NIRB Application for Screening #125518
Whale Cove quarry site #4

Application Type:	New
Project Type:	Pits and Quarries
Application Date:	5/7/2020 1:40:05 PM
Period of operation:	from 0001-01-01 to 0001-01-01
Proposed Authorization:	from 0001-01-01 to 0001-01-01
Project Proponent:	Randy Mercer Government of Nunavut P.O. Box 490 Rankin Inlet Nunavut X0C 0G0 Canada Phone Number:: 867-645-8115, Fax Number:: 867-645-8143

DETAILS

Non-technical project proposal description

English:

French:

Inuktitut:

Personnel

Personnel on site: 2
Days on site: 1800
Total Person days: 3600
Operations Phase: from 2020-04-04 to 2040-04-04

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
quarry boundary	Quarry/Borrow pit	Commissioners	This site has no prior use.	To the best of my knowledge there is no Archaeological or Paleontological value within or around the quarry boundary.	The quarry is located approximately 7.2 kilometres north from the Hamlet of Whale Cove. There are no known protected areas within or around the quarry

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Whale Cove	Jeani MacKenzie, Senior Administrative Officer	Hamlet of WHale Cove	2020-03-25
Rankin Inlet	Brian Duguay, Manager, Facilities Engineering	Government of Nunavut-Nunavut Airports Division	2020-03-24

Authorizations

Indicate the areas in which the project is located:

Kivalliq

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Government of Nunavut, Community Government & Services	The quarry boundary is located on Untitled Municipal Land, which is administered by CGS. CGS is the applicant.	Active		
Hamlets and Municipalities	Once a legal survey is done for the quarry, ownership will be transferred to the Hamlet. Senior administrative officer gave consent to move forward with this application.	Active	2020-03-24	

Project transportation types

Transportation Type	Proposed Use	Length of Use
Land	An extra 500 metres of road length will be constructed to reach the quarry. Dump trucks and loaders will be used to extract quarry material	

Project accomodation types

Community

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
loader	1	5.7m x 2.7m x1.5m	excavate quarry material
dump truck	1	8m x 2.5m x 3.4m	haul quarry material

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:

The natural vegetation such as moss and other arctic plants on the surface will be destroyed due to the extraction process of the aggregate. After the quarry is depleted of usable aggregate, the edges of the quarry will be smoothed out to prevent steep inclines. The Vegetation will grow back over time. There are 4 small ponds located around the the quarry boundary. In order to minimize the disturbance, we will only extract aggregate within a reasonable distance from these ponds.

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

(see attached document named Whale Cove quarry site #4- environmental)

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

(see attached document named Whale Cove quarry site #4- environmental)

Description of Existing Environment: Biological Environment

(see attached document named Whale Cove quarry site #4- environmental)

Description of Existing Environment: Socio-economic Environment

(see attached document named Whale Cove quarry site #4- environmental)

Miscellaneous Project Information

(see attached document named Whale Cove quarry site #4- environmental)

Identification of Impacts and Proposed Mitigation Measures

Nothing else to add other than what was mentioned in the Impacts tab

Cumulative Effects

(see attached document named Whale Cove quarry site #4- environmental)

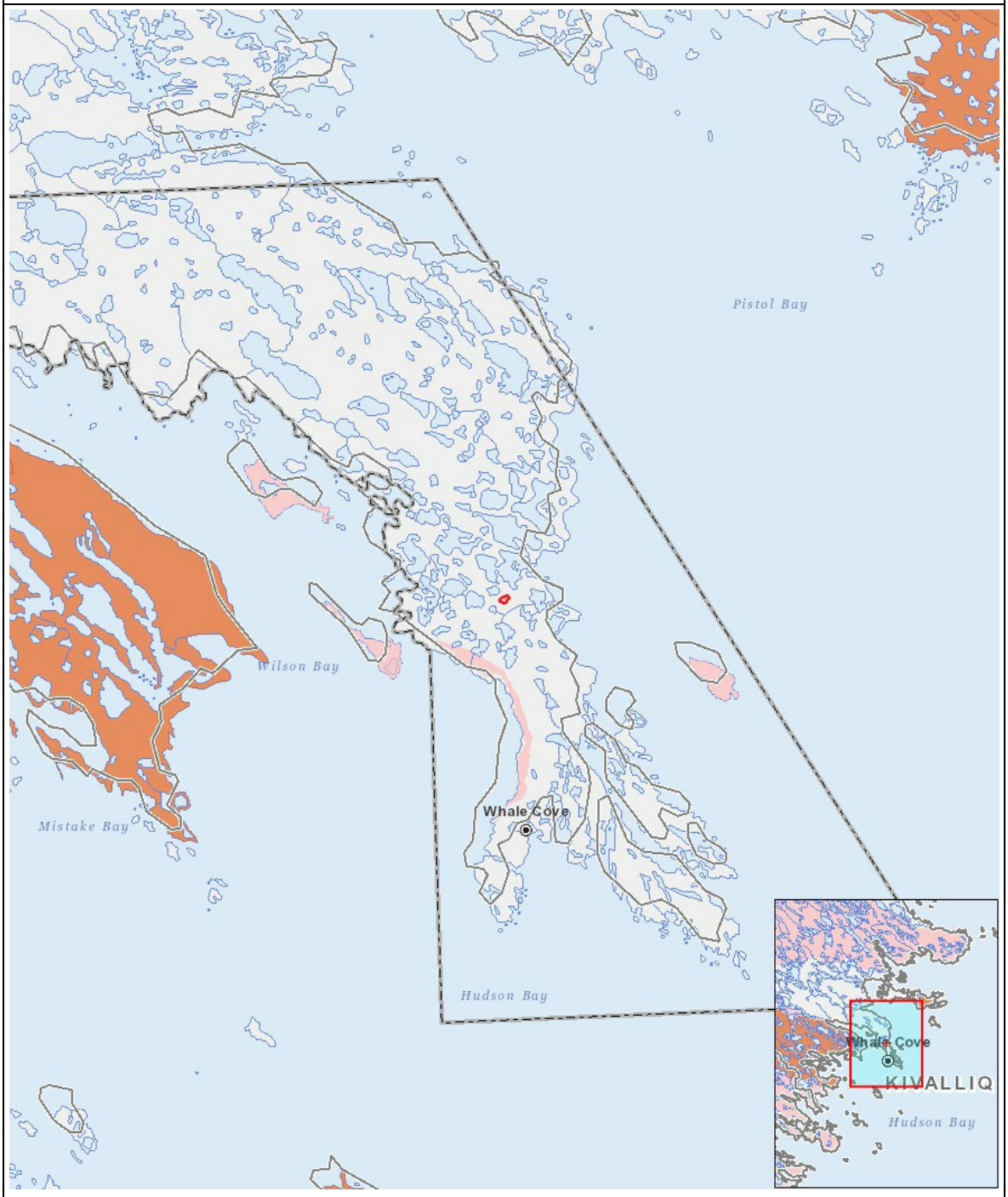
Impacts

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																									
Quarry/Borrow pit		-	U	U	-	-	U	-	-	U	-	-	N		N	-	-	-	-		-	P	P	P	-
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Project Location



List of Project Geometries

1	polygon	quarry boundary