



MSc or PhD Opportunity in Aquatic Toxicology

Project Description

A graduate student (MSc or PhD) is wanted as part of a large, collaborative research project evaluating flood, fire and increasing temperature risks posed to upper Fraser watershed salmon stocks in a rapidly changing climate. The role of this graduate student will be to determine the effects of increasing water temperatures and wildfire-contaminated spawning habitat on interior Pacific salmon early life stages. The larger project seeks to define the influences of environmental change on sustaining salmonid populations within Quesnel Lake and large lakes in the region using a multidisciplinary approach that links detailed process measurements with integrated hydrometeorological and physical lake models.

Position Details

The successful candidate will enroll in a graduate program (MSc or PhD) in Natural Resources and Environmental Studies, University of Northern British Columbia (UNBC) in Prince George, BC (<https://www2.unbc.ca/nres-graduate-program>). Graduate stipends of \$20,000/year for two years for an MSc student or \$25,000/year for three years for a PhD student will be provided through the funded project, although it is anticipated that additional financial support may be available from NSERC scholarships. UNBC also offers scholarship and teaching assistantship opportunities. Courses will be delivered at UNBC's Prince George Campus, and research will be conducted at the Quesnel River Research Centre (<https://www2.unbc.ca/quesnel-river-research-centre>).

Supervisors:

- Dr. Jason C. Raine, Operations Manager of the Quesnel River Research Centre and Adjunct Professor UNBC
- Dr. Philip N. Owens, Department of Geography, Earth and Environmental Sciences, UNBC

Desired Qualifications

- University degree in Biology, Environmental Science or a related field: BSc-Honours (for MSc Position) or research-based MSc (for PhD position).
- Demonstrated experience in fish biology, molecular biology and/or fish ecotoxicology.
- Demonstrated written and verbal communications skills in English.
- The ability to work well independently and as part of a team.

Application

Expressions of interest should be prepared as a **single PDF file** emailed to jason.raine@unbc.ca and philip.owens@unbc.ca with the subject line "**QRRC Graduate Position 2025**". For more information, please contact Dr. Jason Raine (jason.raine@unbc.ca).

Applications received by **August 1, 2025** will be given full consideration, but applications will be accepted and reviewed until the position is filled. UNBC encourages applications from all qualified individuals, including women, Indigenous people, visible minorities, and persons with disabilities.