NIRB Application for Screening #126348
Cache Zone 2026

Application Type:	New
Project Type:	Mineral Exploration
Application Date:	Saturday, March 7, 2026
Period of operation:	from 2026-07-28 to 2026-08-03
Project Proponent:	John Tugak Inuit Mining & Exploration PO Box 1270 Arviat Nunavut X0C-0E0 Canada Phone Number:: 867-525-0112, Fax Number::

DETAILS

Non-technical project proposal description

English: Travel to/from location by float plane to location to Quartzite Lake out of Arviat, NU. Temporary Camp will be within the shores of Quartzite Lake with coordinates: 417666 East/6916757 North (Zone 15). Conduct magnetics using Gradiometer 3D by foot as device connects to cell device via bluetooth within mineralized zones, and to understand mineralized veins to a depth of 5 meters. Start diamond drilling over mineralized zones of up to 60 meters within claim area. A depression will be built by shoveling earth of 1 meter for drilling waste water. Waste water to be retrieved using sump pump, into a jerry can and each fill up to be poured to depression and cover with earth. Human waste will also be drained to depression. Water for camp will be retrieved from Quartzite Lake manually using jug into water tank. Gasoline of one drum containing 205 liters will be place in coordinate: 417642 East/6916701 North (Zone 15 UTM), away from high water mark past 31 meters.

French: Le déplacement aller-retour se fera en hydravion jusqu'au lac Quartzite, au départ d'Arviat (Nunavut). Le campement temporaire sera situé sur les rives du lac, aux coordonnées 417666 Est / 6916757 Nord (zone 15). Des levés magnétiques seront effectués à pied à l'aide d'un gradiomètre 3D connecté à un téléphone portable par Bluetooth, dans les zones minéralisées, afin d'identifier les veines minéralisées jusqu'à une profondeur de 5 mètres. Des forages au diamant seront ensuite entrepris dans les zones minéralisées, jusqu'à une profondeur de 60 mètres, à l'intérieur du périmètre de la concession. Une dépression d'un mètre de profondeur sera creusée pour recueillir les eaux usées de forage. Ces eaux seront pompées dans un jerrycan, puis remplies à chaque remplissage et déversées dans la dépression, qui sera ensuite recouverte de terre. Les eaux usées humaines y seront également évacuées. L'eau nécessaire au campement sera puisée manuellement dans le lac Quartzite à l'aide d'un bidon et versée dans un réservoir. L'essence d'un fût contenant 205 litres sera placée aux coordonnées : 417642 Est/6916701 Nord (Zone 15 UTM), à plus de 31 mètres de la ligne des hautes eaux.

Inuktitut: ᐊᐅᓪᓚᖏᓂᖅ ᑕᐃᔨᓴᐅᓗᑎᖅ/ᑕᐃᑲᓴᓪᓚ ᐳᖅᑕᓪᑲᖅᔨᑦ ᖃᖏᓚᑕᓱᖅᔨᑦ Quartzite ᑕᓱᕐᒧᑦ ᐊᕐᕕᐊᑦ, ᓄᓇᕗᓪᒥᑦ. ᑕᖏᒻᒪᖃᓱᒪᓕᐅᑲᖏᓂᔪᐊᖅᑐᑦ ᓱᓴᖏᓚᓂᔪᓂᐊᖅᑐᑦ Quartzite ᑕᓱᐅᐸ ᑐᑭᒧᐊᑭᑎᑦᑎᒋᑦ: 417666 ᑲᓇᖏᓚᖏᓂ/6916757 ᐅᐊᖏᓚᖏᓂ (ᑭᖑᓪᓕᐅᖃᓱᒪᔪᖅ 15). ᖃᐅᔨᓴᓪᓚᑦ ᓂᐱᖅᑲᓇᖏᑦᑐᑦ ᐊᑐᓴᓚᖅ Gradiometer 3D ᐃᓱᒪᔨᑦ ᑲᐸᑎᓗᓂ ᐅᖃᓗᐅᑎᕋᓕᒧᑦ bluetooth-ᓄᑦ ᐅᓴᕐᖏᓂᐊᑲᓴᖏᑦᑐᓂᖅ, ᑐᑭᓱᓇᓱᓚᑦᓪᓗ ᐅᓴᕐᖏᓂᐊᑲᓴᑦ ᐃᑎᓂᓪᓕᑦ 5 ᑭᑕᓂᖅ. ᐃᓄᑕᖏᐸᓪᓕᓪᓕᓪᓚᖅ ᐅᓴᕐᖏᓂᐊᑲᓴᖅ 60 ᑭᑕᓂᖅ ᐅᓴᕐᖏᓂᐊᖃᐅᐸ ᐃᓗᓪᐊᓂ. ᐊᖏᒪᓗᖏᓱᓂᖏᖅ ᓴᓇᔨᐅᓂᐊᖅᑐᖏᖅ ᐳᐊᖃᕐᓴᖏᑕᐅᓗᓂ ᓄᓇ 1 ᑭᑕᒥᖅ ᐃᓄᑕᖃᐅᓂᐊᖅᑐᒥᖅ ᐃᑭᑕᐅᔪᖅ ᐃᒪᖅᒥᖅ. ᐃᑭᑕᐅᔪᖅ ᐃᒪᖅ ᐱᔨᐅᓗᓂ ᒥᓪᓗᐊᑭᑎᒧᑦ, ᐅᖅᓄᓱᕐᖃᖏᓪᒧᑦ ᑕᑕᑕᐅᓗᓂᓗ ᑯᖃᔨᐅᓗᓂ ᐊᖏᒪᓗᖏᓱᓂᖏᖅ ᒪᑐᓗᔪᓗ ᓄᓇᒧᑦ. ᐃᓄᐃᑦ ᐊᓇᖏᑭᑦ ᑯᖃᑎᑕᐅᓂᐊᖅᑎᔪᑦ ᓄᓀᓱᓂᕐᒧᑦ. ᐃᒪᖅ ᑕᖏᒻᒪᖃᖃᖏᓪᒧᖅᐳᖅ Quartzite ᑕᓱᕐᒥ ᐊᖏᓴᓄᑯᑦ ᐊᑐᖅᑐᖅᕐᓗᓂ ᐃᒪᖅᐅᑎᑦ ᐃᒪᖅᐅᑎᒧᑦ. ᐄᓴᓪ ᐊᑕᐅᓱᓂ ᖃᑦᑕᐅᓴᕐᔪᐊᖅ ᐃᓗᓪᖏᓂᖅᑐᖅ 205 ᓪᑕᓂᖅ ᐃᓪᓕᐅᓂᐊᖅᑐᖅ ᑐᑭᓱᒪᓄᑕᐅᓗᓂ: 417642 ᑲᓇᖏᓚᖏᓂ/6916701 ᐅᐊᖏᓚᖏᓂ (ᑭᖑᓪᓕᐅᖃᓱᒪᔪᖅ 15 UTM), ᐅᖏᓴᓱᑎᑕᓗᓂ ᐃᒪᐅᐸ ᑭᖑᓪᓚ 31 ᑭᑕᒃ ᐅᖏᓚᒋᓄᒃ.

Inuinnaqtun: Aullaarniq talvunga/talvannga float tingmitikkut uvunga Quartzite Tahianun Arviat, Nunavut. Tangmaarvikhaq nayugaqarniaqtuq hinaani Quartzite Tahiani ukuninga atuqtakharnik: 417666 Kivataani/6916757 Tununganirmi (Kiklia 15). Ihivriuqlugit nipitqaqtautiqaqtut atuqlugu 3D Gradiometer iliuraqhimayuq smartphone-mut Bluetooth uyaraktaakhanik, kangiqhinahuaqlugillu uyaraktaakhat itiniqaqtunik 5 meters-nik. Ikuutaliqlutik uyaqqanik 60 miitanik uyararhiurvingmit. Tamna kaimalluriktuq havaktauniaqtuq algaklutik 1 metre-mik nunamik ikuutarvikhanik iqqakuq imarmik. Iqqakuq imaq piyauyuq papiutikkut, imaqarvikmit immiqtauplunilu imarmik kuviraqtauyuq kaimalluriktumut qaliqhugu nunamut. Inuit anait kuvipkaqtauniaqtut ingumanirmun. Imaq tupiqaqvikmun piyauniaqtuq hamanga Quartzite Tahianin algakkut atuqlugu imaqarvik. Kaasiliiq attauhiqmun qataqyukmun iluaniituqaqtuq 205 L iliugaqtauniaqtuq hapkununga atugahanun: 417642 Kivataani/6916701 Tununganirmi (Kiklikhaa 15 UTM), ungahiktilaanga avatqumayumik 31 metresmik.

Personnel

Personnel on site: 2

Days on site: 7

Total Person days: 14

Operations Phase: from 2026-07-28 to 2026-08-03

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Location is within IOL Parcel WC-08. A mineral exploration agreement between myself and NTI is in good standing and for this project.	Mineral Exploration	Inuit Owned Sub-Surface Lands	Mineral Exploration over the years	none	Whale Cove
Location of Camp & Fuel	Camp	Inuit Owned Sub-Surface Lands	Unknown	Unknown	Whale Cove. Fuel to be stored 31 M past high water mark
Drilling Location within Claim Area	Drilling	Inuit Owned Sub-Surface Lands	Unknown	Unknown	Whale Cove
2nd Location of Drilling within claim area	Drilling	Inuit Owned Sub-Surface Lands	Unknown	Unknown	Whale Cove

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Whale Cove	John William Tugak	Inuit Mining & Exploration	2026-04-30

Authorizations

Indicate the areas in which the project is located:

Transboundary
Kivalliq

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Kivalliq Inuit Association	Land Use License KVL125B01	Active	2025-02-27	2026-02-27

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Float Plane	
Land	By foot within claim area	

Project accomodation types

Temporary Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Shaw Drill	1	2ftx4ftx2ft	Shallow Diamond Drilling
Generator 2000 Watt	1	2ftx1ftx2ft	To light tent, charge devices and use star link
Float Plan	1	25ftx25ft	To/From travel
Plastic Gas Drum	1	205L	Gasoline Fuel Storage
Gradiometer 3D	1	Handheld	Magnetics
Sump Pump	1	0.5ftx0.25ftx0.25ft	Drain Waste Water
Reactor Battery Booster	1	Handheld Size	Power Sump Pump
Canvas Tent	1	9x7x5ft	Camping/Sleeper

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	1	205	205	Liters	Use gasoline on the drill and small 2000 watt generator
Waste Water	hazardous	4	20	80	Liters	After drilling contain waste water

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
1	Manual retrieval for camp & diamond drill	Quartzite Lake

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Drilling	Hazardous waste	less then 1 cubic meter water per day	Create depression and move waste water to cover with earth	Pull water with sump pump inside drill hole
Waste disposal	Sewage (human waste)	5 gallons	Create depression, pour and cover with earth	None

Environmental Impacts:

no environment impact as waste water properly moved to depression and cover with earth afterwards manually with shovel. Spill Plan in place during the exploration phase.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

Gold Mineral Exploration

SECTION B2: Exploration Activity

Magnetics using gradiometer to depth of 5 meter then diamond drilling

SECTION B3: Geosciences

Gradiometer 3D bluetooth to cell and collect gravity/magnetic data

SECTION B4: Drilling

Up to 60 meters of drilling is allocated within claim area

SECTION B5: Stripping

none

SECTION B6: Underground Activity

none

SECTION B7: Waste Rock

none

SECTION B8: Stockpiles

none

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

Bedrock within claim area, moss ground with some lakes

Description of Existing Environment: Biological Environment

none

Description of Existing Environment: Socio-economic Environment

none

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

create depression and move waste water to into it and cover with earth

Cumulative Effects

none

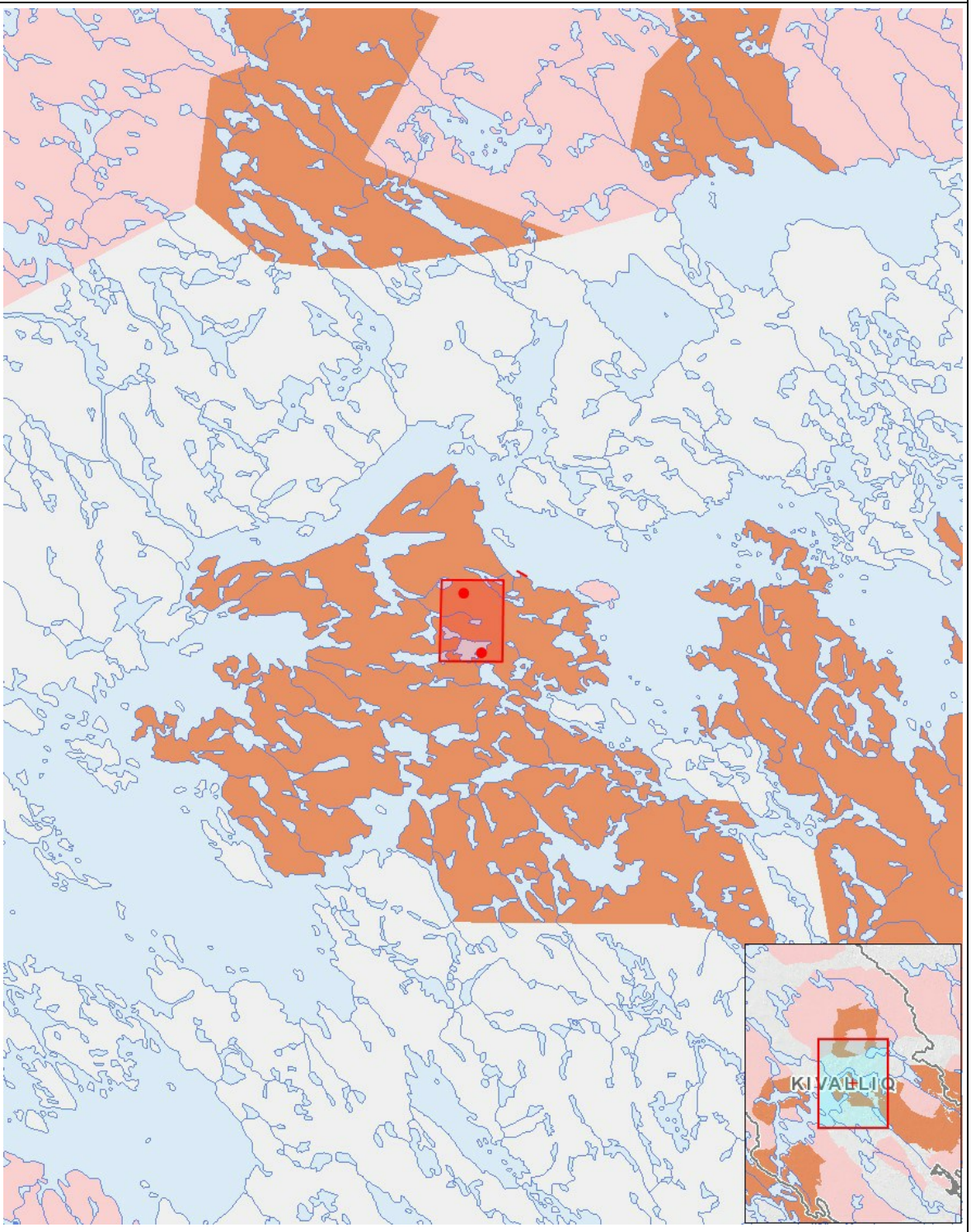
Impacts

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																									
Camp		M	M	U	-	M	U	M	M	M	U	U	U		M	M	M	U	M		M	P	M	U	M
Mineral Exploration		M	M	M	-	M	M	U	M	M	U	M	M		M	M	M	M	M		M	P	U	M	M
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Project Location



List of Project Geometries

1	polygon	Location is within IOL Parcel WC-08. A mineral exploration agreement between myself and NTI is in good standing and for this project.
2	polygon	Location of Camp & Fuel
3	point	Drilling Location within Claim Area
4	point	2nd Location of Drilling within claim area