

# MANNING VENTURES

CSE: MANN

OTC: MANVF

FSE: 1H5

**COPPER - LITHIUM**

# Powering the Future of Energy

Manning is led by a seasoned management team with a clear focus on driving value to shareholders through actively exploring Energy Metals projects in North America.



# ABOUT US

**Manning** is led by a seasoned management team with a clear focus on driving value to shareholders through actively exploring Energy Metals projects in North America.



Manning is focused on driving shareholder value through the exploration and discovery of Energy Metals, critical materials needed to power the new energy paradigm.



Copper, Lithium and associated materials will continue to be at the forefront of global commodity demand for decades to come.



We seek out geologically favorable ground that is both highly prospective and underexplored and through intelligent, methodical exploration we pursue impactful resource discovery.

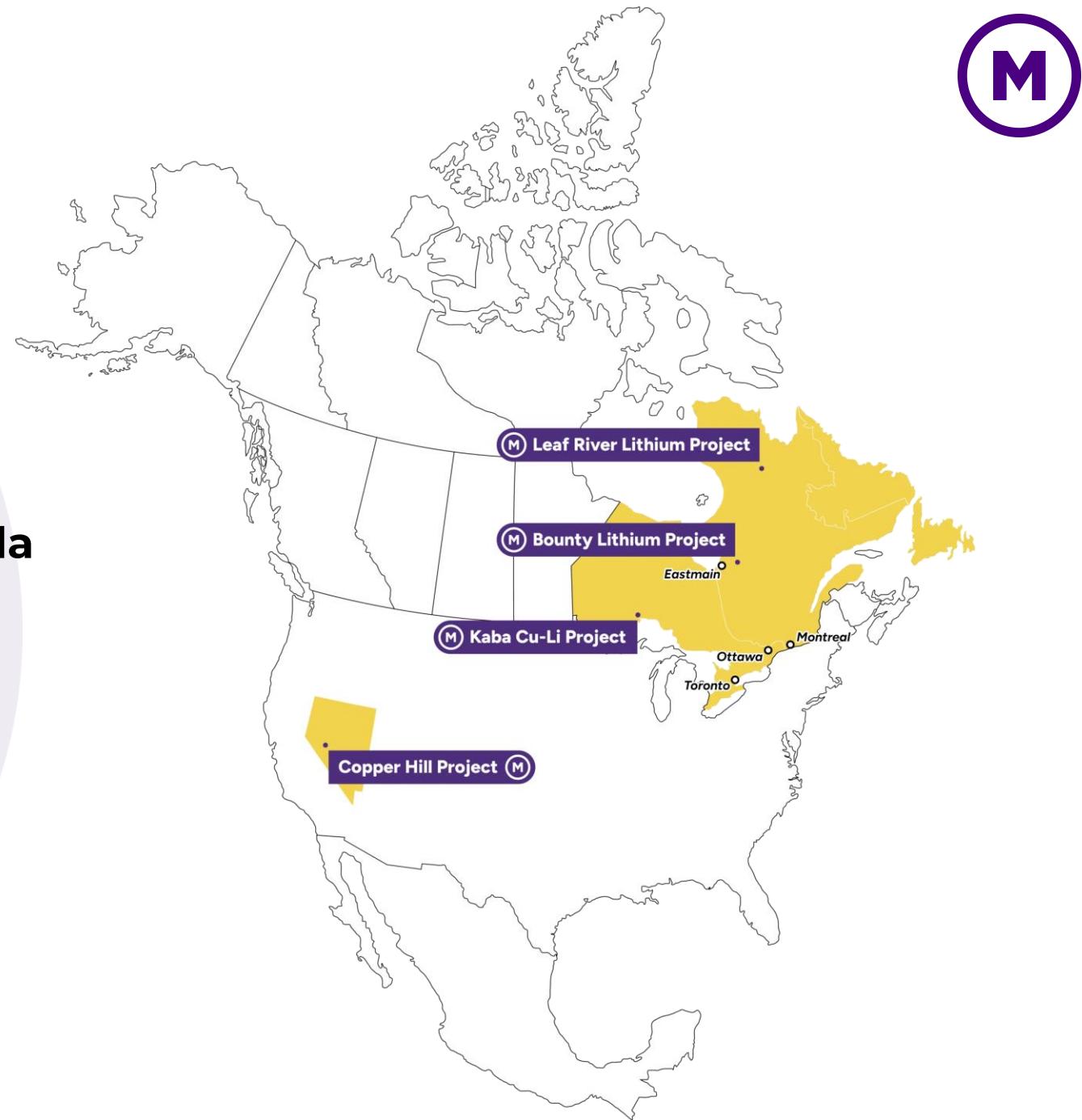
*“The voyage of discovery is not in seeking new landscapes but in having new eyes.”*

*- Thomas Edison*



# PROJECTS

- **COPPER HILL PROJECT**  
Copper-Gold in Nevada, USA
- **KABA PROJECT**  
Copper-Lithium in Ontario, Canada
- **BOUNTY LITHIUM PROJECT**  
Lithium in Quebec, Canada
- **LEAF RIVER LITHIUM PROJECTS**  
Lithium in Quebec, Canada



# COPPER



## Copper's critical role in modern technology

Copper is a versatile metal essential in various applications due to its excellent electrical conductivity, thermal conductivity, and resistance to corrosion. It is widely used in electrical wiring, electronics, plumbing, and in the construction industry for roofing and plumbing.

Additionally, copper plays a crucial role in renewable energy systems, including solar, wind power, and electric vehicles, where it is used in the production of generators, motors, and batteries. This broad range of uses underscores copper's importance in modern technology and sustainable development initiatives.

### Supply and Demand Challenges

The increasing demand for copper due to its role in clean energy contrasts with the constraints on supply, highlighting the need for new mining initiatives and investments.

### Copper's Role in Green Technology

It's essential for the development of electric vehicles and renewable energy infrastructure, facilitating the transition to sustainable energy sources.

### Investment Opportunities

Facts suggest that the growing demand for copper, coupled with supply challenges, presents significant investment opportunities in the copper mining and production sector.



# COPPER HILL PROJECT



Located within the prolific Walker Lane trend in southern Nevada, Copper Hill is situated one of the premier jurisdictions for precious metals mining in the world. Historic endowment within Walker Lane includes 50Moz Au, 700Moz Ag, and 4Mt Cu.

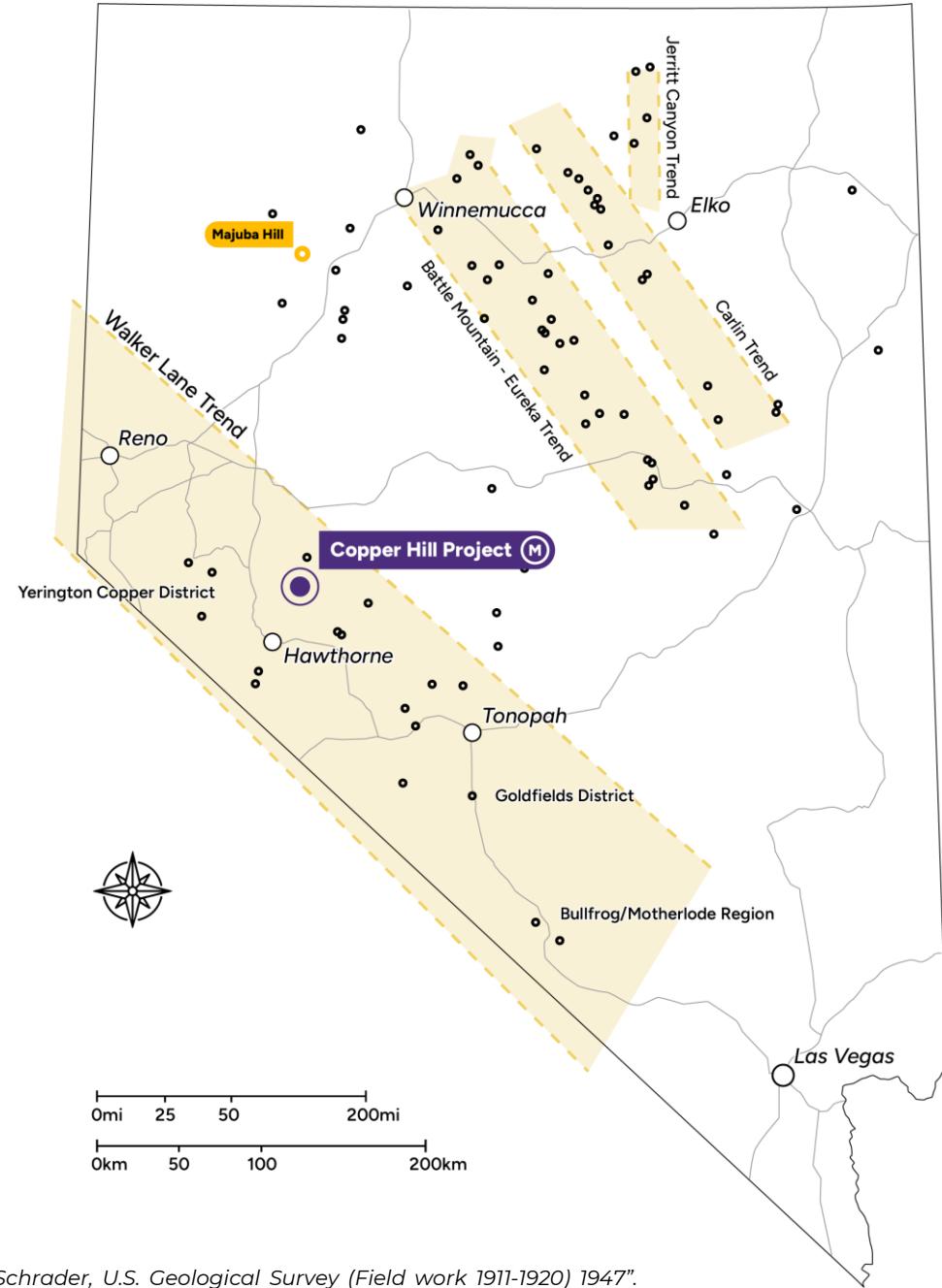
Copper Hill hosts copper-gold-molybdenum mineralization in both porphyry and skarn styled deposits in Mineral County, Nevada. The property consists of 108 mineral claims covering an area of 893-ha, located 22 miles north of Hawthorne, Nevada and is accessible using well-maintained County Roads.

The Project is centered on a Jurassic Age quartz monzonite porphyry intruding Triassic age Luning Limestone. The claims sit 33 miles east of the Yerington Copper District which hosts the Yerington Copper Mine (Anaconda 1952-1978), Ann Mason Deposit, Bear Deposit, MacArthur Deposit, and the Pumpkin Hollow Mine.

Historically at Copper Hill, reported high-grade copper was mined from underground shafts from skarn and porphyry-copper styled mineralization at the Copper Mountain Mine. Between 1914 to 1926 mining from the "Copper Mountain Mine" produced an estimated 1,000,000 pounds of copper from shallow underground workings. Historic reporting from the period of production describes ore zones of contact skarn- type and porphyry-type mineralization with shipping grades ranging from 3.5 to 11.0% copper\*.

The Copper Hill mineralizing system forms a topographic high surrounded and partially covered by younger volcanic rocks. Mineralization identified at Copper Hill are bornite, chalcocite, chalcopyrite, chrysocolla, copper-native, covellite, cuprite, gold, malachite, molybdenite, silver, sphalerite (rare), and tetrahedrite.

The Copper Mountain area was explored between 1959 to 1979 by Idaho Mining Corp. and Walker-Martel who conducted ground geophysics, underground mapping, prospecting and reported 6000 feet of Rotary drilling. Since that time ground magnetics were conducted in 2007. Rock sampling collected at this time returned values from select samples of 7.2% and 12.7% copper and 1.06 g/t gold and 1.19 g/t gold respectively.



\*Historic Mining information was summarized from an "Unpublished Report on the Carson Sink Area, Nevada by F.C. Schrader, U.S. Geological Survey (Field work 1911-1920) 1947". Manning Ventures cautions investors that the historic exploration and production information is believed to be accurate but has not been verified by a qualified person.

# COPPER HILL PROJECT

Manning recently completed gravity and soil geochemistry programs as precursors to drilling.

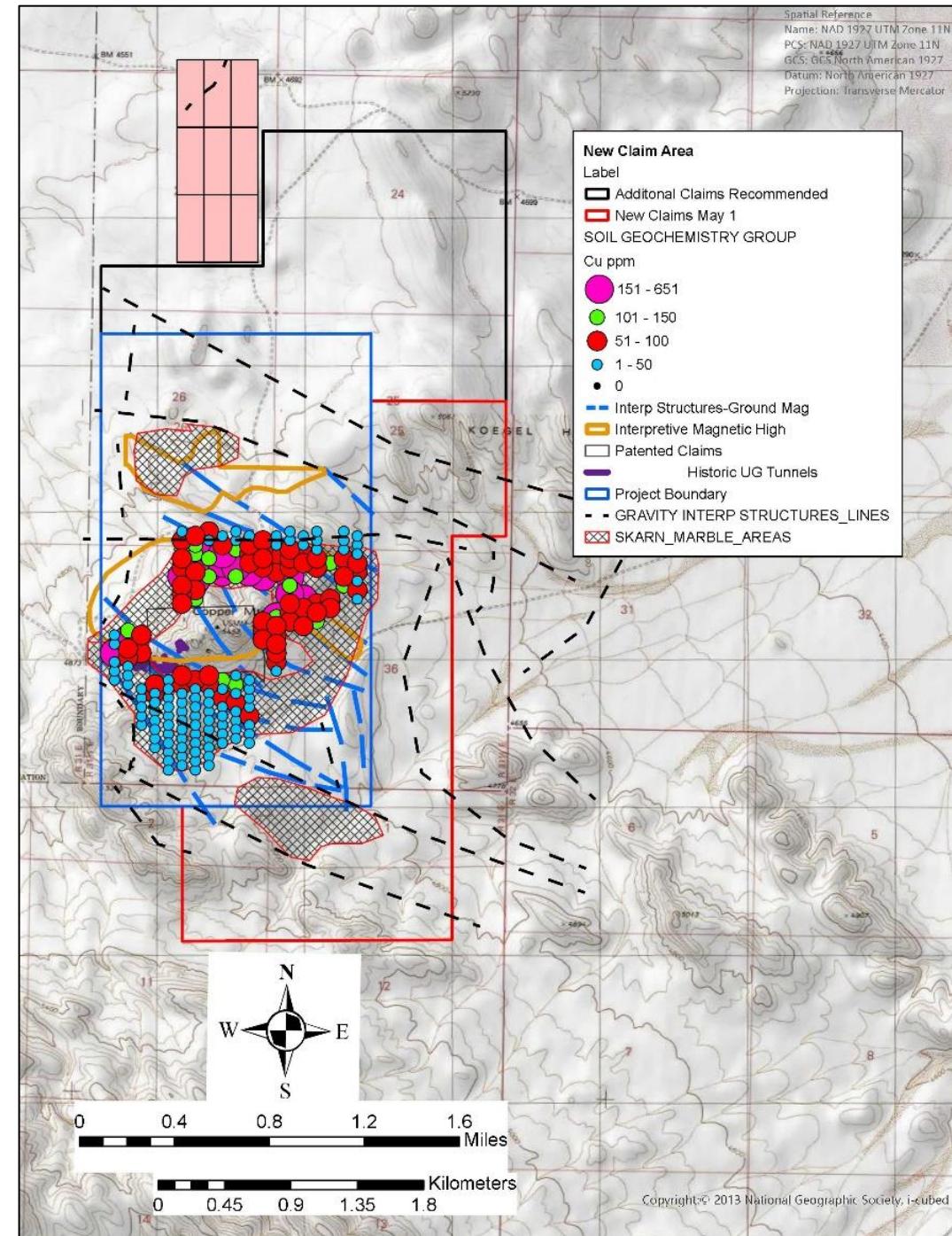
The soil geochemistry program consisted of collecting 216 samples along north-south lines trending lines spaced 90 meters (300 feet) apart with samples collect at stations spaced 60 meters (200 feet) apart.

The program was designed to test for and expand on the copper skarn mineralization that occurs at Copper Hill. This geochemical data was compiled with the recent gravity and historic magnetic data to aid the company in defining suitable targets to be tested by diamond drilling.

The results of the geochemistry survey identified two broad geochemical anomalous trends. On the northern portion of the grid a prominent east-west zone anomalous in iron, copper and gold, and in the southwestern portion of the grid a prominent northwesterly trending zone, anomalous in Tungsten, Molybdenum and Arsenic. Together these anomalous zones form a broad Halo encircling the mountain called Copper Hill.

The northern portion of the grid shows a broad east-west trending zone that is anomalous in copper, iron and gold. This trend extends for 800 meters east-west and is up to 200 meters wide. The zone is sub parallel with a number of interpreted structural lineaments identified by earlier magnetics surveys.

The second anomalous trend occurs on the southwestern portion of the grid where tungsten, molybdenum and arsenic appear more concentrated in a northwesterly trending zone parallel to the interpreted structural lineaments.



The **Lithium** rush is being impacted by:

**1** The exponential rise in EV sales which are becoming increasingly incentivized by governments

**2** Increasing number of battery mega factories (200 mega factories in the pipeline for 2030 – 60% of which are already operational)

**3** Price of batteries falling (80% decline since 2013)

There are two main forms of economic Lithium:

**Hard Rock Deposits** or **Brines**

Hard Rock Lithium:

- Typically, mineralization occurs as Lithium-Cesium-Tantalum (LCT) style spodumene bearing pegmatites.
- Lithium bearing rocks can be processed into either lithium carbonate or lithium hydroxide while brines can initially only be processed into lithium carbonate ( $\text{Li}_2\text{CO}_3$ ), which can then be further processed into lithium hydroxide ( $\text{LiOH}$ )
- Spodumene bearing pegmatites are important sources of hard rock lithium. With rising EV demand lithium hydroxide and lithium carbonatite prices have risen by over 200% during 2021. Despite the price rises the forecast lithium market imbalance will continue to increase dramatically in coming years  
(Allkem, CEO Presentation, 2021)

**81%**

of lithium consumption used in Batteries



# MARKET SECTOR



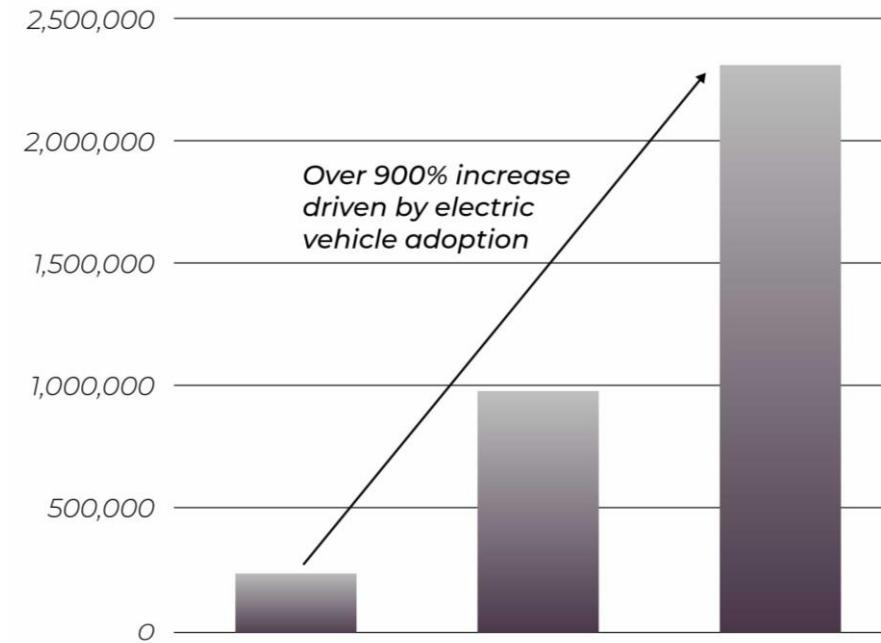
**It's the right time to develop lithium projects to meet the current supply gap, caused by the shift to battery powered vehicles and battery storage.**

Lithium-ion battery demand expected to increase by over 900% in the next decade

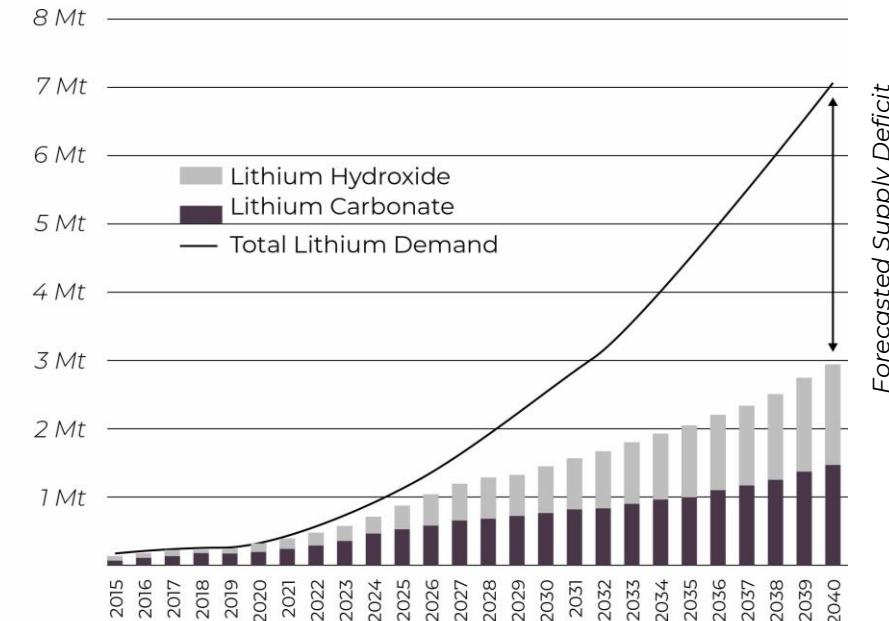
Lithium is a catalyst in the Electric Vehicle (EV) in the transition to clean energy

With 88% of global lithium production occurring in Australia, Chile & China, a new emphasis on North American lithium exploration is emerging to reduce the greater than 50% import reliance on lithium.

**Lithium Demand for Lithium-ion Batteries (tonnes)**



**Lithium Supply Forecast (Million tonnes LCE)**



# LEAF RIVER LITHIUM

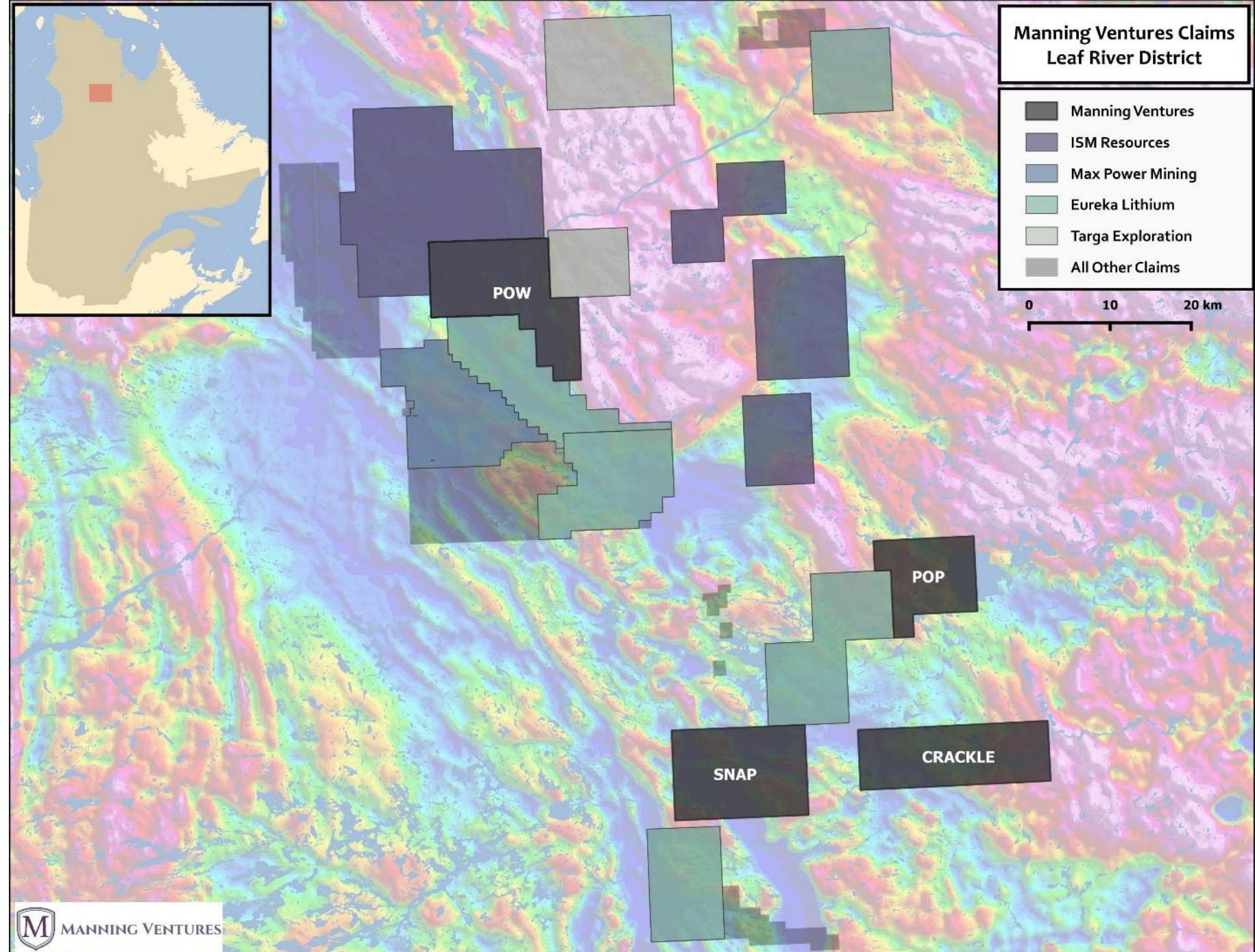
Manning controls a district-scale portfolio of exploration projects situated in the emerging Leaf River lithium camp. Leaf River is located 200 km WSW of the community of Kuujjuaq, Quebec.

The four separate projects, named “**Snap**”, “**Crackle**”, “**Pop**” and “**Pow**”, comprise a combined **65,785-hectares** (1,426 mineral claims). Several companies are now active in the area with multiple large land acquisitions having taken place in recent months.

The acquired claims cover some of the highest (99% percentile) lithium, cesium, and rubidium lake sediment anomalies in the entire Government du Quebec lake sediment database (SIGÉOM) that sit within favourable geological hosts of leucotonalites, granites, gneiss, and mafic basalts units.

The highly elevated lake sediment samples over favourable geology associated with regional magnetic structure and documented pegmatites represents an optimal environment for rare-element pegmatites.

The projects represent a pronounced area of extremely elevated rare-element lake sediment samples hosting documented pegmatites. These sample results, coupled with felsic intrusive activity in structurally prepared ground, provides high exploration merit.



# KABA Cu-Li



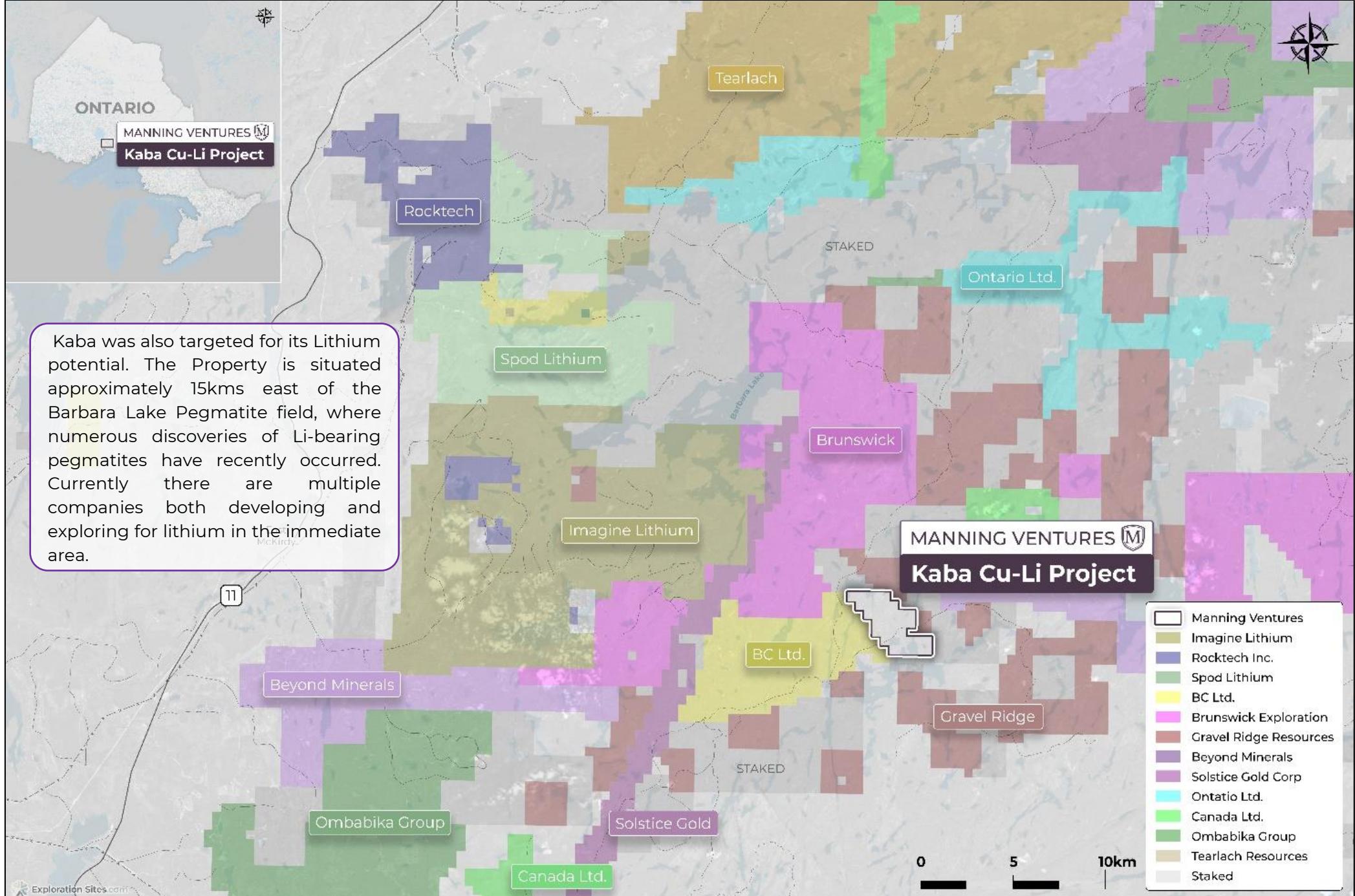
**The Kaba Project** is an approximately 2,600-hectare Copper-Lithium exploration property located 50km northeast of the town of Nipigon, in northwestern Ontario, Canada. Logging roads provide excellent access.

Ground and magnetic surveys were completed on the Kaba ground in 1968 by Anglo-American. Two anomalies, 275m and 180m long, were outlined by magnetics.

The EM survey indicated mineralization extended for 1200m. Drilling by Anglo highlighted 26.5m grading 1% Cu and 17.3m grading 0.54% Cu (MDI42E04NE00007).

Other intervals include 2.02% Cu over 4.27m and 1.26% Cu over 3.65m. Chip samples in 1979 by Stinson reported 0.32% Cu over 9.14m (AFRI 42E04NE8355).

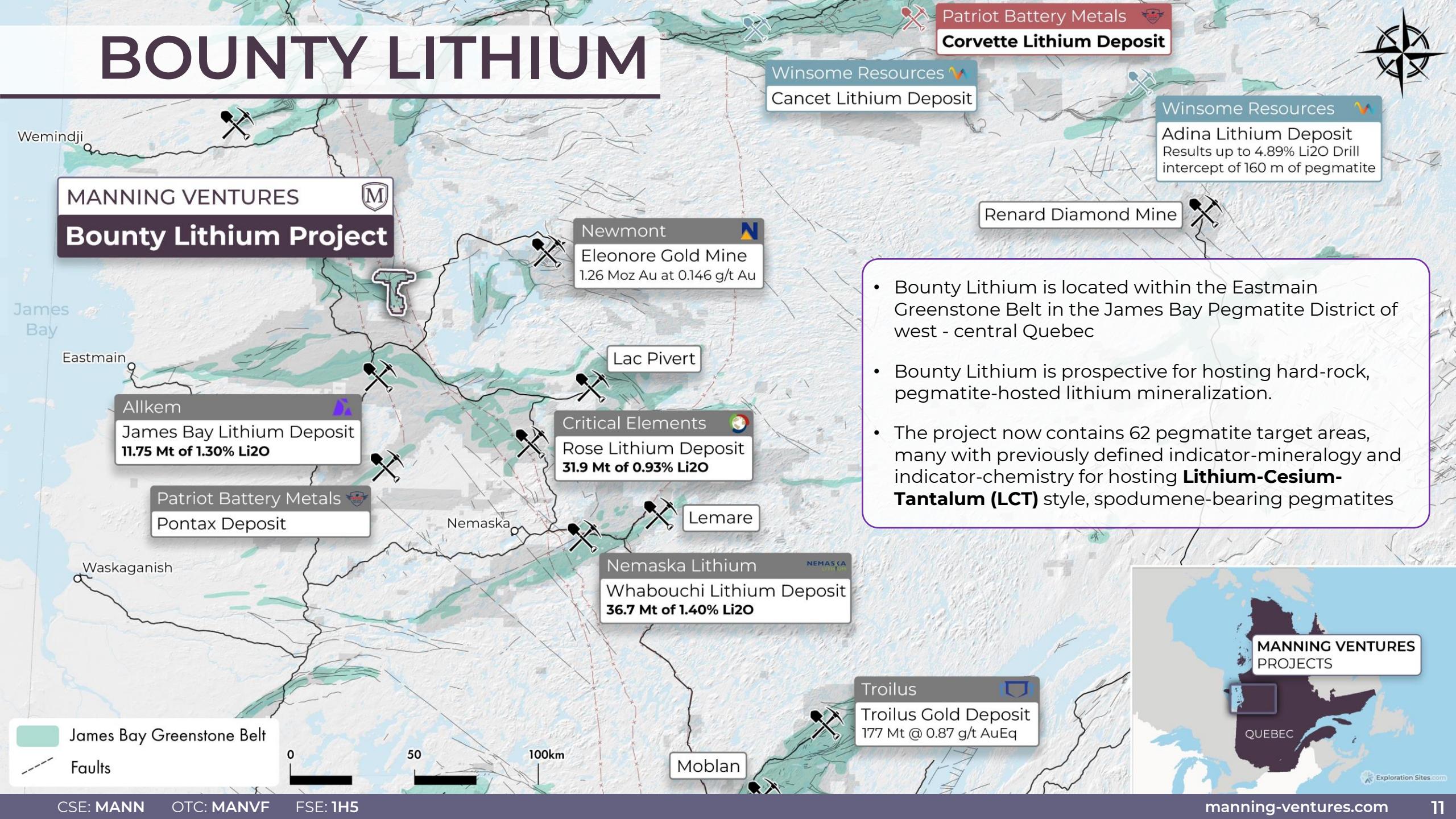
Kaba was also targeted for its Lithium potential. The Property is situated approximately 15kms east of the Barbara Lake Pegmatite field, where numerous discoveries of Li-bearing pegmatites have recently occurred. Currently there are multiple companies both developing and exploring for lithium in the immediate area.



# BOUNTY LITHIUM

Patriot Battery Metals

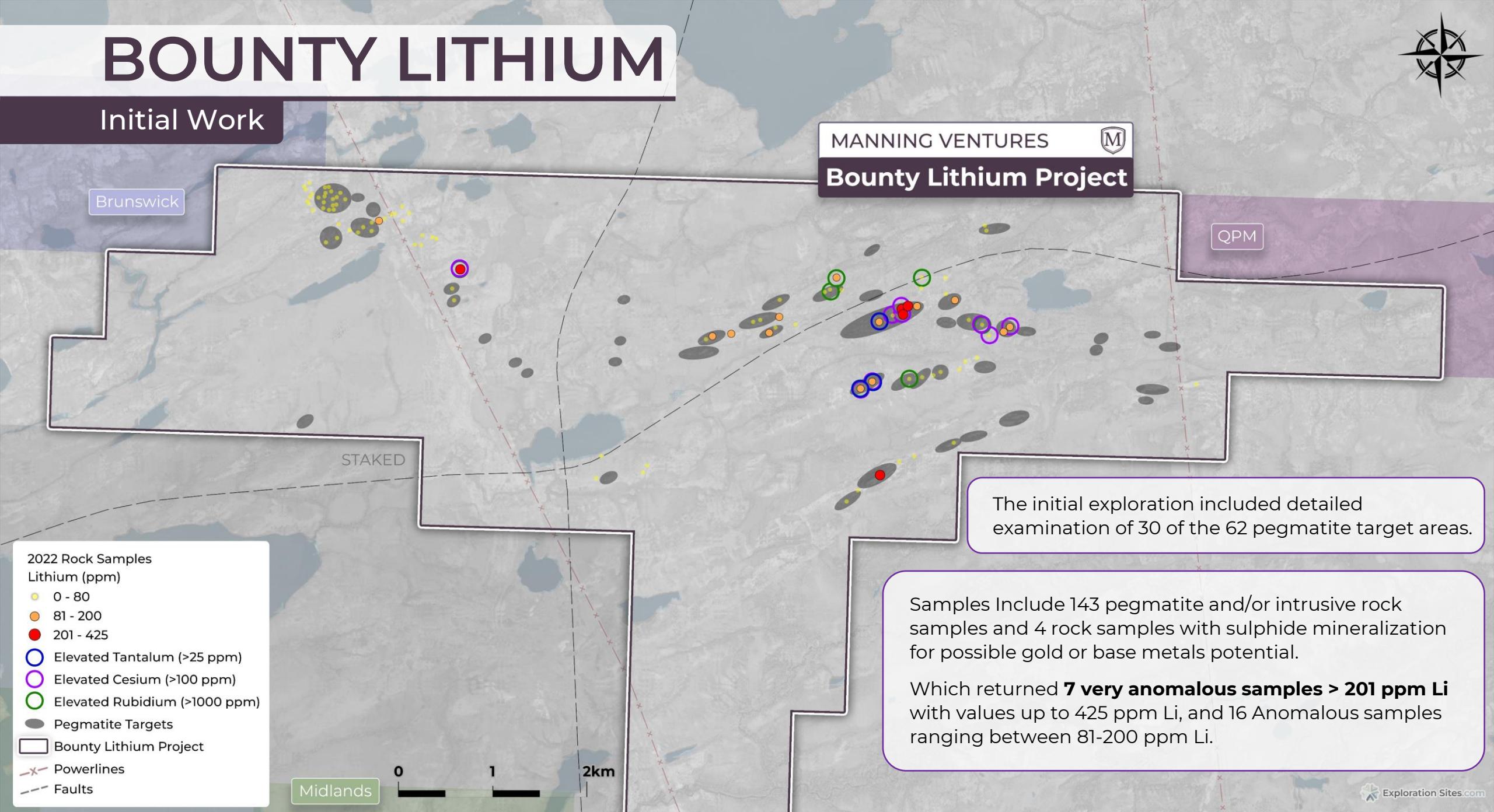
Corvette Lithium Deposit



# BOUNTY LITHIUM



## Initial Work



# DIPOLE

## Claim Detail

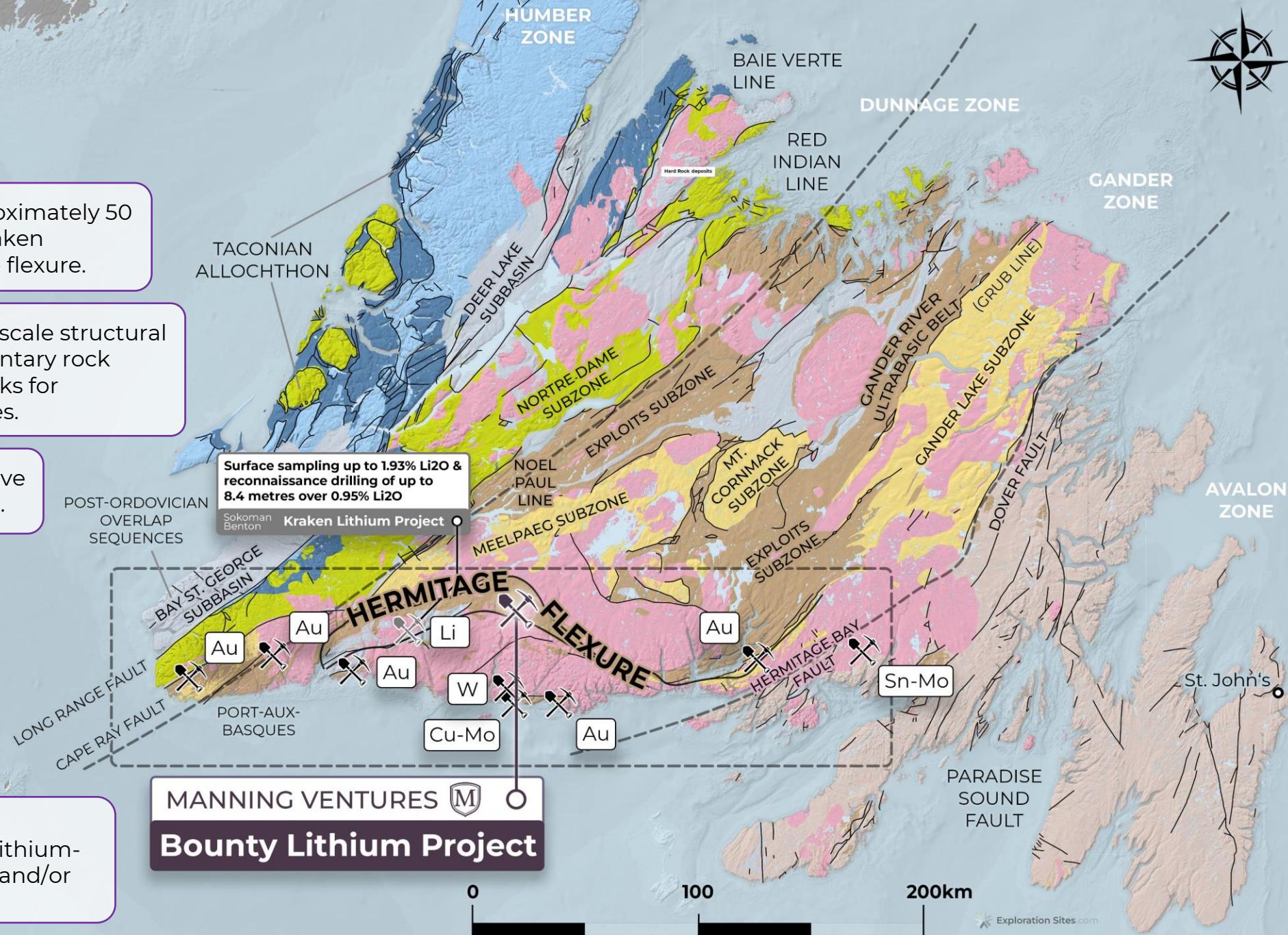
The Dipole property is located approximately 50 kilometres along strike from the Kraken discovery and within the Hermitage flexure.

The Hermitage flexure is a regional-scale structural corridor containing volcano-sedimentary rock units which are a favorable host-rocks for spodumene-bearing LCT pegmatites.

The property is host to several positive indicators for lithium mineralization.

The recent Kraken lithium zone discovery by of Sokoman Minerals Corp. and Benton Resources spurred an early 2022 regional metallogenic study of Southern Newfoundland by Dahrouge Geological Consulting

Their findings suggested the Dipole property is prospective for hosting Lithium-Cesium-Tantalum type pegmatite - and/or Tungsten mineralization



# MANAGEMENT



## ETIENNE MOSHEVICH

CHAIRMAN

Etienne Moshevich has been a capital markets advisor for over 12 years. Through his investor relations company, Transcend Capital Inc., he has been involved with numerous success stories in various sectors of the market. He has a Bachelor of Arts, majoring in economics from Whitman College in Walla Walla, Washington. Etienne enjoys playing tennis and running during his spare time.

## ALEX KLENMAN

CEO, DIRECTOR

Mr. Klenman is an experienced junior mining executive whose career spans over 30 years in the private and public sectors.

Over the past decade he has held and continues to hold leadership roles with several publicly traded resource companies, including senior officer and/or director positions with Leocor Gold, Azincourt Energy, Tisdale Clean Energy, and others. During his career as a marketing, communications, and finance consultant he has worked with companies such as Roxgold Inc, Forum Uranium, Integra Gold, Midnight Sun Mining, among others. He began his professional career in television broadcasting which evolved into communications, finance, and marketing roles principally for publicly traded companies.



# MANAGEMENT



## **BRIAN SHIN**

CFO

Mr. Shin specializes in providing financial reporting, corporate finance, auditing, corporate strategy, risk management and other accounting services to both public and private companies in various industries. He holds the professional designation of Chartered Professional Accountant (CPA) in B.C. and Canada and Certified Management Consultant (CMC). Mr. Shin has had extensive experience as a consultant, controller and auditor for numerous publicly traded and private corporations in several industries in multiple countries such as Canada, Hong Kong, and South Korea.

## **WAYNE REID, P.GEO**

*DIRECTOR*

Mr. Reid has over 40 years of experience in exploration and mining geology. He has held senior positions with Noranda Inc., Hemlo Gold Mines, Echo Bay Mines Ltd. and St. Andrew Goldfields Ltd. Mr. Reid was part of the team involved in the discovery of the Brewery Creek gold deposit in Yukon and the Boundary massive sulphide deposit/Duck Pond mine in central Newfoundland.

Mr. Reid holds a BSc in geology from Memorial University in Newfoundland and has a professional geologist designation from Professional Engineers and Geoscientists — Newfoundland and Labrador.

## **CHRISTOPHER COOPER**

*MBA, DIRECTOR*

Mr. Cooper has been a director of the Company since January 26, 2016. Mr. Cooper has extensive experience in senior management of both public and private companies. He has founded several resource companies internationally, as well as domestically. Mr. Cooper received his Bachelor of Business Administration from Hofstra University in Hempstead, NY and his Masters of Business Administration from Dowling College in Oakdale, NY.

## **CHARANJIT HAYRE**

*MBA, DIRECTOR*

Mr. Charanjit Hayre is a very experienced and successful entrepreneur helping start-ups in every stage of their development process. Mr. Hayre is currently Chief Operating Officer & Director at Taipak Enterprises Ltd. and Chief Operating Officer & Director at Easysnap NA. Mr. Hayre was previously employed as Independent Director by Iron Tank Resources Corp., Executive Vice President by Great Bear Resources Ltd., Chief Operating Officer by Asentus Consulting Group Ltd., and Senior Manager-Enterprise Risk Services Group by Deloitte & Touche LLP. He also served on the board at MAX Minerals Ltd.

# MANAGEMENT

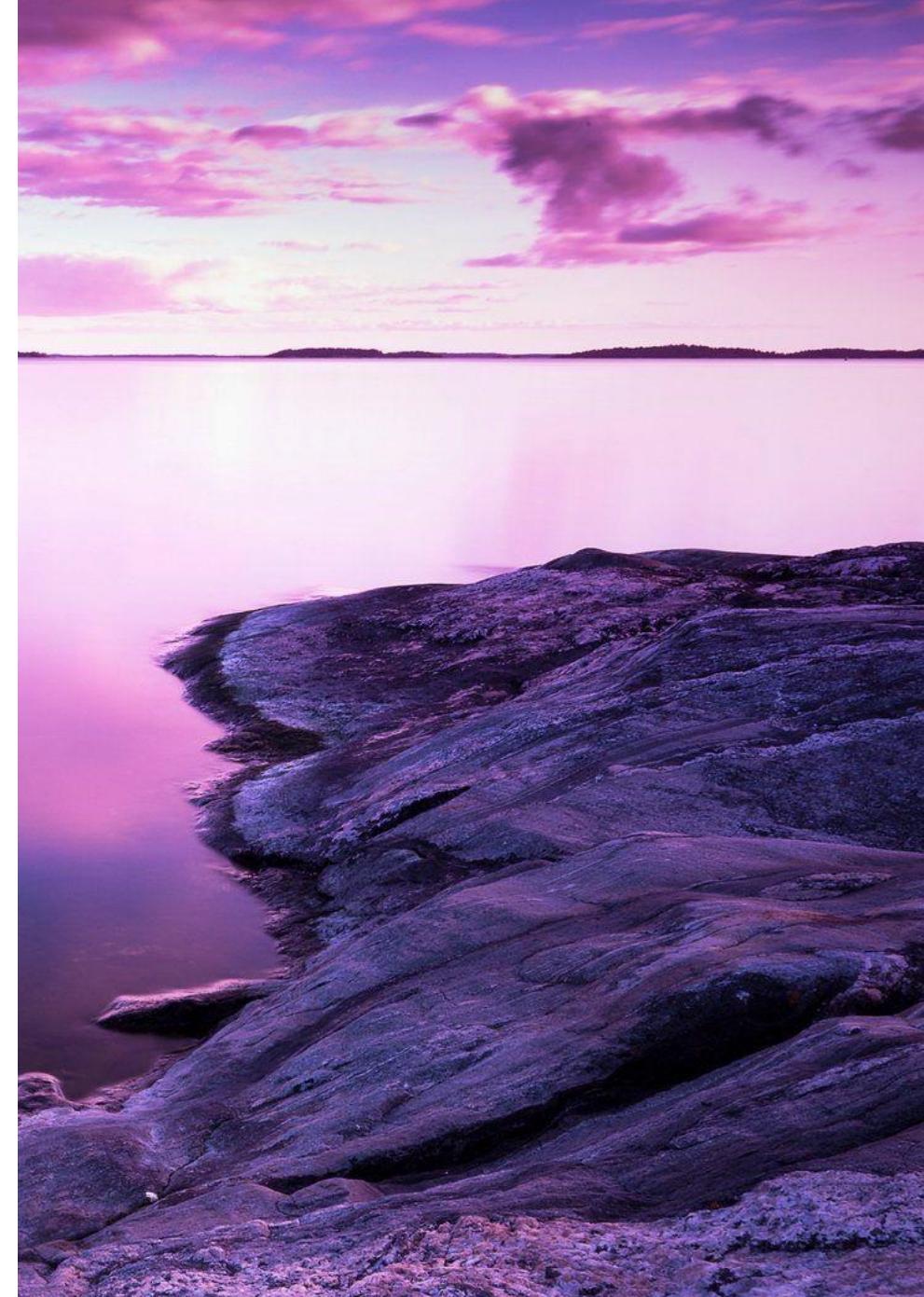
## NEIL MCCALLUM, P.GEO

TECHNICAL ADVISOR

Mr. McCallum is a professional geologist with over 18 years of experience in North America. He has managed a range of projects from grassroots prospecting to resource definition drilling and resource modelling.

Over his career, he has become an expert in the compilation of regional-scale metallogenic databases to generate new targets and gain a better perspective for project-scale targeting and acquisition. As a result, his specialty has led him to serve as an independent director for several public companies and launched numerous clients along successful paths to discovery.

Mr. McCallum has served as an independent director for several public companies and launched numerous clients along successful paths to discovery and resource definition. He has been involved in the identification and acquisition of early-stage lithium projects for the past 7 years across North America. In 2016, Mr. McCallum identified and staked the Corvette property for then 92 Resources (predecessor to Patriot Battery Metals) as a property to pursue for lithium exploration. Since that time, Patriot has grown to a CAD \$900+ million-dollar market cap company with one of the top tier lithium pegmatite projects in Canada.



# SHARE STRUCTURE



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**57,149,963**

Shares

**12,761,030**

Warrants

\$0.12 to \$.96

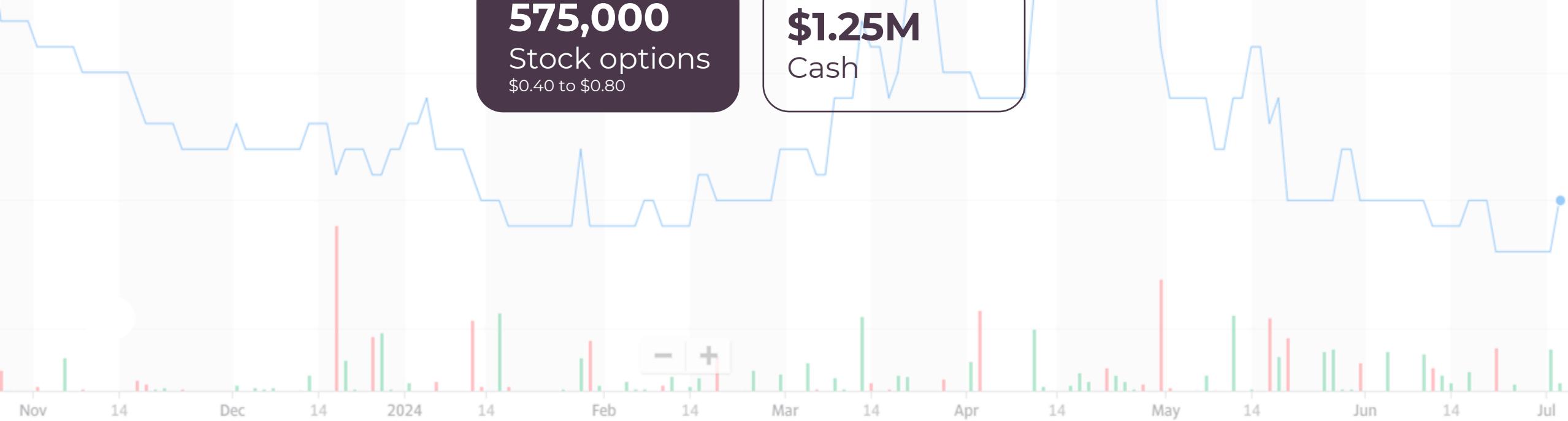
**575,000**

Stock options

\$0.40 to \$0.80

**\$1.25M**

Cash





# MANNING VENTURES

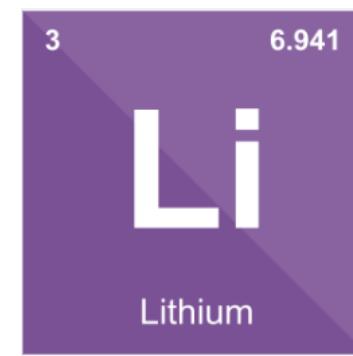
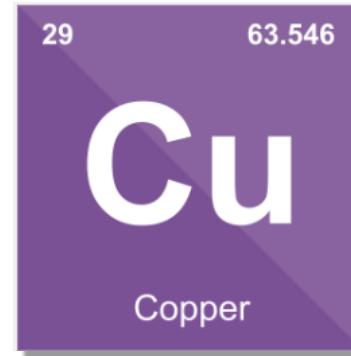
## CONTACT

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