



# **Nunavut General Monitoring Plan's Role in Socio-Economic and Ecosystemic Monitoring in Nunavut**



**Kitikmeot Socio-Economic Monitoring Committee**

**Cambridge Bay, Nunavut  
Nov 30 – Dec 2, 2016**



## Overview

<b>1.</b>	<b>What is the Nunavut General Monitoring Plan (NGMP)?</b>
<b>2.</b>	<b>NGMP Steering Committee</b>
<b>3.</b>	<b>Collection and Dissemination of Information</b>
<b>4.</b>	<b>Valued Components and Activities</b>
<b>5.</b>	<b>Supported Monitoring Projects, 2010-11 to the Present</b>
<b>6.</b>	<b>2016-17 Call for Proposals</b>
<b>7.</b>	<b>2016-17 Supported Projects</b>
<b>8.</b>	<b>NGMP's Collaboration through Regional Socio-Economic Monitoring Committees</b>



# 1. What is the Nunavut General Monitoring Plan (NGMP)?

## Founding Legislation

- Nunavut Agreement, Article 12.7.6
- *Nunavut Project Planning and Assessment Act*, Section 227(1)

Government, in cooperation with the Nunavut Planning Commission, develop and implement a plan for monitoring the long-term state and health of the ecosystem and socio-economic environment of Nunavut.



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**Nunavut General Monitoring Plan**  
Nunavunmi Tamainni Takuurivangnikkut Parnaiyautaanni  
**Plan de surveillance générale du Nunavut**



## 2. NGMP Steering Committee

- Nunavut Planning Commission
- Nunavut Tunngavik Incorporated
- Government of Nunavut
- Government of Canada (Indigenous and Northern Affairs Canada)





## **3. Collection and Dissemination of Information**

### **General Monitoring Framework**

- Valued Ecosystemic Components
- Valued Socio-Economic Components
- Valued Activities/Uses of Land and Water













### **Reporting**

- State of Knowledge Summary Reports
- Results of Funded Projects



# 4. Valued Components and Activities

Table 1: List of NGMP Valued Ecosystemic Components (VECs)

Theme	VEC	Theme	VEC
 Freshwater	Surface Water Quality Sediment Quality Water Quantity Hydrology Groundwater Freshwater Ecosystem	 Freshwater Fish	Fish Habitat Fish Populations Fish Harvest Fish Health / Quality Species at Risk
 Freshwater Invertebrates	Phytoplankton, Zooplankton and benthic invertebrates	 Snow and Ice	Snow Ground Ice and Permafrost Sea Ice Lake Ice
 Marine Coastal and Offshore Environment	Marine water quality Marine sediment Coastal processes and seabed Bathymetry Marine Ecosystem Polynya	 Marine Fish	Fish Habitat Fish Populations Fish Harvest Fish Health / Quality Species at Risk
 Marine Invertebrates	Harvest species – clams and mussels and shrimp Other marine invertebrates	 Marine Mammals	Seals (ringed, bearded, harp, harbour) Whales (Number of species – beluga, bowhead etc.) Walrus Narwhal Species at Risk
 Avian Wildlife	Number of species (harvest species, breeding birds, waterfowl, raptors, seabirds)  Breeding Birds - Ptarmigan - Shorebirds - Passerines (Songbirds)  Waterfowl and Waterbirds - Loons - Swans, Geese and Ducks - Sea Ducks  Raptors Seabirds Species at Risk	 Terrestrial Wildlife	Caribou Musk Ox Wolverine Polar Bear Grizzly Bear Wolves Foxes Rabbit/Hare Small mammals (muskrat, Arctic ground squirrel) Species at risk
 Landforms and Soils	Landforms Soil Terrestrial Ecosystem	 Geology	Bedrock, surficial, geochemical, geophysical





# 4. Valued Components and Activities








Theme	VEC	Theme	VEC
 Vegetation Vegetation Species at Risk		 Insects /Invertebrates To be confirmed	
 Climate and Weather Weather/ Meteorology		 Air Quality Greenhouse Gas Emissions Other Air Quality Parameters	
 Noise Atmospheric Noise Levels Marine Noise Levels			

Table 2: List of NGMP Valued Socio-Economic Environmental Components (VSECs)




Theme	VEC	Theme	VEC
 People Demographics Health & Well-being Food security Education & Training Housing Crime Energy Use Other		 Economy Employment Economic Activity	
 Cultural Practices Inuit Language Traditional Activities & Skills See also 'Traditional Use Areas', Table 3			

Table 3: List of NGMP Valued List of Activities/Uses of Land and Water

Themes		
Land Use Planning	Resource Development	Parks and Protected Areas
Tourism & Recreation	Energy Production and Supply	Military Activities
Land Ownership	Municipal Infrastructure	Contaminated Sites
Traditional Use Areas	Transportation Infrastructure & Activity	Research Facilities
Heritage and Archaeological Sites	Communications Infrastructure	Paleontological Sites



## 5. Supported Monitoring Projects, 2010-11 to the Present

	<b>Ecosystemic</b>	<b>Socio-Economic</b>	<b>Land and Water Use</b>	<b>Total</b>
<b>Projects</b>	<b>28</b>	<b>6</b>	<b>6</b>	<b>40</b>
<b>Project Phases</b>	<b>82</b>	<b>12</b>	<b>15</b>	<b>109</b>





## 6. 2016-17 Call for Proposals

### Priorities

- Caribou
- Climate Change
- Marine Noise
- Marine Shipping
- Bathymetry
- Education
- Housing
- Infrastructure
- Health and Well-being



## 7. 2016-17 Supported Projects

	<b>Ecosystemic</b>	<b>Socio-Economic</b>	<b>Land and Water Use</b>	<b>Total</b>
<b>Projects</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>17</b>

\$884K budgeted for grants and contributions

### **Socio-Economic Monitoring Funding Recipients**

- Qikiqtani Inuit Association
- Qaujigiartiit Health Research Centre
- University of Alberta



## 8. NGMP's Collaboration through Regional Socio Economic Monitoring Committees

Through the SEMC working group NGMP has an opportunity to:

- Partner with other monitoring initiatives.
- Focus on what is important in each region to monitor.
- Identify where funding could be directed in order to fill monitoring gaps.





# Thank you - ᐃᑦᑏᑦᑏᑦᑏᑦ - Matna - Merci



<http://www.NGMP.ca>



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