





## Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
Winter road route	Access Road	Crown	See attached Regulatory History	Route in Nunavut is almost entirely on lakes therefore limited potential to interact with archaeological sites	300 km southwest of Kugluktuk
Winter road route	Camp	Crown	See attached Regulatory History	Route in Nunavut is almost entirely on lakes therefore limited potential to interact with archaeological sites	300 km southwest of Kugluktuk

### Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Kugluktuk	See attached Engagement Summary	HTO, KIA, Landusers	2018-11-13

## Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Transboundary  
Kitikmeot

### Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Autre	Land Use permit from the MVLWB	Applied, Decision Pending		
Aboriginal and Northern Affairs Canada	Land Use permit	Applied, Decision Pending		
Office des eaux du Nunavut	Approval without a licence	Not Yet Applied		
Pêches et Océans Canada	Letter of Advice 18-HCAA-01591	Active	2019-01-09	

### Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Air	Construction crews may be mobilized to the Lupin Mine by air.	
Land	Crews will access the road via the existing Tibbitt to Contwoyto Winter Road, from Yellowknife to the Ekati turnoff.	

### Project accomodation types

Temporary Camp  
Autre,

## Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
Loader	2	various	Snow clearing
Ice profiler	2	tbd	Determine ice thickness
Pumps	8	various	winter road construction
Dozer	2	D6	Portage construction
Haglund	1	various	Snow compaction
Water truck	2	various	Road construction
snow cat	2	various	snow clearing
temporary, mobile camp on sled	1	tbd	Emergency shelter for construction crew
grader	3	various	snow clearing
pickup	8	various	snow removal, crew, supplies and fuel (in a tidy tank) transport
side by side	1	tbd	crew transport
Super B	40	tbd	Fuel and lubricant transport
end dump truck	10	tbd	transport parts and tires
drill rig	1	tbd	transport for use at Lupin
B train	2	tbd	transport supplies
flat deck	4	tbd	transport supplies
snowmobile	6	tbd	Transport people and supplies, routing.

### Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
Gasoline	fuel	10	50	500	Liters	Pump fuel
Diesel	fuel	6	4560	27360	Liters	Fuel for trucks and equipment-tidy tanks
Propane	fuel	5	100	500	Lbs	Fuel for emerg shelter
Diesel	fuel	5	210	1050	Liters	Fuel for emergency shelter
Diesel	fuel	38	40000	1520000	Liters	Transport for use at Lupin
Lubricants	hazardous	5	5	25	Liters	vehicle operation and maintenance
ANFO	hazardous	1	10400	10400	Kg	Transport for use at Lupin. Bags or sticks, to be confirmed
Lime	hazardous	1300	70	91000	Lbs	Transport for use at Lupin

Lubricants	hazardous	2	40000	80000	Liters	Transport for use at Lupin
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**Consommation d'eau**

<b>Quantité quotidienne (m3)</b>	<b>Méthodes de récupération de l'eau proposées</b>	<b>Emplacement de récupération de l'eau proposé</b>
49	Pump fitted with a screened intake	Adjacent lakes

# Déchets

## Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Camp	Déchets combustibles	Minimal	Backhaul	Disposal at Lupin Mine's existing approved facilities
Camp	Eaux grises	Minimal	Backhaul	Disposal at Lupin Mine's existing approved facilities
Access Road	Déchet dangereux	Unknown	Backhaul to suitable facility offsite	Recycle or disposal
Camp	Déchet dangereux	unknown	Backhaul to suitable facility off site	Recycle or disposal
Camp	Déchets non combustibles	Minimal	Backhaul to offsite waste receiver	Recycle
Camp	Eaux usées (matières de vidange)	Minimal	Backhaul	Disposal at Lupin Mine's existing approved facilities

### Répercussions environnementales :

See the attached effects assessment, Environment and Heritage Resources Protection Plan, the Wildlife Protection Plan, the Abandonment and Restoration Plan and the Spill Contingency Plan.

# **Additional Information**

## **SECTION A1: Project Info**

The proposed road route is existing and has been used to supply the Lupin Mine in the past. There is 1 portage identified in Nunavut, occurring in the same location as for past road construction, at the south end of Contwoyto Lake near the NWT border. The road route largely occurs on Contwoyto Lake. Exact routing along the lake will occur based on existing conditions experienced at the time of construction. The road will generally be single lane up to 50 wide, with low sloped snow banks to manage snow drifting and to support wildlife crossing. At the portage, a combination of snow fill and ice may be used to construct the road surface, depending on conditions observed at the time of construction. Road maintenance will occur as needed and may include grading, flooding, and snow removal. The road is private, and only project related traffic is planned. Project related traffic during operations is identified in the Equipment Use tab of this application, and cargo is listed under the Materials Use tab. It is expected that approximately 40 super b trains of fuel will go north full and south empty as well as 5 pick up trucks, 10 rock trucks/end dumps and approximately 5 flat beds of supplies. Similar traffic use is expected in the second year. Trucks typically travel along the road in convoys of 3 vehicles. The road route is located entirely within the Nunavut Settlement Area. Other regulatory requirements are as listed within this Application.

## **SECTION A2: Allweather Road**

## **SECTION A3: Winter Road**

Surface preparation includes snow clearing, and if needed, flooding to increase ice thickness. Snow berms may be constructed and compaction may be employed at the portage and other areas where needed, depending on the conditions encountered on site at the time of construction. As the majority of the road route in Nunavut traverses Contwoyto Lake, Contwoyto Lake will be the water source for any flooding that may need to occur. Traffic speeds will occur in accordance with those in place for the Tibbitt to Conwoyto Winter Road, as follows for haul trucks: -Driving on Lakes: 25 km/hr loaded, 35 km/hr empty; -Driving on Portages: 30 km/hr loaded and empty; -Traveling through flood zones: 10 km/hr; -Traveling on and off lakes: 10 km/hr loaded, 25km/hr empty; Pickup trucks may travel up to 80 km/hr. There will be a 24 hr security patrol on the road in a pick up truck at all times to monitor road safety, conditions and wildlife. Contwoyto Lake is a fish bearing water course.

## **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 de l'environnement existant : Environnement physique**

Refer to the Environment and Heritage Resources Protection Plan, attached.

**Description de l'environnement existant : Environnement biologique**

Refer to the Environment and Heritage Resources Protection Plan and the Wildlife Protection Plan, attached.

**Description de l'environnement existant : Environnement socio-économique**

Refer to the Environment and Heritage Resources Protection Plan and the Community Engagement Plan, attached.

**Miscellaneous Project Information**

The following additional documents are attached: Abandonment and Restoration Plan; Spill Contingency Plan; Waste Management Plan.

## **Identification des répercussions et mesures d'atténuation proposées**

See the attached effects assessment, Environment and Heritage Resources Protection Plan and the Wildlife Protection Plan.

## **Répercussions cumulatives**

It is expected that there will be a positive cumulative effect arising from the project as works are in support of ongoing reclamation efforts at the Lupin Mine and progressive reclamation is considered to be beneficial to the physical and biological environment as well as to land users.

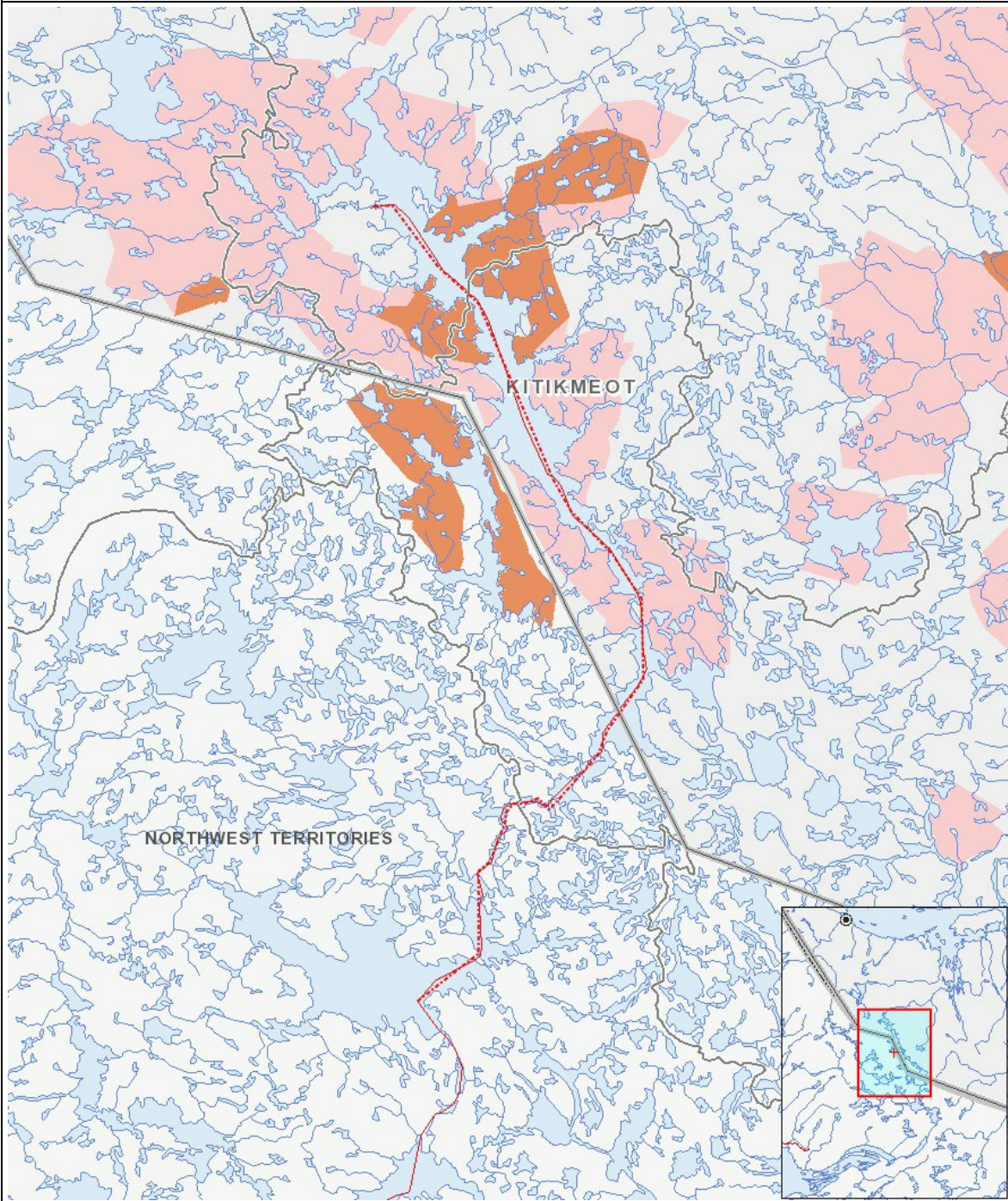
# Impacts

## Identification des répercussions environnementales

	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>																									
Camp	-	-	-	-	N	-	-	-	-	-	-	N	N	-	N	-	-	-	-	-	-	-	-	-	-
Access Road	-	N	-	-	N	-	-	-	-	-	-	N	N	N	N	N	N	-	-	N	-	-	-	-	-
<b>Exploitation</b>																									
Access Road	-	N	-	-	N	-	-	-	-	-	-	N	N	N	N	N	N	-	-	P	-	-	-	-	-
<b>Désaffectation</b>																									
Access Road	-	N	-	-	N	-	-	-	-	-	-	N	N	N	N	N	N	-	-	P	-	-	-	-	-

(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

Site du projet



Liste des géométries de projet

1	polyline	Winter road route
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