

New

Pits and Quarries

12/7/2022 4:48:47 PM

ᠪᠠᠯᠢᠨᠪ᠋ᠳᠤᠰᠡᠭᠦᠷᠣᠨᠲᠤᠰ: from 0001-01-01 to 0001-01-01

ᐱᓕᓂᑦᐅᓯᐱᓴᓴᓴ:

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Operations Phase: from 2023-01-28 to 2023-06-30

ለፍጥነት ለማድረግ የሚያስፈልጉትን መረጃ ያስገቡ

ስም	የግብርናው አይነት	የግብርናው ዓይነት	የግብርናው ቦታ	የግብርናው ስያሜ	የግብርናው ቦታ
Sandbar	Quarry/Borrow pit	Crown	The site is the beach outside the Ordinary High Water Mark	Unknown	Within town

የግብርናውን አይነት ለማወቅ የሚያስፈልጉትን መረጃ ያስገቡ

የግብርናው አይነት	የግብርናው ስያሜ	የግብርናው ቦታ	የግብርናው ቦታ
የግብርናው አይነት	Jamie Evic	Municipality of Pangnirtung	2022-11-15

Λ⁹D^c Δ^aR^dΔ^b ΔD^bC DσD^eL^dΔ^b Δc^bP DΠ^cR^c ΔjCΔ^c, Γ^cΔPΔ^c, Δ^bL Cj^b, ΔeP D^c ΔP^aR^cΔ

በበፍጥረቱ ስራ ላይ ለሚገኙት ሰራተኞች ምርጫ ስራ ላይ ለማቅረብ ይገባል፡፡

$\Delta L^{\epsilon_b} \triangleleft \triangleright^{\epsilon_b} C \triangleright \triangleleft \dot{L}^{\epsilon_b} \triangleright^{\epsilon_b}$

$\mathbb{D}^c \rightarrow \mathbb{C} \mathbb{L}^{\mathbb{F}_b} \rightarrow \mathbb{D}^{\mathbb{F}_b} \mathbb{C} \mathbb{D}^{\sigma} \mathbb{D}^{\mathbb{F}_b} \mathbb{D}^{\mathbb{F}_b}$	$\mathbb{F}_b \rightarrow \mathbb{F}_b \rightarrow \Delta \Gamma^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b} \sigma \mathbb{D}^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b}$	$\mathbb{D}^{\mathbb{F}_b} \rightarrow \Delta \Gamma^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b} \sigma \mathbb{D}^{\mathbb{F}_b} \mathbb{C}^{\mathbb{F}_b}$
0		

$$\Delta^b C d \in \mathcal{L}_\sigma \Delta^q \sigma^q b$$

ለጽሑፍ ማረጋገጫ ለጽሑፍ ማረጋገጫ	የፍጥነት ማለፊያ የፍጥነት ማለፊያ	የፍጥነት ማለፊያ የፍጥነት ማለፊያ	የፍጥነት ማለፊያ የፍጥነት ማለፊያ	የፍጥነት ማለፊያ የፍጥነት ማለፊያ
Dredging	የፍጥነት ማለፊያ የፍጥነት ማለፊያ	1 ton	A bin will be placed on site to collect waste.	None

$\Delta^{\circ} \text{G}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6) = -123.4 \text{ kJ mol}^{-1}$

The site will be used to extract sand and gravel deposits to be used for winter road maintenance in the community of Pangnirtung. Stockpiling of aggregate may occur. Depending on the exact location that material will be extracted from, dredging could occur in the small stream that runs through the area. Minor slumping may occur but will be levelled off in the summer. Care will be taken not to extract material from sections that could result in silting of the stream. No water will be used in this project and no waste will be dumped into any water source. The runoff from this site will be all natural material (dust, sand etc.) in which runoff of this material already occurs in nature. No plans for snow accumulation exist due to the fact that any changes in snow drifting in this area from extraction of aggregate will be minimal (if any). No fuel will be stored at this location so no official plan exists. In the unlikely event that a transportation vehicle's (dump truck/loader) fuel tank is punctured, the Municipality will call the NU 24-hour spill report line at (867) 920-8130 and immediately extract and remove the aggregate at the point of the spill. The contaminated soil will be relocated to the community land farm. The Municipality's contact information is as follows: ATTN: Will Gange, Municipality of Pangnirtung P.O. Box 253, Pangnirtung, NU X0C 0R0 PH: (867) 473-8953. Dust Control Measures - Extraction is happening during the winter, the production of dust will be greatly reduced. Reducing haul trips and limiting speeds on unpaved roads. Wetting material prior to processing or loading. Covering stock piles, conveyor belts, and loads in trucks. Locating stock piles in locations that limit their exposure to wind. Proper loading of trucks.

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

The site contains natural deposits of gravel and sand. Stockpiling of aggregate may occur. Depending on the exact location that material will be extracted from, dredging could occur in the small stream that runs through the area. Minor slumping may occur but will be levelled off in the summer. Care will be taken not to extract material from sections that could result in silting of the stream. No water will be used in this project and no waste will be dumped into any water source. The runoff from this site will be all natural material (dust, sand etc.) in which runoff of this material already occurs in nature. No plans for snow accumulation exist due to the fact that any changes in snow drifting in this area from extraction of aggregate will be minimal (if any). No fuel will be stored at this location so no official plan exists. In the unlikely event that a transportation vehicle's (dump truck/loader) fuel tank is punctured, the Municipality will call the NU 24-hour spill report line at (867) 920-8130 and immediately extract and remove the aggregate at the point of the spill. The contaminated soil will be relocated to the community land farm. The Municipality's contact information is as follows: ATTN: Will Gange, Municipality of Pangnirtung P.O. Box 253, Pangnirtung, NU X0C 0R0 PH: (867) 473-8953.

Dust Control Measures

Dust control Measures - Regular washing of extraction, processing and transport

equipment. Reducing haul trips and limiting speeds on unpaved roads. Wetting material prior to processing or loading. Covering stock piles, conveyor belts, and loads in trucks. Locating stock piles in locations that limit their exposure to wind. proper loading of trucks. Avoid scheduling loading, unloading and blasting activities on a windy days.

- Re-vegetating disturbed areas as soon as possible to reduce erosion and minimize dust.

Erosion Control Measures. An un-disturbed, vegetation buffer zone and sediment fence barrier will be maintained between the quarry and the ocean where possible; Progressive site stabilization will be implemented as soon as practically possible, and maintained at all times during the extraction. This is a temporal access and only about 140 cubic meters of material will be taken.

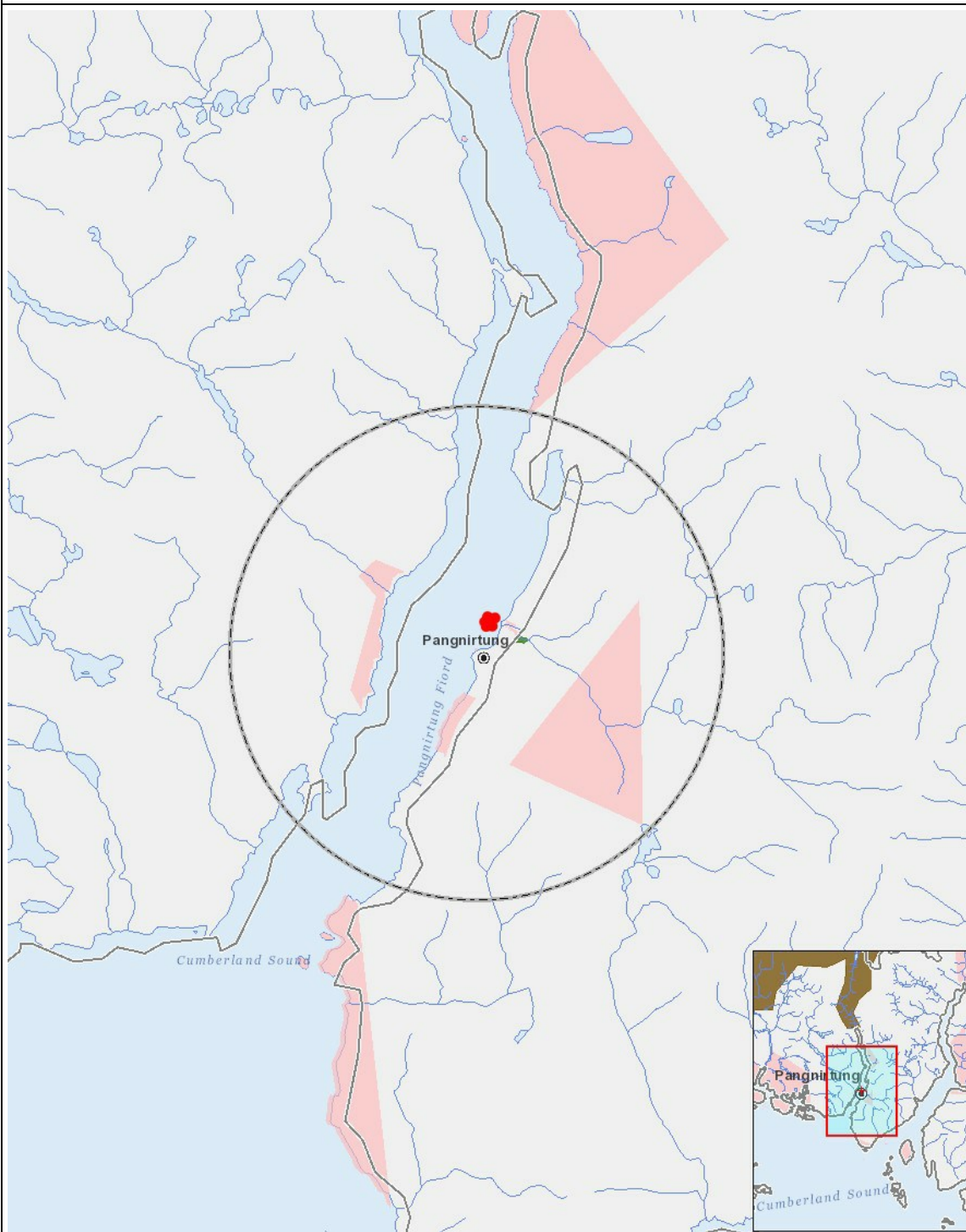
Cumulative Effects

Impacts

$\mathcal{L}(\mathcal{A}) \subseteq \mathcal{L}(\mathcal{B})$

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																	

$$(P = \langle b \rangle \dot{\cup} P \cap \langle a \rangle^c, N = \langle b \rangle \cap \langle \langle \langle a \rangle^c \rangle^c \rangle^c \langle \langle \langle a \rangle^c \rangle^c \rangle^c \langle \langle \langle a \rangle^c \rangle^c \rangle^c, M = \langle b \rangle \cap \langle \langle \langle a \rangle^c \rangle^c \rangle^c \langle \langle \langle a \rangle^c \rangle^c \rangle^c, U = \langle \langle \langle a \rangle^c \rangle^c \rangle^c \langle \langle \langle a \rangle^c \rangle^c \rangle^c)$$



List of Project Geometries

1	polyline	Sandbar
2	point	TP-2
3	point	TP-3
4	point	TP-2
5	point	TP-1
6	point	TP-5