



Unearthing Canadian Critical Minerals for the Global Net-Zero Economy

Corporate Overview Presentation

June 2025

UNEARTHING CANADIAN CRITICAL MINERALS GLOBAL NET-ZERO ECONOMY

Nova Copper is a privately held Canadian junior mining company, is focused on the responsible development of strategic critical mineral properties in Atlantic Canada, including the flagship Sydney Copper Project in Nova Scotia.

Strategic Location and Infrastructure

Nova Copper's projects in Atlantic Canada benefit from a stable political environment, well-established mining industry, and proximity to essential infrastructure like roads, and deep-sea ports.

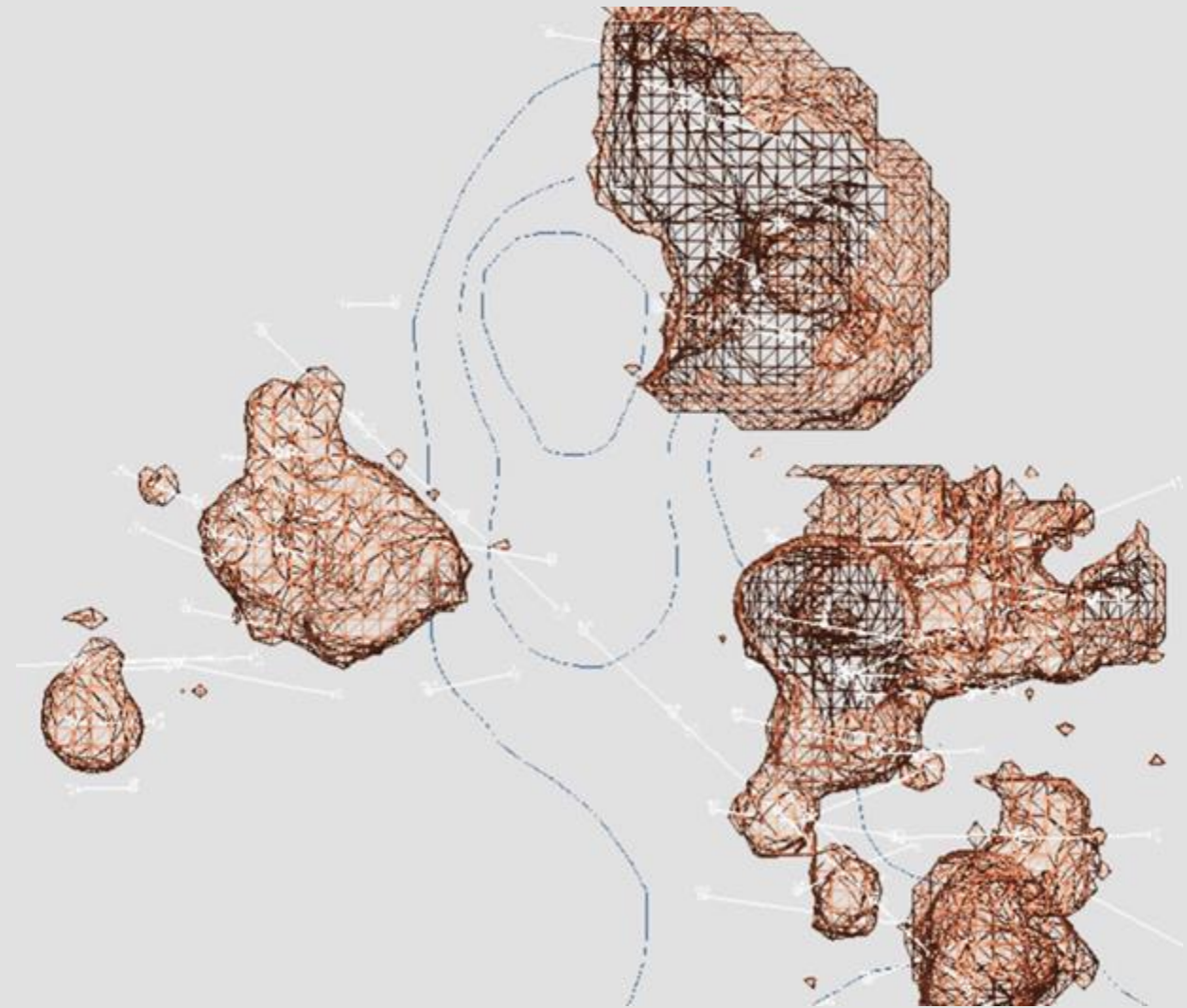
Diverse and Rich Mineral Portfolio

An investment in Nova Copper offers exposure to a diverse range of minerals including copper, gold, molybdenum, rhenium, silver, cobalt, and pyrophyllite. This diversity positions Nova Copper to capitalize on the growing demand for critical minerals essential for green energy and industrial applications.

Responsible Minerals Development

Nova Copper is committed to the responsible development and production of its mineral properties, aligning with the global focus on sustainability and ethical business practices.

By prioritizing environmental stewardship, social responsibility, and governance, Nova Copper aims to be a leader in the North American critical minerals market.



AN EXPERIENCED MANAGEMENT TEAM LEADING THE CHARGE (PG 1)



Harry Cabrita | President, CEO, & Founder

Graduated from Cape Breton University in 1986, Harry is a veteran crude oil and mining executive with over 25 years of experience leading companies and projects across four continents, often in challenging jurisdictions. An innovative and energetic senior leader, he excels in managing operations, creating value, and driving results. He is skilled in building and aligning teams to drive long-term value for both projects and their communities.



Joe Hines | Project Director – Mine Pilot Project

Joe has a B. Eng. (Metallurgy) from Dalhousie University and is experienced in Iron, Molybdenum, Copper, Coal, and Gold processing. He specializes in Operations, Maintenance and site development through project and construction management roles. He worked for the Iron Ore Company of Canada and Thompson Creek Mining filling roles of Metallurgist, Project Manager, Superintendent, and various site Management positions. For 12 years served as Executive VP and COO for East Coast Metal Fabrication. He owns Hines contracting and filled roles as Manager of Operational Readiness for Signal Gold's Goldboro project. He is an active member of the Mining Society of Nova Scotia (former president) and has also been an active member of the CIM and CMP.



Jesse Halle, PGeo | VP Exploration

With over 25 years of exploration experience, Jesse is the co-founder and President of Halle Geological Services Ltd. He holds B.Sc degrees in Environmental Science from the University of Toronto and Geology from Lakehead University. Jesse has worked on numerous base and precious metal deposits in Canada and the US, advancing projects like Western Copper and Gold's Casino Deposit and Copper Mountain Mining's Copper Mountain Deposit.



Emily Halle, PMP | VP Operation

Emily is a Geologist and Managing Director at Halle Geological Services Ltd., with over a decade of experience in exploration and program management, focusing on porphyry copper-gold systems in BC and Yukon, and projects in Africa, Alaska, and Eastern Canada. She has operations management experience in industrial mining and processing. Emily holds a B.Comm and a B.Sc in Geology from Saint Mary's University, is a certified PMP, and a Fellow of the Society of Economic Geologists.

AN EXPERIENCED MANAGEMENT TEAM LEADING THE CHARGE (PG 2)



Rob Batherson | Public Affairs Advisor

Rob's diverse professional experience over the past 25 years includes being an interim chief executive officer in the international education sector, a communications agency co-owner and public relations practice leader and a press secretary/communications director working alongside elected officials and staff in Halifax and Ottawa, including the Premier of Nova Scotia and Conservative Members of Parliament. Through his own public affairs consultancy, Rob provides communications and public affairs counsel and support to senior leaders in a wide range of sectors. Outside of politics and business, Rob is an active community volunteer with extensive board governance experience.



Savanna Cabrita, BSc | Junior Manager, Sustainability

Savanna brings over four years of experience in sustainable mining development. As an environmental scientist, she has built environmental water monitoring programs and worked on sustainable finance and renewable energy projects. She has worked with the Halifax Regional Municipality, the Canadian Federal Government (SDTC), and Net Zero Atlantic. Savanna holds a B.Sc. with distinction in Environmental Science and Business from Dalhousie University and an EIA Certificate.

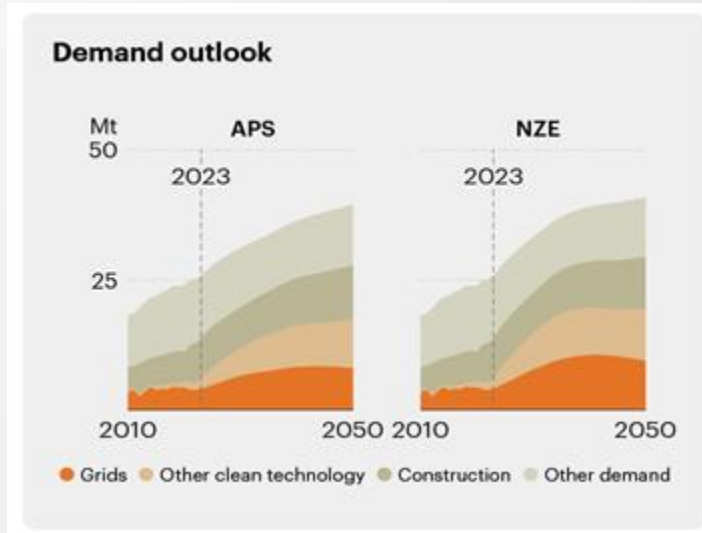


Tony Barresi, PhD, PGeo | Technical Advisor

Dr. Barresi is a geologist with over 15 years of experience in grassroots and brownfield programs, specializing in porphyry, epithermal gold, and volcanogenic massive sulfide deposits. He holds a B.Sc from Saint Mary's University and a Ph.D from Dalhousie University. Dr. Barresi is involved with exploration companies at the executive level, including Director at ArcWest Exploration, past President of QuestEx Gold and Copper, and Technical Advisor at Triumph Gold.

THE TECHNOLOGY REVOLUTION NEEDS COPPER

Due to its unmatched conductivity, longevity, ductility, and corrosion resistance, copper demand is set to soar over the coming decade.



Source: IEA Global Critical Minerals Outlook 2024



Investors are seeking exposure to responsibly-sourced copper and other essential metals needed for batteries, renewable energy technologies, and electric vehicles.

Global demand increase for copper (2023 – 2040)

+40%

Copper demand is projected to grow from 26 million tonnes in 2023 to 40 million tonnes by 2050, driven by its essential role in renewable energy and EV technology

Share in global Cu supply from Chile, DRC, and China by 2024

55%

Investing in Canadian copper companies support resource independence, reducing reliance on imports and ensuring a stable supply for clean energy and technology

Share of copper mines located in high water stress regions

52%

Meeting copper demand requires climate-conscious mining to expand supply sustainably and support global targets

NOVA COPPER ASSET PORTFOLIO

INCLUDES FOUR STRATEGIC DEVELOPMENTS

Nova Copper has split the intact porphyry-epithermal system into four strategic assets based on geochemical signatures and current stages of exploration. All the projects are in a temperate climate, is road accessible, and is proximal to deep-sea ports.

- A SYDNEY COPPER PROJECT | Pre-MRE Stage**
Main porphyry copper-gold-molybdenum deposit and driver for the rest of the system, with robust **drill-ready targets for expansion** and **abundant blue-sky**.

- ✓ Located ~ 25km from regional J.A. Douglas McCurdy Sydney Airport
- ✓ Grid connectivity ensures reliable supply of power for equipment and facilities

- B COXHEATH COPPER PROJECT | Advanced Stage**
Includes Coxheath historical mine. High-grade copper (+/- silver & cobalt co-product) in parallel veins and breccia, fit for near-term small-scale mining.

- C KELTIC GOLD | Early Stage / Grassroots**
Unexplored targets for epithermal gold and related high-sulphidation critical metal mineralization.

- D CAPE INDUSTRIAL | Early - Mid Stage**
Massive high-quality pyrophyllite deposit at surface with potential for near-term industrial quarry/mine



5+ YEARS OF RECENT EXPERT WORK MODERNIZING THE SITE

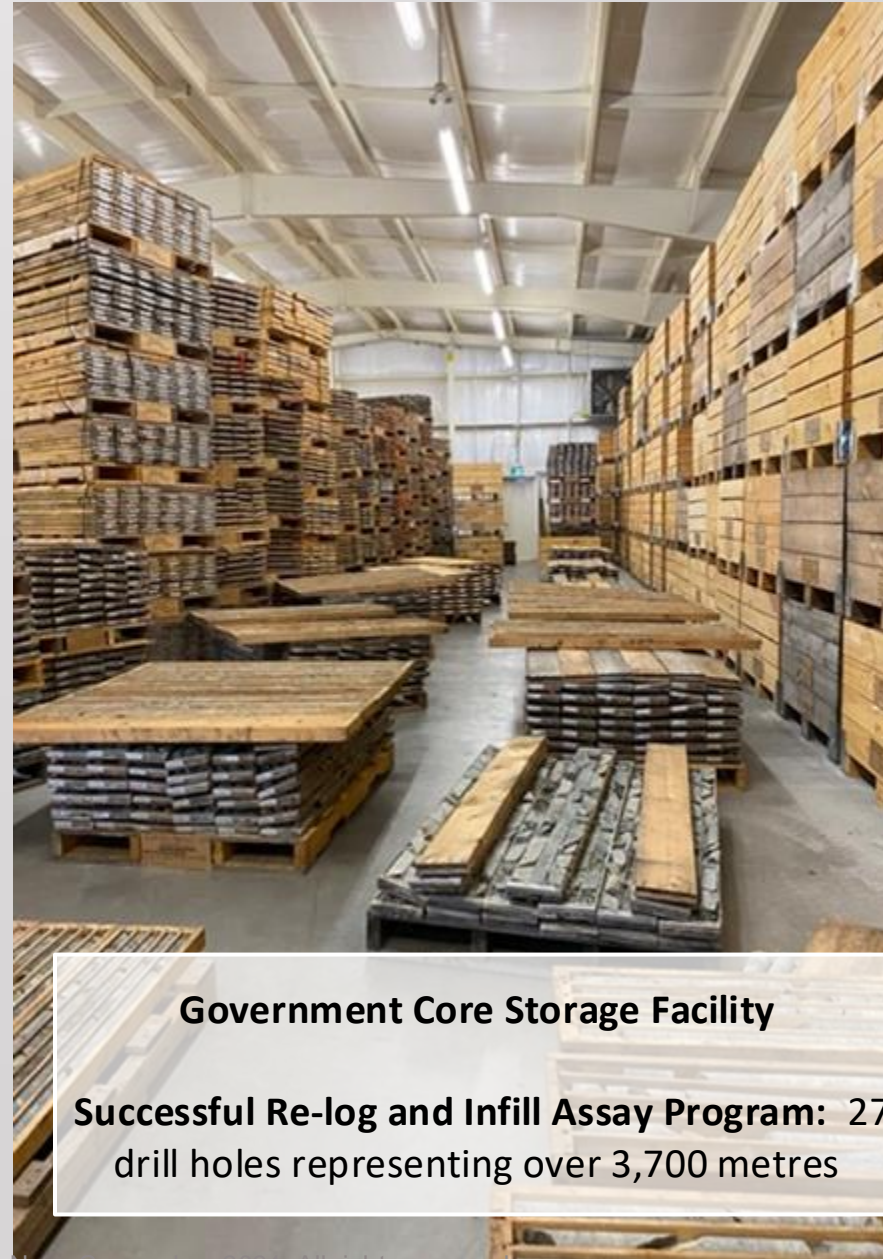
The portfolio is in a temperate climate, is road accessible, and is proximal to deep-sea ports.

Ready-to-go Infrastructure

- ✓ **Government Core Storage Facility: historical log available & re-log program completed**
- ✓ **12-km of drill road infrastructure**
- ✓ **Three-phase hydro power on property**
- ✓ **Baseline water survey in-progress**
- ✓ **Digitization and 3D modelling of historical data**
- ✓ **Proximity to other established mines (Mining friendly community and roads)**

Supportive Stakeholders

- ✓ **Active collaboration with local governments**
- ✓ **Stakeholder agreements and community surveys**



Government Core Storage Facility

Successful Re-log and Infill Assay Program: 27 drill holes representing over 3,700 metres



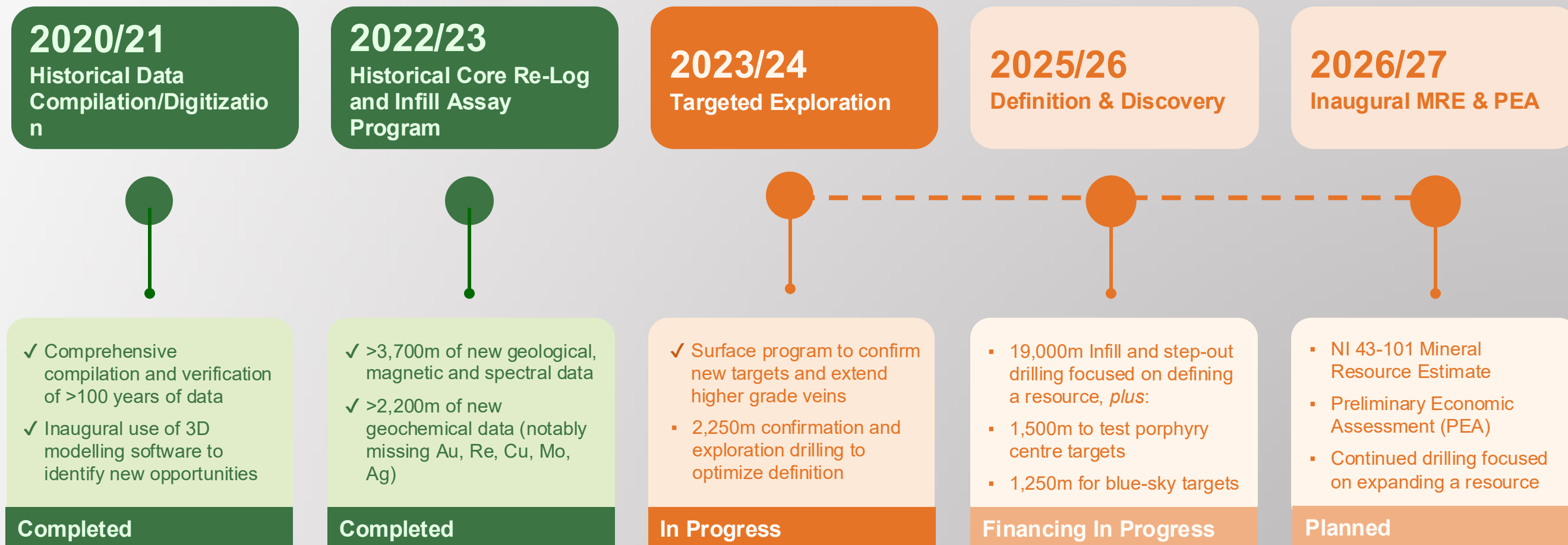
12-km of drill road infrastructure rebuilt, maintained, and ready 2024



Three-phase hydro power lines through the property

DEFINITION TO DISCOVERY: SYDNEY COPPER PROJECT TIMELINE

Mineralized zones of the Sydney Copper Project and Nova Copper's contiguous Coxheath Copper Project lie within the highly prospective Copper Brook fault corridor. Nova Copper's conceptual deposit model highlights multiple exploration targets and phases of untested mineralization over a 3 kilometre strike length.





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(A GEM Website coming soon!)

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