

NWT Cumulative Impact Monitoring Program

NORTH AND SOUTH SLAVE 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 NORTH AND SOUTH SLAVE REGIONS

NWT CIMP projects in the North and South Slave regions address key regional cumulative impact questions of regulators, governments, and communities.

In 2017/18, NWT CIMP provided **\$404,000** to support **13 projects in the North and South Slave regions**. Approximately **30% (\$120,000)** of this funding was provided directly to regional and community organizations. This year (2018-2019), 12 projects will be supported in the regions.

HIGHLIGHTED PROJECTS

A multidisciplinary investigation of recovery in Yellowknife area lakes from 50 years of arsenic pollution: What are the factors inhibiting recovery and the biological consequences?

CIMP192 – YEAR 2 OF 3

LEAD

Mike Palmer, Carleton University, Department of Geography
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PURPOSE

To develop an understanding of contaminant mobility, particularly arsenic, in Yellowknife area watersheds

WHY?

Information will help to determine loads of arsenic to Yellowknife Bay, which could be used by decision-makers when permitting remediation activities at the Giant Mine Site.



Jonathon Mackenzie and Michael Gilday ready to sample.



Government of
Northwest Territories

Development of a Cumulative Impacts and Monitoring Framework for the Yellowknives Dene First Nation

CIMP201 – YEAR 1 OF 3

LEAD

Johanne Black, Yellowknives Dene First Nation
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PURPOSE

To develop a cumulative effects framework built around Yellowknives Dene environmental knowledge and cultural values and well-being.

WHY?

The framework will compile new and existing Yellowknives Dene traditional knowledge on land use and well-being. The framework will include guidance for decision-making and thresholds to help regulators implement 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*.

Community-Based Traditional Knowledge Monitoring – Monitoring for Better Decision-Making

CIMP185 – YEAR 3 OF 5

LEAD

Ray Griffith, Lutsel K'e Dene First Nation
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PURPOSE

To develop resources that address the challenges, limitations and needs of regulators when incorporating Traditional Knowledge (TK) in resource management processes and decisions.

WHY?

To develop tools that communities and decision-makers can use to improve the inclusion of TK in decision-making processes.

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.

Recovery of boreal caribou habitat after forest fires

CIMP 194 - YEAR 1 OF 3

LEAD

Rosy Bjornson, Deninu K'ue First Nation
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PURPOSE

To determine the length of time it takes after a wildfire for foraging habitat, including lichens, to become suitable for use by boreal caribou in the South Slave region

WHY?

To help determine when fire-disturbed areas become functional habitat for boreal caribou. This information can be used for range planning and forecasting future habitat.



M. d'Entremont

Lichen in an area near Fort Resolution – suitable foraging habitat for caribou.

CONTACT INFORMATION

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

NORTH AND SOUTH SLAVE REGIONS REPRESENTATIVES

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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