

Title: MS Assistantship - Nutrient Cycling and Plankton Dynamics of Yellowstone Lake

Agency, Location: Department of Zoology and Physiology and Wyoming Natural Diversity Database, University of Wyoming

Categories: Student

Stipend: \$16,104 per year and tuition waiver

End Date: September 15, 2017

Responsibilities: The Department of Zoology and Physiology and the Wyoming Natural Diversity Database at the University of Wyoming has a position available for an M.S. student to investigate the nutrient cycling and plankton dynamics in Yellowstone Lake, Yellowstone National Park after 20+ years of suppressing invasive lake trout to conserve Yellowstone cutthroat trout. The student will work closely with Yellowstone National Park's Native Fish Conservation Program to address how the structure of the food web has changed (zooplankton and phytoplankton) and how suppression efforts have changed nutrient cycling in the lake (nitrogen and phosphorus cycling). The student will spend summers collecting data at Yellowstone Lake and the remainder of the year at the University of Wyoming in Laramie. The student will begin in January 2018. The project is fully funded including stipend, tuition and health insurance for 2.5 years.

Qualifications: Students with a strong research background in aquatic ecology and statistics will be given first consideration. Superior applicants will have well-rounded backgrounds in aquatic ecology with an emphasis on nutrient cycling and plankton identification. Desirable qualifications include demonstrated quantitative and writing skills, extensive field experience, and the ability to work as part of a research team in an extremely remote location within Yellowstone National Park. Applicant must have strong interests in conserving native trout; advancing science to mitigate for invasive, nonnative fishes; and working with natural resource agencies and stakeholders. Selection will be based on GPA, GRE scores, experience and letters of recommendation.

Contact: To apply, please send an email to Dr. Lusha Tronstad (tronstad@uwyo.edu) and Dr. Todd Koel (todd_koel@nps.gov) that contains the following: (1) cover letter describing credentials and professional goals; (2) curriculum vitae; (3) email address and phone number for three references; and (4) a copy of university transcripts and GRE scores. Formal application to the graduate program at University of Wyoming, including official transcripts and GRE, is required subsequent to selection of the successful candidate. Inquiries about the position are welcome.

Email: tronstad@uwyo.edu, todd_koel@nps.gov

Link: <http://www.uwyo.edu/wyndd/>

<http://www.uwyo.edu/zoology/>

<https://www.nps.gov/yell/planyourvisit/fishing.htm>

