



## **NIRB Application for Screening #125842**

### **Access Trail Project Chesterfield Inlet**

**Application Type:** New

**Project Type:** All-Weather Road / Access Trail

**Application Date:** 7/31/2023 7:33:54 PM

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

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

**Project Proponent:** David Kattagatsiak  
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Canada  
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DETAILS

Non-technical project proposal description

English: The Hamlet of Chesterfield Inlet (the Hamlet) is interested to build road infrastructure to support the development of a series of gravel sites. The intention of the gravel sites is to support community maintenance activities (e.g., road and airport runway maintenance, development of housing pads/commercial lots) within the Hamlet. Dynamic Ocean Consulting Ltd (Dynamic Ocean) has been retained by the Hamlet to support with regulatory approvals from Authorities Having Jurisdiction (AHJs). Approval from AHJs will be required for the portions of the road infrastructure that extend outside of the municipal boundaries. Several access trail routes to new quarries are being considered, all of which will be constructed entirely outside of municipal boundaries. The Hamlet will be responsible for the construction of the access roads and utilization of the gravel material. Construction is dependent on funding opportunities with the territorial and federal governments, however, the Project is expected to initiate in 2024. Construction of the full extent of the road may occur gradually over a period of 10 years. In total it is expected that construction can be completed in approximately 40 days but as above, may occur gradually over a period of a decade. Construction will be undertaken during 12-hour day shifts, seven days a week. It is anticipated that construction will require six to 10 construction workers.

French: N/A

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Inuinnaqtun: N/A

Personnel

- Personnel on site: 10
- Days on site: 40
- Total Person days: 400
- Operations Phase: from 2024-06-22 to 2034-06-22
- Operations Phase: from 2024-06-22 to 2034-06-22
- 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
approximate road location	Access Road	Municipal	Chesterfield Inlet is a hamlet located on the western shore of Hudson Bay in the Kivalliq Region of Nunavut, Canada, at the mouth of Chesterfield Inlet. Chesterfield Inlet it is the oldest community in Nunavut.	An Archaeological Impact Assessment will be undertaken prior to construction of the Project	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:

Kivalliq

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Kivalliq Inuit Association	Should the selected Access Trail pass through Inuit Owned Land, a Right of Way approval will be required.	Not Yet Applied		
Nunavut Water Board	A Type B license will be required for construction of roads where culverts or water crossings over water bodies are required.	Not Yet Applied		
Other	Class 2 Archaeologist Permit from GN - Culture and Heritage to confirm construction will not impact any important archaeological features and, if required, an AIA will be undertaken prior to construction.	Not Yet Applied		
Government of Nunavut, Community and Government Services	A Land Use Permit will be required from GN-CGS if any of the selected Access Trail passes through Commissioners land.	Not Yet Applied		
Fisheries and Oceans Canada	A project Request for Review (RFR) will be submitted should the project involve water crossings, or if culverts are fish bearing, or if any project components occur in-water or near-water that have the ability to result in harmful alteration, disruption, or destruction to fish or fish habitat.	Not Yet Applied		
Hamlets and Municipalities	Quarry permit	Not Yet Applied		

### Project transportation types

Transportation Type	Proposed Use	Length of Use
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Land	Project personnel will travel to construction areas via land.	
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### **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	20.25ft H x 7.91ft.W	Access trail
Cat	1	14.95 ft. L x 7.65 ft. W	Access Trail
Dump Truck	1	21 ft. L x 8.5 ft. W	Access Trail

### 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	1000000	1000000	Liters	Mobile equipment, generators and heaters
Gasoline	fuel	1	5000	5000	Liters	Proposed useMobile equipment, generators and heaters
Propane	fuel	5	20	100	Liters	heaters
Lubes and Oils	hazardous	10	5	50	Gallons	Maintenance of mobile equipment

### 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
Access Road	Combustible wastes	2 tons	Hamlet landfill	N/A
Access Road	Hazardous waste	2000 litres	Returned to the south in sealed drums or lined bags, transported in 20' shipping containers and disposed of according to regulatory procedures.	N/A
Access Road	Non-Combustible wastes	0.5 tons	Hamlet landfill	N/A
Access Road	Overburden (organic soil, waste material, tailings)	negligible	quarry	N/A

### Environmental Impacts:

A description of the potential environmental impacts, as well as mitigation and monitoring measures, are presented in Sections 3 and 4 of the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0). An Environmental Effects Table is also provided in Appendix A of the attached supplementary letter, outlining activity-specific environmental impacts.

# **Additional Information**

## **SECTION A1: Project Info**

Please refer to the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

## **SECTION A2: Allweather Road**

Please refer to the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

## **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**

Please refer to the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

## **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**

Potential environmental impacts are described in Section 3 of the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

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

Potential social impacts are described in Section 3 of the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

**Miscellaneous Project Information**

**Identification of Impacts and Proposed Mitigation Measures**

Mitigation measures are described in Section 4.1 of the attached supplementary letter (LET-CHES-01-NIRB Application Letter-0001-23.R0).

**Cumulative Effects**

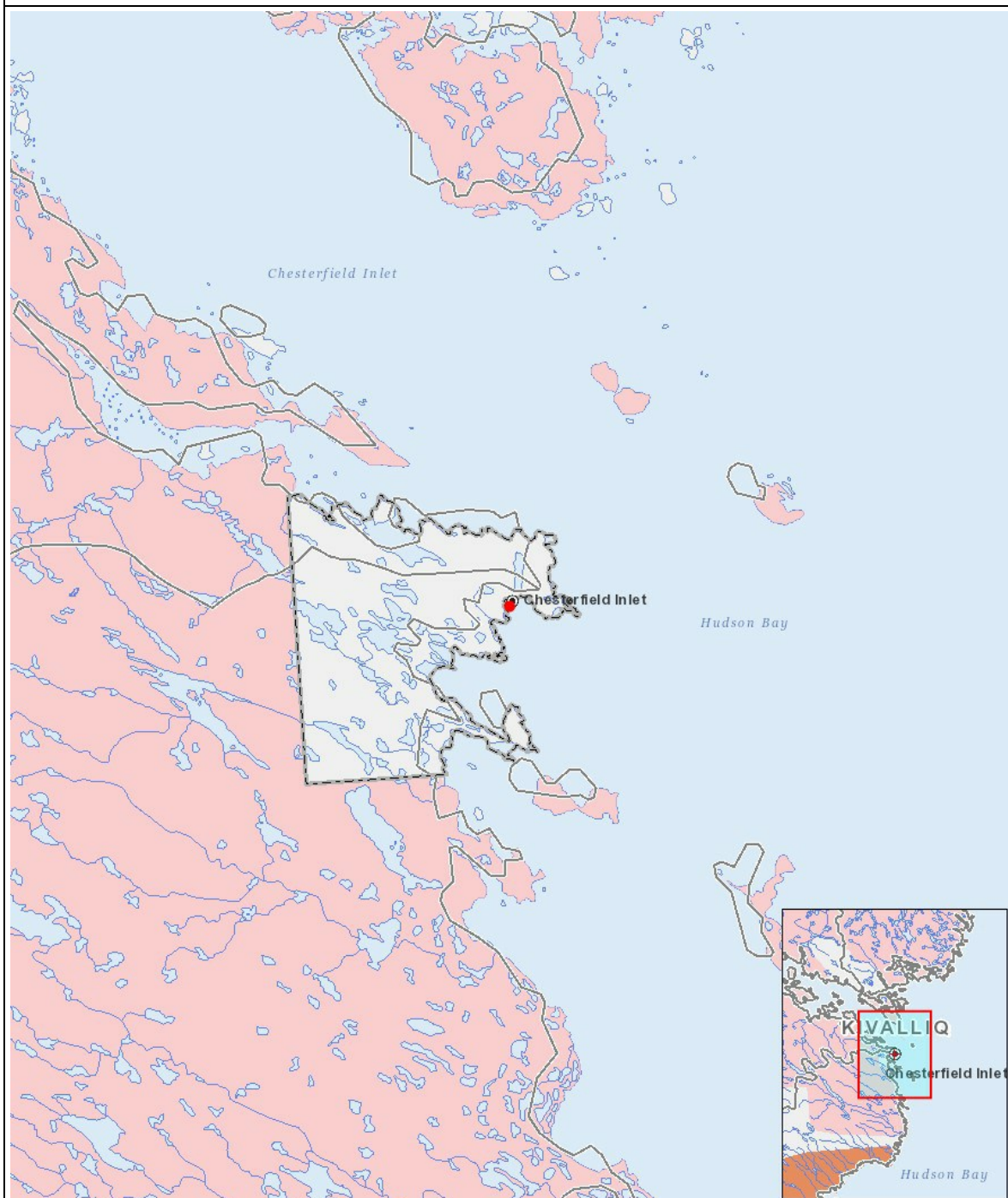
Impacts

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																										
Access Road		-	M	M	-	-	-	-	-	-	-	-	M	M		M	M	M	M	M		M	P	M	M	M
Operation																										
Access Road		-	-	-	-	-	-	-	-	-	-	-	M	M		M	M	M	-	-		-	P	-	P	-
Decommissioning																										
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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	approximate road location
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