

NWT Cumulative Impact Monitoring Program

INUVIALUIT REGION 2017 SUMMARY



To watch and understand the land so it can be used respectfully forever.

2017 NWT CIMP-FUNDED PROJECTS IN THE INUVIALUIT SETTLEMENT AREA

NWT CIMP projects in the Inuvialuit region address key regional cumulative impact questions of regulators, governments and communities.

Last year, NWT CIMP provided **\$119,000** to support **eight projects in the Inuvialuit Settlement Region**, seven of which overlapped with other regions. Approximately **20% (\$20,500)** of this funding was provided directly to regional and community organizations. This year, one project will be supported directly in the region in addition to three multi-region projects.

HIGHLIGHTED PROJECTS

How will fish communities in Gwich'in and Inuvialuit lakes respond to climate change?

CIMP197 – NEW, YEAR 1 OF 3

LEAD

Derek Gray, Wilfrid Laurier University
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PURPOSE

To collect baseline information on fish species presence and abundance in small lakes in the Gwich'in and Inuvialuit Settlement Areas in response to climate change.

WHY?

To provide information that can be used for effective fish management and management of water withdrawals.

The Northwest Territories Cumulative Impact Monitoring Program (NWT CIMP) provides important environmental information about cumulative impacts and environmental trends to decision-makers and communities. Cumulative impact monitoring is a requirement of settled land claim agreements in the NWT, and the *Mackenzie Valley Resource Management Act*.



Government of
Northwest Territories

Mapping permafrost disturbance and impacts to aquatic systems across northern NWT

CIMP164 – YEAR 4 OF 6

LEAD

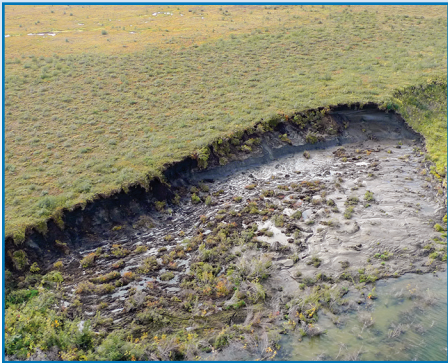
Steve Kokelj, NWT Geological Survey
steve_kokelj@gov.nt.ca

PURPOSE

Working with the communities of Sachs Harbour and Paulatuk, to track and understand the cumulative impacts of broad-scale landscape changes, such as thaw slumps and drained lakes, in the zone of continuous permafrost of the NWT.

WHY?

To help local resource managers make decisions based on a better understanding of the effect of landscape changes on aquatic health and the integrity of infrastructure.



Thaw slump in Inuvialuit Settlement Region.

Inuvialuit monitoring and management of the Big Fish River

CIMP183 – YEAR 2 OF 3

LEAD

Kristin Hynes, Fisheries Joint Management Committee
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PURPOSE

To formally incorporate Inuvialuit knowledge into the co-management decision-making process for Dolly Varden char on the Big Fish River and to build the capacity of Inuvialuit from Aklavik toward the management of their resources.

WHY?

To help document natural environmental changes and engage Inuvialuit in monitoring to learn how cumulative impacts affect char and their habitat.



K. Dunmall

Deon Arey collecting water quality samples from the Big Fish River.

Building a cumulative impact monitoring network: Standardizing permafrost ground temperature and geohazard information

CIMP186 – YEAR 2 OF 3

LEAD

Steve Kokelj, NWT Geological Survey
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PURPOSE

To develop an NWT ground temperature database, including protocols and data reporting templates, to guide the collection, management and dissemination of permafrost ground temperature.

WHY?

To provide a comprehensive database of ground temperature data to support cumulative impact monitoring and assessment, project and community planning, and regulatory decision-making.

Cumulative impacts are changes in the environment caused by human activities and natural processes that accumulate over space and time. It is important to understand both the environmental impacts of individual developments and the cumulative impacts of many developments in a region.

CONTACT INFORMATION

NWT CIMP is guided by a Steering Committee of Aboriginal, territorial and federal government representatives.

INUVIALUIT SETTLEMENT REGION REPRESENTATIVE

Charles Pokiak (Inuvialuit Game Council)
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FOR MORE PROJECT RESULTS, VISIT

nwtcimp.ca or search for the CIMP project number at
nwtDiscoveryportal.enr.gov.ca

FOR GENERAL PROGRAM INQUIRIES, CONTACT

(867) 767-9233 or nwtcimp@gov.nt.ca