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NIRB Uuktuutinga Ihivriughikhamut #125304

Migratory and breeding ecology of birds facing global environmental change.

Uuktuutinga Qanurittuq: New
Havaap Qanurittunia: Scientific Research
Uuktuutinga Ublua: 3/28/2018 3:17:34 PM
Period of operation: from 0001-01-01 to 0001-01-01
Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01
Havauhikhaq Ikayuqtinga: Jean-François Lamarre
Polar Knowledge Canada
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Cambridge Bay Nunavut X0B0C0
Canada
Hivayautit Nampanga:: 867-983-4935, Kayumiktukkut Nampanga:: 867-983-3644

QANURITTUT

Tukihiannaqtunik havaariyauyumayumik uqauhiuyun

Qablunaatitut: Document is attached.

Uiviitutit: No document attached as this project takes place in the Kitikmeot region.

Inuktitut: No document attached as this project takes place in the Kitikmeot region.

Inuinnaqtun: Document is attached.

Personnel

Personnel on site: 5

Days on site: 40

Total Person days: 200

Operations Phase: from 2018-05-14 to 2018-08-31

Hulilukaarutit

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunangga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
2018_Lamarre_temporary_camp	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Avian_predator_surveys	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Arthropod_traps	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Icebreaker Channel goose colony survey	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Anderson bay goose colony survey	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A	N/A	N/A

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Kaanatami Huradjat Munariniq	CWS scientific permit	Not Yet Applied		
Nunavunmi Ihivriunqimut Timiqutigiya	Wildlife research permit	Not Yet Applied		
Nunavut Imaligiyyit Katimayit	NWB authorization; for activities using less than 50 m3 water per day	Not Yet Applied		

Project transportation types

Transportation Type	Qaffiuyut	Qanuq Atuqtauniarmangaa	Length of Use
Air	0	Helicopter bell 2016	
Land	0	Snowmobile, ATV and foot	

Project accomodation types

Temporary Camp

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Research - Motion triggered cameras	20	5-1/2"H x 4-1/2"W x 3" D	Monitoring of wildlife (nest predators or dens) and habitat. Most equipment will be installed for a short period of time and few may be installed more permanently to record habitat variation through the year. They will be frequently visited (minimum once a month).
Research - Temperature probes for nests.	60	2"H X 2"W X 2"D	Monitoring of bird nest temperature. Logger is few feet away from nest and a small cable leads to the probes in the nest. Probes are not affecting predation rate. They will help us know how steadily the birds incubate and if the nest hatch.
Research - Trapping equipment	175	see in proposed use	Up to 9 small traps for invertebrate (15"H X 15"W X 3"D) - Duration of use is 3 months. Traps will be revisited each 2-3 days. Up to 20 larger traps for invertebrate (6.5"H X 5"W X 5"D) - deployed for extended periods (two to eight weeks) Up to 2 bird traps (Max 6' diameter, flat) - Traps will be monitored at all times (capture time generally less than one hour) Up to 144 lemming traps. (15"H X 15"W X 3"D) - Duration of use is 2 weeks. Traps will be revisited frequently (Twice a day).

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	Liters	Helicopter use will require fuel but as the length of travel planned is small (under 500 km) we do require fuel caches and helicopter will be based solely at Cambridge Bay airport.
Gasoline	fuel	2	20	40	Liters	ATV, Snowmobile and Generator run on unleaded gasoline and a small quantity will be stored at camp in jerry cans on top of a spill containment tray with absorbent. Up to four 20L jerry can will be stored on site

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
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1	20 L Jugs carried by foot.	Nearby camp.
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Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Scientific/International Polar Year Research	Qinarivyaktuq imaq	20 L per day maximum	Grey water (coming from dishwashing) will be filtered to remove all particules bigger than 2mm diameter. Water will be drained in a hole in the ground away from water bodies. Hole will be away from camp and covered to avoid attracting wildlife to it. Biodegradable soap will be used. Particules filtered will be disposed in the trash and stored in bear proof containers.	N/A
Scientific/International Polar Year Research	Anaagun (inuin anaaguin)	Up to 1 kg per day (for 5 persons at camp).	Human waste will be collected at camp and brought back to Cambridge for appropriate disposal.	Containers will be sealed when not in use to avoid attracting wildlife.

Avatiliriniqmut Ayurhauingit:

A small temporary camp setting will be used. This camp will hold 1 cooking tent and up to 5 personal tents. Camp locations will change each 5 days. We will prefer barren ground/sandy area to reduce disturbance to the tundra at a minimum and will avoid wetland areas. Fuel will be stored on a spill containment tray and absorbent will be readily accessible to deal effectively with any fuel spill. Bear detectors and noise deterrent will be deployed during the whole duration of the camp. All food will be stored in tight containers to avoid smell and all trash will be collected in bear proof containers and brought back to Cambridge Bay. Low to no impact on the environment is expected.

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

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