



# Graduate Student Opportunities

*Open to Canadian citizens and permanent residents*

## Project Description

An international team of ecotoxicologists, chemists, and engineers have come together to better understand the effects of pipeline oil spills in Canada's west coast rivers on chinook salmon (*Oncorhynchus tshawytscha*). This ambitious research program involves simulating spills of diluted bitumen in outdoor experimental rivers at the *Quesnel River Research Center (QRRC)* in British Columbia. This study will answer whether residual oil trapped in salmon rearing habitats impairs the health and survival of chinook embryos and alevins.

## Position Details

The successful candidate will enroll in a graduate program (MSc or PhD) in the Department of Biology at Queen's University in Kingston, Ontario. Guaranteed annual graduate stipends in the Department of Biology are \$24.3K for MSc and \$25.8K for PhD, plus \$5-10K top-ups for incoming students holding NSERC Scholarships. Students will be co-supervised by Dr. Diane Orihel and Dr. Jason Raine. The student will conduct a thesis project based at the *QRRC* on the effects of diluted bitumen on early life stage salmon.

## Desired Qualifications

- University degree in biology or environmental science: BSc-Honours (for MSc Position) or research-based MSc (for PhD Position)
- Theoretical knowledge of fish biology and/or fish ecotoxicology
- Practical experience handling and sampling fish (or other aquatic vertebrates)
- Experience working outdoors in field jobs under adverse conditions
- Desire to be based at a remote field station for long periods (3-5 months/year)
- Team-oriented and committed to promoting equity, diversity, and inclusion

To apply, please email an application package to Dr. Orihel ([diane.orihel@queensu.ca](mailto:diane.orihel@queensu.ca)) with the subject line "**ROE Position 2023**" containing the following:

- i) One-page cover letter explaining your interest in the project, how you meet the desired qualifications, and confirming you are a Canadian citizen/permanent resident;
- ii) University transcripts;
- iii) A writing sample (e.g., thesis or published paper); and
- iv) Contact information (name, position, affiliation, work email) for 3 references.

**Application deadline is October 30, 2023, but early applications are encouraged.**

*Applications from Indigenous, Black, LGBTQ+, and persons from other underrepresented groups are welcome.*