Position Information:
Position Title:
Research Scientist I - Natural Resource Ecology and Management
Job Group:
Professional & Scientific
Required Minimum Qualifications:
Bachelor’s degree
Preferred Qualifications:
Bachelor, MS, or PhD degree in Fisheries, Biology, or related field.
Experience trailering and operating a boat
Experience sampling fish in large rivers
Experience identifying larval fishes and zooplankton
Experience with database development and management
Experience in statistical analyses
Experience with database development and management
Valid U.S. Driver’s License with good driving record
Job Description:
Summary of Duties and Responsibilities
The College of Agriculture and Life Science at Iowa State University is seeking applicants for a Research Scientist I position in the Natural Resource Ecology and Management Department to assess invasive carp reproduction and spread in the Upper Mississippi River. This position will provide technical support to research projects by assisting with the collection of fish in the field and processing samples in the laboratory. The successful candidate will develop methods for assessing where and when invasive carp reproduction is occurring in pools 14-16 of the Upper Mississippi River, conduct ichthyoplankton and zooplankton sampling in the field, and larval fish and zooplankton identification in the laboratory. Employee will train students on appropriate use of field and laboratory equipment and will be responsible for data quality control in the field and the lab and database development and management. The successful candidate will also conduct data analysis and assist with writing technical reports and scientific manuscripts. Employee is expected to work closely with state and federal partners to fulfill data and research needs.
The successful candidate will possess excellent organization skills, experience developing and managing databases, technical writing skills, interpersonal communication skills, and the ability to meet deadlines. The candidate will be proficient in MS Office Suite. This position requires in-state travel that will include extended overnight stays during the field season. Position duration is 18 months with the possibility of renewal.
Example of Duties
• Develops, designs and conducts one or more small or moderately complex research projects or experiments in line with plan, reviews progress and evaluates results.
• Formulates research methods and suggests options for improving quality, identifies potential problems, recommends and implements solutions, and collaborates in the development of new techniques.
• Assists with publications and writing or developing grants.
• Trains users in equipment operation and laboratory techniques, explains and demonstrates technology and equipment capabilities, operations, limitations and outcomes.
• Coordinates data collection and screening and verifies the data.
• Conducts analysis of data, interprets and implements research methodology based on outcome of analysis.
Appointment Type: Regular with Term Appointment (Fixed Term)
Proposed End Date or Length of Term: June 30, 2022
Number of Months Employed Per Year: 12 Month Work Period
Time Type: Full time
Pay Rate Type: Salary
Pay Grade: PS806
Application Instructions:
To apply for this position, please click on “Apply” and complete the Employment Application. Please be prepared to enter or attach the following:

1) Resume/Curriculum Vitae
2) Letter of Application/Cover Letter
3) A copy of your academic transcripts

If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

Original Posting Date: November 13, 2020
Posting Close Date: December 13, 2020
Job Requisition Number: R3555