

## Summer 2023 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Initiative (USI) is pleased to offer current UBC graduate students the opportunity to work on funded sustainability internship projects. Successful candidates work under the mentorship of a partner organization, and are immersed in real world learning where they can apply their research skills and contribute to advancing sustainability across the region.

- Visit the [Sustainability Scholars Program website](#) to learn [how the program works](#) and to [apply](#).
- Be sure to review the application guide on the Apply page to confirm your eligibility before applying.

**Applications close at midnight on Sunday January 29, 2023.**

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### > This is a Fraser Estuary Research Collaborative Project <

The [Fraser Estuary Research Collaborative](#) (FERC) is focussed on advancing efforts to protect the Fraser River estuary in collaboration with key NGO and Indigenous partners. If you are interested in producing new knowledge and supporting Fraser estuary protection through scientific, technical, governance and policy innovations, the following project might be for you.

Read on for more details.

## Project title: Graphic Rendering of a Restored and Resilient Fraser Estuary

### **Project Background & Overview:**

A graphic Rendering or image synthesis is the process of generating an image by means of a computer program. The image represents the potential of that space. For example, when a developer wants to sell the idea of a new townhouse development on a vacant property, they develop visual graphic renderings to present the ideas to potential investors and buyers.

Rivershed is taking a similar approach to support work to restore the Fraser Watershed. By presenting potential restoration projects in a visually appealing, and easily digestible way, to elevate support for the projects.

This effort will build toward our larger project of developing a watershed wide visualization tool depicting a resilient Fraser, with 30% protected and 5% restored, however this initial scope is focused on the Fraser Estuary.

## **Project description**

This project is a part of a larger project to create a visualization tool of a resilient Fraser Watershed. This tool will present a pathway to achieve 30% protection and 5% restoration in the Fraser watershed.

Building off the work done by a [Sustainability Scholar](#) in 2021, this project will develop a series of graphic renderings, which when stitched together, will depict a restored and resilient Fraser Estuary.

This project will be used to elevate and support restoration efforts in the Fraser estuary by encouraging public support and capital investments.

Depending on the time needed to complete this project, further renderings may be completed on other potential restoration projects in the Fraser Estuary.

We are in communication with other partners to develop further renderings as well, including Resilient Waters, Ducks Unlimited and Pacific Salmon Foundation.

These renderings will represent the values and benefits of the projects and be utilised to gain public and partner support, as well as funding for the project.

## **Project scope**

This project is a part of a larger effort to present a vision of a resilient Fraser Watershed. By developing a pathway to 30% protected and 5% restored, we will enable partners throughout the Fraser to push funders and government to support protection and restoration efforts.

These protection and restoration goals are needed to make the Fraser Watershed Resilient. A resilient watershed has the capacity to retain and improve community, economic and ecosystem health, even during major disturbances, such as climate change.

The Sustainability Scholar will:

- Conduct interviews with experts to identify the technical requirements and limitations of jetty breach restoration project and priorities.
- Develop a graphic rendering/vision of the restoration project and priorities to present a visual story (the restoration project will be determined prior to the start of the project).
- Create a written report supporting the graphic rendering/vision.
- Work with the Rivershed and its partners to research restoration priorities and projects within the Fraser Estuary.
- Develop further renderings as time permits.

## **Deliverables**

Note that a final deliverable (typically a report outlining the project objectives, background, research findings, analysis and

- A final report containing a summary of the work completed
- A final report for the online public-facing [Scholars Project Library](#).
- Graphic rendering and written report on the North Arm Jetty Breaches Project.
- Additional graphic renderings as time permits.

# SUSTAINABILITY SCHOLARS PROGRAM

## Time Commitment

- This project will take **260** hours to complete: 250 hours to be allocated to the research, and 10 hours to be allocated to participating in meetings and collaboration opportunities with the rest of the FERC cohort
- This project must be completed between May 1 to August 15, 2023
- The Scholar is to complete hours between 9 am and 5 pm, Monday to Friday, approximately 17 to 20 hours per week.
- The Scholar must live in the lower mainland in order to be available to attend FERC meetings and events in person.

## Required/preferred Skills and Background

- Excellent research and writing skills
- Demonstrated interest in sustainability
- Strong analytical skills
- Ability to work independently
- Project management and organizational skills
- Demonstrated experience in Graphic rendering and associated computer programs
- Design and layout skills
- Interest in sustainability and estuary restoration an asset

Applications close **midnight Sunday January 29, 2023**

Apply here: [Click here to apply](#)

Contact Karen Taylor at [sustainability.scholars@ubc.ca](mailto:sustainability.scholars@ubc.ca) if you have questions

## Useful Resources

We are holding a special **resume preparation workshop for prospective Scholars** on January 23, 2023. [Click here for details and to register.](#)

Below are some links to useful resources to help you with your resume and cover letter (there are many more online). Some of these resources also provide information on preparing for your interview.

<https://students.ubc.ca/career/career-resources/resumes-cover-letters-curricula-vitae>

<https://www.grad.ubc.ca/current-students/graduate-pathways-success>

<https://www.grad.ubc.ca/cover-letter-cv-resume-templates-ubc-career-services>