

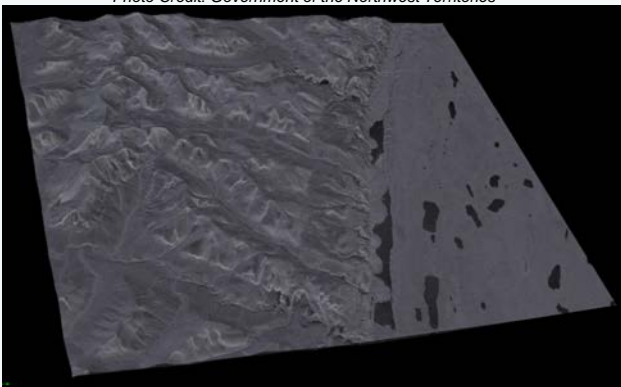
Climate Change Adaptation Coordination

Several Government of the Northwest Territories (GNWT) departments have partnered together in an effort to improve the capacity of the GNWT to proactively address climate change impacts across the Northwest Territories.

CONTEXT

This project is an umbrella for all things related to climate change and adaptation projects. It covers the administrative portion of organizing Climate Change Adaptation Projects (CCAP) funding as well as taking its own approach to climate change through permafrost research and strategy development. The Canadian Arctic and subarctic are undergoing some of the most intense impacts of climate change. Changes in temperature and precipitation have been observed and will continue into the foreseeable future. This inter-departmental partnership will work to solidify working relationships, and create new and concrete adaptation projects aimed at improving the NWT's ability to adapt to our changing environment.

Photo Credit: Government of the Northwest Territories



OBJECTIVES

1. Increase the capacity of the GNWT to manage and implement adaptation projects.
2. Increase capacity for extension and mainstreaming adaptation projects by

updating the NWT Discovery Portal to incorporate climate change adaptation.

3. Provide a gap analysis of permafrost mapping in the NWT.
4. Review options for developing an adaptation tool.

APPROACH

ENR partnered with the NWT Centre for Geomatics, the Northwest Territories Geoscience Office (NTGO), and other GNWT departments: Municipal and Community Affairs (MACA); Education, Culture and Employment (ECE); and Public Works and Services (PWS) to allow for inter-organizational coordination of climate change adaptation resources. These partners helped to identify the objectives of this project.

A casual term staff member dedicated to organizing the CCAP projects and managing the financial aspects was hired in the 2014/15 year.

EXPECTED RESULTS

Progress has been made in each of the four tasks. Improvements were made to the Discovery Portal to facilitate use that supports adaptation. An improved digital elevation model useful for ground-truthing, permafrost displacement mapping, and supporting other projects that are funded by Climate Change Adaptation funding from AANDC was created. Nextmap digital elevation model (DEM) tiles were purchased and a pilot DEM was developed for the Mackenzie Mountains (pictured on the left) which will be useful for other AANDC projects and general climate change adaptation work.

Significance

This project is vital in keeping all other projects running smoothly by providing resources and support. By working with multiple patterns, this project supply people of the NWT with stronger adaptation actions to reduce climate change impacts.

Partners

- GNWT Forest Management Division
- Aboriginal Affairs and Northern Development Canada
- GNWT Municipal and Community Affairs
- GNWT Public Works and Services
- GNWT Education Culture and Employment
- NWT Centre for Geomatics
- Northwest Territories Geoscience Office

FOR MORE INFO

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