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Hydrology Analyst (Co-op)
Hydrologic Impacts

Job Description

The Pacific Climate Impacts Consortium (PCIC) is a regional climate service centre at the University of Victoria that provides practical information on the physical impacts of climate variability and change to users and stakeholders in BC and across Canada. Through collaboration with climate researchers and regional stakeholders, PCIC produces knowledge and tools in support of long-term planning. See http://www.PacificClimate.org for more information.

The Hydrology Analyst will contribute as part of a team to determine the climate-mediated vulnerability of salmon life history events that control their productivity in space and time. Work will involve an interdisciplinary effort to combine hydrologic modelling with a salmon habitat risk/vulnerability assessment. The incumbent will provide the primary support to quality check, analyse, archive and document water temperature data for select watersheds in British Columbia, assist with model deployment, and conduct analysis tasks to assist PCIC researchers. The Hydrology Analyst works under the supervision of the Lead, Hydrologic Impacts.

The project is funded through the Fisheries and Oceans Canada British Columbia Salmon Restoration and Innovation (BCSRIF) Fund (https://www.dfo-mpo.gc.ca/fisheries-peches/initiatives/fish-fund-bc-fonds-peche-cb/index-eng.html).

Accountabilities

- Data quality assessment and quality checking (QA/QC).
- Data processing.
- Support scientists with computing and analysis tasks.
- Produce summary report.

Knowledge, Experience, and Abilities

Knowledge

- Working towards a degree in a relevant field of study (such as geosciences, geography, environmental sciences, or engineering).
- Hydrology background an asset.
- An understanding of the concepts behind data management an asset.
- Math and statistics background an asset.

Skill

- Experience with data processing and analysis.
- Excellent communication skills, both written and verbal.
- Excellent computer skills.

- Programming experience, preferably in GNU R an asset.
- GIS skills an asset.

Abilities

- Ability to work effectively and collegially with others inside and outside of the organization
- Willing to be flexible with job duties.

Other Details

- Employment period: This is a January to April 2022 co-op work term position.
- Salary: Commensurate with education and experience.
- Weekly working hours: Full time (37.5 hours per week).
- A successful candidate must live in British Columbia, Canada.

Additional information: Address enquiries to Markus Schnorbus at climate@uvic.ca.

Application: Please send your application including a cover letter, CV, and three professional references to Markus Schnorbus, climate@uvic.ca, with "**ATTN: Hydrology Analyst**" in the subject line.