



## **NIRB Application for Screening #125566**

### **Quarry pit**

**Application Type:** New

**Project Type:** Pits and Quarries

**Application Date:** 9/28/2020 1:30:05 PM

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

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

**Project Proponent:** Kelly Bergsma  
Hiku Projects  
P.O. Box 2051  
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Canada  
Phone Number:: (867)983-6385, Fax Number::

## DETAILS

### Non-technical project proposal description

English: We at HIKU Projects are looking to access to the Quarry at the Gravel Site, we would like to access is between West Arm and Gravel Pit. The site has been used in the past from Kitnuna. And the Quarry can be accessed by existing roads, and are looking to access 200x200 sq. meters and would access 1000 cubic meters for this season of 2020. And may require more in the upcoming seasons. What we are currently looking to access is Sand & Gravel. And would be going through N.I.R.B here in Cambridge Bay, if granted through your office.

French: N/A

Inuktitut: N/A

Inuinnaqtun: Uvaptingni HIKU Havaanut tukhiutiyugut Uyaraqtarnirnut Hiurangni hauvigiyumaviuta Akulailgumit, uvanngat akunngani uvanilu Akulailgumit. Hamna hiuraqtarviuvakhimayuq uvanngat Kitnuna-mit, una uyaraqtarvik atuqtauvakhuni apquhiuqtaagtut. Qiniqhimayugut hiuraqturumavluta 200x200 kikkainnaatigut miitastigut. Tukhiqtuguttauq 1000 avataatigut miitastigut ukiungani atuqtavut 2020mi. Aippaagunngurumiluuniit. Tadjja qiniqhimayavut hiurainnarnit uyarannuallu, tukhiutiyavut ukunangat Nunavut Avatilikiyin Katimavianit hamani Iqaluktuuttiarmi naammagiyaupat havagviit.

### Personnel

Personnel on site: 2

Days on site: 20

Total Person days: 40

Operations Phase: from 2020-08-28 to 2021-10-27

Operations Phase: from 2020-08-30 to 2020-10-29

Closure Phase: from 2020-10-28 to 2021-05-28

Post-Closure Phase: from to

## Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Towards Gravel Pit. Kitnuna's old yard area	Quarry/Borrow pit	Municipal	Kitnuna did work here in the past.	N/a	Cambridge Bay

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Cambridge Bay	Kevin Taylor	Hamlet of Cambridge Bay	2020-09-01

## Authorizations

Indicate the areas in which the project is located:

Transboundary

Kitikmeot

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Other	Peter Scholz Nunavut Planning Commission	Active	2020-09-01	

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Land		

### Project accomodation types

Community

## Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Skid Steer Truck/ Trailer	1	?	Dig up gravel
Truck/Trailer	1	?	Hauling Gravel

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	200	200	Liters	slip tank in truck, sourced from Hamlet
hydraulic fluid	hazardous	2	50	100	Liters	in the machinery
Oil	hazardous	5	5	25	Liters	used in maintenance of machinery

### 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
Quarry/Borrow pit	Non-Combustible wastes	2 garbage bags	in Hamlet of Cambridge Bay Landfill	n/a
Quarry/Borrow pit	Non-Combustible wastes	4 containers	at local collection point if any oil or hydraulic fluid needs to be changed	n/a

### Environmental Impacts:

small impact but will be mitigated by very experienced individual that has worked on many projects in Alberta working for companies in the oil patch. work will be completed to a high level of detail.

# **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**

get materials from a previously used quarry site.

### **Description of Existing Environment: Biological Environment**

disturbed tundra

### **Description of Existing Environment: Socio-economic Environment**

all local travel routes will be maintained open so people can access their cabins or travel through for hunting.

### **Miscellaneous Project Information**

### **Identification of Impacts and Proposed Mitigation Measures**

any garbage brought to site will be taken out and properly disposed of. spill kits will be available with the vehicle and equipment. all spills will be properly reported and cleaned up. all local regulations will be followed. wildlife will be watched for and avoided if and when required if materials sourced during spring.

### **Cumulative Effects**

limited cumulative effects as there is some work in the area by other local developers.



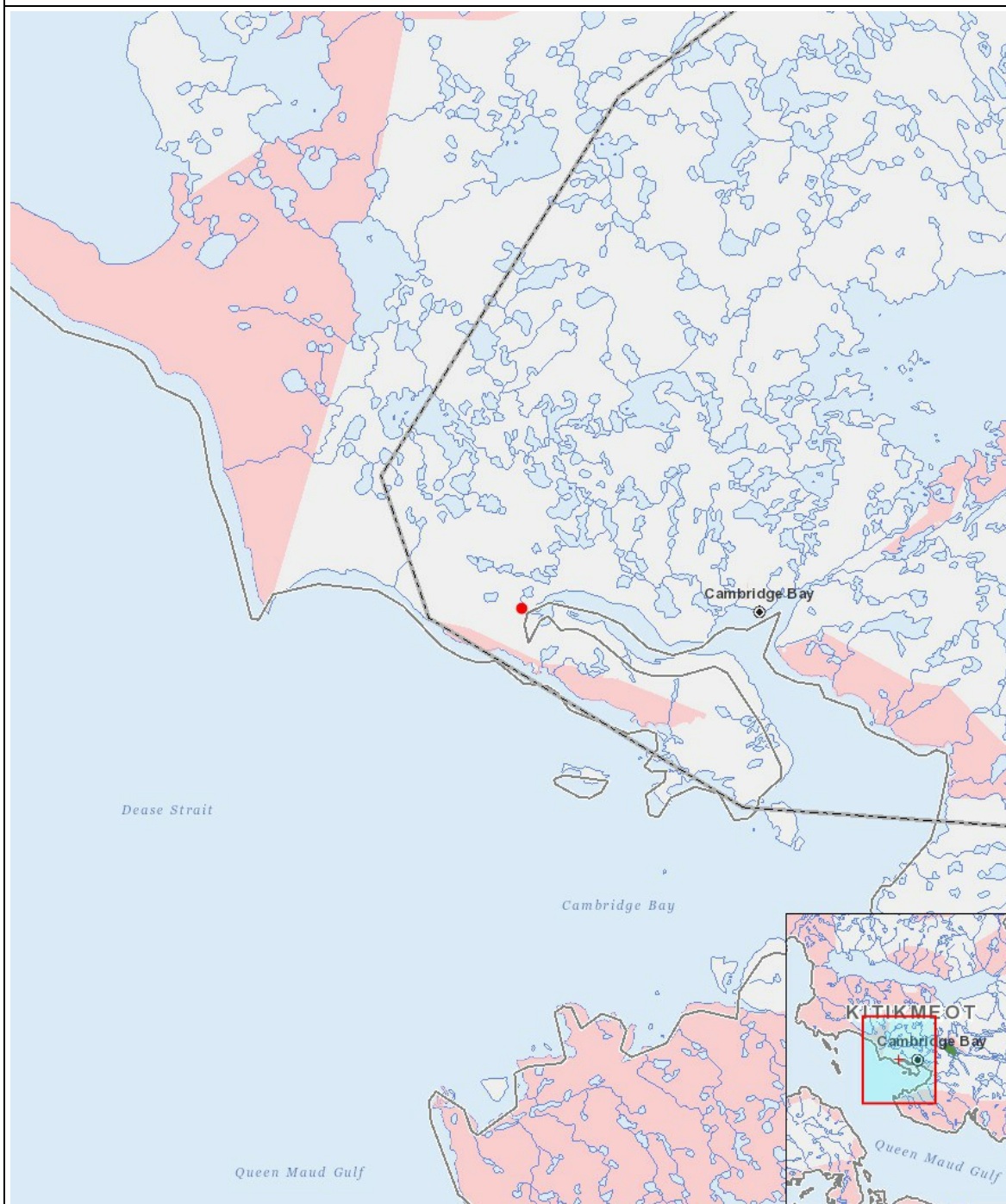
# Impacts

## 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>																									
Quarry/Borrow pit		-	M	N	-	M	N	-	N	M	-	M	M		M	M	M	-	-		M	P	P	P	P
<b>Operation</b>																									
Quarry/Borrow pit		-	M	N	-	M	N	-	N	M	-	M	M		M	M	M	-	-		M	P	P	P	P
<b>Decommissioning</b>																									
Quarry/Borrow pit		-	M	N	-	M	-	-	N	M	-	-	-		P	P	P	-	-		-	M	M	-	P

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

## Project Location



## List of Project Geometries

- |   |         |   |
|---|---------|---|
| 1 | polygon | Towards Gravel Pit. Kitnuna's old yard area |
| 2 | point   | ?   |