

# Lomiko's Projects

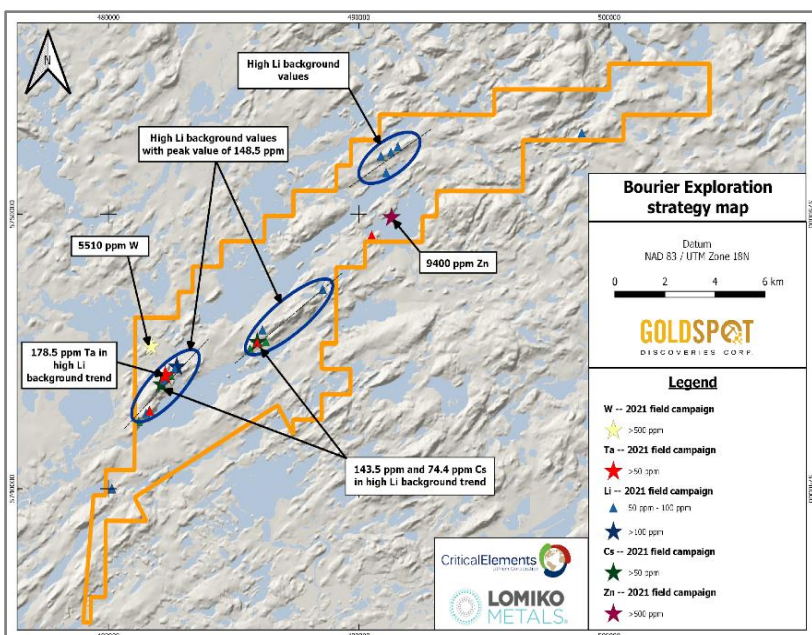
## La Loutre Natural Flake Graphite

A positive PEA indicated the project has a 15-year mine life producing per year 100,000 tonnes of graphite concentrate at 95% Cg or a total of 1.5Mt of graphite concentrate.

- LOM plant throughput of 21.8 Mtonnes at 6.78% Cg.
- NPV of \$186M (8% post-tax).
- AISC US \$ 406/t of graphite concentrate.
- **Pre-feasibility study 50% complete including:**
- PFS level flotation tests produced graphite concentrate grade of up to 99.7% Cg! LCT testing confirm 98.6-99.1% Cg con grade at 94.7% recovery! Optimized PFS level plant flowsheet.
- **Additional purification studies completed in Q2 2023 show 99.99% graphitic carbon purity with low levels of impurities confirming suitability for anode material.**
- Completed 13,100m drill program with 79 infill holes **increasing Indicated resources 184% from 1.1mt of in-situ graphite to 3.0mt** in addition to 0.7mt of inferred resource.
- **NI-43-101 resource estimate completed- PFS studies to continue in Q3-Q4 2023.**
- **Q4 2023 value-added applications and complete battery trials**
- **Baseline data collection completed and ECOLOGO Certified**



Deposit	2023 MRE			2021 MRE			
	EV	Battery	TOTAL	EV	Battery	TOTAL	
Cut-off (%) Cg	1.5	1.5	1.5	1.5	1.5	1.5	
Indicated mineral resource	Tonnage (kt)	24,267	40,429	64,696	8,158	15,007	23,165
	Graphite (%)	5.80	3.86	4.59	6.48	3.44	4.51
	Graphite (kt)	1,407	1,562	2,969	529	516	1,045
Inferred mineral resource	Tonnage (kt)	3,067	14,384	17,452	12,829	33,992	46,821
	Graphite (%)	4.29	3.60	3.72	5.81	3.33	4.01
	Graphite (kt)	132	518	650	745	1,132	1,878



## Bourier - Lithium

The Bourier project is potentially a new lithium field in an established lithium district. It is owned by Critical Elements Corporation, which has entered into an agreement with Lomiko Metals whereby Lomiko may acquire up to 70% of the property. Located on Nemiscau greenstone belt and at the Cree Eeyou Istchee James Bay territory in Quebec

- GoldSpot's AI analysis revealed considerable lithium potential over 2,5km anomalous zones with increased Li-Ta-Ce values
- 2022 field program confirming anomalous values for Li-Ce-Ta
- Geochemical studies completed targeting LCT pegmatites during 2023 exploration season

### Contact Us

[info@lomiko.com](mailto:info@lomiko.com)

1-833-456-6456 or 1-833-4-LOMIKO

[www.lomiko.com](http://www.lomiko.com)

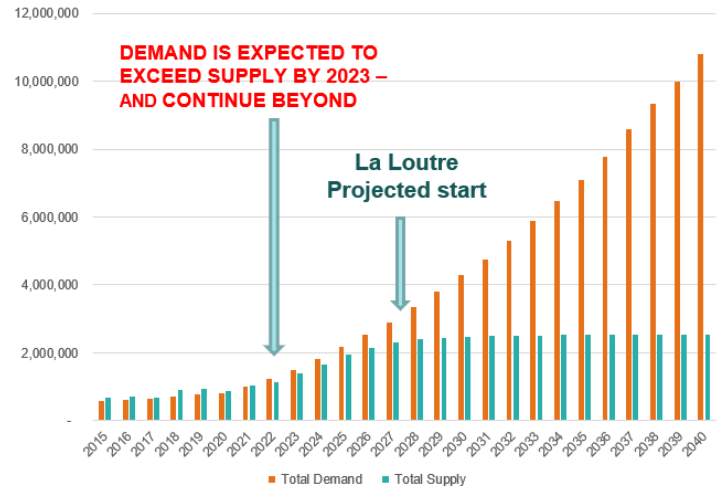


## Why Lomiko?

- **55 targets identified within 236 claims in total, on 6 projects** covering 14,255 hectares of mineral claims in the Laurentian region of Quebec and within KZA territory.
- A graphite shortfall will start in 2027, just as Lomiko anticipates having its La Loutre project in operation if funding is available to complete studies.
- Lomiko holds 3.6Mt of in-situ graphite in a high-potential region in Quebec – Grenville belt. 3.0Mt indicated.
- ESG at heart. Lomiko is 1 of 22 ECOLOGO-certified mining companies in Quebec.
- Our team has extensive experience in growing businesses large and small, in mine construction and operations, and a deep understanding and respect for the long-term relationship-building and entrepreneurial support needed in our communities.
- Majority female executive team, majority female board, with First Nations and francophone representation

## BUILDING A PORTFOLIO OF CRITICAL MINERALS

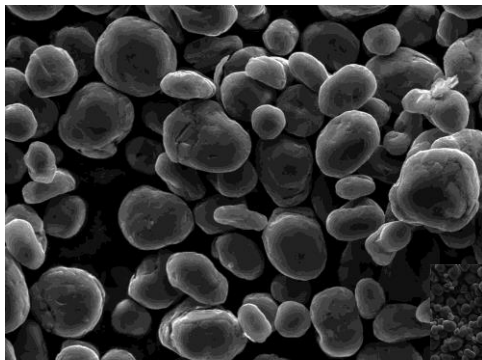
Graphite Market Balance - Projected Demand and Supply (Mt)



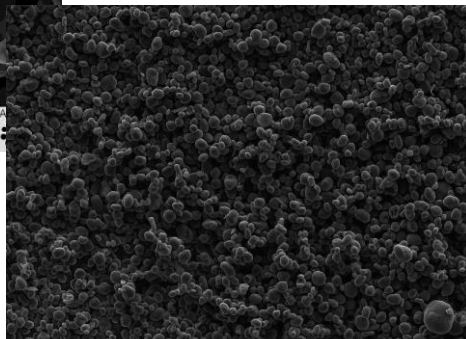
### The Need for Secure, North American Critical Minerals

- EV battery demand in North America will be in a supply demand deficit position starting in 2023, increasing to negative 8mt by 2040.
- In 2022 federal budget, the Canadian Government pledged \$3.8 billion over eight years to develop Canada's first critical minerals strategy.
- EV battery producers need secure, North American sources of components such as graphite. Inflation Reduction Act incentives for North American raw materials extraction and locally produced batteries and EVs

## Lomiko SPG20



SEM HV: 20.00 kV WD: 16.63 mm  
View field: 144.5 µm Det: SE 20 µm  
Name: 2375\_00002 Date(m/d/y): 05/10/23



SEM HV: 20.00 kV WD: 16.63 mm  
View field: 1.16 mm Det: SE 200 µm  
Name: 2375\_00013 Date(m/d/y): 05/10/23

## Graphite Projects portfolio – 6 in early stage, Carmin historic PFS

