

Subject: Postdoctoral Position Available - Detection Probability of Rare Fishes

The University of Toronto and Ontario Ministry of Natural Resources is seeking a postdoctoral fellow to lead a research project on the detection and monitoring of wetland fishes at risk co-supervised by Nick Mandrak (Toronto) and Scott Reid (OMNR).

A third of Ontario fish species at risk is found in Great Lakes coastal wetlands. Wetland fishes at risk have been negatively impacted by wetland draining, aquatic vegetation removal, increased siltation and nutrient loading, and invasive species. A priority action identified across recovery strategies for these species is the development and implementation of standardized sampling protocols for species detection and population monitoring. Data collected using such a protocol are essential for: (i) delineating areas of protected habitat; (ii) evaluating the success of recovery efforts; (iii) tracking trends in distribution and abundance; and, (iv) setting recovery targets. The postdoctoral fellow will be responsible for conducting analyses on detection probability and population estimates for wetland fish species at risk using an existing dataset comprised of data collected specifically for these analyses.

Applicants must hold a Ph.D. in Ecology (or a related field) at the time of starting this fellowship. Strong quantitative skills, and excellent organizational, interpersonal, oral and written communications skills, are required. Working knowledge of detection probability, population estimates, and associated analyses are a definite asset.

Review of applications will begin immediately and continue until the position is filled. Interested applicants should submit a CV and a cover letter outlining their qualifications and research interests to:

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