Summer 2024 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Hub is pleased to offer current UBC graduate students the opportunity to work on sustainability internship projects. Successful candidates work under the guidance of a mentor from the partner organization, and are immersed in real world learning where they can apply their research skills and contribute to advancing sustainability across the region. These opportunities are paid. The pay rate for the summer 2024 program is $27.50/hour or $6,875 for a 250-hour project.

- 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 28, 2024.

> 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. **Successful candidates are expected to attend workshops and other events in the lower mainland in person.**

Project title: Mapping Ecological Zones and Species Habitats at Maplewood Flats

Project Background & Overview:
Maplewood Flats is the only wild bird sanctuary on the north shore of Burrard Inlet. It is on the unceded lands and waters of the Tsleil-Waututh Nation (TWN) and Coast Salish Peoples adjacent to the TWN community and village site. The current steward of Maplewood Flats is the Wild Bird Trust of BC (WBT). This organization is in the process of passing ownership and leadership of the organization to the TWN as part of their reconciliation efforts. Concurrently, WBT in conjunction with TWN is preparing a long-term stewardship plan in response to ongoing climate change.

As low-lying mudflats, marsh, and forest Maplewood Flats is experiencing more frequent flooding events because of sea level rise. Currently there is a knowledge gap regarding ecological zones on the site and how flooding with brackish water will affect these areas. Filling in these gaps will inform near-term adaption options and the long-term stewardship plan for the site.

Project description
The purpose of this project is to assist the WBT and TWN in creating a long-term stewardship plan for Maplewood Flats. The first step will be mapping the ecological zones on the site. Then

each zone will be analyzed to assess how brackish floodwater will change its soil, vegetation, and wildlife. Predictions of what the site could look like in 1, 15, 50 and 100 years will be made based on this analysis. A planting strategy will then be developed based on the predicted conditions. Finally, areas for micro-pilot projects and testing areas for stewardship and adaptation practices will be identified.

Project scope

- Conduct site visits to document site conditions
- Map ecological zones of Maplewood Flats based on soil, vegetation, and wildlife
- Analyze how ecological conditions will change based on predicted sea level rise
- Develop a planting strategy that is responsive to future flood conditions
- Identify areas for micro-pilot projects and testing areas for stewardship and adaptation practices to be implemented

Deliverables

- A final report containing a summary of the work completed
- A final report for the online public-facing Scholars Project Library.
- Report including:
    - Map of ecological zones
    - Planting strategy for each ecological zone
    - List of pilot project areas with a rationale for each one and description of suggested interventions

Time Commitment

- This project will take 250 hours to complete
- This project must be completed between May 1 to August 15, 2024
- The Scholars is to complete their hours between 9 am and 5 pm, Monday to Friday, approximately 17 to 20 hours per week.

Required/preferred Skills and Background

☒ Excellent research and writing skills
☒ Demonstrated interest in sustainability
☒ Familiarity undertaking field work
☒ Strong analytical skills
☒ Ability to work independently, deadline oriented
☒ Strong technical and drafting skills
☒ Demonstrated experience in Adobe Illustrator
☒ GIS training or experience.
☒ Familiarity preparing feasibility studies
☒ Design and layout skills
☒ Planting knowledge
☒ Experience using Photoshop and InDesign, an asset

Applications close **midnight Sunday January 28, 2024**
Apply here: Click here to apply
Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions

Useful Resources

We are holding a special **resume preparation workshop for prospective Scholars** on January 23, 2024. 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