

NWT Cumulative Impact Monitoring Program

SAHTÚ REGION 2018-2019 SUMMARY



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

2018-2019 NWT CIMP-FUNDED PROJECTS IN THE SAHTÚ SETTLEMENT AREA

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

In 2017-2018, NWT CIMP provided **\$336,000** to support **10 projects in the Sahtú Region**. Approximately 30% (\$92,000) of the funding was distributed directly to regional, community and co-management organizations. This year (2018-2019), eight projects will be supported in the region.

HIGHLIGHTED PROJECTS

Understanding changes in aquatic ecosystem health and water quality in the Fort Good Hope – Ramparts Area

CIMP193 – YEAR 2 OF 3

LEAD

Kirsty Gurney, Environment and Climate Change Canada
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PURPOSE

To establish a community-based water quality monitoring program to evaluate the cumulative impacts of human activities and natural processes on wetlands near Fort Good Hope.

WHY?

Establishing a wetland and water quality monitoring program in an important candidate conservation area will provide useful baseline information for water regulators and communities.



K. Gurney

As part of a class field trip with project scientists and local monitors, Evon Jackson collected a water sample and learned about the role of wetlands in maintaining water quality.

Government of
Northwest Territories



Sahtú Regional Environmental Monitoring and Decision Support Toolset

CIMP178 – YEAR 3 OF 3

LEAD

Deborah Simmons, Sahtú Renewable Resources Board
director@srrb.nt.ca

PURPOSE

To develop a decision-support tool that uses traditional knowledge and scientific information. The tool can be used to explore the cumulative impacts of different future scenarios in the Sahtú region.

WHY?

Modeling software will be used to produce maps to assist regulators make environmental decisions. An atlas of maps will be available for community members, and various data layers can be used by local resource managers.

Long-term monitoring of Great Bear Lake fisheries and the aquatic ecosystem

CIMP127 – YEAR 8 OF 9

LEAD

Kim Howland, Department of Fisheries and Oceans Canada
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PURPOSE

To build on recent baseline fisheries and ecosystem assessments of Great Bear Lake by combining continued community-based monitoring with analysis of existing datasets.

WHY?

To better understand the lake and how fish productivity is maintained. Large lake monitoring protocols and baseline data collected form an important basis for tracking and understanding the cumulative impacts of climate change, fishing and other anthropogenic (human-made) drivers on Great Bear Lake.

Sahtú Benigodi: Traditional Knowledge of Great Bear Lake and its Watershed

CIMP198 – YEAR 1 OF 2

LEAD

Gina Bahya, Tsá Tué Biosphere Reserve Stewardship Council
krista_chin@gov.nt.ca

PURPOSE

To develop a comprehensive database of traditional knowledge (TK) of Great Bear Lake (GBL) and its watershed to form an environmental baseline for the cumulative impacts of climate change and development.

WHY?

To help identify how changes in climate or increased development activity may have impacted Great Bear Lake and the surrounding watershed. This information could be used by resource managers to inform future decisions.

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*.



C. Gallagher

Archie Vital preparing fish samples.

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 Indigenous, territorial and federal government representatives.

SAHTÚ REGION REPRESENTATIVE

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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