NIRB Application for Screening #125970

Nanuit Itillinga NWA and Seymour Island (Naujavaat) MBS Management Activities

Application Type:	New
Project Type:	Scientific Research
Application Date:	5/28/2024 10:48:45 AM
Period of operation:	from 2024-06-01 to 2024-08-31
Project Proponent:	Jessica Kassar Environment and Climate Change Canada - Canadian Wildlife Service 301-933 Mivvik Street Iqaluit Nunavut X0A 2H0 Canada Phone Number:: 6479643647, Fax Number::

DETAILS

Non-technical project proposal description

English: Who: There will be 3-4 staff from Canadian Wildlife Service and a helicopter pilot proposed in the participation of this work in the Nanuit Itillinga National Wildlife Area and Seymour Island (Naujavat) Migratory bird Sanctuary.What and why: We plan to install remote cameras and recording units at Nanuit Itillinga National Wildlife Area for monitoring of species biodiversity, specifically to estimate the area used by the caribou herd when they cross the pass as requested by the Sulukvaut Area Co-Management Committee. A drone will also be used to photograph ATV trail areas used near the cameras and cabin. If necessary, we will stay 1 night at the cabin in Nanuit Itillinga NWA. Otherwise, we will return to Resolute Bay each day to our accommodations in the community. We also plan to install remote cameras and recording units at Seymour Island (Naujavaat) MBS with the goal of detecting the endangered Ivory Gull, as they were last seen there in 2019 and we hope to gather an updated population estimate. These cameras/recording units will also reveal non-target species and therefore a better understanding of species diversity in the MBS. The crew will be staying in Resolute Bay and travelling by helicopter to all locations for fieldwork. Where: all work will take place in both Nanuit Itillinga National Wildlife Area and Seymour Island Migratory Bird Sanctuary. The closest community is Resolute Bay. When: The work will take place within the time frame of July 1, 2024 to August 30, 2024. This work should take roughly 3 days to complete.

French: Qui: Qui: 3-4 employés du Service Canadien de la Faune et une pilote d'hélicoptère font parti de cette proposition de projet pour la réserve Nationale de Faune de Nanuit Itillinga et dans le refuge d'oiseaux migrateurs de l'île Seymour (Naujavat). Quoi et pourquoi: Nous prévoyons d'installer des caméras à distance et des unités d'enregistrement dans la réserve nationale de faune Nanuit Itillinga pour surveiller la biodiversité des espèces, notamment pour estimer la superficie utilisée par le troupeau de caribous lorsqu'ils traversent le col, comme l'a demandé le comité de cogestion de la région de Sulukvaut. Un drone sera également utilisé pour photographier les zones de sentiers de VTT utilisées à proximité des caméras et de la cabine. Si nécessaire, nous resterons 1 nuit au cabine dans la RNF Nanuit Itillinga. Sinon, nous retournerons chaque jour à Resolute Bay dans notre hébergement dans la communauté. Aussi, nous prévoyons également d'installer des caméras et des unités d'enregistrement à distance sur le ROM de l'île Seymour (Naujavaat) dans le but de détecter la Mouette blanche, une espèce en voie de disparition, telle qu'elle y a été vue pour la dernière fois en 2019, et nous espérons recueillir une estimation mise à jour de la population. Ces caméras/unités d'enregistrement permettront également de révéler des espèces non ciblées et donc une meilleure compréhension de la diversité des espèces dans le ROM. L'équipe restera à Resolute Bay et se rendra en hélicoptère à tous les endroits pour effectuer des travaux sur le terrain. Où : Tous les travaux auront lieu dans la réserve nationale de faune Nanuit Itillinga et dans le refuge d'oiseaux migrateurs de l'île Seymour. La communauté la plus proche est Resolute Bay.

Inuktitut: ᑭᒃᑯᑦ: ᐱᖓᓱᓂᑦ ᑎᓴᒪᓂᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᑕᓕᒃ ᑲᓇᑕᒥ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ ᐱᔨᑦᑎᕋᖅᑎᓂᒃ ᐊᒻᒪᓗ ᖁᓛᒎᓕᒧᑦ ᐊᖁᑎᒥᑦ ᐱᖃᑕᐅᒐᔭᖅᑐᑦ ᑕᐃᑲᓂ ᓄᓇᐃᑦ ᐃᑎᓪᓕᙵᓂ ᑲᓇᑕᒥ ᓂᕐᔪᑎᖃᕐᕕᒻᒥ (NWA) ᐊᒻᒪᓗ ᓇᐅᔭᕚᓂ ᑎᒻᒥᐊᖃᕐᕕᒻᒥ (MBS). ᑭᓱᑦ ᓱᒻᒪᓪᓗ: ᐊᔾᔨᓕᐅᕈᑎᓂᒃ ᐊᖅᑭᔅᓯᒍᒫᕋᑦᑕ ᓂᐱᓕᐅᕆᔫᓐᓇᖅᑐᓂᓪᓗ ᑕᐃᑲᓂ ᓄᓇᐃᑦ ᐃᑎᓪᓕᙵᓂ ᑲᓇᑕᒥ ᓂᕐᔪᑎᖃᕐᕕᒻᒥ ᐅᔾᔨᓯᒍᒪᓪᓗᑕ ᓂᕐᔪᑎᓂᒃ ᐊᔾᔨᒌᙱᑦᑐᓂᒃ, ᐱᓗᐊᖅᑐᒥᑦ ᒥᔅᓴᐅᓴᐃᒍᒪᓪᓗᑕ ᑐᑦᑐᓂᒃ ᐊᖅᑯᓲᖅᑕᖅᑐᓂ ᑕᒪᐅᓇ ᑐᔅᓯᕋᖅᓯᒪᒻᒪᑕ ᓱᓗᒃᕙᐅᑦ ᐱᓕᕆᖃᑎᒌᑦ ᑲᑎᒪᔨᕋᓛᖏᑦ. ᐊᔾᔨᓕᐅᕈᑎᓕᓐᓂᒃ ᖁᓛᒎᓕᓐᖑᐊᕐᓂᑦ ᐊᔾᔨᓕᐅᕆᖃᑦᑕᕋᔭᖅᑐᒍᑦ ᐱᓲᑦᑎᓄᑦ ᐊᖅᑯᑎᖏᓐᓂ ᐊᔾᔨᓕᐅᕆᓗᑕ ᖃᓂᒋᔭᖓᓐᓂ ᐊᔾᔨᓕᐅᕈᑏᑦ ᐃᓪᓗᕋᓛᒥᓗ. ᑕᐃᒪᐃᒋᐊᕈᑦᑕ, ᐅᓐᓄᐊᖅ ᓯᓂᑦᑕᕋᔭᖅᑐᒍᑦ ᐃᓪᓗᕋᓛᒥ ᓄᓇᐃᑦ ᐃᑎᓪᓕᙵᓂ ᐆᒪᔪᖃᕐᕕᒻᒥ. ᑭᓯᐊᓂᓕ, ᐅᓪᓗᐃᓐᓇᕋᔭᖅᑐᒍᑦ ᐅᑎᕐᓗᑕ ᖃᐅᓱᐃᑦᑐᒧᑦ. ᐊᔾᔨᓕᐅᕈᑎᓂᒃ ᓂᐱᓕᐅᕆᔫᓐᓇᖅᑐᓂᓪᓗ ᐋᖅᑭᔅᓯᒍᒫᕐᒥᔪᒍᑦ ᓇᐅᔭᕚᓂᑦ ᑎᒻᒥᐊᖃᕐᕕᒻᒥ ᐊᔾᔨᓕᐅᕆᔪᒪᓪᓗᑕ ᓇᐅᔭᕚᓂᒃ. ᑭᖑᓪᓕᖅᐹᒥ ᑕᑯᔭᒥᓂᑦ 2019–ᒥ, ᐊᒥᓲᓂᖏᓐᓂ ᒥᔅᓴᐃᓴᐃᒍᒪᒐᑦᑕ. ᑖᒃᑯᐊ ᐊᔾᔨᓕᐅᕈᑏᑦ ᓂᐱᓕᐅᕈᑏᑦ ᐊᓯᖏᓐᓂ ᓂᕐᔪᑎᓂᒃ ᑕᑯᒐᔭᕐᒥᔪᑦ ᖃᐅᔨᓴᖅᒥᑕᑦᑎᓂᓪᓕ ᑕᐃᒫᒃ ᑐᑭᓯᒃᑲᓐᓂᕈᑎᒋᔪᓐᓇᕐᒥᒐᑦᑐᒍ ᐊᔾᔨᒌᙱᑦᑐᓂᒃ ᓂᕐᔪᑎᓂᒃ ᓂᕐᔪᑎᖃᕐᕕᓐᓂᑦ. ᖃᐅᓱᐃᑦᑑᒥᓛᖅᑐᑦ ᐱᓕᕆᔪᑦ ᖁᓛᒎᓕᒃᑰᖃᑦᑕᕐᑐᑎᓪᓗ ᐅᐸᒋᐊᓕᒥᓄᑦ. ᓇᒥ: ᐱᓕᕆᒐᔭᖅᑐᑎᑦ ᓄᓇᐃᑦ ᐃᑎᓪᓕᙵᓂ ᑲᓇᑕᒥ ᓂᕐᔪᑎᖃᕐᕕᒻᒥᑦ ᐊᒻᒪᓗ ᓇᐅᔭᕚᓂᑦ ᑎᒻᒥᐅᖃᕐᕕᒻᒥ. ᖃᓂᒋᔭᖓᓗ ᖃᐅᓱᐃᑦᑑᑉ. ᖃᖓ: ᐱᓕᕆᒐᔭᖅᑐᑦ ᔪᓚᐃ 1–ᒥ, 2024 ᐋᒡᒌᔅᓯᒧᑦ 30, 2024. ᐅᓪᓗᓄᖅᑲᐃ ᐱᖓᓱᓄᑦ ᐱᔭᕇᖅᓯᐊᕋᔭᖅᑐᑦ.

Personnel

Personnel on site: 4

Days on site: 3

Total Person days: 12

Operations Phase: from 2024-06-01 to 2024-08-31

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Nanuit Ittilinga cabin location	Camp	Crown	The cabin at this site is used frequently by community members, CWS, Parks Canada, and others.	Unknown.	Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay.
Seymour Island desired location for camera and ARU set up.	Researching	Crown	Has been infrequently visited for Ivory Gull colony research. Mainly just presence/absence data or counts.	Unknown	Seymour Island is a migratory bird sanctuary. Closest community is Resolute Bay.
Tentative Camera 1 Location NINWA	Researching	Crown	Unknown	Unknown	Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay.
Tentative Camera 2 Location NINWA	Researching	Crown	Unknown	Unknown	Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay.
Tentative Camera 3 Location NINWA	Researching	Crown	Unknown	Unknown	Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay.
Tentative Camera 4 Location NINWA	Researching	Crown	Unknown	Unknown	Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Resolute Bay	Resolute Bay HTA	Baffin HTOs	2024-04-22

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Canadian Wildlife Service	Application for a Migratory Birds Regulations Scientific Permit	Applied, Decision Pending		
Canadian Wildlife Service	Application for a National Wildlife Area and Migratory Bird Sanctuary Permit (Access)	Applied, Decision Pending		
Government of Nunavut, Department of Environment	Application for a GN Wildlife Research Permit	Applied, Decision Pending		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Bell 206L (LR) (Helicopter) will be used to transport the crew from resolute bay to Nanuit Itillinga NWA and Seymour Island MBS	
Land	On foot	

Project accomodation types

Temporary Camp

Community

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
NWA Cabin	1	Unknown	There is a cabin in Nanuit Itillinga NWA. It will be used if the crew is grounded and must stay overnight for any reason.
Helicopter	1	32.4 ft	Bell 206L (LR) will be used to get from Resolute Bay (PCSP) and transport the crew to the locations of work. It will return the crew to Resolute Bay each day.
Twin Otter	1	20 m	To transport 7 drums of fuel from Resolute Bay to the Nanuit Itillinga cabin for fuel caching. This cache may be built in 2 trips anytime between June 1 and 30.Between July 17 and Aug 31, all fuel caches will be removed by twin otter in multiple trips.
Drone	1	Unknown	Aerial photography of areas surrounding the wildlife cameras and ARUs we propose to install in the NWA and MBS

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Propane	fuel	2	4	8	Gallons	Potentially to heat the cabin and use as a fuel source for cooking if the crew stays overnight in Nanuit Itillinga cabin.
Aviation fuel	fuel	7	205	1435	Liters	For use of the helicopter to travel to and from Nanuit Itillinga National Wildlife Area to Seymour Island (Naujavaat Migratory Bird

						Sanctuary) and Resolute Bay. Will bring the crew back to Resolute each day.

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	Only necessary if we are camping at the cabin in Nanuit Itillinga. Retrieval from nearby stream using a water container.	Not yet determined. May not be necessary.

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Greywater	60 L	This is only necessary if we end up camping at the Nanuit Itillinga cabin, but at the moment we are not sure we will camp there. If so, we will dispose of greywater by digging a small pit and disposing there. If we do not camp, we will not generate greywater.	With lime if greywater is generated.
Camp	Sewage (human waste)	2 per person per day	This is only necessary if we end up camping at the Nanuit Itillinga cabin, but at the moment we are not sure we will camp there. If we camp and generate waste, we remove from the NWA using Go Anywhere Kit waste bags. They will be transported with us back to the PCSP warehouse in Resolute.	NA

Environmental Impacts:

As we will be installing wildlife-monitoring equipment (cameras, ARUs), wildlife disturbance is a potential environmental impact of our activities as well as hydrocarbon spill from transportation by aviation. Researchers on site will take all measures to reduce disturbance to a minimum (keeping distances, avoid encounters, reducing time of observation/disturbance). Participants in the work will be briefed to follow the same measures. Spill kits will be onsite. All garbage will be brought back to the community for proper managing.

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

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

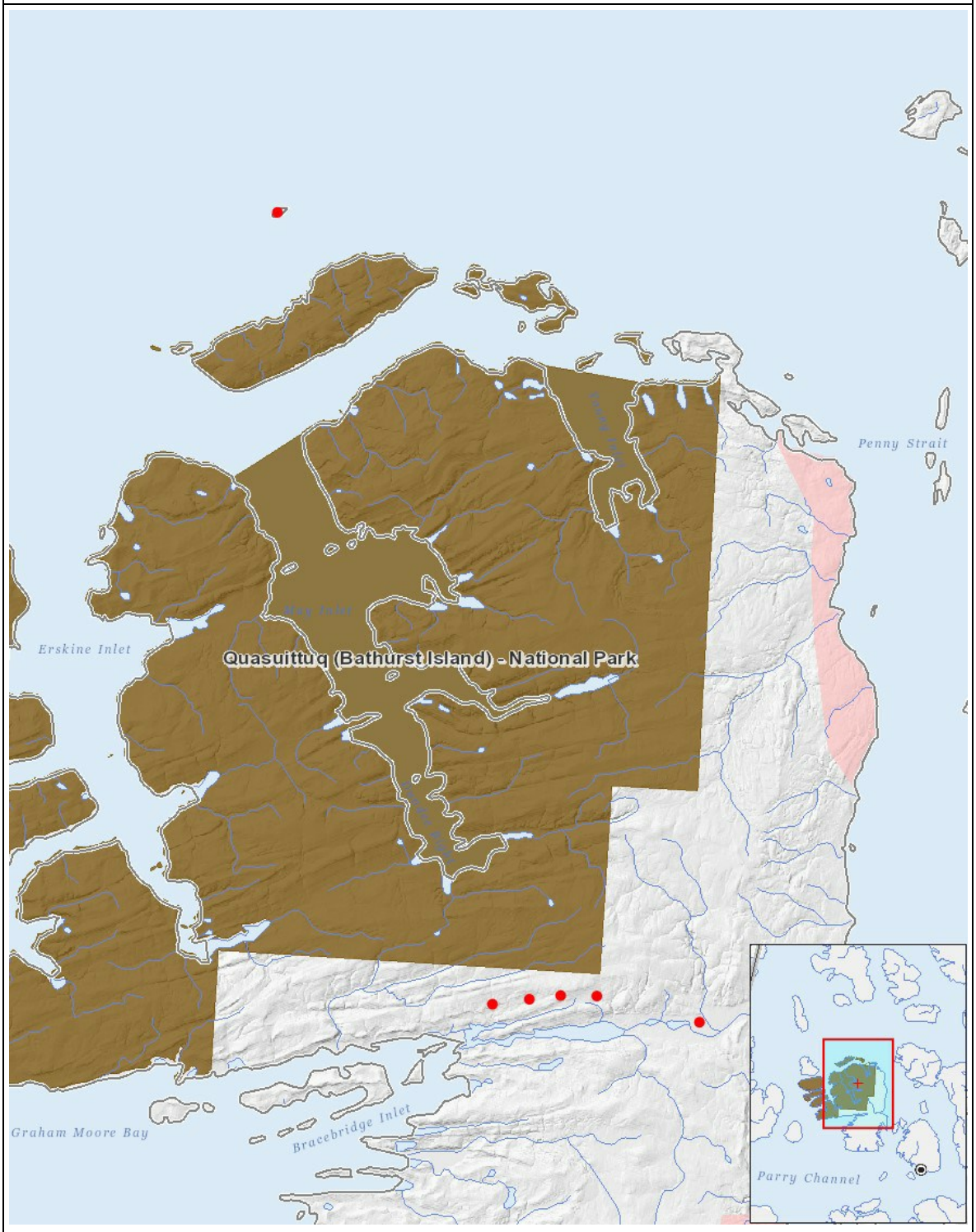
Impacts

Identification of Environmental Impacts

	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
Construction																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Operation																									
Camp		M	-	-	-	-	-	-	-	-	-	-	M		M	M	M	-	-		-	-	P	-	-
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	point	Nanuit Ittilinga cabin location
2	point	Seymour Island desired location for camera and ARU set up.
3	point	Tentative Camera 4 Location NINWA
4	point	Tentative Camera 3 Location NINWA
5	point	Tentative Camera 2 Location NINWA
6	point	Tentative Camera 1 Location NINWA