

Amanda R Wik

+1 (778) 251-7248

New Haven, CT 06511

amanda.wik@yale.edu

EDUCATION

Yale School of the Environment

New Haven, CT

Candidate for *Master of Environmental Science*, 2024

- **Focus:** ecology and conservation biology
- **Master's Thesis:** carbon cycling and native species in saltwater marshes under climate change
- **Scholarships:** Yale School of the Environment Merit Scholarship

Simon Fraser University

Vancouver, BC, Canada

B.S. Environmental Science Honours, 2021

- **Undergraduate Thesis:** Are salmon umbrella species for decomposition in urban streams?
- **Scholarships and Awards:** Honours first class with distinction (4-year GPA > 4.00/4.33), NSERC Undergraduate Student Research Award, Beverly Raymond Scholarship in Biological Sciences, Ron Macleod Scholarship in Environmental Science, SFU Deans Academic Excellence Scholarship in Environment, SFU Alumni Scholarship, SFU Merit Scholarship

PAST RESEARCH EXPERIENCE

Are salmon umbrella species for decomposition in urban streams?

Vancouver, BC, Canada

Simon Fraser University

January 2021 – August 2022

- Researched whether Pacific Salmon are umbrella species for ecosystem function in Vancouver urban streams, where restoration on their behalf provides co-occurring benefits to macroinvertebrates and microbes that conduct organic matter decomposition.
- Publication in submission.

Framework for assessing ecological health in Vancouver's NMA

Vancouver, BC, Canada

Simon Fraser University

2020

- Developed a framework for the Vancouver Parks Board to assess the ecological condition of Naturally Managed Areas (NMA) in Vancouver and applied it to assess a local park and recommend management actions.

Framework for assessing ecological health in Vancouver's NMA

Vancouver, BC, Canada

Environment and Climate Change Canada

2019

- Validated the Merx 245.7 Cold Vapour Atomic Fluorescence Spectrometer for freshwater total mercury monitoring and wrote a Standard Operating Procedure for its use in freshwater inorganic chemistry labs.

WORK EXPERIENCE

The Nature Trust of British Columbia

Vancouver, BC, Canada

Conservation Field Crew and Communications Assistant

May 2020 – April 2022

- Managed and restored conservation properties as part of a 178,000-acre land trust by mapping features, removing invasive species, installing signs, installing bird boxes, and managing human interactions. Monitored wildlife and plants through species identification, mapping, surveys, and wildlife cameras.
- Educated the public about non-profit land conservation through blogs, magazine articles and social media. Wrote media releases and reports on land management, restoration and land acquisition.

Simon Fraser University – School of Environmental Science

Vancouver, BC, Canada

Research Assistant

May – September 2021

- Worked as a research assistant for Dr. Chelsea Little conducting field and lab experiments to test carbon cycling in urban Vancouver streams, with funding from a Natural Sciences and Engineering Research Council of Canada Undergraduate Student Research Award.

Simon Fraser University - Faculty of Environment*Teaching Assistant*

Vancouver, BC, Canada

January – April 2021

- Planned and led tutorials, hosted office hours, answered student questions, and graded exams and assignments for the course EVSC100 Introduction to Environmental Science.

Associated Environmental*Contract Field Technician*

Vancouver, BC, Canada

September – December 2020

- Assisted with wildlife salvages by installing, maintaining and monitoring traps for endangered species.

Environment and Climate Change Canada*Chemistry Technician*

Vancouver, BC, Canada

May – December 2019

- Conducted chemical analyses to determine the nutrient, metal and solid content in water samples from water bodies across BC and the Yukon. Operated instruments for chemical analysis, including Flow Injection Analysis, PC Titrate and ICP Mass Spectrometry.

City of Richmond*Nature Instructor*

Vancouver, BC, Canada

May – June 2019

- Taught youth about topics in biology and led them through explorations of local parks to connect to nature.

ESL Teacher*Sprott Shaw College – Global Leaders Camp*

Vancouver, BC, Canada

May – June 2018

- Created and implemented lesson plans to teach English to a class of 15 - 20 ESL high school students, and led students aged 9 - 17 through a variety of activities and outings designed to improve their English outside of the classroom.

VOLUNTEER EXPERIENCE**Simon Fraser University - School of Environmental Science***Student Representative*

Vancouver, BC, Canada

January – August 2021

- Acted as the student representative for the department Steering Committee (Environmental Science degree and research program development), as well as the Hiring Committee of a new professor.

Simon Fraser University - Environmental Science Student Union*President*

Vancouver, BC, Canada

September 2018 – August 2021

- Planned networking, social and educational activities for Environmental Science students, including Wilderness First Aid training and R workshops.

Simon Fraser University - School of Environmental Science*EnvironMentor*

Vancouver, BC, Canada

September 2020 – April 2021

- Mentored incoming students to guide them through the transition and get them involved in the community.

CONFERENCE PRESENTATIONS

- Society for Freshwater Science Pacific Northwest Chapter Annual Meeting, 2021
- Canadian Society for Ecology and Evolution Annual Conference, 2021

SKILLS & INTERESTS

- **Skills:** fluent in French, certified in Advanced Wilderness First Aid, experience using R and excel
- **Interests:** acrylic painting of mountains and landscapes, multi-day overnight hiking, ultimate frisbee