

Permafrost and Climate Change

Risk assessment of key buildings and infrastructure in Ross River, Yukon, related to permafrost degradation

Infrastructure in Ross River, Yukon, is particularly vulnerable to the effects of melting permafrost in the context of a changing climate. To address this vulnerability, the Northern Climate ExChange is working with its partners to undertake an assessment of buildings affected by permafrost degradation. This project will identify critical infrastructure affected by permafrost degradation, develop best practices for maintaining and operating buildings on degrading permafrost, and provide vital information to the community and other northern builders about safe and effective construction on permafrost. This project aims to support maintenance and construction crews and their ability to understand the nature of contemporary permafrost under PMD building stock. New data generated by this project will significantly increase the resiliency of PMD infrastructure in Ross River as the climate changes. This project is expected to be completed by December 2015.



Project partners:



Natural Resources Canada / Ressources naturelles Canada



Learn more about our permafrost projects by visiting:
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