

**NOTICE OF REGISTRATION FOR DETAILED REVIEW UNDER NUNATSIAVUT  
ENVIRONMENTAL PROTECTION ACT**

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**Initiative:** Strange Lake Rare Earth Mining Project

**Location:**

Mine Site: The Strange Lake mine would be entirely located in the Province of Quebec, 156 km west of the community of Nain. The proposed mine site will be located near the border between the provinces of Quebec and Newfoundland and Labrador and will border Labrador Inuit Land 4B-27. The geographical coordinates (decimal degrees, NAD83) of the centroid of the mine pit are:

- Latitude: 56.323 N; Longitude: - 64.166 W.

Seasonal Access Road: The proposed seasonal road would run from the mine site to the Vale Port in Edward's Cove, Anaktalak Bay (Voisey's Bay Area - VBA), on the eastern coast of Labrador. The total alignment of the road corridor will be of approximately 162 km long. Approximately 18 km of the road corridor will be located within the Province of Quebec, and approximately 144 km will be located within the limits of the Labrador Inuit Settlement Area (LISA) and within the Province of Newfoundland and Labrador. The proposed seasonal road will also cross Labrador Inuit Land 4B-28, which lies west of Voisey's Bay and Anaktalak Bay. Geographical coordinates (decimal degrees, NAD83) of road ends are:

- Western end (Mine Site): Latitude: 56.332 N; Longitude: - 64.125 W
- Eastern end: Latitude (Container storage and handling facilities at Vale's Port): 56.353 N; Longitude: - 62.095 W

Container storage and handling facilities at Vale's Port: The new container storage and handling facilities would be built in Edward's Cove (Anaktalak Bay), near the existing Vale's Port, in Labrador, and within the Voisey's Bay Area (VBA). The exact location is still to be determined in collaboration with Vale.

Rare earth processing and high purity separation plant ("Process Plant"): The new process plant would be built in the "Parc industriel ouest – Jonction Arnaud" of the Sept-Îles industrial port facility, on the north shore of the St-Lawrence River in the province of Quebec. Geographical coordinates (decimal degrees, NAD83) of the centroid of the process plant site are:

- Latitude: 50.292 N; Longitude: - 66.385 W

**Nearby communities:**

The two nearest communities are:

- Nain, 26 km to the northeast of the Container storage and handling facilities at Vale's Port, and 156 km to the east of the Mine site.
- Natuashish, 81 km to the southeast of the Container storage and handling facilities at Vale's Port, and 194 km to the southeast of the Mine site.

**Nature, scope, phases, duration, and principal features of the initiative:**

The initiative will include the following elements:

- Construction, operation, closure and restoration of a new mining complex, including:
  - o Open-pit mining of a rare earth elements deposit.
  - o Beneficiation plant.
  - o Related infrastructure: waste rock and overburden stockpiles, low and medium-grade ore stockpiles, beneficiation residues stockpile, effluent treatment facilities, permanent camp, office and warehouse buildings).
  - o Aerodrome with a runway length of 1 500 m.
- Construction and operation of a new seasonal access road, extending between the mining site and the existing Vale's Port (Voisey's Bay Area), to facilitate the transportation of ore concentrate, packed in super-bags and maritime containers, by trucks to the ships.
- Construction and operation of a new container storage and handling facilities at the existing Vale's Port (Voisey's Bay Area).
- Transportation by ships of the ore concentrate, from Vale's Port to a process plant which will be located in a pre-existing industrial port area in Sept-Îles.
- Construction and operation of a new High purity rare earth processing and separation plant, in the "Parc industriel ouest – Jonction Arnaud" of the Sept-Îles industrial port facility.

The construction phase will first consist of the establishment of container storage and handling facilities at the existing Vale's Port and of the access road. Construction work at the mine site will begin with the completion of the last portion of the access road located in Quebec and the development of an airstrip. Excavation at the mine site will follow the road construction and will begin with the development of the water treatment plant, the maintenance facility area and the fuel storage area as well as the construction of the various access roads to the site. Temporary worker camps might be established outside the mine site during construction, in particular during construction of the road.

The construction phase is expected to begin in 2026 or 2027. The operational phase is expected to begin late 2027. This timeline is subject to change.

A 30 years of operation is currently being considered.

**Principal predicted environmental effects:**

Potential environmental impacts due to construction, operation and decommissioning activities includes impact on air quality, greenhouse gases emissions, noise level, soil, water and sediment regime and quality, vegetation and wetlands, aquatic and terrestrial fauna and their habitat including species at risk and species of importance to communities (Arctic Char, Caribou, etc.), migratory and non-migratory birds, quality of life and human health, socio-economic aspects, archeological resources and use of the land and resources. Given the scope of the project and its activities, potential impacts will vary significantly depending on specific locations and time periods.

**Obtaining a copy of the environmental registration:**

Electronic copies of the environmental registration may be obtained by emailing [environmentalreviews@nunatsiavut.com](mailto:environmentalreviews@nunatsiavut.com)

**Comments:**

All comments regarding the initiative should be directed to the Nunatsiavut Government at 25 Ikajuktauvik Road, PO Box 70, Nain, NL, Canada, A0P 1L0 or by email at [environmentalreviews@nunatsiavut.com](mailto:environmentalreviews@nunatsiavut.com) within 60 days of the publication of this notice.

Interested parties should consult the Nunatsiavut Government webpage ([www.nunatsiavut.com](http://www.nunatsiavut.com)) for more information regarding the environmental review and registration process.



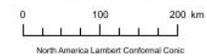
**Composante du projet / Project component**

- Aire d'entreposage et de manutention des conteneurs au Port de VALE / Container storage and handling facilities at Vale's Port
- Site de la mine / Mine site
- Site potentiel de l'usine de séparation des métaux de terres rares de haute pureté / Potential Site of the rare earth processing and high purity separation plant

- Route d'accès saisonnière proposée / Proposed seasonal access road
- Route maritime projetée / Potential Shipping Route

**Autre / Other**

- Frontière provinciale / Province Boundary



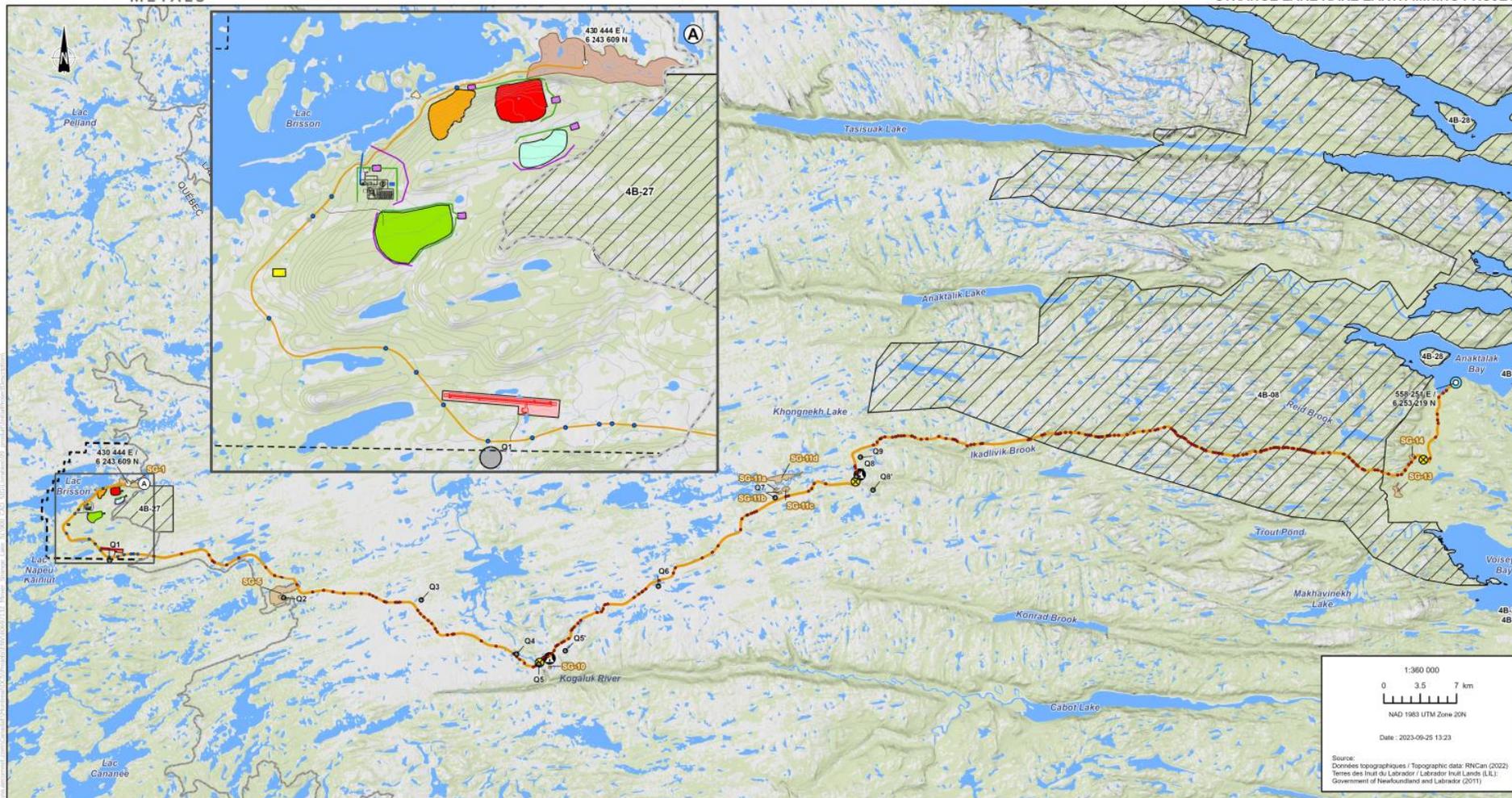
Produit: Map 9-1 - Overall project map  
Date: 2023-08-23 08:52

Source:  
Données topographiques / Topographic Data: NRCAN, (2022)

**PRÉLIMINAIRE / PRELIMINARY**

**Carte 9-1**  
Carte globale du projet  
**Map 9-1**  
Overall project map

**AECOM**



**Composante du site de la mine / Mine site component**

- |   |  |   |   |
|---|--|---|---|
| Limite de propriété / Property limit  | Piste potentielle / Potential airstrip                                   | Bassin proposé / Proposed Pond                          | Site d'enfouissement / Landfill Site                                      |
| Chemin d'accès des composantes de la mine / Mine site component access road | Aire d'accumulation des résidus miniers / Mine Residue Stockpile Area    | Camp d'exploration existant / Existing Exploration Camp | Usine de traitement des effluents / Effluent treatment plant              |
| Fossé d'eau de contact / Contact water ditch                                | B-Zone minéralisée (30 ans) / B-Zone Mineral Deposit (30 years)          | Halde de stérile / Waste Rock Stockpile Area            | Camp et aire de traitement principaux / Main Camp and Ore Processing Area |
| Fossé d'eau sans contact / Non contact water ditch                          | Banc d'emprunt (sablère et gravière) / Borrow Pits (Sand and gravel pit) | Minéral à basse teneur / Lower Grade Ore                | Piste d'atterrissage / Air strip  |
| Prise d'eau / Water intake piping   |  |   |   |

**Route d'accès / Access road**

- Route d'accès saisonnière proposée / Proposed seasonal access road
- Camp mobile / Mobile camp
- Banc d'emprunt / Borrow pit (SG-xx)
- Carrière / Quarry (Qx)
- Aire d'entreposage et de manutention des conteneurs au Port de VALE / Container storage and handling facilities at Vale's Port
- Traversée / Crossing (Labrador)
- Traversée / Crossing (Québec)
- Traversée majeure (Pont) / Major crossing (Bridge)

**Autre / Other**

- Frontière Québec et Labrador / Québec and Labrador border
- Terres des Inuit du Labrador / Labrador Inuit Lands (LIL)

**Carte 9-2**  
Composantes du projet au Nord

**Map 9-2**  
Project components in the North

PRÉLIMINAIRE / PRELIMINARY

**AECOM**