **Contribute to on-going efforts to model distributions of fluvial fishes throughout their native ranges.** In support of this task, the research associate will contribute to developing species distribution models using established analytical approaches as well as developing recommendations and other products based on results to aid in conserving fishes from both current and future threats. The research associate will work closely with colleagues from USGS to ensure that outcomes from this work, including data, analytical procedures, and modeling results, can be applied by a diverse group of stakeholders nationally.
2. **Develop an approach to characterize the degree to which stream flows may be modified by human influences over large spatial extents.** In support of this task, the post-doctoral research associate will aid in organizing a working group of national experts on stream flow. With input from this group, the research associate will conduct a review of available stream flow data sets and models, describe their comparability, coordinate the synthesis of comparable data, and document both steps and needs for assessing the degree to which flows may be modified by human influences in different regions of the United States.

Qualifications: Ph.D. in aquatic or fisheries ecology, applied hydrology, and/or related field within last 5 years. Applicants must be able to work independently and in collaboration with other researchers; publish findings in peer-reviewed journals; and write proposals and reports. This is a one-year position renewed annually with extension contingent on funding and performance.

Applicants must have a demonstrable understanding of landscape influences on aquatic habitats and organisms and how such influences can vary. A strong background in use of multivariate statistical analysis and/or modeling and experience with Geographic Information Systems are required. The job will involve travel and coordination among various stakeholders. The successful applicant will be supervised by Dr. Dana Infante.

Salary: \$45,000 per year plus benefits

Application Process: Submit a cover letter, statement of research interests and career goals, CV, relevant publications, and contact information for three references to <http://careers.msu.edu/cw/en-us/listing/>, Posting number 472332. Contact Dr. Dana Infante (infanted@msu.edu) with questions.

Closing Date: Review of applicants will begin immediately, and the position will remain open until filled.