



## **NIRB Uuktuutinga Ihivriughikhamut #125611**

### **Muskox (*Ovibos moschatus*) distribution and abundance of Central Mainland, Nunavut (MX11)**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Scientific Research

**Uuktuutinga Ublua:** 5/3/2021 10:34:51 PM

**Period of operation:** from 0001-01-01 to 0001-01-01

**Piumayaat Angirutinga:** from 0001-01-01 to 0001-01-01

**Havauhikhaq Ikayuqtinga:** Lisa Marie Leclerc  
Government of Nunavut  
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Kugluktuk Nunavut X0B0E0  
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Hivayautit Nampanga:: 867-982-7444, Kayumiktukkut Nampanga::

# **QANURITTUT**

**Tukihinnaqtunik havaariyaumayumik uqauhiuyun**

Qablunaatitut: See project document

Uiviititut: See project document

Inuktitut: See project document

Inuinnaqtun: See project document

## **Personnel**

Personnel on site: 0

Days on site: 20

Total Person days: 0

Operations Phase: from 2021-06-27 to 2021-09-12

## Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
New project geometry	Aerial surveys	Crown	N/a	N/a	This project takes place over the outpost camps of Bay Chimo and Bathurst Inlet and the team will be positioned in Cambridge Bay and Kugluktuk. During the project, the survey plane will enter the airspace of the Queen Maud Gulf Bird Sanctuary. There is no landing planned in the Sanctuary.

### Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Ikaluktuttiak	Beverly Maksagak	Hunters and Trappers Organization	2021-01-12
Kugluktuk	Amanda Dumond	Hunters and Trappers Organization	2021-01-12
Urhuqtuuq	Enuk Pauloosie	Hunters and Trapper Organization	2021-04-13

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Transboundary

Kitikmeot

## Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Kaanatami Huradjat Munariniq	CWS permit was submitted in February 2021	Applied, Decision Pending	2021-02-24	
Nunavut Kavamanga, Avatiliriyikkut	Permit granted- permit number 2021- 34	Active	2021-03-05	2021-12-15

## Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	fixed-wing	

## Project accomodation types

Nunauyuq

# Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
n/a	0	0	0

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Aviation fuel	fuel	0	0	0	Gallons	Fueling of the aircraft will be done mainly in Kugluktuk and Cambridge Bay. Pending in-kind support, landing and refueling might take place at TMAC and Sabina. No fuel cache will be done for this project.
n/a	hazardous	0	0	0	Gallons	n/a

## Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0		

# Iqqakuq

## Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Aerial surveys	Ikulaaqtun iqqakuvaluin	zero liter	none applicable	none applicable

### Avatiliriniqmut Ayurhautingit:

The muskox survey will commence in mid-July, with the survey area occurring within the QMGS in early August. We will be flying at approximately 150m above the ground with an airspeed of approximately 160kms/hour. This could have a small impact on local wildlife as the aircraft flies overhead, but the wildlife will not be disturbed any further once the area has been surveyed. In the sanctuary, the survey there should be completed between 2 and 5 full days (depending on weather). The percentage of coverage will be adjusted to known muskox distribution, keeping the number of km flown low and the spacing between transect lines wider, where possible, to limit disturbance. In this case, most of the area to be surveyed in the QMGS will overlap with the dark blue strata shown in Figure 1, which is at a low coverage density of 10%. In addition, the timing of the survey has been selected to minimize overlap with the peak of the breeding bird season in June and July.

# **Additional Information**

**SECTION A1: Project Info**

**SECTION A2: Allweather Road**

**SECTION A3: Winter Road**

**SECTION B1: Project Info**

**SECTION B2: Exploration Activity**

**SECTION B3: Geosciences**

**SECTION B4: Drilling**

**SECTION B5: Stripping**

**SECTION B6: Underground Activity**

**SECTION B7: Waste Rock**

**SECTION B8: Stockpiles**

**SECTION B9: Mine Development**

**SECTION B10: Geology**

**SECTION B11: Mine**

**SECTION B12: Mill**

**SECTION C1: Pits**

**SECTION D1: Facility**

**SECTION D2: Facility Construction**

**SECTION D3: Facility Operation**

**SECTION D4: Vessel Use**

**SECTION E1: Offshore Survey**

**SECTION E2: Nearshore Survey**

**SECTION E3: Vessel Use**

**SECTION F1: Site Cleanup**

**SECTION G1: Well Authorization**

**SECTION G2: Onland Exploration**

**SECTION G3: Offshore Exploration**

**SECTION G4: Rig**

**SECTION H1: Vessel Use**

**SECTION H2: Disposal At Sea**

**SECTION I1: Municipal Development**

**Qanurittuq Ittunik Avatinga: Avatingalluanga**

**Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

**Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

**Miscellaneous Project Information**

**Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

**Tamatkiumayunik Ihuikgutivaktunik**



Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

		PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Havakvinga																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Aulapkaininnga																										
Aerial surveys		-	-	-	-	-	-	-	-	-	-	-	-	N		-	N	N	-	N		-	P	P	-	-
Piiqtauniq																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	polygon	New project geometry
2	polygon	New project geometry
3	polygon	New project geometry