



Northwest Territories Cumulative Impact Monitoring Program

Supporting Northern Communities in Environmental Monitoring

February 5th, 2020

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- **Video!**
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- Supporting Northern Communities in Environmental Monitoring
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- **Video!**
- Where to get Information

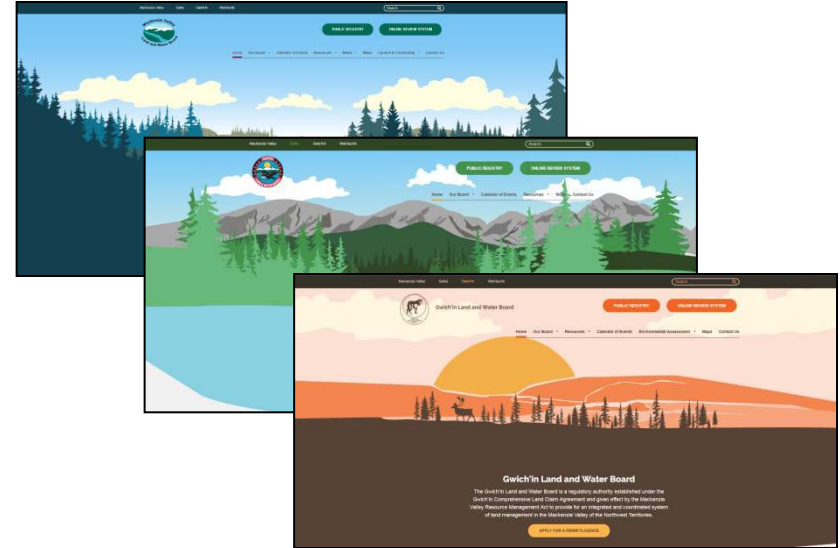


Land Claim Regions of NWT



NWT CIMP Introduction

- Part of the co-management system established through the *Mackenzie Valley Resource Management Act*
- Advised by regional Indigenous governments and organizations



Land and Water Board websites



NWT CIMP Introduction

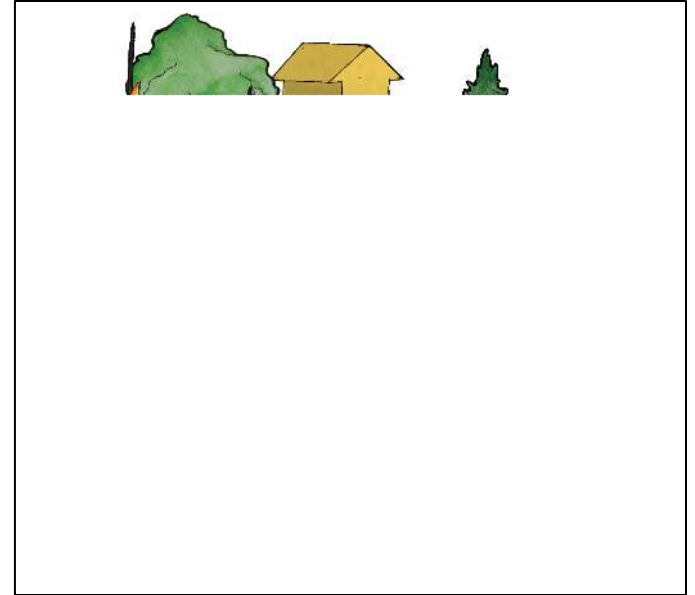
NWT CIMP Steering Committee

- Includes 8 regional Indigenous governments
- Federal and territorial governments
- Several co-management boards



NWT CIMP Introduction

- Monitoring and research program administered by Government of the Northwest Territories (GNWT)
- Supports environmental decision-making by generating information about **baseline, cumulative impacts and environmental trends**
- Cumulative impacts include human and natural disturbance



Potential cumulative effects on a barren ground caribou

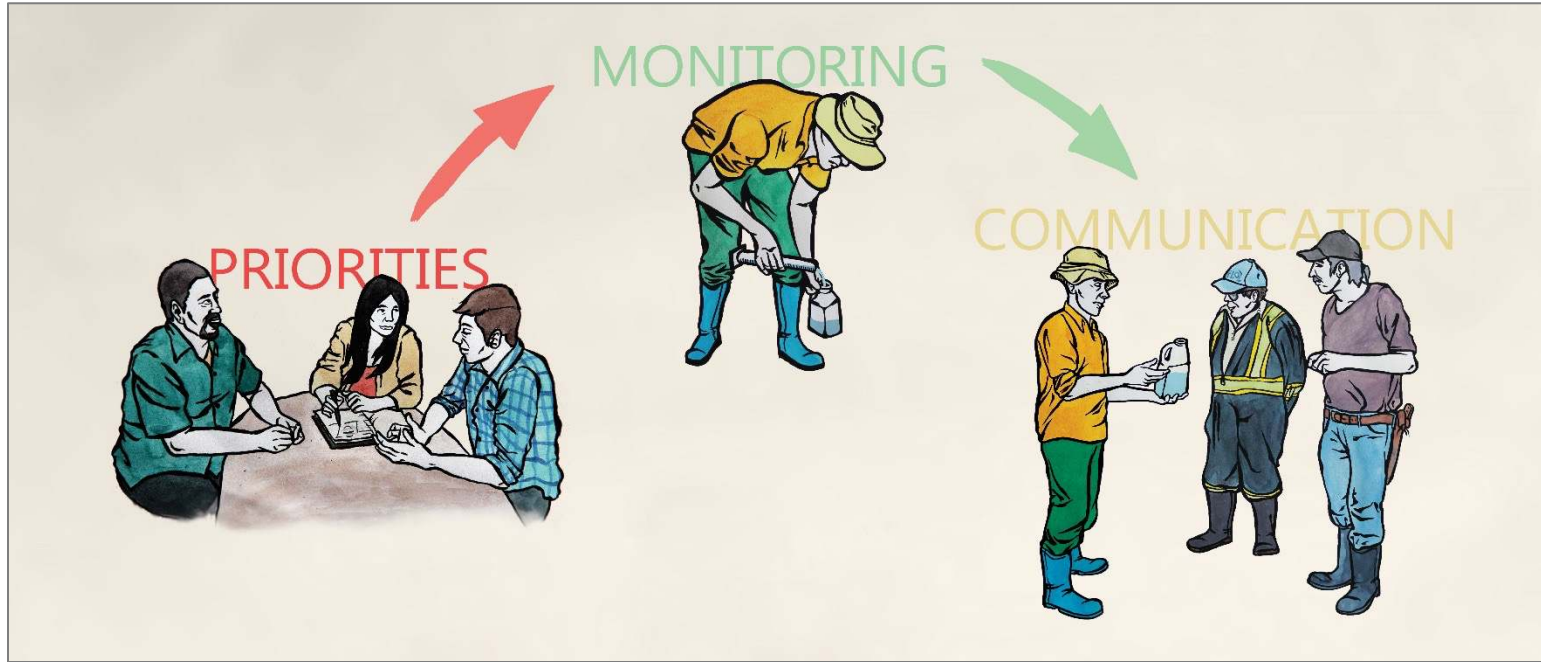


Vision

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



NWT CIMP Introduction



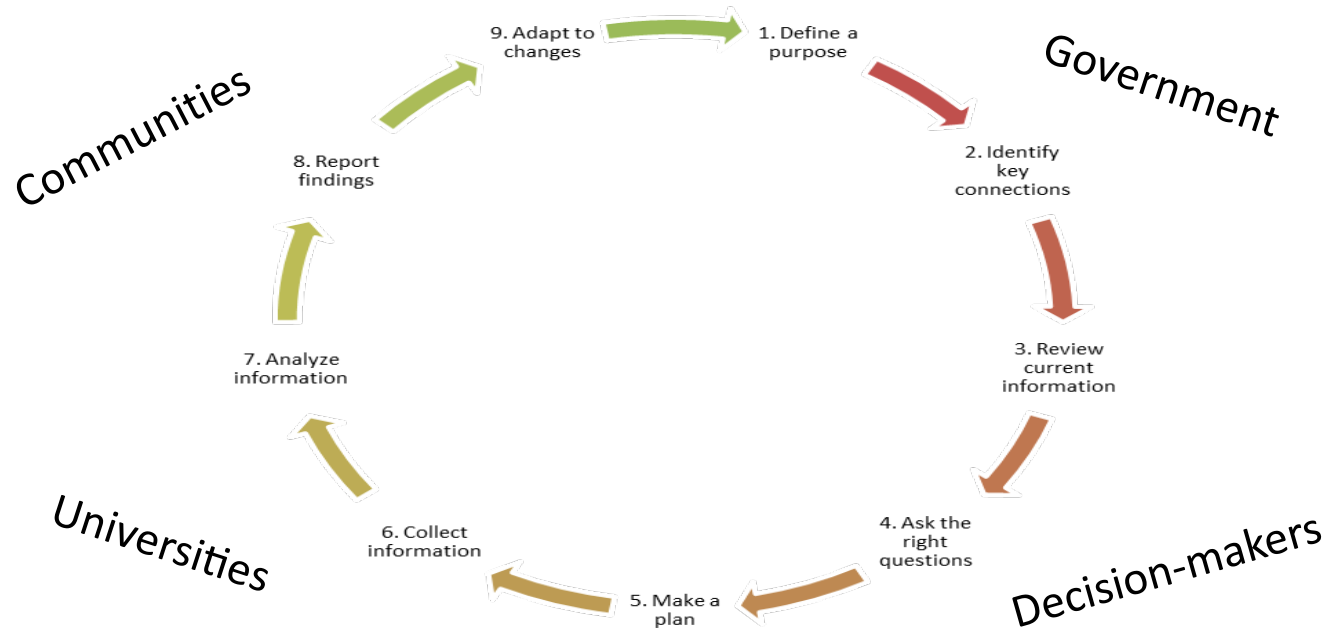
NWT CIMP Introduction

Research and Monitoring Priorities

- **Caribou, water and fish** monitoring Blueprints
- **Traditional knowledge** is a program priority



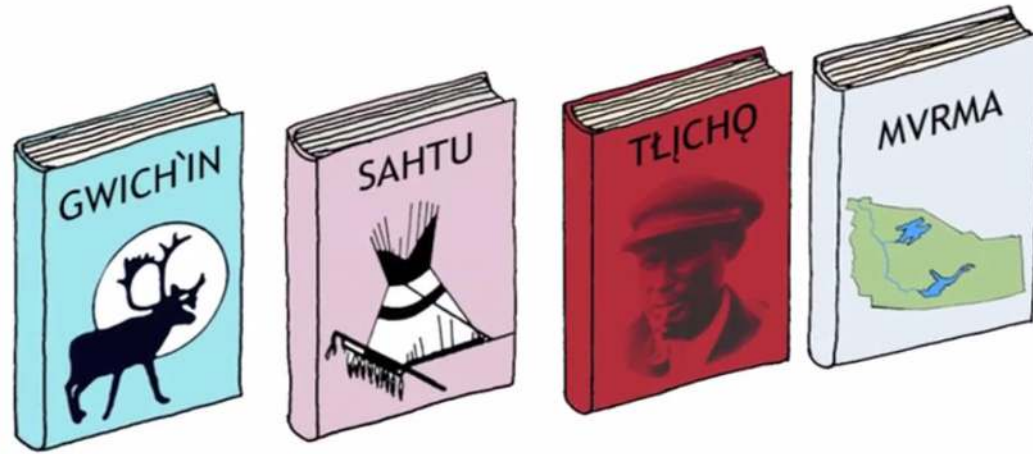
Pathways Approach



NWT CIMP Introduction



NWT CIMP's History





Margaret Ireland (JMRFN) and Cyrielle Laurent (Yukon Research Centre) conduct a traditional knowledge interview with Billy Norwegian (JMRFN). (Credit: Yukon Research Centre)





Melaine Simba performing field work.





Participants listen at the NWT Environmental Research and Monitoring Results Workshop, co-hosted by NWT CIMP and the Yellowknives Dene First Nation (Yellowknife, NWT).





Local community monitors-in-training learning aquatic data collection methods.





Clockwise from top left: Elsie Lacorne, Shelley Lundvall, Heidi Swanson, Steven Nadlii, Joe Lacorne and Brian Branfireun. (Credit: H. Swanson)





Mapping and sharing stories of important places on the landscape with Elders as part of a youth camp in Kakisa. (Credit: A. Spring)





Collecting samples from the Rat River, NWT, August 2018. (Credit: K. Dunmall)





Tłıchʼo elders at the 2017 Wek'èezhìi Region Environmental Research and Monitoring Results Workshop

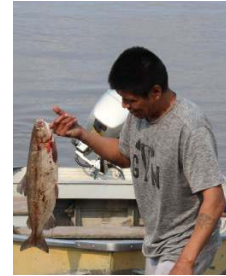
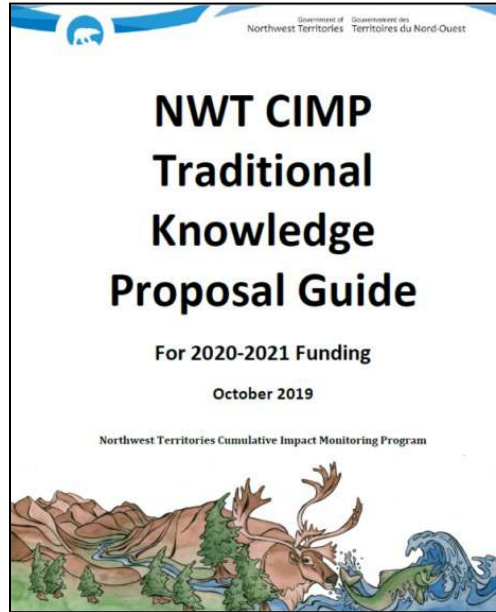




Bobby Modeste and Louise Chavarie sampling lake trout at Russel Bay in Great Bear Lake.
(Credit: C. Gallagher)



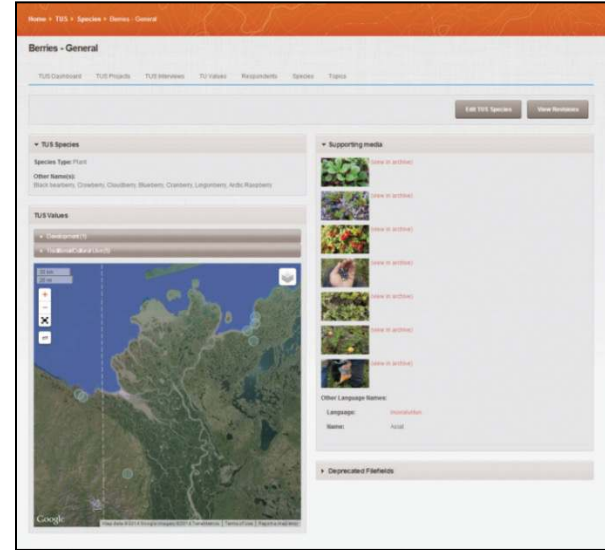
Supporting Northern Communities in Environmental Monitoring



Supporting Northern Communities in Environmental Monitoring: NWT CIMP Funded Projects



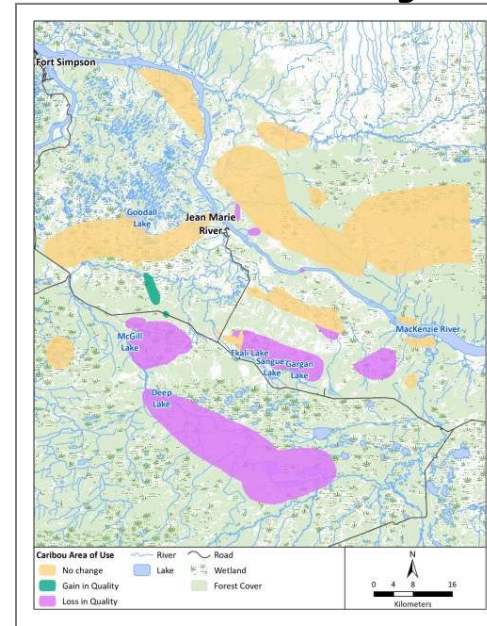
CIMP110: Emmanuel Adam and Cole Felix on a PMM field visit, documenting retrogressive thaw slumping west of Tuktoyaktuk, NT. 2010. (Photo: T. Bennett)



Supporting Northern Communities in Environmental Monitoring: NWT CIMP Funded Projects



CIMP189: Margaret Ireland (JMRFN – far right) and Cyrielle Laurent (Yukon Research Centre – far left) conducting a traditional knowledge interview with Billy Norwegian (JMRFN) (credit: Yukon Research Centre).



Disturbance impacts on streams within the Sahtu

- <https://youtu.be/r2GQs4YjAJM>



Supporting Northern Communities in Environmental Monitoring: NWT CIMP Funded Projects



CIMP142: Charlie Erigaktoak and Danny Gordon Jr. of Aklavik, NWT, with a salmon they harvested in 2016 at Shingle Point, Yukon. (Credit: Michelle Gruben)

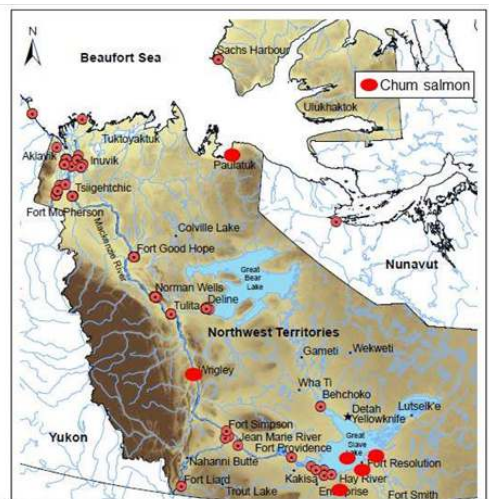


Figure 1: Locations of chum salmon harvested and reported to the Pacific Salmon Collection Program, 1998-2015. Each dot represents the harvest of at least one salmon.

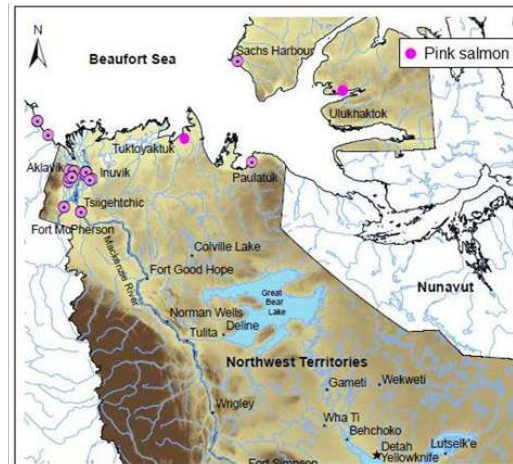
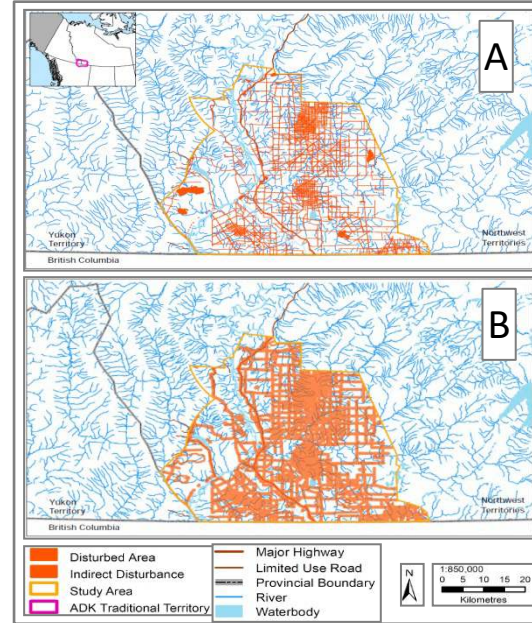


Figure 2: Locations of pink salmon harvested and reported to the Pacific Salmon Collection Program, 2004-2014. Each dot represents the harvest of at least one pink salmon.



Supporting Northern Communities in Environmental Monitoring: NWT CIMP Funded Projects



CIMP190: Direct (A) and indirect (B) disturbance within the study area. (Adapted from: *Landmark Resource Management Ltd. and Acho Dene Koe First Nation. 2018. Acho Dene Koe First Nation Boreal Caribou Traditional Knowledge and Cumulative Impacts Qualitative Assessment, Non-Confidential Final Report. Submitted to NWT CIMP in October 2018.*)

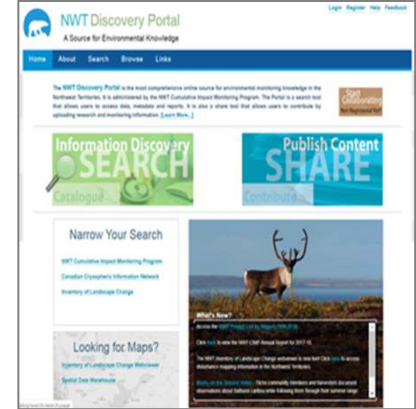


Boots on the Ground

- <https://youtu.be/DIWMM7MBQJo>



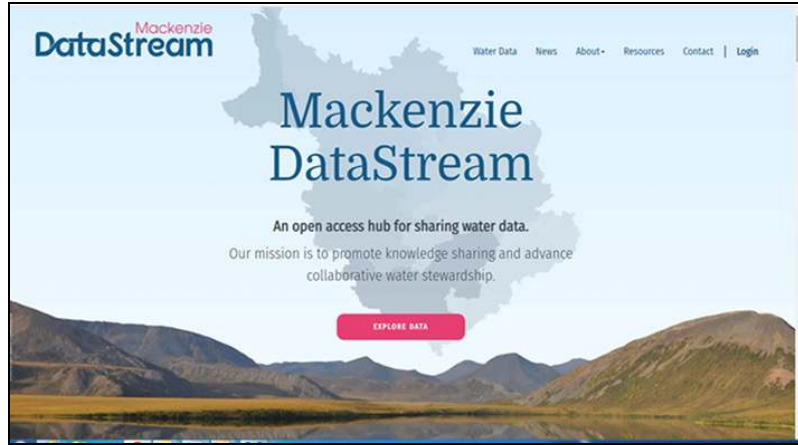
Where to get Information



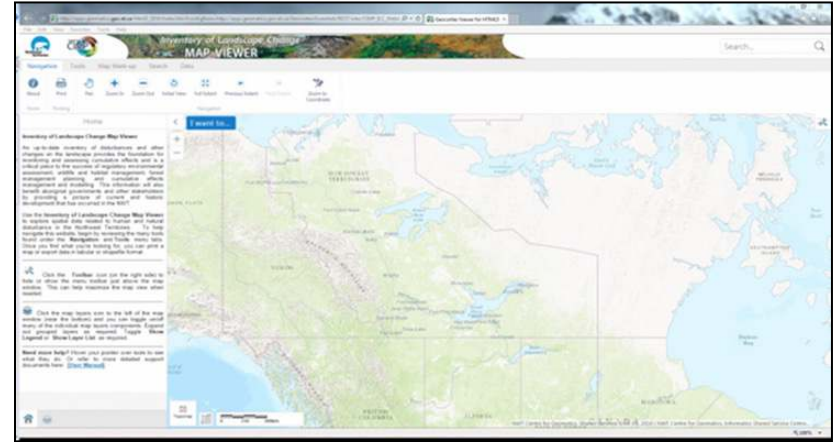
<http://nwtDiscoveryportal.enr.gov.nt.ca/>



Where to get Information



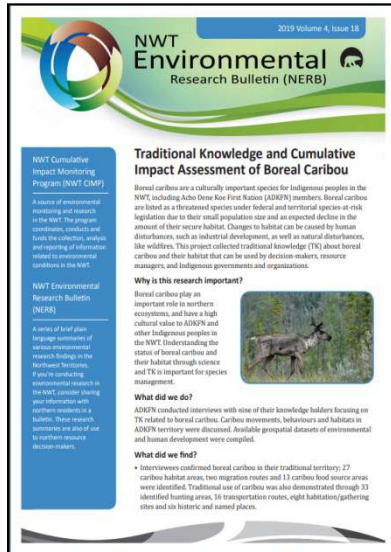
<https://mackenziedatastream.ca/>



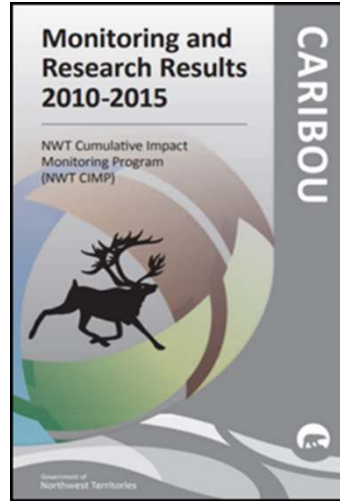
<https://www.maps.geomatics.gov.nt.ca/>



Where to get Information



Northern Environmental
Research Bulletins



5 Year Summaries



NWT CIMP Annual Reports



Questions?



Local youth from the Sahtu Region participating in aquatic monitoring

