Assessing the distribution and abundance of Bridle Shiner
Notropis bifrenatus, a fish species of special concern in Maine

M.S. Graduate Assistantship
University of Maine, Orono

Responsibilities: Incumbent will step into a three-year study on the distribution and abundance of bridle shiner, a fish species of special concern in Maine. The fish is small, but the challenge will be great. The project will incorporate historic data, standard field surveys and the use of environmental DNA to assess current distributions. GIS modeling will be used to identify areas in Maine that have habitat characteristics consistent with the requirements of the species. While electrofishing, GIS and eDNA experience would be beneficial, a willingness to learn is a necessity. Good communication skills are essential, as this project will be strongly collaborative with the State of Maine. One to two semesters of TA support are anticipated. The student will be co-advised by J. Zydlewski and S. Coghlan, Jr.

Qualifications: B.S. in biology or equivalent, quantitative skills, interest in fisheries science and excellent work ethics. GPA of 3.2+ and GREs >50th percentile desired.

Salary: $24,000 per year (3 year), $2,331 health, and tuition.

Closing date: October 21, 2020; anticipated starting date of Jan 1, 2021

Contact: Send CV, transcript copies, 3 refs (names only) and GRE scores to Joe Zydlewski (email josephz@maine.edu)

Links: https://www1.usgs.gov/coopunits/staff/480833; https://umaine.edu/wle/faculty-staff-directory/stephen-m-coghlan-jr-2/