



THE OHIO STATE UNIVERSITY

**POST-DOCTORAL SCIENTIST POSITION IN FISHERIES ECOLOGY**  
**The Ohio State University – Aquatic Ecology Laboratory**

**Description:** Drs. [Jim Hood](#) and [Stu Ludsin](#) at The Ohio State University are seeking a postdoc to work on a Great Lakes Fishery Commission (GLFC) project focused on developing quantitative and qualitative models of the Lake Erie ecosystem to advance ecosystem-based fisheries management of Lake Whitefish, Walleye, and Yellow Perch. Specifically, this project focuses on developing and evaluating conceptual models describing how the recruitment of the focal species is influenced by climate change, nutrient management, fishery harvests, and invasive species. We will engage stakeholders in a workshop to develop conceptual models as a fuzzy cognitive maps (FCMs) and also utilize an information-rich timeseries dataset to quantitatively evaluate those conceptual models. The post doc would be expected to use the timeseries data to quantitatively evaluate the ecosystem model and develop quantitative predictive models of recruitment that can ideally support ecosystem-based fisheries management by identifying potential indicator variables and management thresholds/targets.

Additional research responsibilities include writing, editing, and submitting manuscripts for publication; submitting annual progress reports to the GLFC; and presenting research talks to sponsors and stakeholders and at professional meetings. Opportunities to help mentor undergraduate and graduate student researchers and teaching can be made available, if desired.

Two years of funding exists for this position. An ideal start date for this position is Spring 2024, with a summer start being possible, if needed.

**Qualifications:** Required qualifications include: (1) a PhD in fisheries science, limnology, ecology, or related field; (2) a strong statistical background; (3) demonstrated ability to conduct independent research, as evidenced by first-authored publications; and (4) strong written and oral communication skills. Experience managing and analyzing large datasets with time-series analysis, structural equation models, or generalized additive models would be beneficial, as would the ability and desire to collaborate with academics and agency biologists.

**Salary:** \$50,000-55,000 annually, depending on experience, plus comprehensive benefits package

**Location:** Successful candidates will join a dynamic, interactive group of faculty, post-docs, and students at the Aquatic Ecology Laboratory (AEL; <http://ael.osu.edu/>), in the Department of Evolution, Ecology, and Organismal Biology (<http://eeob.osu.edu/>). Office space and computer support will be provided in the AEL, located on Ohio State's main campus. Annual support to attend scientific meetings will also be provided.

**How to apply:** Apply online at [https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Post-Doctoral-Scholar\\_R97052-2](https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Post-Doctoral-Scholar_R97052-2). Please provide: 1) a cover letter, 2) a personal statement describing research interests, career goals, and relevant experience; 3) a current CV; and 4) contact information for three professional references. Questions about this position should be directed to Jim Hood ([hood.211@osu.edu](mailto:hood.211@osu.edu)). We will begin reviewing applications on **23 February 2024**.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other basis under the law.

