Research Scientist I - Natural Resource Ecology and Management

Ames, IA

Position Information:
Position Title:
Research Scientist I - Natural Resource Ecology and Management
Job Group:
Professional & Scientific
Required Minimum Qualifications:
Bachelor’s degree
Special Required Qualifications
Drivers License
Preferred Qualifications:
Experience conducting fisheries investigations.
Experience sampling fish in rivers, working with acoustic tags and receivers, and analyzing acoustic telemetry data.
MS or PhD in Fisheries, Biology, or related field.
Experience trailering and operating a boat.
Experience with experimental study design.
Experience publishing scientific manuscripts.

Job Description:
Summary
The Department of Natural Resource Ecology and Management in the College of Agriculture and Life Science at Iowa State University is seeking applicants for a Research Scientist I position to assess invasive carp movement and spread in tributaries of the Missouri River. This position will also assess the potential for barriers to limit or stop the spread of invasive carp.

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 deploy and maintain acoustic telemetry receivers in a river and tag fish with acoustic transmitters to assess seasonal tributary movements. This position will also work closely with state and federal partners to develop methods for assessing fish movements associated with an electric barrier. Additionally, this position 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. The successful candidate will also conduct data analysis and assists in writing technical reports and scientific manuscripts.

The successful candidate will possess excellent organization skills, demonstrated 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 which may include occasional overnight stays.

Position duration is one year 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.
Level Guidelines
• Individual contributor position with developing professional and/or technical skills working under immediate to general supervision
• Grasps professional-level knowledge and concepts of field while working in a progressive learning mode
• Works on problems and issues of somewhat limited scope
• Follows standard practices and procedures in analyzing situations or data for which answers are available or can be obtained
• Responds to inquiries and issues, escalating to manager or higher level workers as appropriate
• May lead projects of limited scope and complexity
• May provide guidance to students

Appointment Type:
Regular with Term Appointment (Fixed Term)

Proposed End Date or Length of Term:
December 30, 2021

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) Contact Information for Three References

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:
September 28, 2020

Posting Close Time:
This posting will close at 12:00 AM CST on the date listed below. The posting will no longer be available to apply to after 11:59 PM CST the day prior.

Posting Close Date:
November 6, 2020

Job Requisition Number:
R3269