



## POSTDOCTORAL SCIENTIST POSITION IN FISHERIES ECOLOGY

The Ohio State University – Aquatic Ecology Laboratory

Fisheries and Oceans Canada – Bedford Institute of Oceanography

**Description:** Drs. Michael Fraker, Stuart Ludsin, James Hood, and Kenneth Frank are recruiting a Postdoctoral Researcher for a study that will conduct the initial stages of a fisheries-focused integrated ecosystem assessment of the Lake Erie ecosystem. We will use multivariate analyses of long-term physical, chemical, and biological datasets to quantify patterns and trends in the structure and function of the Lake Erie ecosystem and identify drivers of those trends. We will then use similar multivariate analyses, as well as mechanistic modeling, to infer how ecosystem trends have driven the dynamics of ecologically and economically important fishes. The incumbent will also have the opportunity: 1) to help organize and participate in a workshop during which we will disseminate information and results to Lake Erie management personnel and stakeholders to facilitate their movement toward ecosystem-based fisheries management in the Great Lakes; and 2) to collaborate on future grant proposals and follow-up projects. Support to attend scientific meetings will also be provided.

**Location:** Preferably, the incumbent would join a dynamic, interactive group of faculty, post-docs, and students at the Aquatic Ecology Laboratory in the Department of Evolution, Ecology, and Organismal Biology ([www.eeob.osu.edu/](http://www.eeob.osu.edu/)), located on Ohio State's Columbus campus. However, alternative arrangements may be possible (i.e., being based in Nova Scotia, Canada with Ken Frank).

**Qualifications.** The successful applicant will be creative, motivated, and capable of working both independently and cooperatively. Minimum qualifications include a PhD in ecology, fisheries, limnology, oceanography, biostatistics, or a related field. Strong quantitative and written and oral communication skills are required. Ideal candidates will have a knowledge of multivariate statistics, computer programming experience (ideally in R), and a track record of peer-reviewed publications.

**Salary:** \$48,484/year plus a comprehensive benefits package

**Duration:** 1.5 years

**How to apply:** Please submit the following materials to Dr. Michael Fraker ([fraker.24@osu.edu](mailto:fraker.24@osu.edu)): **1)** a cover letter that briefly describes your educational and research background and your interests and career goals; **2)** your CV (or resume); and **3)** contact information for at least three professional references. Please place "Lake Erie Ecosystem Postdoc" in the subject line.

Application review will begin immediately and will continue until a suitable candidate is found. An ideal start date would be during winter/spring 2019. Please direct questions to Dr. Fraker at [fraker.24@osu.edu](mailto:fraker.24@osu.edu).

### Project Team:

[Michael Fraker](#), [James Hood](#), and [Stuart Ludsin](#)

Aquatic Ecology Laboratory, The Ohio State University, Columbus, OH

[Kenneth Frank](#)

Fisheries and Oceans Canada, Bedford Institute of Oceanography, Dartmouth, NS