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 March 12, 2023.

> 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 visualization of the lower Fraser River using a non-Western view (between the Pattullo and Queensborough bridges)

Project Background & Overview:
The Fraser River Discovery Centre (FRDC) is a two-story interpretive space working to bring together the many voices of the Fraser to cultivate a community of river stewards. We also offer school programs, public and family experiences, outreach activations, and speaker series, among others, to highlight the river's contribution to the life, history, and future of the land also now known as British Columbia and its people.

While many people see the Fraser everyday, not many consider how it has already changed drastically and will continue to do so as the impacts of climate change proceed. Providing a contemporaneous overview of what they can see from the FRDC (or revealing what may be hidden to them) allows for the initiation of deeper conversations with the FRDC's audience. The visualization will involve original art/design and will specifically identify evidence of climate change visible from the FRDC.

Combined with our MOU with Musqueam Indian Band to develop the FRDC as xʷtaləl̓ləm, a Place of Learning about the Indigenous heritage and teachings of the Fraser River, the FRDC seeks to incorporate what many Indigenous scholars refer to as "two-eyed seeing," a path towards valuing both Indigenous knowledges and western science. To this end, this project serves as a deepening of opportunities for

visitors to engage with the river, the baseline research for future exhibit and programming, and a more holistic and intentional approach to assessing the status of the most visually accessible portion of the Fraser River.

Project description
The purpose of this project is to synthesize a holistic overview of the current status and health of the Fraser River in the section overlooked by the FRDC (approximately the Pattullo Bridge to the Queensborough bridge) and prepare a graphic rendering of the current status.

The graphic rendering of the current status is intended to engage visitors and the general public in getting to know their river better.

Depending on the time available, additional renderings may be completed to target different segments of our audience. For example, the initial visualization will be created for an engaged, adult audience, but a secondary version may be created with a younger (aged 6-12) audience in mind. If the candidate has interest, this could also involve converting their deliverables into an exhibit with the Public Engagement Coordinator, which is intended to be done regardless.

Project scope

Focussing on the Fraser River and surrounding habitat from the Patullo Bridge to the Queensborough Bridge, project activities include:

- Research to identifying the elements to include in the holistic assessment. Must include water quality (this is the topic of the exhibit we are aiming to replace), evidence of climate change, and evidence of cultural modification. Other lenses to examine may include: habitat quality, migration stopovers, memories, ways in which past events show up now, flood capacity, pollution
- Conversations with key stakeholders: We are building relationships with a number of relevant stakeholders who may have additional insights and knowledge.
- Development of a visualization of the interactions between the various elements that determine the current status & health of the Fraser River

Deliverables

- A final report containing a summary of the work completed for the online public-facing Scholars Project Library.
- High resolution, print quality files of the final visualizations
- A final presentation as part of the FRDC's online Faces of the Fraser speaker series

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 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
☒ Familiarity with research methodologies and survey techniques
☒ Community engagement experience
☒ Familiarity conducting focus group research
☒ Ability to work independently
☒ Deadline oriented
☒ Project management and organizational skills
☒ Strong technical design and drafting skills
☒ GIS training or experience, an asset.
☒ Demonstrated design and layout skills

Additional notes

Access to the Adobe suite can be provided for the duration of the project.

Applications close **midnight Sunday March 12, 2023**
Apply here: Click here to apply
Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions

Useful Resources

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