

Two Postdoctoral Positions in Subarctic Data Synthesis Northern Water Future consortium

The Northern Water Futures (*NWF*) consortium in collaboration with the Wilfrid Laurier University - Government of the Northwest Territories (GNWT) Partnership (<https://nwtwlu.com>) invite applications for two Post-Doctoral Fellowships in Subarctic Data Synthesis. One will be located in Waterloo, Ontario and the other in Yellowknife, Northwest Territories (NWT).

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, mobilisers and users from university, communities, government, industry and non-governmental organisations working collaboratively to improve the understanding of, and ability to predict and mitigate, the impacts of climate change and industrial expansion on water resources in the NWT. Northern 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 science disciplines and locations throughout the NWT to address cross-cutting, integrative northern research questions in collaboration with our partners.

Required skills: A PhD in ecology, environmental or earth science, hydrology, or closely related field. Applicants should have advanced data management and statistical analysis capabilities; experience with mathematical modelling and/or GIS would be strong assets. Candidates should have strong track record of publishing high quality peer-reviewed papers. Strong 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 changes occurring in high latitude ecosystems.

The start time for these positions is flexible, however there is a preference to fill these positions with a minimum of delay. We will review applications until both positions are filled.

To apply: Please send a cover letter, curriculum vitae, list of references and reprints of relevant publications to Dr. Jennifer Baltzer (jbaltzer@wlu.ca) and/or William Quinton (wquinton@wlu.ca)