

April 8, 2019



Global Water Center

University of Nevada, Reno

Solutions for sustainabilitysm

The University of Nevada's Global Water Center: Solutions for Sustainability (www.unr.edu/water) seeks dedicated and talented early career, postdoctoral researchers to engage in projects that are collaborative and multi-institutional in nature.

Invasion Ecology and Ecosystem Change in Lake Tahoe

Location: Reno, NV and Lake Tahoe (USA)

Start Date: June 1, 2019 or soon thereafter.

Duration: 2.5 years

Project Summary

Lake Tahoe is nearshore-littoral zone is experiencing increased stresses from eutrophication and the establishment of invasive species. Invasive, signal crayfish have increased in density over time and may play a significant role in controlling invertebrate food web structure, periphyton community dynamics, and nutrient cycling within the nearshore ecosystem. Through experiments and modelling, we want to quantify the relationship between invasive crayfish, changes in benthic food web structure, and nearshore periphyton productivity and community dynamics. In addition, we are looking for a scientist that has interest in engaging with policy makers and managers to develop science based policies for conserving Lake Tahoe.

Position Principal Responsibilities

- Conduct field and laboratory experiments, comprehensive literature reviews, data synthesis and analysis, statistical analysis,
- Write papers for submission to peer reviewed scientific journals as both lead and co-author
- Represent the Center on multi-stakeholder committees involving scientists and managers that seek to restore the nearshore of Lake Tahoe,
- Prepare and give oral presentations at international and local meetings,
- Participate in outreach to landowners, decision makers, funders, and the general public,
- Coordinate field and laboratory undergraduate assistants.

Desired Qualifications for this Position

We seek an experienced, organized individual with a background in aquatic ecology, invasion biology with an interest in restoration ecology and engaging with management agencies by attending meetings related to the development of environmental policy. Ability to dive and snorkel is a plus!

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To apply, please send the following:

- 1) a cover letter (no more than 2 pages) articulating your qualifications for the position, a copy of peer-reviewed papers that are drafted, accepted or in review, and contact information for references; and
- 2) a CV

Applicants that have demonstrated the ability to publish in peer-reviewed journals and work in a collaborative setting will receive beneficial consideration.

Postdoctoral researcher positions require the completion of a PhD by the start date for the position. Applicants with more than 5 years from the date of receiving your PhD are not eligible to apply and will not be considered.

The salary rate for postdoctoral research positions is \$47,500 per year.

Material should be sent to Sudeep Chandra (sudeep@unr.edu).