



# INVEST NORTH OF 60

CANADA'S NORTHERN RESOURCE OPPORTUNITY



INVESTNORTHOF60.CA

## NORTHWEST TERRITORIES

## RARE EARTH ELEMENTS / NIOBIUM



### VITAL METALS LIMITED

## Nechalacho Tardiff

### NEED TO KNOW

- ▶ Vital Metals, through its wholly owned Canadian Nechalacho Resources Corporation based in Yellowknife, is developing and exploring the Nechalacho Rare Earth and Niobium Project, which comprises the Tardiff, North T, South T, and R and S Zones.
- ▶ The Tardiff Scoping Study demonstrates robust economics with an initial Mineral Resource Estimate (MRE) of 192.7 Mt at 1.3% TREO and 0.3% Niobium, for an 11-year project that mines only 15% of the Tardiff Mineral Resource Estimate to produce a light rare earth (LREO) concentrate.
- ▶ Upside potential: The North T high-grade bastnaesite starter pit from which demonstration material was mined in 2021-22 was not included in MRE or Scoping Study, nor were South T, and R and S Zones or new leases staked in late 2024.
- ▶ Vital is now progressing to a Pre-Feasibility Study for the Tardiff deposit, which is on target for completion in 2026; plus further exploration on North T and South T areas.

### PROJECT INFORMATION

Project: Nechalacho Tardiff  
Ownership: Vital Metals Limited  
Location: Northwest Territories,  
Canada  
Latitude: 62.1009° N  
Longitude: 112.5832° W  
Size: Mining leases and mineral  
claims ~ 5,994 hectares.  
Stage: Prefeasibility, Scoping  
Resource: Measured & Indicated  
Resource of 192.7 million  
tonnes at 1.3% TREO  
Listings: ASX: VML

### CONTACT INFORMATION

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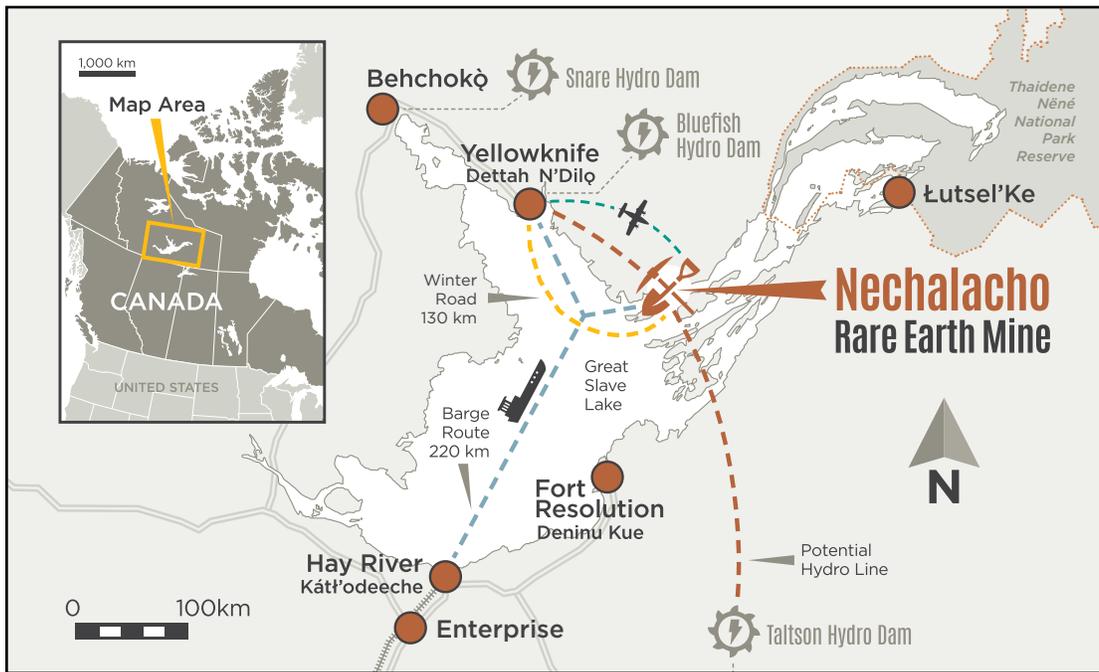
Website: [vitalmetals.com](http://vitalmetals.com)

### HIGHLIGHTS

Nechalacho has received over \$120 million in drilling, permitting, and development, confirming significant deposits of rare earths, niobium, and zircon. Its Tardiff deposit ranks among the world's highest-grade rare earth resources, with 25% neodymium and praseodymium—critical for EVs, wind turbines, smart devices, and defense applications. Tardiff is a shallow, near-surface body (about 100 metres), offering scalability and long-life potential.

A Scoping Study outlines open-pit production of 14,000 tonnes per day (3 million annually) with a low 0.3:1 strip ratio, US\$291 million in capital costs, and US\$24 per tonne operating costs. Located near Indigenous communities and Yellowknife, the project benefits from skilled partnerships, job creation opportunities, and access to marine, highway, and rail transport. Nechalacho also supports Canada's emerging rare earth supply chain through the Canadian Rare Earth Consortium, co-founded by Vital.

To potentially improve the project's economics, the Study also recommends advancing to a prefeasibility Study (PFS) with additional extensive metallurgical testing to optimize TREO and niobium recoveries, prove the payability of niobium, and test the recovery of zircon.



## ESG HIGHLIGHTS

Vital Metals is proactive in their approach to the environment, social, and governance (ESG). They are actively preparing to engage in the following activities, including but not limited to:

- Baseline Studies building on the 2008/2009 baseline study, towards environmental effects assessment.
- Updated surface and groundwater quality monitoring.
- Fisheries and aquatics work to support any lake/pond dewatering and potentially additional study if fish-offset plan(s) are required by Department of Fisheries and Oceans.
- Additional hydrology data to support water management or construction interactions with water bodies/watercourses.
- Archaeological field testing of new areas of proposed disturbance.

Local and Indigenous communities are actively engaged by Vital Metals and will continue to be engaged regarding engineered solutions, options and potential environmental impacts, social and economic benefits.

## TRACK RECORD

Vital Metals Limited (ASX: VML) is developing the large Nechalacho Rare Earth Project in Canada's Northwest Territories. Nechalacho has the potential to underpin a significant rare earths supply chain for North America with responsibly sourced critical minerals for the green economy transformation.



## PERMITS / COMPLIANCE

- ▶ All required exploration and development permits are in place.

## TEAM EXPERTISE

The Company has an experienced board and management team. See: <https://vitalmetals.com/board/> and <https://vitalmetals.com/management/>