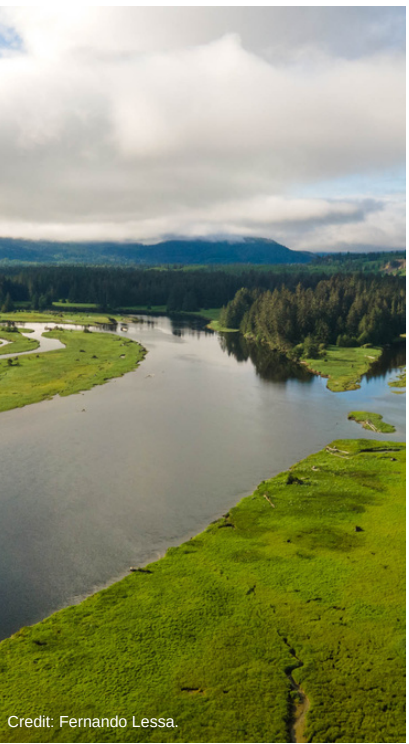

Credit: Julian Gan.


Credit: Emma Gr...


Credit: Fernando Lessa.

SALMON WATERSHEDS LAB

Ecology & Conservation of Aquatic Systems

Jonathan Moore and Team

RESEARCH TECHNICIAN: CUMULATIVE EFFECTS IN SALMON-BEARING WATERSHEDS

THE LAB

The Salmon Watersheds Lab (SWL) at Simon Fraser University (SFU) studies aquatic ecology in collaboration with diverse partners to inform management and conservation, with a focus on salmon and their watersheds. Our group is a part of the Earth to Ocean Research Group.

THE PROJECT

The Salmon Watersheds Lab is seeking a motivated assistant to help with a project within the Watershed Futures Initiative focusing on the cumulative effects of human activities on salmon!

Human activities such as mining can impact salmon survival and productivity through multiple pathways. Yet most research examines only single pathways of impacts and their effects. We aim to better understand the ways that human activities can impact salmon holistically, by examining cumulative effects. Cumulative effects are additive, synergistic, or subtractive effects caused by multiple stressors. In this case stressors, such as increased temperature, decreased flow, can individually or cumulatively impact salmon survival, and **we aim to quantify this using a literature review.**

This project will take place between January– April 2023 and will involve assisting with a literature review. Ideal candidates will be able to self motivated, organized, and have good teamwork and communication skills. In this position will provide and opportunity to learn how to complete a literature review and delve deep into understanding the linkages between human land use activities and their impacts on salmon survival. **This work can be done remotely but if possible could include in-person training.**

EXPERIENCE AND QUALIFICATIONS

- A Bachelors degree (or equivalent) in a natural sciences discipline;
- Experience managing large datasets;
- Experience with Microsoft office suite especially excel;
- Experience with spatial analyses would be an asset but is not required;
- Ability to work independently;
- Being part of a collaborative team and working with diverse peoples.

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FUNDING AND TIMELINE

Ideally, the **start date** for this position will be **January 2, 2022**. This project has funding for a period of Sep-April 2023 with a potential to extend into Summer 2023. Salary for this position is ~ $20/hr, commensurate based on experience, 35 hours per week.

TO APPLY

Applicants should email a CV and a brief cover letter to adminjwm@sfu.ca and swa130@sfu.ca with the subject: “Research Tech Application—WFI” and your name, to apply. **Applications will close 5 pm PST on November 18, 2022.** Please note that only applicants proceeding to the next round will be contacted regarding the outcome of their application. Interviews will take place in the first week of December.

In addition, please note:

- Your CV (PDF) should reference relevant work and educational experience and contact information for three (3) references;
- Your cover letter (PDF) should be two (2) pages or less and should address:
  - Relevant scientific experience and skills;
  - Why you are interested in the project.