

Developing High-Grade Flake Graphite Projects to Supply Top Quality Battery-Grade Graphite for the Green Energy Revolution

**April, 2022** 

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Qualified Person: The included scientific and technical information regarding exploration activities as defined in NI 43-101 s. 1.1, was either prepared, reviewed and/or approved by Marc-André Bernier géo. (QC), P.Geo., (ON), M.Sc., Technical adviser for Focus Graphite Inc. and a Qualified Person under National Instrument (NI) 43-101 guidelines.

All measurements provided in this presentation are in metric units. All monetary amounts are expressed in Canadian dollars (\$) unless otherwise indicated.



The world is poised at the cusp of a green energy revolution, where renewable energy sources are replacing traditional sources of energy, such as oil, coal and gas. One of the major shifts taking place is the replacement of vehicles that run on fuel to zero-emission electric vehicles (EVs).

These EVs require powerful batteries that are made of critical materials that include lithium, cobalt, nickel, manganese and **graphite**.

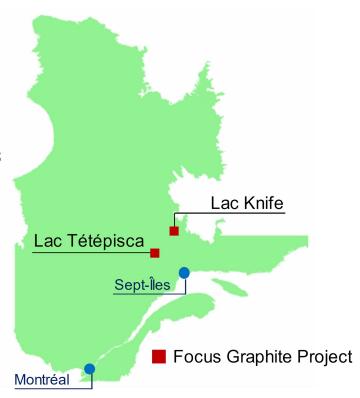


Graphite makes up <u>more than half</u> of the battery's components, and for EV batteries to be sufficiently powerful to run vehicles, the graphite used for the battery's anode has to <u>be high-quality, with a highly crystalline structure</u>.



# Focus Graphite is developing some of the highest-quality flake graphite properties in the world.

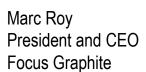
- Located in Quebec, Canada, a top-rated mining jurisdiction
- infrastructure such as roads and low-cost hydroelectricity that make remote mine sites easier and cheaper to access and operate
- Government's \$90 million plan for the development of critical and strategic minerals (CSM) 2020-2025 to encourage the production of materials needed for renewable energy
- a financial assistance program for exploration projects for critical and strategic materials, such as graphite





#### **Our Team**







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Judith Mazvihwa-Maclean CFO Focus Graphite



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Concertation Minière (TJCM) - Senior technical consultant



Réjean Girard, géo. President of IOS Services Géoscientifiques inc. Technical

consultant



#### **Our Values**

#### At Focus we believe that:

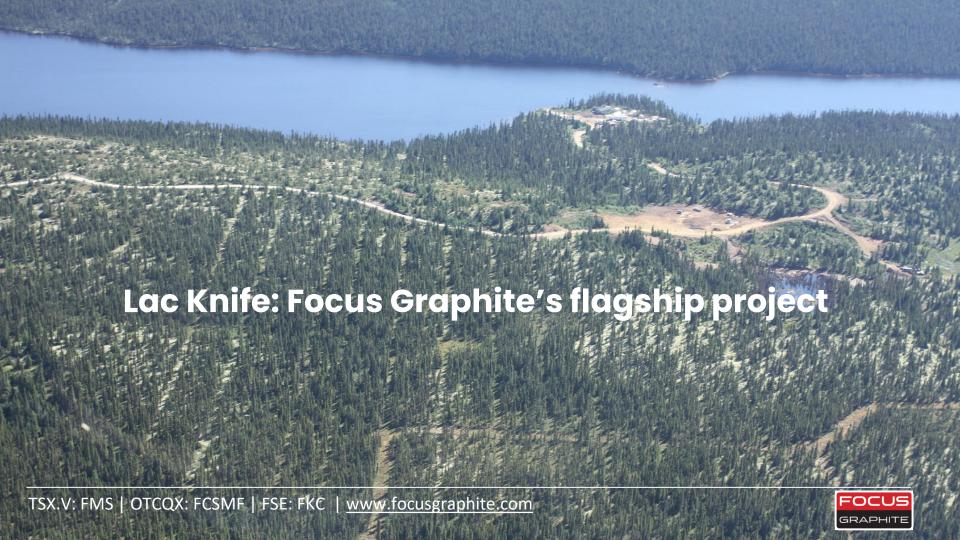
- We all must adopt renewable, sustainable energy solutions to preserve our planet.
- Mining and processing the minerals that are critical to the production of green energy solutions can be achieved in a responsible way that protects the environment and makes use of sources of clean energy.
- People be they our employees, clients, or members of the communities in which we operate – are the most important factor in our success. We are open and honest with all our stakeholders.

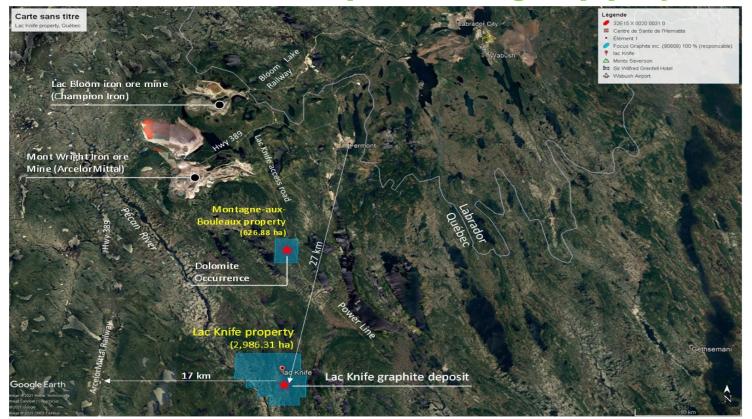


More than two-thirds of the battery-grade graphite available today comes from China, and there are **no graphite mines in operation in the United States**. North America needs a secure source of high purity large-flake graphite – and Focus Graphite plans to be that source.

We seek to play a key role in supplying the raw materials needed for today's green energy revolution.









- 100% owned, high-grade crystalline flake graphite deposit located in the Côte-Nord district of northeastern Québec, about 27 km south of Fermont.
- A feasibility study prepared by Met-Chem Canada Inc. (now DRA Americas Inc.) in 2014 indicated positive project economics that, at the time, positioned the project as potentially one of the lowest-cost, highest-margin producers of high purity flake graphite concentrate in the world.
- In 2021, Focus commissioned DRA Americas Inc. to update and modify the 2014 feasibility study for the Lac Knife Project and prepare a new NI 43-101 Technical Report expected end of Q2 2022.
- Also currently expediting the completion of the Lac Knife environmental and social impact assessment (ESIA) study, also expected for delivery Q2 2022.
- Since 2014, Focus has conducted extensive testing of its Lac Knife flake graphite that shows its superior performance in Li-Ion batteries compared to standard commercial grades of natural and synthetic graphite



- **Target:** Open pit graphite mine with an average annual production capacity of 44,300 tonnes of graphite concentrate grading an average 96.6 % Cg for all size fractions (98.1% Cg for +200 mesh flake (+75 µm))<sup>1</sup> over a 25-year mine life.
- **Feasibility Study**: the new feasibility study (FS) underway by DRA Americas will incorporate engineering upgrades designed to improve the environmental performance of the project, including:
  - a new tailings, waste rock and water management system for the project, currently being designed by NewFields Canada Mining & Environment
  - MedaTech is developing an all-electric mine plan, using electric motors instead of combustion engines in mobile equipment

<sup>1</sup>Source: 2014 Lac Knife feasibility study technical report available at www.sedar.com under Focus Graphite Inc.



#### ESIA (Environmental and Social Impact Assessment) update underway:

- Wood Environment and Infrastructure Solutions is conducting two important ESIA-related investigations:
  - new air quality model and dust management plan
  - hydrogeochemical model for the project
- Other work completed or underway for the ESIA update includes:
  - Surveys of ground and surface water quality, lake bottom sediment, soil and overburden
  - Wetland characterization, inventory of special-status and invasive plant species and Inventory of Chiroptera (bat) fauna
  - Engagement and consultation with local and indigenous communities

     MU Conseils, experts in communications with the local Innu
     community, have been engaged to facilitate the dialogue and assist
     Focus in achieving social acceptability for the project

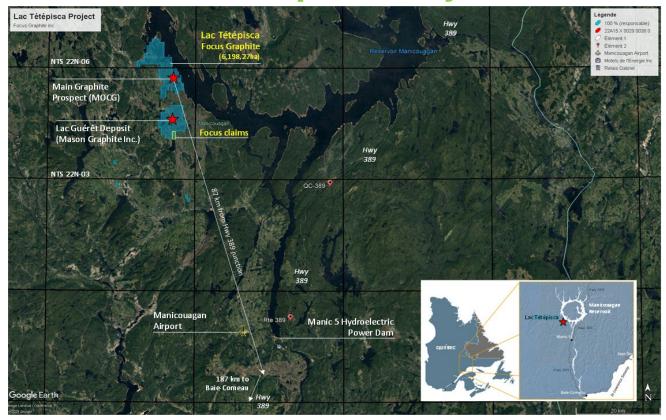


#### Next Steps (2022-2023):

- Complete the Feasibility and ESIA studies, together with the Mine Closure Plan for the project and submit the reports to the Québec ministry of the Environment and Climatic Changes (MELCC) for review.
- Upon the ESIA study being deemed "receivable" by the MELCC, the project will move to the Public Information and Consultation stage by the Québec Environmental Public Hearings Office (BAPE), the next step in the environmental review process. Achieving "social acceptability" is a fundamental condition for Focus to move the Lac Knife project forward along the path to commercial production.
- Sign community partnership agreements and negotiate an Impact and Benefit Agreement (IBA) with the Innu Takuaikan Uashat mak Mani-utenam (ITUM) First Nation.
- Complete the Scoping and Market Study on Processing in Québec, a new requirement under the Québec Mining Act to obtain a Mining Lease.
- Initiate detailed engineering studies.
- Obtain the Government Decree authorizing Focus to move the Lac Knife project to construction and mining.









- Manicougan Hydroelectric Reservoir, Côte Nord region of northeastern Québec,
   234km north of the city of Baie-Comeau
- 100%-owned, accessible year-round by road from highway 389.
- Two contiguous properties, Lac Tétépisca and Lac Tétépisca Nord, that together form a block of 115 claims with a total area of over 6,000 hectares.
- Host to the Manicouagan-Ouest Graphitic Corridor (MOGC), discovered by Focus
  in 2012 and defined by a linear 1 km-long northeast trending geophysical anomaly.
- Maiden Mineral Resource Estimate completed in February 2022.
- Working with Indigenous and Community relations experts MU Conseils to develop a mutually beneficial relationship with the local Pessamit Innu community on whose Nitassinan (traditional lands) Lac Tétépisca is located



- **Target**: large tonnage, open pit flake graphite deposit grading a min. 10% graphitic carbon (Cg).
- Between 2014 and 2020, 106 drill holes over a 1.4 km distance were drilled for a total collection of 16,467 m.
- In 2021, a total of 5177 samples were sent for analysis.
- The deposit covers 304,00 square metres from surface to a vertical depth of about 200 metres with an average true thickness of about 85 metres.

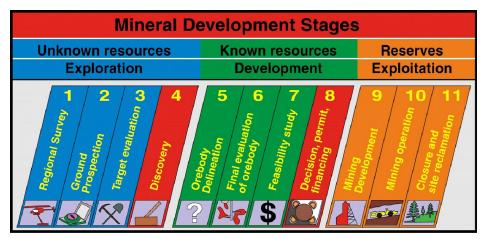


On February 17, Focus released the highlights of DRA America's Mineral Resource Estimate ("MRE") on the Manicouagan-Ouest Graphitic Corridor ("MOGC") prospect. The MOGC prospect hosts:

- Open pit constrained "Indicated" mineral resources of 59.3 Million tonnes ("Mt") grading 10.61% Graphitic Carbon ("Cg"), equivalent to
   6.3 Mt of natural flake graphite in-situ; and
- "Inferred" mineral resources of 14.9 Mt grading 11.06% Cg for an estimated content of **1.6 Mt** of natural flake graphite in-situ.



 The MOGC prospect is now classified as a "mineral deposit" per CIM Standards on Mineral Resources and Reserves, Definitions and Guidelines. A mineral deposit is the fundamental building block needed by Focus to move the Lac Tétépisca project from Stage 5 of the mineral development process (MDP) to Stage 6, the aim of which is to complete a Preliminary Economic Assessment ("PEA") of the MOGC graphite deposit.

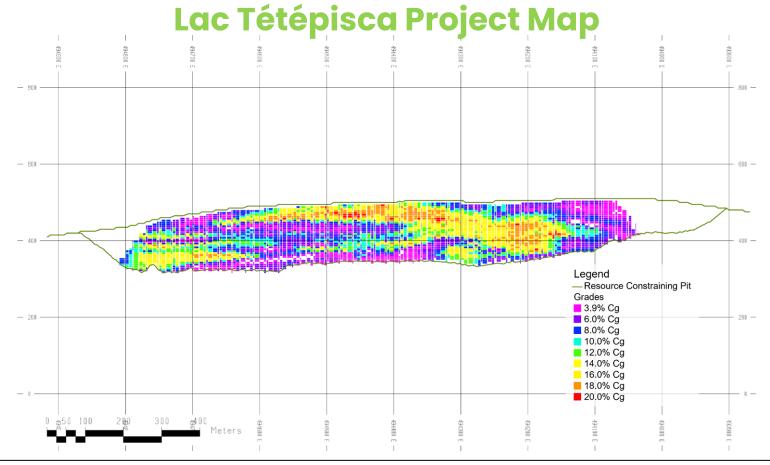


Focus can now claim that its
 Lac Tétépisca project holds
 one of largest undeveloped
 natural flake graphite
 deposits in Québec, and in all
 North America!

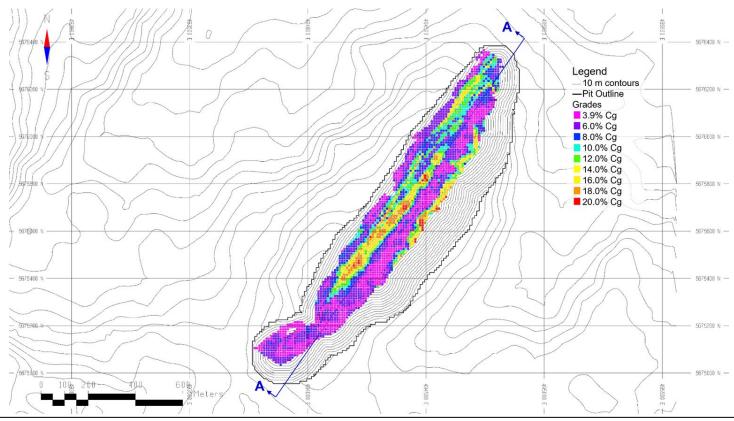


In 2021, the USA did not produce natural graphite.
According to the USGS, U.S. natural graphite imports for 2021 were estimated at **53,000t**, about 57% of which were flake and high-purity flake. With **6,300,000 t** of graphite in the ground (Indicated resources) at Lac Tétépisca, Focus potentially holds sufficient flake graphite resources to meet current US demand for the next **50+** years!











#### **MOGC Deposit Geometallurgical Study Proposal:**

On March 4, Focus applied for a \$400,000 grant from the Québec Ministry of Mines ("MERN") to support a geometallurgical study of the MOGC deposit.

A "GeoMet" study is a recent practice in the mining industry – combines geology, mineralogy, geochemistry and geostatistics with metallurgy, or, more specifically, extractive metallurgy, to create a spatially based predictive model for mine production planning in ore deposits with complex or variable ores, and for risk management and mitigation during ore processing plant design.

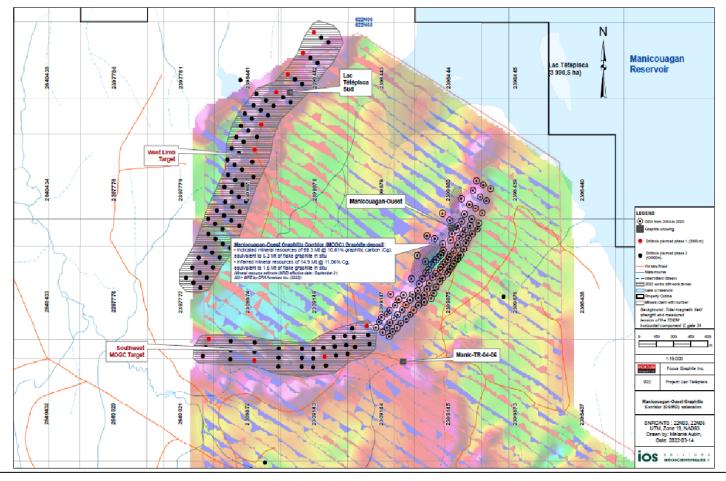
The principal objective of the study is to design a metallurgical process for the future Lac Tétépisca ore processing plant that will be optimized to ensure the maximum recovery of large flakes and the highest possible Cg grades in concentrate.



#### **Next Steps:**

- On March 15, Focus began drill testing a second graphitic zone discovered at Lac Tétépisca in 2014 that is parallel to the MOGC but located 2 km to the west. Eleven paragneiss grab samples collected along a 900 m segment of this new graphitic zone returned grades ranging from 3.86% Cg to 54.20% Cg, with seven grab samples containing over 16% Cg.
- Phase 1 is part of a broader 15,000 m drilling program designed to explore for satellite deposits within a radius of five km of the MOGC deposit. The first objective of the program is to confirm Focus' hypothesis that the Southwest MOGC and West Limb targets hold significant graphite mineralization potential. Both targets are close to the MOGC graphite deposit and have similar geophysical characteristics, and they are interpreted as being structurally and genetically related, representing the nose and west limb of an anticline fold, respectively.







#### **Next Steps:**

- On March 28, Focus met with the Council of the Pessamit Innu on whos Nitassinan (traditional lands) the Lac Tétépisca project is found.
- We listened to their concerns, answered their questions and gained an understanding of their interests and priorities.
- Initial discussions were very positive and the Pessamit expressed an interest in partnering with us to develop this exciting opportunity to supply a mineral (graphite) that is so critical to the green energy revolution.
- The lines of communication are open, and we expect to meet with them again in the summer.



# **Quebec Graphite Mine Comparison**

Table 1: Graphite deposit tonnage and grades, Côte-Nord, Laurentides and Lanaudière administrative regions of Québec (version March 28, 2022).

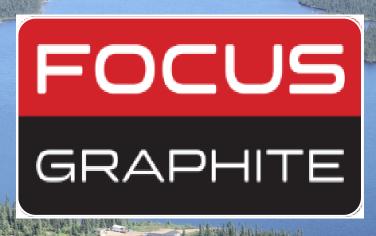
No.	Project	Owner	Mineral Reserves and/or Mineral Resources	Ore Tonnage (Mt)	Graphitic carbon grade (%Cg)	Contai ned graphi te (Mt)
1	Lac Tétépisca	Focus Graphite	Indicated mineral resources (2022)	59,3	10,61%	6,30
2	Lac Guérêt	Mason Graphite	Proven and probable mineral reserves (2018) first 25 years of mining Proven and probable mineral reserves (post 25 years)	4,7 58,1	27,80% 16,30%	1,31 9,47
3	Matawinie	Nouveau Monde	Probable mineral reserves (2018) Measured and Indicated mineral resources (2020)	59,8 120,3	4,35% 4,26%	2,60 5,13
4	Lac Knife	Focus Graphite	Proven and probable mineral reserves (2014) Measured and Indicated mineral resources (2017)	7,9 12,1	15,00% 14,64%	1,19 1,77
5	Lac Rainy Nord	Metals Australia	Indicated mineral resources (JORC) (2020)	13,3	11,50%	1,53
6	La Loutre	Lomiko Metals	Indicated mineral resources (2021)	23,2	4,51%	1,04
7	Lac Guérêt South	Berkwood Resources	Indicated mineral resources (2019)	1,8	17,00%	0,30



# **Capital Structure and Financial Information**

Focus Graphite Inc.	Symbol: FMS		
Listed Exchange	TSX Venture		
Market Capitalization	\$ 35,860,000		
Common shares outstanding	551,663,897		
Cash & Investments	\$ 5,700,000		
Recent Price (Mar. 29, 2022)	\$0.065		
52-week Range	\$0.055 - \$0.16		





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