

**Yukon University**  
**Statement of Qualifications**  
**Permafrost Research Assistant**

Department: Northern Climate ExChange, Yukon Research Centre  
Location: Whitehorse  
Date: February 2022

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Essential Qualifications (assessed in screening process)

Education and Training: Relevant university education with 2 years research experience (Bachelors in Earth Science, Geography, Geology, Geotechnical Engineering or related) or an appropriate combination of education and research work experience. Master's degree is an asset.

Demonstrated Abilities: Experience analysing and communicating climate, geomorphologic, geophysics, and permafrost data.  
Experience in community engagement

Equivalency: Combination of relevant post-secondary education and experience may be considered.

Licenses/certificates: Valid Driver's License; Standard First Aid or higher.

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Rated Qualifications (factors assessed through interview, etc.)

Knowledge of:

- Current scientific, educational and technological challenges posed by climate change and its impacts, particularly as they relate to permafrost and the North;
- Analysis of climate change and permafrost, geomorphologic, and geophysics - related data using Excel and "R".
- First Nations traditional beliefs and practices;
- Yukon scientific and technical communities;
- Federal climate change programs and corresponding departments;
- Laboratory and field safety rules and procedures
- Leading technology for remote or automated field data collection (automated loggers, sampling technology, etc.).
- Geospatial analysis techniques and ArcGIS software, including tablet-based collector applications.

Ability to:

- Perform/manage a variety of research tasks to evaluate the impacts of changing climate on permafrost, hydrology and hydrogeology.
- Establish and maintain effective working relationships with a variety of outside government and non-government agencies & organizations;
- Organize meetings and workshops;
- Participate in the collection of field data, analysis and postprocessing of samples using standard practices and techniques, and summarization and presentation of data for use in reports and papers.
- Apply quantitative and/or qualitative analysis techniques and methods.

Personal Suitability:

- Strong oral, written and communication skills, including the ability to read, understand and effectively communicate, to both professional and lay audiences, complex scientific ideas
- Strong inter-personal, organizational, problem-solving, critical-thinking, time management, and creative skills, and a demonstrated ability to initiate actions and work with minimal supervision

- To work effectively with other institutions, branches, agencies and First Nations
- Flexibility and adaptability to changing work demands
- Ability to positively represent the YRC and Yukon University with colleagues, clients and the community
- Ability to work with a team – taking and receiving suggestions from the team as well as contributing positive input to the team