



INVEST NORTH OF 60

CANADA'S NORTHERN RESOURCE OPPORTUNITY



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NORTHWEST TERRITORIES

RARE EARTHS / NIOBIUM / ZIRCON



PROJECT INFORMATION

Project: Nechalacho Lower
Ownership: Avalon Advanced Materials Inc.
Location: Northwest Territories, Canada
Latitude: 62.1009° N
Longitude: 112.5832° W
Size: Mining leases ~ 5,786 hectares (14,297 acres)
Stage: Defined Feasibility Study 2013 (outdated)
Resource: Identified in outdated 2013 report
Listings: TSX: AVL | OTCQB: AVLNF | FRA: OU5A

CONTACT INFORMATION

Avalon Advanced Materials Inc.

130 Adelaide St. W, Suite 2060
Toronto, ON M5H 3P5

Telephone: (416) 364-4938

Email: ir@avalonAM.com

Website:

avalonadvancedmaterials.com

AVALON ADVANCED MATERIALS INC.

Nechalacho Lower

NEED TO KNOW

- ▶ The Nechalacho project has split ownership based on depth, with Vital Metals owning the near-surface resources above 150 meters above sea level, while Avalon Advanced Materials retains ownership of the resources below that depth. Avalon has the 100% interest in the deeper resources, including the Basal Zone deposit.
- ▶ The NI 43-101 Technical Report prepared in 2013 by Micon International, and compiling SNC-Lavalin's Definitive Feasibility Study (DFS), demonstrated the project was technically feasible and economically robust.
- ▶ Avalon is targeting a refresh of 2013 DFS to update and revalidate key economic and process assumptions. The PEA is expected to be completed in fall 2026.
- ▶ In April 2026, Avalon Advanced Materials Inc. was added to the holdings of the newly launched Sprott Rare Earths Ex-China ETF consortium, gaining exposure to a curated basket of global rare earths supply chain companies operating outside China under the Nasdaq Sprott Rare Earths Ex-China Index methodology.

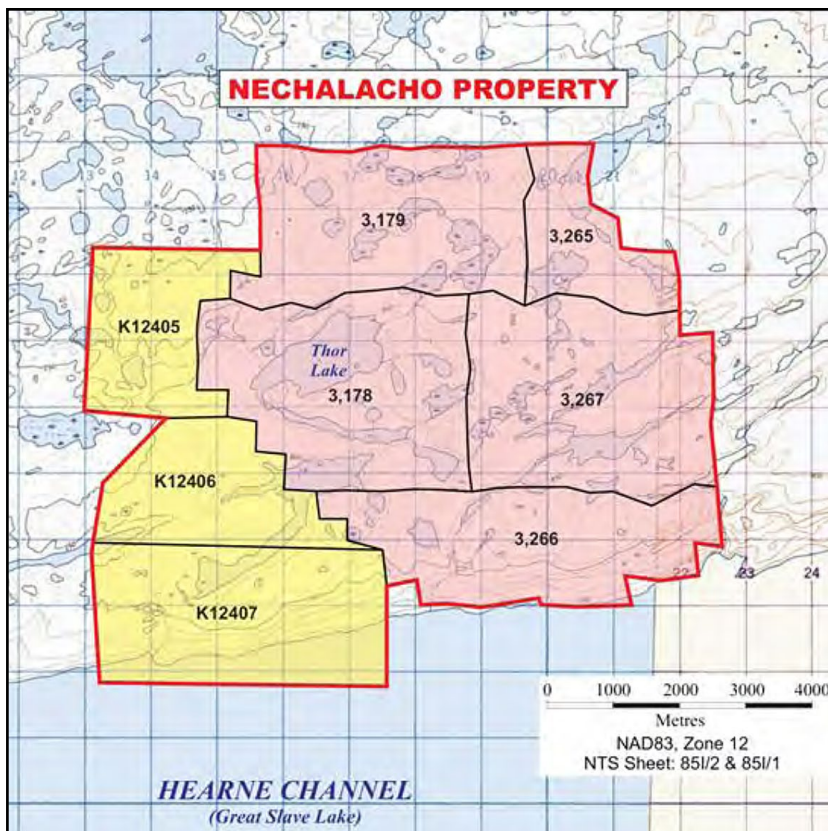
HIGHLIGHTS

Avalon aims to deliver a secure North American supply of zirconium and rare-earth minerals essential to advanced technologies and energy security. The Nechalacho deposit is among North America's largest high-grade rare-earth resources, with strategic importance for clean energy, defence, and technology supply chains.

Technical Overview (NI 43-101, Micon International, 2013):

- Measured Resource: 10.86 Mt @ 1.67% TREO, 0.38% HREO (22.5% HREO/TREO)
- Indicated Resource: 110.4 Mt @ 1.49% TREO, 0.24% HREO
- Proven Reserve: 3.68 Mt @ 1.71% TREO, 0.47% HREO (27.3% HREO/TREO)
- Probable Reserve: 10.93 Mt @ 1.69% TREO, 0.45% HREO (26.6% HREO/TREO)

Located near established Indigenous communities and key transportation routes, Nechalacho supports regional infrastructure and employment. Over \$120 million has been invested in drilling, permitting, and development, defining multiple deposits rich in rare earths, niobium, and zircon.



TRACK RECORD

Avalon Advanced Materials Inc. is a Canadian critical minerals company strategically advancing a portfolio of projects that support secure, domestic supply chains for clean energy, advanced manufacturing, and technology sectors. Avalon retains 100% ownership of resources below 150 m. The company also has early-stage lithium exploration projects, and a proposed lithium processing facility in Ontario.

ESG HIGHLIGHTS

OUR SUSTAINABILITY COMMITMENT: Sustainability is an integral part of our business. We believe that responsible resource management is key to a sustainable future, and we strive to lead by example. We are committed to minimizing our environmental footprint, promoting social responsibility, and ensuring economic opportunities for all. Our sustainability goals include reducing greenhouse gas emissions, conserving water, protecting biodiversity, and supporting local communities. We are constantly exploring new technologies and methods to further improve our operations and make a positive impact.

LAND ACKNOWLEDGEMENT: Avalon Advanced Materials Inc. acknowledges that our work takes place within the ancestral and traditional territories of First Nations, and Métis people. We respect Indigenous rights and are committed to deepening our existing relationships while forging new lasting ties which will ensure that future generations benefit from the positive social and economic opportunities related to our operations.

SUSTAINABILITY PRACTICES: Our corporate strategy focuses on continuous improvement and environmental performance by reducing harmful emissions to air, water, and land and improving the efficiency by which we utilize natural resources, energy and materials. Our policies aim to prevent the loss of biodiversity and ecosystem function from our operations.

CORPORATE GOVERNANCE documents are available here:
<https://avalonadvancedmaterials.com/corporate-governance/>

GEODATA / REPORTS

[Feasibility Study On The Nechalacho Rare Earth Elements Project, 2013](#)

PERMITS / COMPLIANCE

- Type B Water Licence and two Type A Land Use Permits for demonstration mining and exploration.

TEAM EXPERTISE

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