



GRADUATE RESEARCH IN SALMON ECOLOGY AND CONSERVATION

The [Salmon Watersheds Lab](#) is seeking up to two graduate students to join our team in 2023 at Simon Fraser University in British Columbia, Canada! We study aquatic ecology in collaboration with diverse partners to inform management and conservation, with primary focus on salmon and their watersheds. Our group is a part of the Earth to Ocean Research Group in the Department of Biological Sciences, as well as the School of Resource and Environmental Management.

PROJECT 1: WATERSHED CUMULATIVE EFFECTS, CLIMATE CHANGE, AND FISH COMMUNITIES

This project will examine the vulnerability of BC's river fish communities to climate change and land use. This project will primarily consist of spatial analyses, meta-analysis, analyses of existing data, and potentially some field work in British Columbia rivers systems. The preferred candidate will have a background or aptitude for quantitative approaches, with particular focus on spatial analyses. Key collaborators will be provincial scientists with British Columbia and the broad community of people working on cumulative effects. Start date of May 2023 or Sept 2023.

PROJECT 2: CLIMATE CHANGE AND SALMON HABITAT COMPLEXITY

This project would examine the impacts of climate variability on complex aquatic habitats and how salmon cope with these dynamics. The project would have an intensive field work component, and would be set within either a climatically-diverse interior BC watershed, or within estuaries. The preferred candidate will have a background with field research experience on salmon and their habitats, working in challenging and remote conditions in collaborative settings. Key collaborators will be First Nations experts and agency scientists. Start date of May 2023 or Sept 2023.

FUNDING AND PROGRAM

For each of these positions, it is anticipated that there will be funding available to cover graduate student stipend and research. Minimum stipend is \$26K/year. It will be expected that the successful candidates will also apply for fellowships. Applicants for both Masters and PhD programs will be considered, with preference for candidates interested in PhDs.

TO APPLY

Applicants should email a CV and a brief cover letter (2 pages or less) to adminjwm@sfu.ca with the email header "2022 Grad Student Application". Applications will be reviewed starting **November 15, 2022.**

The CV should reference relevant work and educational experience and include GPA and contact information for 3 references. The cover letter should specify which project (#1 or #2) is of primary interest, outline relevant ideas, and describe motivation, scientific experience, and skills. Both documents should be pdf files and the file names should start with the last name of the applicant.

