



FIRST CANADIAN GRAPHITE

**SECURING NORTH AMERICA'S
GRAPHITE SUPPLY**

FIRSTCANADIANGRAPHITE.COM

TSX.V: FCI | FRANKFURT: BR2 (WKN: A418KT)

FORWARD LOOKING STATEMENTS - DISCLAIMER



Except for historical information, this presentation may contain certain “forward-looking” statements and information relating to First Canadian Graphite Inc. that are based on the beliefs of First Canadian Graphite Inc. management, as well as assumptions made by and information currently available to First Canadian Graphite Inc. management. Such statements reflect the current risks, uncertainties and assumptions related to certain factors including but not limited to, without limitations, exploration and development risks, expenditure and financing requirements, title matters, operating hazards, metal prices, political and economic factors, competitive factors, general economic conditions, relationships with vendors and strategic partners, governmental regulation and supervision, seasonality, technological change, industry practices, and one-time events. Should any one or more risks or uncertainties materialize or change, or should any underlying assumptions prove incorrect, actual results and forward-looking statements may vary materially from those described herein. First Canadian Graphite Inc. does not assume the obligation to update any forward-looking statement. The factors that could cause actual results to differ materially include, but are not limited to, the following: general economic conditions; changes in financial markets; the impact of exchange rates; political conditions and developments in countries in which the Company operates; changes in the supply, demand and pricing of the metal commodities which the Company mines or hopes to find and successfully mine; changes in regulatory requirements impacting the Company’s operations; the ability to properly and efficiently staff the Company’s operations; the sufficiency of current working capital and the estimated cost and availability of funding for the continued exploration and development of the Company’s exploration properties. This list is not exhaustive and these and other factors should be considered carefully, and readers should not place undue reliance on the Company’s forward-looking statements. As a result of the foregoing and other factors, no assurance can be given as to any such future results, levels of activity or achievements and neither the Company nor any other person assumes responsibility for the accuracy and completeness of these forward-looking statements. The Mason Graphite NI 43-101 mineral resource estimate and other information was sourced from the Mason Graphite news releases. The Qualified Person did not verify the information contained within the Mason Graphite news release and the mineralization on the Mason Graphite property is not necessarily indicative of the mineralization on the Company’s property.

Qualified Person: Luke van der Meer (P.Geo) is a Qualified Person ("QP") as defined by National Instrument 43-101 guidelines, and he has reviewed and approved the technical content of this presentation.



WHY INVEST IN FIRST CANADIAN GRAPHITE INC.

- 1. Recently consolidated with only 25.21 million shares outstanding**
- 2. 43-101 Mineral Resource Estimate showing an average grade of 17% on 3.2 million tons of indicated and inferred Graphite**
- 3. Management has been involved with over 15 mines**
- 4. Graphite purification is green and clean, as no water or chemicals are used**
- 5. The Company has successfully made lithium-ion batteries from its graphite**
- 6. Neighbouring a \$3.6 billion NPV Graphite project**
- 7. Neighbour has an offtake agreement with GM and Panasonic**





**SUCCESSFUL
MANAGEMENT
IS CRUCIAL**



OUR TEAM



Tom Yingling

CEO



Michel Robert

Advisor



Binny Jassal

CFO



Florent Baril

Director



Ian Graham

Advisor



WORLD CLASS TEAM

Our team has identified, explored, developed, operated and/or sold 15+ mines around the globe.

- La Coipa(Chile) Doyon
- (Canada) Niobec
- (Canada) Highland
- Valley (Canada Tintaya
- (Peru) Omai (Guyana)
- Louvicourt (Canada)
- Quiruvilca (Peru)
- Huaron (Peru)
- San Vincente (Bolivia)
- DiavikDiamonds (Canada)
- Eagle Nickel (USA) Bunder
- Diamonds (India)
- Lakeview Nickel (USA)
- Western Potash (Canada)
- Cozamin (Mexico)

We have the experience and connections for First Canadian Graphite to become a major player in the critical battery minerals space.



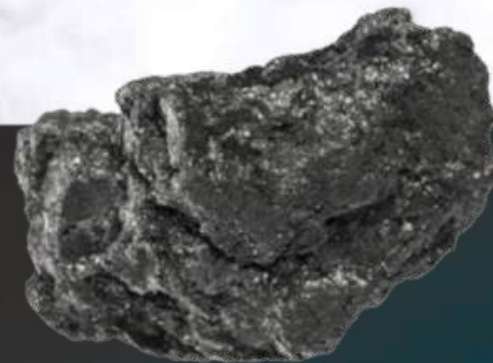
Graphite Outcrop Grading 17 - 45%
Graphite being Channel sampled





BERKWOOD GRAPHITE PROJECT

BERKWOOD GRAPHITE



It is located in Northern Quebec and, over the past seven years of drilling, has a 3.2 million tonne proven Graphite resource of indicated and inferred as per our 43-101 report. The project shares claim boundaries with Nouveau Monde's (NYSE-NMG) \$3.6 Billion Uatnam Graphite Mining Project. GM and Panasonic invested \$150M to secure future offtake agreements



Ni 43-101 Resource Estimate



NI 43-101 Drill Results

Multiple intersections show graphite grades over 30%, with an average of around 17%, making this one of the highest grade 43-101 graphite resources in the world.

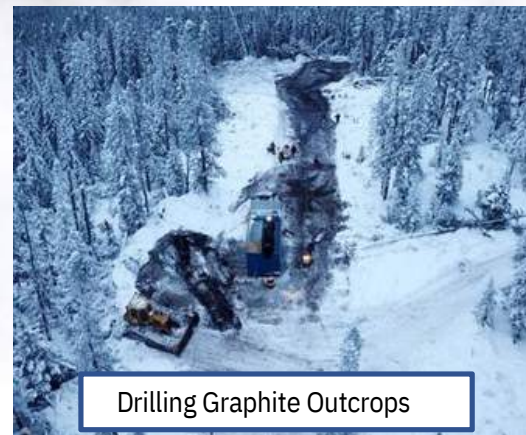
In-Pit Resource at Lac Gueret South (Berkwood Graphite Project)
(Rounded Numbers)

Current Resources (as of June 17th, 2019)

Minerals Resource Category	Tonnage (Mt)	Grade (%CGR)	Cgr (t)	Cut off
Indicated	1.76	17.0	299,200	6.81%
Inferred	1.53	16.4	250,200	6.81%



Sampling Graphite Outcrops



Drilling Graphite Outcrops



6 Drill programs core shed









Resource Estimate Reporting



GRAPHITE - THE LARGEST CONSTITUENT OF LITHIUM-ION BATTERIES

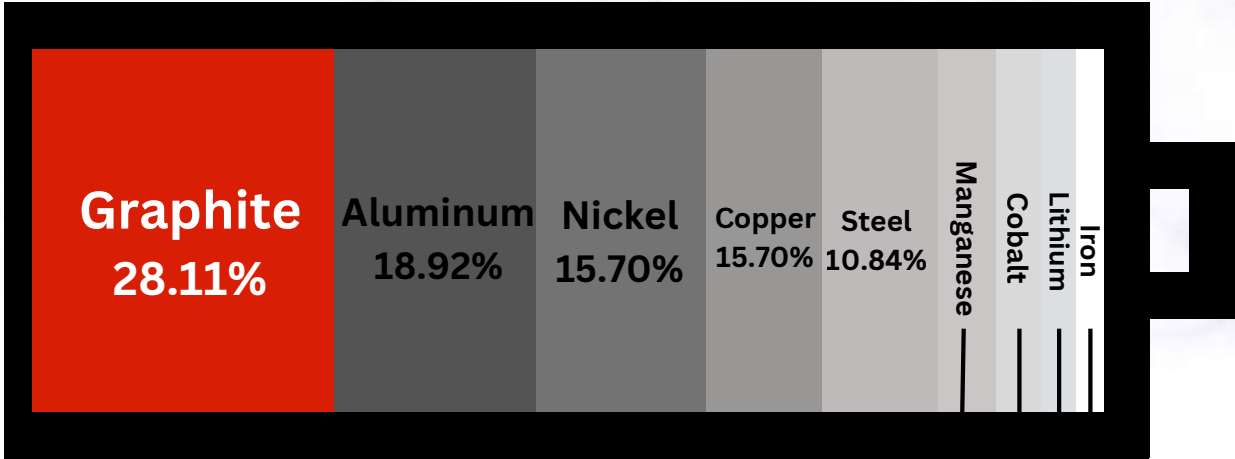
How battery chemistries differ, by mineral content for a 60KWH lithium-ion battery

	NMC811 Nickel (80%) Manganese (10%) Cobalt (10%)	NMC523 Nickel (50%) Manganese (20%) Cobalt (30%)	NMC622 Nickel (60%) Manganese (20%) Cobalt (20%)	NCA+ Nickel Cobalt Aluminum Oxide	LFP Lithium iron phosphate
 LITHIUM	5KG	7KG	6KG	6KG	6KG
 COBALT	5KG	11KG	11KG	2KG	0KG
 NICKEL	39KG	28KG	32KG	43KG	0KG
 MANGANESE	5KG	16KG	10KG	0KG	0KG
 GRAPHITE	45KG	53KG	50KG	44KG	66KG
 ALUMINUM	30KG	35KG	33KG	30KG	44KG
 COPPER	20KG	20KG	19KG	17KG	26KG
 STEEL	20KG	20KG	19KG	17KG	26KG



FIRST CANADIAN GRAPHITE

What is inside a Lithium-ion Battery?



Graphite: Berkwood Graphite Project (Québec)

5.40%
4.31%
3.22%
2.70%



**PREMIUM PRODUCTS FOR A
RAPIDLY GROWING MARKET**

ANODE GRAPHITE & GRAPHENE

WE ARE IN A GROWING GRAPHITE MARKET

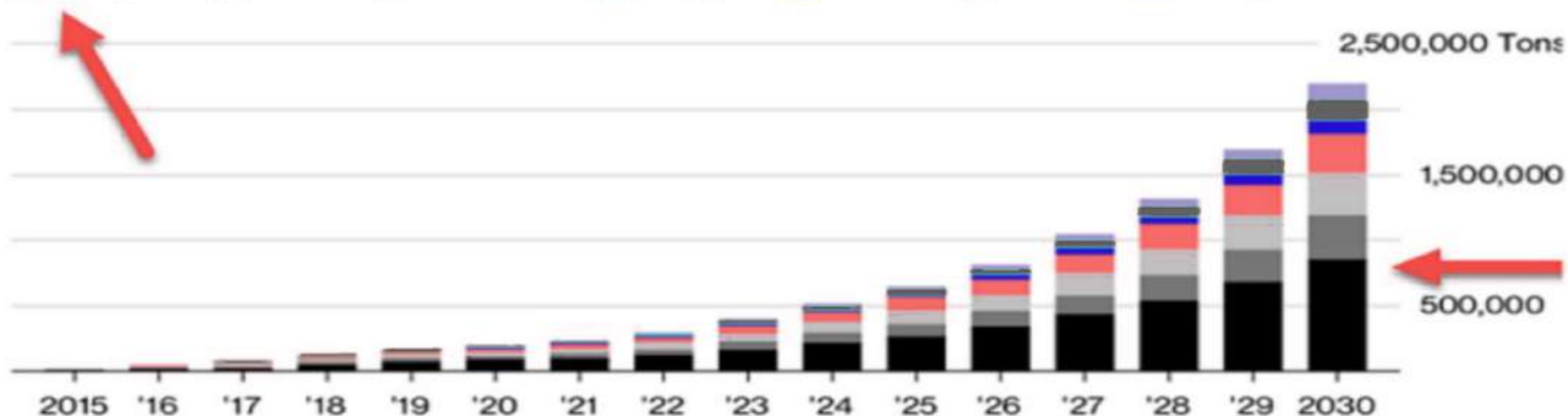
DEMAND FOR GRAPHITE IS GROWING

- EV DEMAND - 10 countries have mandated EV cars by 2030 to 2040
- SOLAR AND WIND FARMS - storing energy to sell at peak times
- HOME – batteries to store energy from solar roofs.

Metal Winners

Graphite demand is forecast to soar as electric vehicle market expands

■ Graphite ■ Nickel ■ Aluminum ■ Copper ■ Lithium ■ Cobalt ■ Manganese








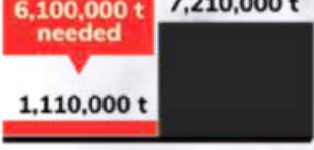


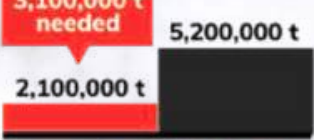



Source: Bloomberg New Energy Finance

Bloomberg

NEW MINES NEEDED BY 2035



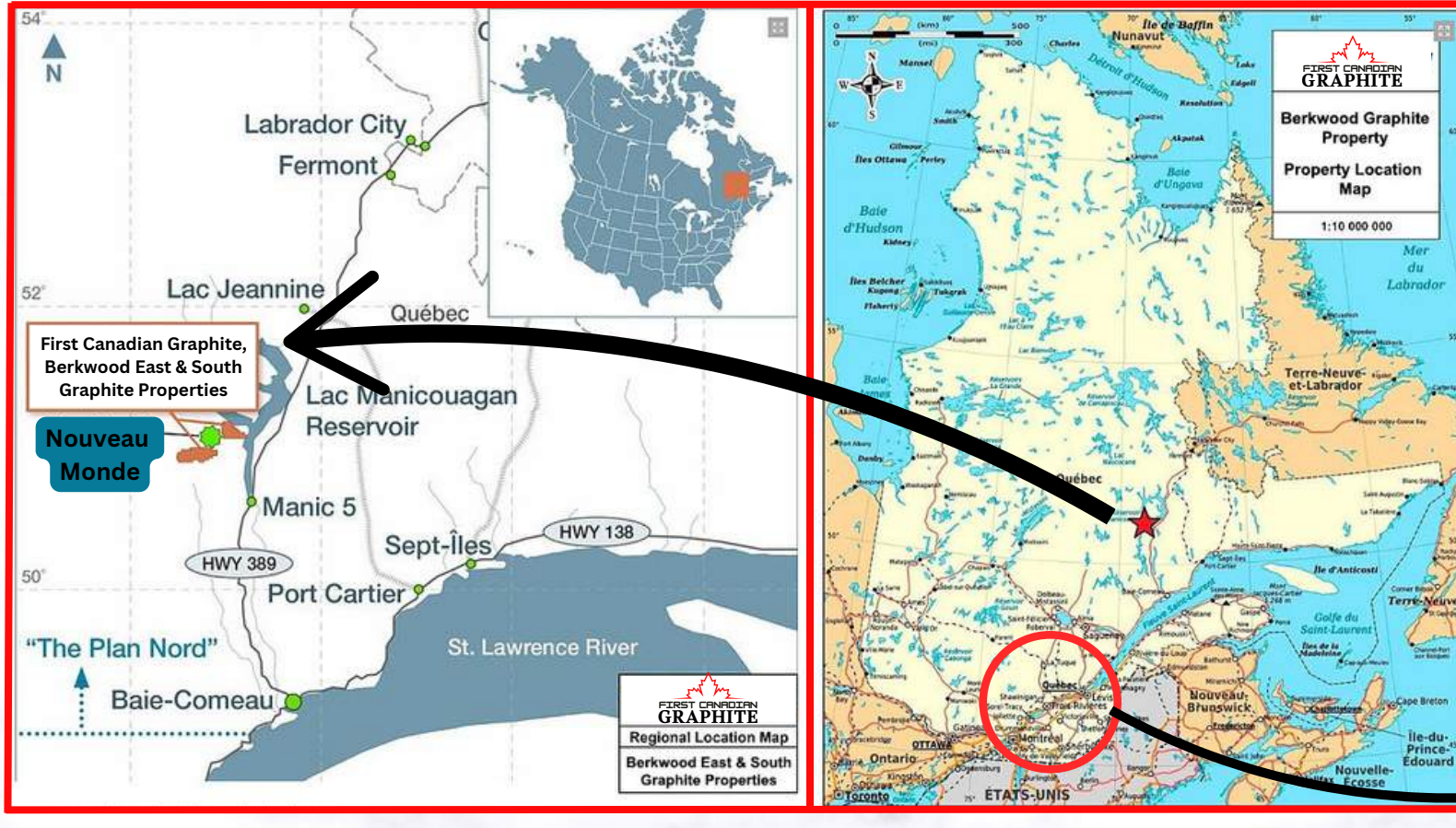
	2022 Supply v 2035 Demand	Average Mine/Plant Size	No. of Mines/Plants Needed
Lithium 		 45,000 t	59
Cobalt 		 5,000 t	62
Natural Graphite 		 56,000 t	97
Synthetic Graphite 		 57,000 t	52

*Source: Benchmark Mineral Intelligence

PROJECTED
DEMAND REQUIRES
97
NEW GRAPHITE
Mines needed by
2035 to meet the
demand for battery
anode materials



BERKWOOD GRAPHITE -NEXT TO A PROVEN \$3.6 B Graphite deposit



The Berkwood Graphite Project is immediately adjacent to Nouveau Mondes \$3.6 Billion NPV Uatnam Graphite Mining Project and is likely part of the same geological structure as Nouveau Mondes, especially since the grades and metallurgy of both companies' graphite is similar.

Proposed Anode Plants

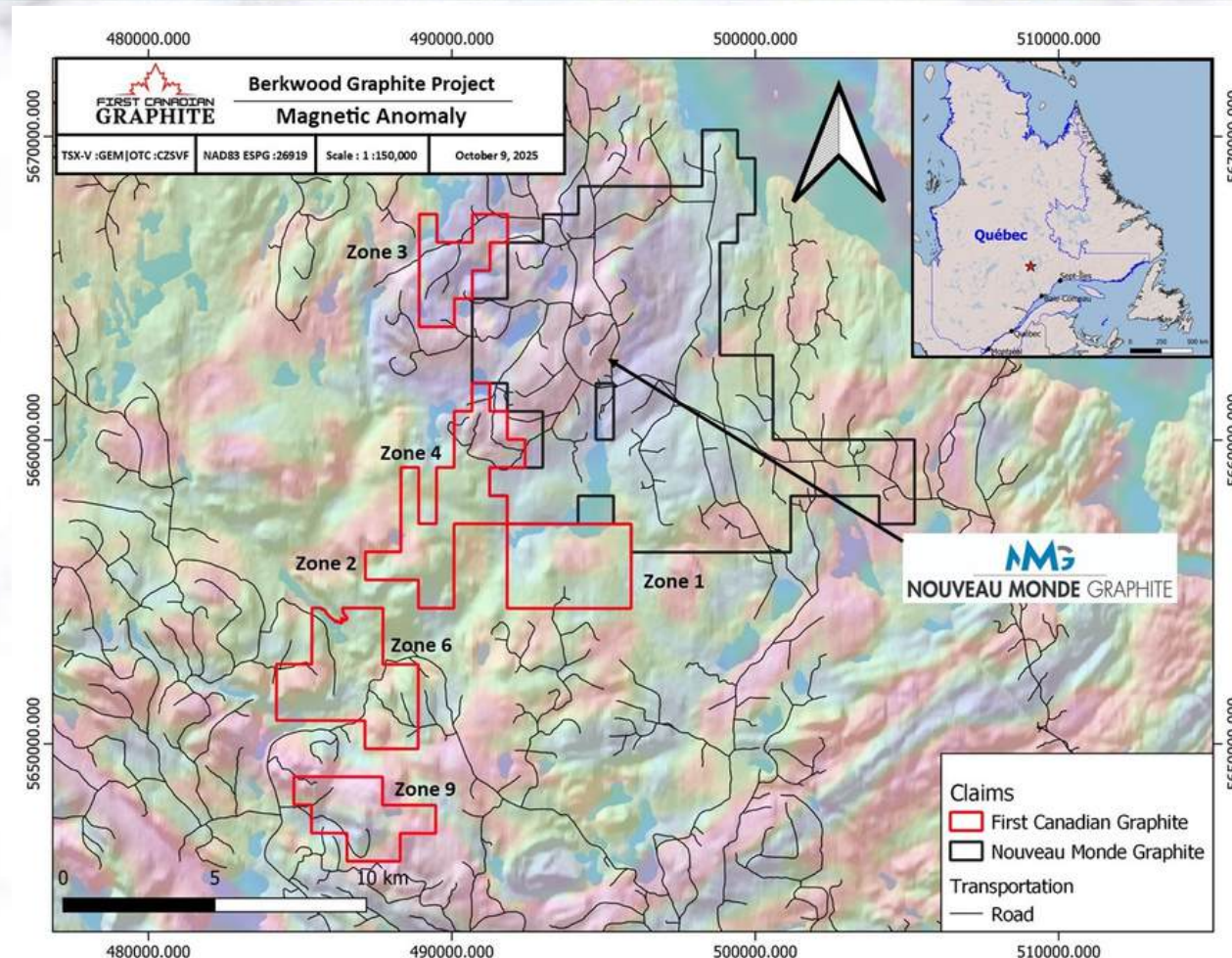
"The best place to look for a new mine is in the shadow of head frames!"

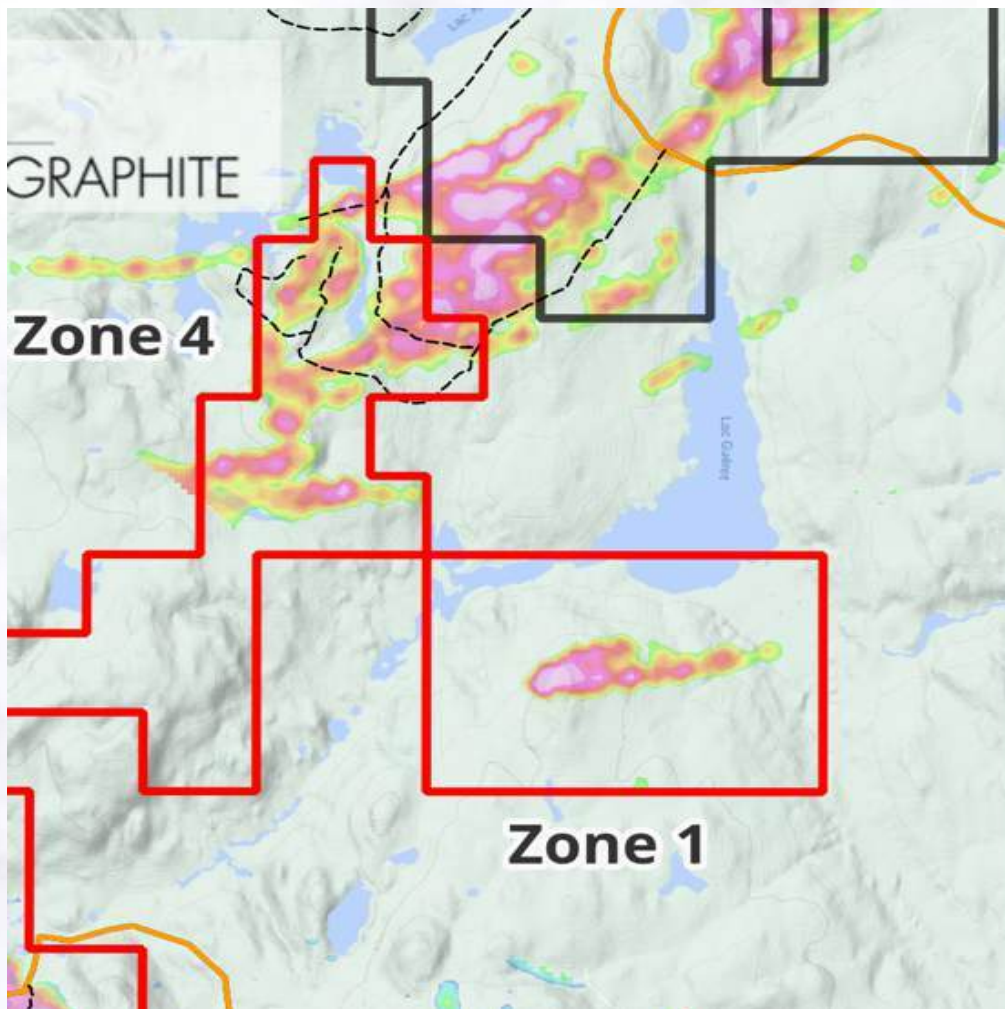


BERKWOOD GRAPHITE

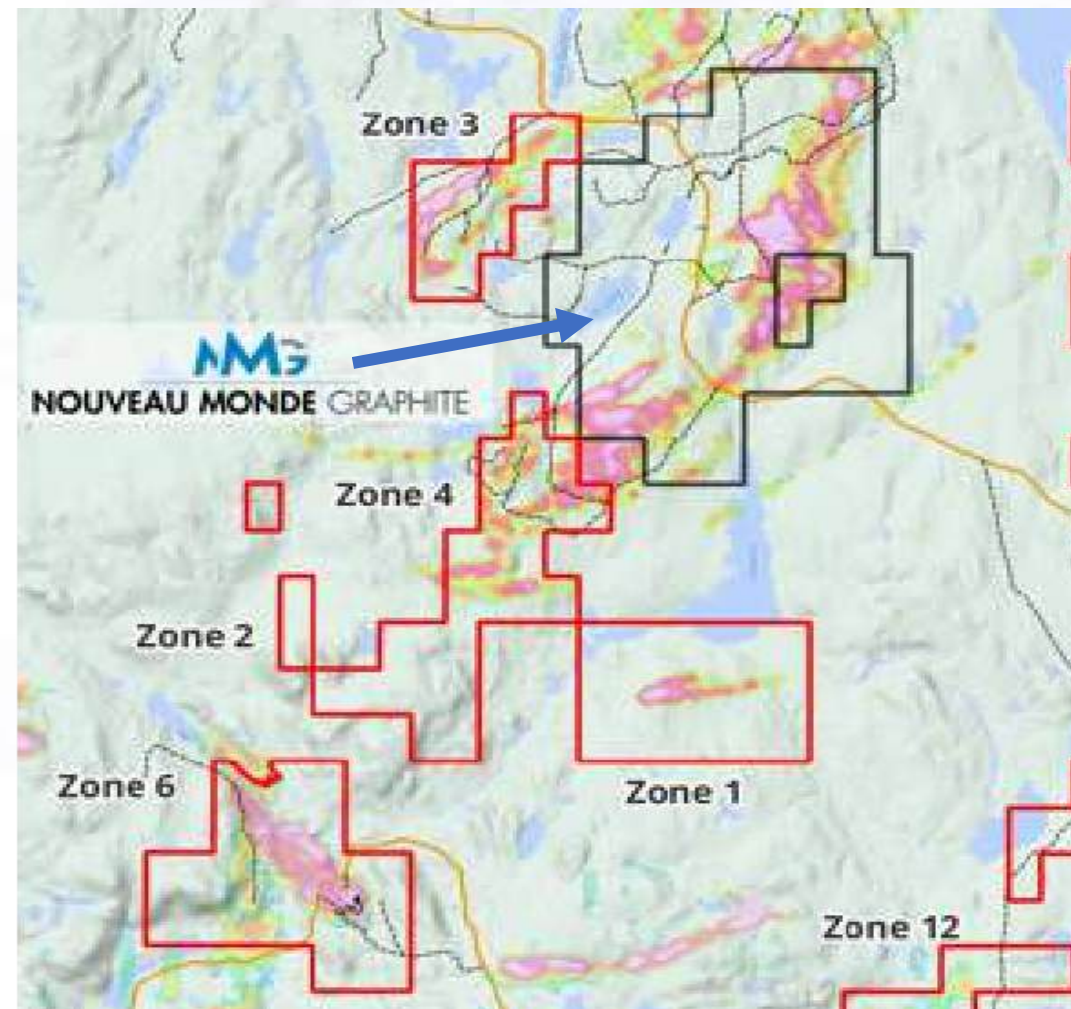


- 12 separate properties – 11,000 Ha
- Each property contains EM anomaly
- Each property sampled high grade graphite at surface, and road accessible
- 6 drill programs on two of the properties
- 3.2 M tonnes of indicated and inferred from one property only Zone 1
- Only 10% of properties drilled so far
- Resource easily expandable
- Next to be drilled is Zone 3





Each of the pink areas are geophysical anomalies all proven to contain graphite. To date, First Canadian Graphite's proven 3.2 million tonnes of indicated and inferred resource estimate has only been taken from Zone 1.



11 other zones that all contain geophysical anomalies already tested and proven to contain outcropping graphite. Most of these zones just need drilling which should easily expand the resource. These zones are all road accessible and drill ready. Zone 6 and 3 have historical drill data.



GRAPHITE OUTCROPS FROM DIFFERENT ZONES



**WHOEVER SAID SIZE
DOESN'T MATTER**
...already has a big diamond

Like Diamonds, when it comes to Graphite, size does matter. The bigger the Graphite (flake or mesh size) the more valuable.





OUR GRAPHITE MEETS THE HIGHEST QUALITY DEMANDS



97.8% from Metallurgical Testing

*See News Release Feb. 7th 2019: Berkwood metallurgical tests yield 97.8% graphite in concentrate grade

Classification	Size Fraction	Weight %	Cgr (%)
Very Coarse	20 x 50	39.5	97.6
Coarse	50 x 100	50.0	98.0
Fine	100 x 200	10.4	98.0
	Total	100.0	97.8

Average Distribution of Graphite

Size Range	Medium Cgr (6.81% - 15%)	High Cgr (15% - 35+%)
20 to 50 Mesh (Jumbo Flake)	51.30%	47.10%
50 to 100 Mesh (Large Flake)	28.70%	21.50%
Less than 100 Mesh (other)	20.10%	31.40%



*See News Release Mar. 8th 2018: Berkwood announces large flake characterization results at Lac Gueret Project Quebec



FCI'S GRAPHITE IS HIGH QUALITY, IDEAL FOR LIBS + PREMIUM PRICE



FCI's resource shows
predominantly large and
jumbo size flakes making
this one of the best
properties
for anode materials

Our Graphite = High End Quality

- Natural -better electrical and thermal conductivity than synthetic material High Grade -17% average grade
- Large/Jumbo Flake -has the highest conductivity as it is the most dense High Conductivity
- Superior Crystallinity -Improves the life of batteries
- Perfect for usage in expandable graphite

Microns	Mesh Size	Purity	Market Terminology	Price/Tonne (US\$)
>300	+48	90 to 97%	Extra large or 'Jumbo' Flake	~ \$2,000
180 to 300	-48 to +80	90 to 97%	Large Flake	~ \$1,300
150 to 180	-80 to +100	90 to 97%	Medium Flake	~ \$1,100
75 to 150	-100 to +200	90 to 97%	Small Flake	~ \$750
<75	-200	80 to 85%	Fine Flake/Amorphous	~ \$450



PROXIMITY TO ALL ESSENTIAL INFRASTRUCTURE



Access to critical infrastructure translates into an enhanced margin profile while facilitating and accelerating operations





GREEN CREDENTIALS

PARTNERSHIP



Using effluent-free new air separation process from partner Volt Carbon

- Teamed up with Volt Carbon Tech (TSX: VCT), we achieved successful purification of our graphite from an average head grade of 17% up to 98% Cg after dry separation. This innovative technique eliminated the need for water, reagents, or chemicals, resulting in a reduced carbon footprint, underscoring our commitment to ESG principles.
- In addition to the environmental benefits, the road accessibility of our project ensures minimal disruptions in the event of mining operations.
- Our emphasis on utilizing surface graphite further attests to our dedication to environmental responsibility, as it reduces waste rock.
- To power our operations sustainably, we proudly embrace clean, green, and renewable hydroelectric power exclusive to Quebec. By doing so, we actively promote greener energy and make valuable contributions to the production of eco-friendly batteries.

*See News Release May 16, 2023: Green Battery Minerals strengthen ESG credentials through successful air separation test of its graphite





CREATING FURTHER DISRUPTION IN THE LIB ANODE SPACE

Crushed Ore (-12 Mesh)



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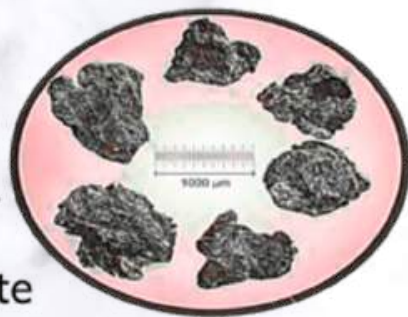


Air Classifier

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Flake Graphite Concentrate



**ESG SEPARATION METHOD RETAINS HIGH
QUALITY SOURCE MATERIAL WHILE NOT
PRODUCING ANY EFFLUENT**

Air Classification

Volt Carbon Technologies has what management believes is a potentially straight-forward low energy proprietary air classification systems

- Graphite is liberated from host material using aerodynamics
- We believe this process can be used for extracting flake graphite from aggregate in a quarry type setting
- Graphite purification up to 95% only 93% for now purity depending on host material
- Dry-circuit uses no reagents, acids or environmental contaminants
- Serves as a primary purification process
- Environmentally clean with what management believes is an efficient use of energy and 0 water
- Management anticipates a substantial reduction in CAPEX compared to flotation for graphite purification



ESG PROFILE MAJOR SELLING POINT FOR EV INDUSTRY



WHY INVEST OR PARTNER WITH FIRST CANADIAN?

1. 3.2 million Tonnes of indicated and Inferred from one property
2. 11 more properties all confirmed at surface high-grade graphite
3. Neighbours just announced a \$3.6 Billion NPV for their Graphite Mine
4. Berkwood Graphite was successfully used to create a lithium-ion battery
5. Graphite is a Critical Mineral whose supply is in jeopardy from China
6. Demand for Graphite will increase dramatically as the Electric vehicle market grows
7. Quebec is an ESG-friendly location with affordable and Green, Clean, renewable Hydropower
8. Excellent infrastructure with highways, railway, deep seaports
9. Pro-mining Government amongst local communities and Indigenous groups
10. Low-hanging fruit drill-ready properties will add to the resource
11. Only 25,219,941 shares outstanding



Share Structure



TSX-V: FCI
Frankfurt: BR2

Shares Outstanding	25,219,941
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Options	1,947,500
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Warrants	17,674,426
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Fully diluted	44,841,867
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