

Invasion & Movement Ecology PhD Research Assistantship @ SDSU



Open PhD Graduate Research Assistantship for a student to conduct research on the movements of invasive carp and examine how invasive carp may have altered native species abundance and distributions. The student will continue the collection of invasive carp acoustic telemetry data to add to an existing multiyear dataset and identify research questions using this dataset. Additionally, the student will assess native fish community changes in a river invaded by invasive carp and establish demographic metrics for invasive carp in South Dakota.



The student will have extensive opportunities to collaborate with other universities and federal and state agency staff to inform the management of invasive carp. Student is expected to complete research (planning, field work, analysis), lead publications, contribute to report writing, present at conferences, and complete coursework. Opportunities for undergraduate and graduate student mentoring. Teaching opportunities exist but are not required.

Qualifications: Required: Minimum GPA of 3.0, B.S. in Fisheries, Biology, Aquatic Ecology, or related field (Completed by start date), valid driver's license. Research experience including the following – scientific writing, experimental design, coordinating and conducting field work, data analysis, and conference presentations.

Preferred but not required: M.S. in Fisheries, Biology, Aquatic Ecology, or related field (Completed by start date). Experience with R and in publishing peer-reviewed research.

BIPOC, LGBTQ+, women, and other underrepresented groups in STEM are encouraged to apply.

GRE not required.

To Apply: If interested, please submit 1) a cover letter explaining your interest in the position, 2) a resume or CV, 3) unofficial transcripts, 4) a writing sample [preferably a publication or manuscript], and 5) a list of three references and their contact information. Application materials should be combined into a single PDF and submitted to Dr. Coulter (Alison.Coulter@sdstate.edu). This student will be co-advised by Dr. David Coulter and Dr. Alison Coulter. Please use the subject line – Invasive Fish PhD. For full consideration, apply by 11/22/2024. Position starts May 2025.