

Postdoctoral position in subarctic data synthesis – Ecosystem change, community well-being, and livelihoods

Northern Water Futures (*NWF*) (www.northernwaterfutures.ca), in collaboration with the Wilfrid Laurier University - Government of the Northwest Territories (GNWT) Partnership (<https://nwtwlu.com>), invite applications for a 2-year Post-Doctoral Fellowship in Subarctic Data Synthesis with a focus on understanding how climate warming induced ecosystem changes are impacting the well-being and livelihoods of northern communities.

Specifically, we seek individuals with very strong skills in data amalgamation, analysis and synthesis who will work collaboratively on large data sets from across the NWT. *NWF* is a Global Water Futures (<https://gwf.usask.ca/>) funded, NWT-focused consortium of knowledge producers, mobilizers and users from university, communities, government, industry and non-governmental organisations. We are working collaboratively to improve our understanding of, and ability to predict and mitigate, the impacts of climate change and industrial expansion on water resources in the NWT. Water security is essential to the vitality of northern communities, the security of traditional food sources, and the responsible development of northern resources; all key, user-identified aspects of “*survivability in the North*”. *NWF* was conceived by the Wilfrid Laurier University (Laurier) - Government of the Northwest Territories (GNWT) Partnership Agreement, a long-standing and growing collaboration between *NWF* researchers and NWT user communities. The successful candidates will work closely with *NWF* researchers on data sets from a range of environmental disciplines (e.g., hydrology, terrestrial and/or aquatic ecology, human dimensions of climate change) and locations throughout the NWT to address cross-cutting, integrative northern research questions in collaboration with our government and community partners.

Required skills: A PhD in ecology, environmental sciences, or closely related field. Applicants should have advanced data management and statistical analysis capabilities. Logistical experience with northern or other field research would be an asset. Candidates should have strong track record of publishing high quality peer-reviewed papers. Excellent communication skills and the ability to work closely with a range of partner organizations is critical.

Although there is some flexibility in the trajectory of this position, responsibilities could include:

- (1) Compilation of historic datasets to help establish baseline conditions across the NWT;
- (2) Analysis and synthesis of extensive environmental data sets arising the NWF network of study sites throughout NWT;
- (3) Integration of datasets from different disciplines to better understand the complexity of ecosystem changes and their impacts on northern communities.

The start time for the position is flexible, however there is a preference to fill this position with a minimum of delay. We will review applications until both positions are filled. This position can be based at Wilfrid Laurier University in Waterloo, Ontario or the Laurier Office in Yellowknife, Northwest Territories.

To apply: Please send a cover letter, curriculum vitae, list of references and reprints of relevant publications to Dr. Jennifer Baltzer (jbaltzer@wlu.ca), *NWF* PI