



## NIRB Application for Screening #125715

### 'Kaujivalliajut nillikulunnik | Getting to know little geese.'

**Application Type:** New

**Project Type:** Scientific Research

**Application Date:** 6/13/2022 8:50:17 AM

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

**Proposed Authorization:** from 0001-01-01 to 0001-01-01

**Project Proponent:** Meredith Purcell  
Torngat Wildlife, Plants and Fisheries Secretariat  
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Canada  
Phone Number:: 7098968912, Fax Number::

## DETAILS

### Non-technical project proposal description

English: Determine the species or subspecies of geese locally known as the lesser geese. Where are they coming from? They first appeared along coastal Labrador following a high wind event over a decade ago. Since that time, they have returned each year in the early fall and have been reported from Saglek to Port Hope Simpson. Since 2014 Environment and Climate Change Canada has been working with Indigenous groups and harvesters to collect reference samples. Measurements have not been effective in solving the goose mystery. We are now branching out to include a variety of methods such as isotopes, genetics, and community engagement in order to provide some additional clues on where these geese come from!

French: Déterminer l'espèce ou la sous-espèce d'oies connues localement sous le nom de petites oies. D'où viennent-elles ? Elles sont apparues pour la première fois le long de la côte du Labrador à la suite d'un épisode de vents violents il y a plus de dix ans. Depuis lors, elles reviennent chaque année au début de l'automne et ont été signalées de Saglek à Port Hope Simpson. Depuis 2014, Environnement et Changement climatique Canada collabore avec des groupes autochtones et des exploitants pour recueillir des échantillons de référence. Les mesures n'ont pas été efficaces pour résoudre le mystère des oies. Nous nous diversifions maintenant pour inclure une variété de méthodes telles que les isotopes, la génétique et l'engagement communautaire afin de fournir des indices supplémentaires sur l'origine de ces oies !

[illegible]

Inuinnaqtun: Naunairlugit kituungmangaat uluagullikpiat, ilihimajaujunit uluagullingnik. Humit tikipangmangaat? Tautuktauqaaliqhimajut Labrador hinaanitigut angurijuaqtuqaqhimatillugu qangaaraaluk, talvangaanit takunaqhiqattaqhimalitqut Saglekmit, Port Hope Simspon mut. Talvangaata 2014 mit Avatilirinikkut, Hilaliriniup Aallanguqtirnitigut havaqatigiiliqhimajut Nunaqaqaqhimajullu katitirinahuaqhutik ilitturijjutikhamingnik. Uuktuutilaangit ikajuutauqpiaqhimangittut naunaijajunit. Hajja aallanik uuktuqpallialiqtugut ulluagulliit timinginginnut, ijjuhiinnut, humiluuniit tikitpangmangaata!

## Personnel

Personnel on site: 0

Days on site: 0

Total Person days: 0

Operations Phase: from 2022-06-10 to 2022-10-31

# Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Bylot Island Bird Sanctuary	Other	Crown	N/A	N/A	N/A

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

## Authorizations

Indicate the areas in which the project is located:

Kitikmeot  
Kivalliq  
North Baffin  
South Baffin

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Canadian Wildlife Service	Scientific permit under the Migratory Bird Regulations	Active		
Canadian Wildlife Service	Migratory Bird Sanctuary permit under the Migratory Bird Sanctuary Regulations	Active		

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	We will not be accessing the sites at all. Researchers with separate permits and approvals will be collecting feathers for us in addition to their own work with geese.	

### Project accomodation types

Other,

# Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Paper Envelopes	200	5 in x 10 in	Collect goose feathers for isotope and genetic analysis
Envelopes	50	9 in x 12 in	Collect harvester samples

## Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Information is not available						

## Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

# Waste

## Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

## Environmental Impacts:

Feather samples will be taken from birds already being handled under other permits. Our project poses no additional risks or impacts beyond the scope of their existing permits.

# **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**



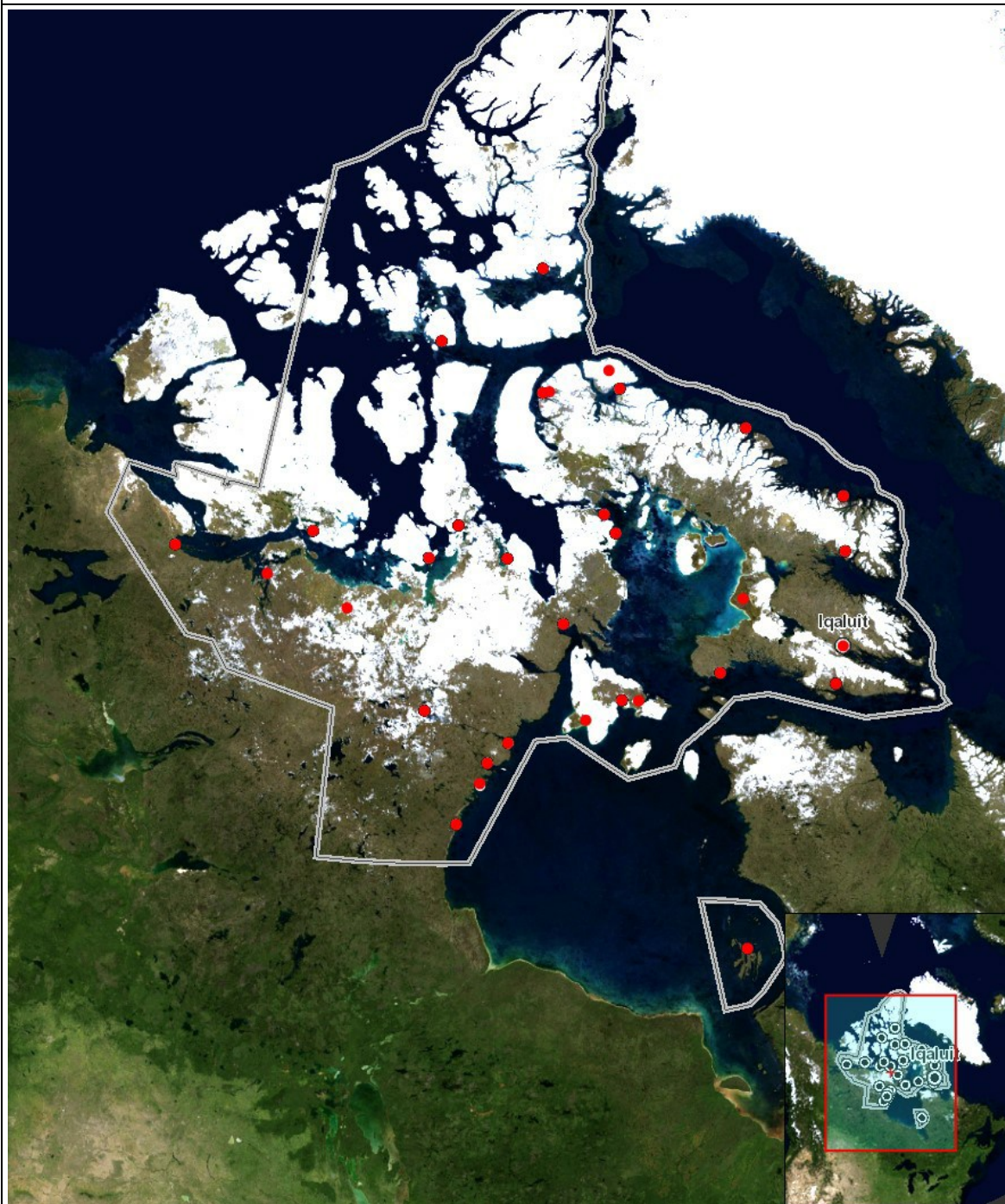
# Impacts

## 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
<b>Construction</b>																										
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<b>Operation</b>																										
Other		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	N	-	-		-	-	-	-	-
<b>Decommissioning</b>																										
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(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

## Project Location



## List of Project Geometries

1	point	Bylot Island Bird Sanctuary
2	point	Queen Maud Gulf Migratory Bird Sanctuary
3	point	Dewey Soper (Isulijarnik) Migratory Bird Sanctuary
4	point	East Bay Bird Sanctuary
5	point	Iqaluit
6	point	Pond Inlet
7	point	Kugluktuk
8	point	Rankin Inlet
9	point	Coral Harbour
10	point	Cambridge Bay
11	point	Arviat
12	point	Igloolik

13	point	Whale Cove
14	point	Baker Lake
15	point	Kinngait
16	point	Sanikiluaq
17	point	Naujaat
18	point	Taloyoak
19	point	Arctic Bay
20	point	Kimmirut
21	point	Grise Fiord
22	point	Sanirajak
23	point	Clyde River
24	point	Resolute
25	point	Gjoa Haven
26	point	Pangnirtung
27	point	Kugaaruk
28	point	Qikiqtarjuaq
29	point	Harry Gibbons
30	point	Chesterfield Inlet
31	point	Nanisivik
32	point	Umingmaktok