



NATURAL GRAPHITE FOR A GREEN FUTURE

Northern Graphite is more than just a mining company.

It is a technology company planning to upgrade natural graphite from its Bissett Creek Project into advanced products for the green economy, including:

Lithium-ion batteries



Fuel cells



Flow batteries



Grid storage



Graphite: The New Critical Mineral

Graphite is the anode material and the single largest component of lithium-ion (Li-ion) batteries used in electric vehicles (EVs) and energy storage technologies.

As EV adoption grows, so will the demand for graphite.

Raw Material Demand from Li-ion Battery Megafactories



Source: Benchmark Mineral Intelligence via Informed

There are two types of graphite:

Natural

Naturally occurring in mineral deposits

Extracted from the ground in open-pit mines

Relatively small carbon footprint

Inexpensive to produce

Synthetic

Energy-intensive production process

Produced using carbon from petroleum coke and coal tar

Large carbon footprint with harmful SO_x, NO_x, and PM₁₀ emissions

Expensive to make

Source: Mining.com, Asbury Carbons

Annualized demand growth rate

26.5%

Although both types of graphite are used as anode material, the demand for natural graphite is rising at a faster rate.

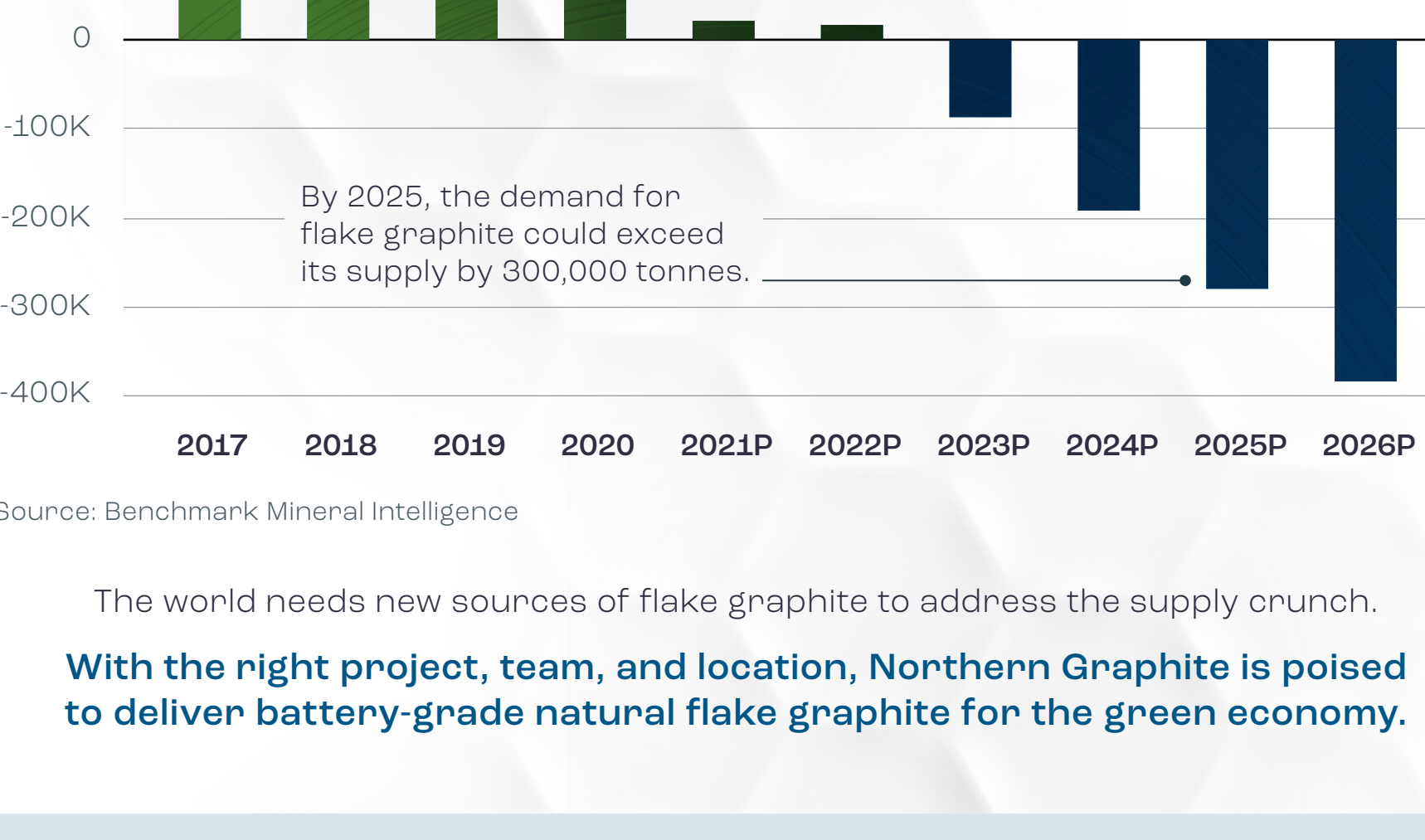
Annualized demand growth rate

20.5%

Source: Benchmark Mineral Intelligence

Natural Flake Graphite Market Balance

Flake graphite is the most geologically common type of natural graphite and the one used to make anode material, but its supply pipeline may not be enough for the future.



Source: Benchmark Mineral Intelligence

By 2025, the demand for flake graphite could exceed its supply by 300,000 tonnes.

The world needs new sources of flake graphite to address the supply crunch.

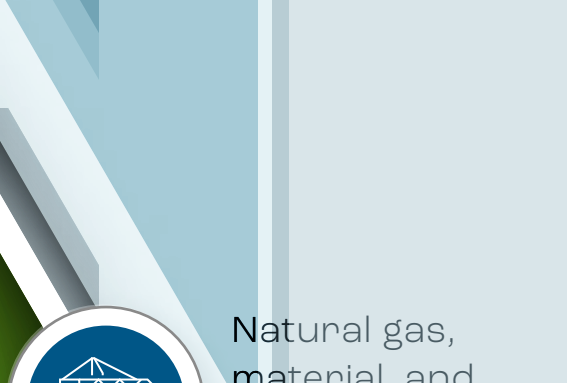
With the right project, team, and location, Northern Graphite is poised to deliver battery-grade natural flake graphite for the green economy.

The Bissett Creek Project

The Resource Ready Advantage

Northern Graphite's 100% owned Bissett Creek Project offers a number of competitive advantages.

- Major mining permit secured
- Feasibility study completed
- Construction ready subject to financing



Eastern Ontario, Canada

1 Location, Location, Location

The Infrastructure Advantage

- Stable and mining-friendly jurisdiction
- 15km from the Trans-Canada highway
- Ready access to major North American markets
- Natural gas, material, and equipment suppliers nearby
- Five hours from port at Montreal
- Skilled mining workforce

2 The Resource

Graphite for Today and Tomorrow

The Bissett Creek deposit has high-quality graphite to meet the needs of the present and the future.

- 20+ year mine life
- 28.3M tonnes probable reserves
- 69.8M tonnes measured and indicated resources

90% of the graphite from Bissett Creek will be categorized as large and extra-large flake, the most valuable forms of flake graphite.



3 Significant Expansion Potential

Production Plan

- Phase I (2022) Open-pit mine and processing plant Producing 25,000 tonnes per year
- Phase II (2025) Expansion 2x production after three years in operation
- Phase III (2029) 2x future expansion

Northern's strategy begins with a smaller project to reduce market and financial risk, with a plan to develop the project's resources by expanding in stages as the market grows.

The Financial Advantage

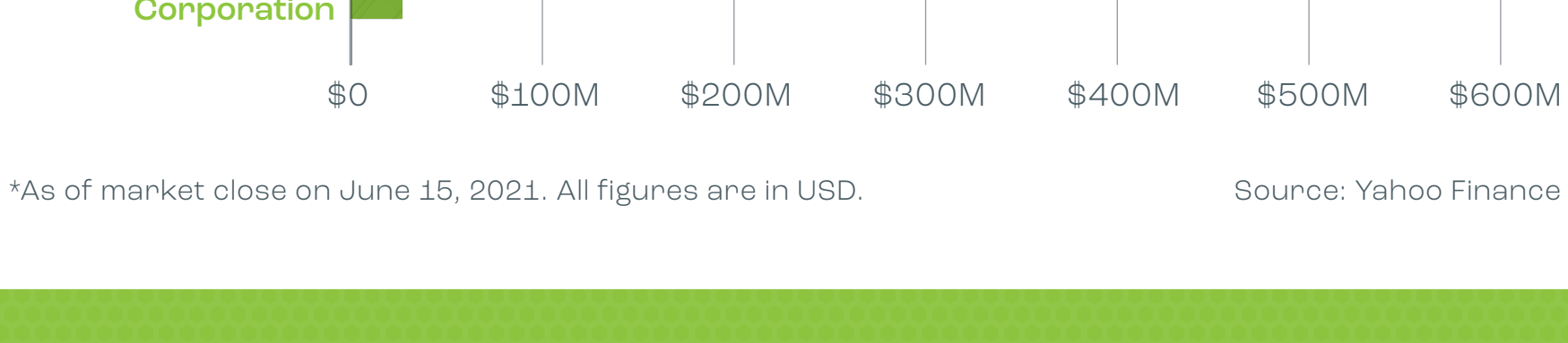
Project Economics

The Bissett Creek Project has strong economics based on its modest capital cost, favorable location, and high production quality.

- After-tax IRR of 25%
- Net Present Value (NPV) of CDN\$198M
- Relatively low capital costs estimated at CDN\$106.6M

Room for Growth

Market Cap of Northern Graphite vs North American Peers*



*As of market close on June 15, 2021. All figures are in USD.

Source: Yahoo Finance

Despite having the highest margin at \$840/tonne, Northern Graphite is undervalued relative to industry peers.

The Experience Advantage

The Northern Graphite team combines global experience with deep knowledge of the mining and exploration sectors.



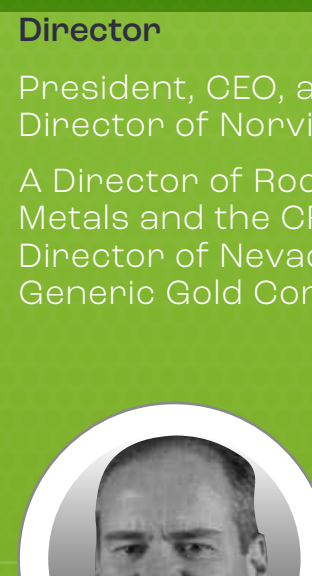
GREGORY B. BOWES
B.Sc. (GEOLOGY), MBA, P.ENG
CEO and Director

Over 30 years of experience in the resource and engineering industries. Former Senior Vice President of Orezone Gold and CEO of San Antonio Resource Corporation.



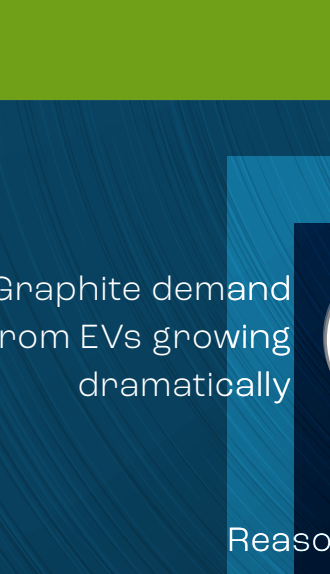
W. CAMPBELL BIRGE
B.A., B.Ed., M.Sc.
Director

Over 20 years of experience in the resource, real estate, and cannabis industries in Canada, the U.S., and Mexico. Former Vice-President of the Trust for Sustainable Development.



DONALD H. CHRISTIE
CPA
Director

President, CEO, and a Director of Norvita Capital. A Director of Rockcliff Metals and the CFO and a Director of Nevada Zinc and Generic Gold Corp.



K. SETHU RAMAN
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Director

More than 46 years of international experience in all phases of exploration, mine development, acquisitions, and operations. The driving force behind the discovery and development of the Timmins West Gold Mine. Former director and advisor to Lake Shore Gold Corp.



IAIN SCARR
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COO and Vice President of Development & Exploration for Millennium Lithium Corp. Founder and principal of IMEX Consulting, which provides business development, mining, and marketing services to the industrial minerals industry.



JOHN MCNEICE
CPA, CA
CFO and Corporate Secretary

Former CFO of Un-Energy Inc., a uranium exploration company turned producer, with 13 years of accounting experience at PwC. Specializes in providing financial consulting and CFO services to emerging private and junior public companies in the resource sector.

Why Invest in Northern Graphite?

- Graphite demand from EVs growing dramatically
- Reasonable capital cost
- Major mining permit received, ready for construction
- Highest margin graphite project in the world
- Led by an experienced team
- Located in a stable jurisdiction

