

**GLOBAL BATTERY METALS**

# **VALUE CREATION THROUGH THE EXPLORATION OF LITHIUM & BATTERY METAL PROJECTS**

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**TSX.V: GBML | OTCQB: REZZF | FSE: REZ**

**January 2023**

# FORWARD-LOOKING STATEMENTS

## Forward-Looking Information

Except for statements of historical fact, this presentation contains certain “forward-looking information” or “forward-looking statements” within the meaning of applicable Canadian and United States securities legislation. Forward-looking information is frequently characterized by words such as “plan”, “expect”, “project”, “intend”, “believe”, “anticipate”, “estimate” and other similar terms, or statements that certain events or conditions “might”, “may”, “could” or “will” occur. In particular, forward-looking information in this presentation includes, but is not limited to, statements with respect to the future prospects for lithium, lithium batteries and the energy storage market, emergence of electric vehicles and other technologies driving lithium demand, future growth of lithium market, our expectations about the prospects of Leinster and Laura projects, and future plans and objectives of Global Battery Metals Ltd. (the Company”). Forward-looking statements are based on the opinions and estimates of management at the date the statements are made, and are subject to a variety of risks, uncertainties and other factors that could cause actual events or results to differ materially from those anticipated in the forward-looking information. Some of the risks and other factors that could cause results to differ materially from those expressed in the forward-looking statements include, but are not limited to: general economic conditions in Canada, the United States and globally; industry conditions, including the state of the electric vehicle market; governmental regulation of the mining industry, including environmental regulation; geological, technical and drilling problems; unanticipated operating events; competition for and/or inability to retain drilling rigs and other services; the availability of capital on acceptable terms; the need to obtain required approvals from regulatory authorities; stock market volatility; volatility in market prices for commodities; liabilities inherent in the mining industry; the future developments of the COVID-19 global pandemic; changes in tax laws relating to the mining industry; and the other factors in our public filings available at [www.sedar.com](http://www.sedar.com). Readers are cautioned that this list of risk factors should not be construed as exhaustive. The forward-looking information contained in this presentation is expressly qualified by this cautionary statement. We undertake no duty to update any of the forward-looking information to conform such information to actual results or to changes in our expectations, except as otherwise required by applicable securities legislation. Readers are cautioned not to place undue reliance on forward-looking information.



## Certain Other Information

Certain information in this presentation was obtained from third party sources, including public sources, and there can be no assurance as to the accuracy or completeness of such information. Although believed to be reliable, management of the Company has not independently verified any of the data from third party sources unless otherwise stated.



## Technical Information

All other scientific and technical information in this presentation has been reviewed and approved by Vaughan Williams M.Sc. Eur. Geo, P.Geo, who is a qualified person under National Instrument 43-101 and who is not independent of the Company as he is a Director of a related party (LRH Resources Limited the JV partner to the project).



**All information contained in this presentation is subject to the more detailed and complete information contained in the Company’s continuous disclosure documents available at [www.sedar.com](http://www.sedar.com).**

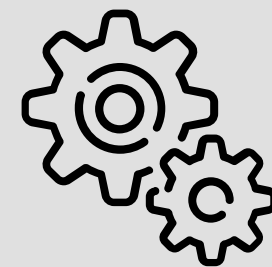
# INVESTMENT THESIS

Global Battery Metals is at the heart of the global clean energy transition with a growth-oriented portfolio of battery metals projects.



## Focused on Tier 1 Jurisdictions

GBML has secured prospective properties in the Tier 1 jurisdictions of the US, Ireland, Canada & Peru.



## Purpose-Built

GBML acquired all its projects prior to the recent surge in demand for critical minerals driven by the clean-energy transition. Low-entry cost projects with high performance potential.



## Strong Leadership Team

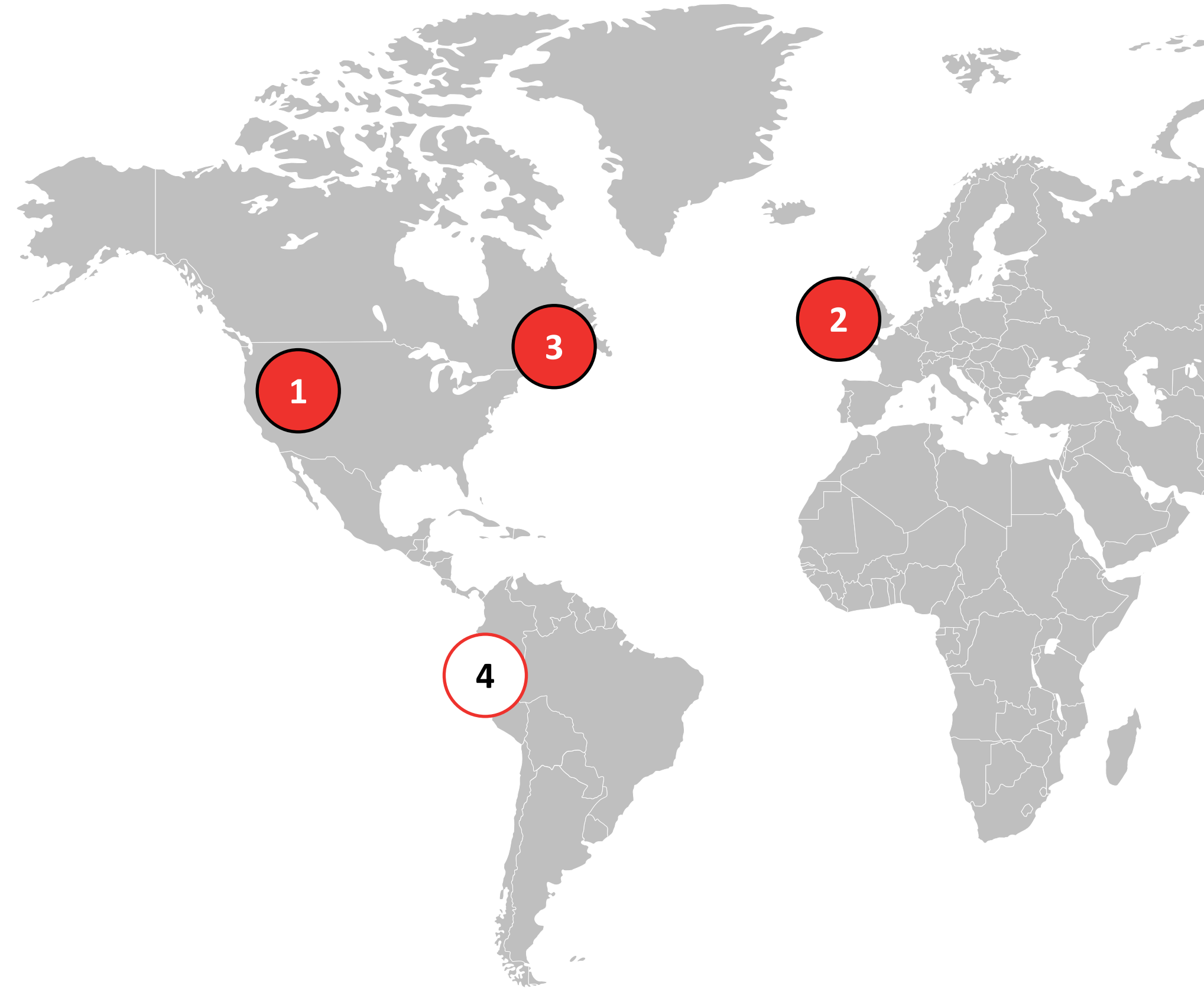
Proven track record of value creation. The team has extensive expertise in financing, geology and engineering, to mining exploration, development and production.



## Prospective Portfolio

Each property is unique and all check stringent requirements that have potential for excellent economics. They are all contained within mining friendly jurisdictions and have historical work completed.

# CURRENT PORTFOLIO



## 1. Lithium King (US)

- Federal Placer claims comprising of 7km<sup>2</sup>
- Drill permits in place with drill prep underway for Spring 2023
- USGS shallow drill results up to 1,200 ppm

## 2. NW Leinster (Ireland)

- 16 Prospecting licenses comprising 529 km<sup>2</sup>
- Earn-in option for 90%, €1.75M commitment
- Sampling results of 0.70% Li<sub>2</sub>O to 2.95% Li<sub>2</sub>O at Knockeen and Carriglead have been reported previously
- Pegmatite dyke recently identified; new assay results as high as 3.75% Li<sub>2</sub>O

## 3. La Poile (Canada)

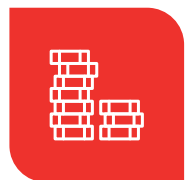
- 320 claims comprising 80 km<sup>2</sup>
- Nearby a recent discovery, our soil samples are higher
- Field work initiated, to continue in Spring 2023

## 4. Lara Copper Asset (Peru) 55% Owned

- GBML has optioned the Lara Asset to Minsur
- Minsur is a large Peruvian mining company
- 0.75% NSR retained along with 55% of \$5.75M in payments with the first two already made



**Lithium**



**Monetizing**



GBML is a Tier 1 jurisdiction focused, mineral exploration company focused on the discovery and development of battery metals deposits

# EXPLORATION STATUS OF OUR PROJECTS

	Lithium King	NW Leinster	La Poile	Lara
Phase 1: Acquire Claims	✓	✓	✓	✓
Phase 2: Mapping and Sampling	✓	✓	Ongoing - Phase 1 Complete	✓
Phase 3: Prospecting, Magnetics & Geochemistry	✓	Ongoing		✓
Phase 4: Drill Targets & Drill Planning	✓	Ongoing		✓
Phase 5: Drilling		Preparation underway for Spring 2023		✓
Phase 6: In-fill drilling				✓
Phase 7: Discovery				✓

# LITHIUM KING

## Drill-Ready

### SUMMARY

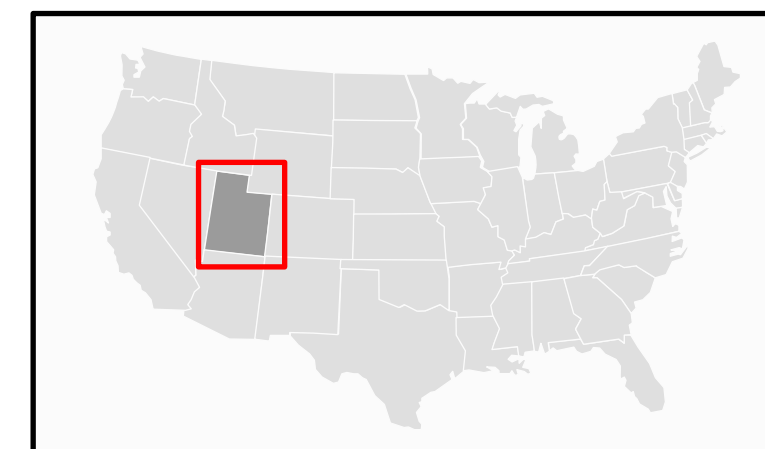
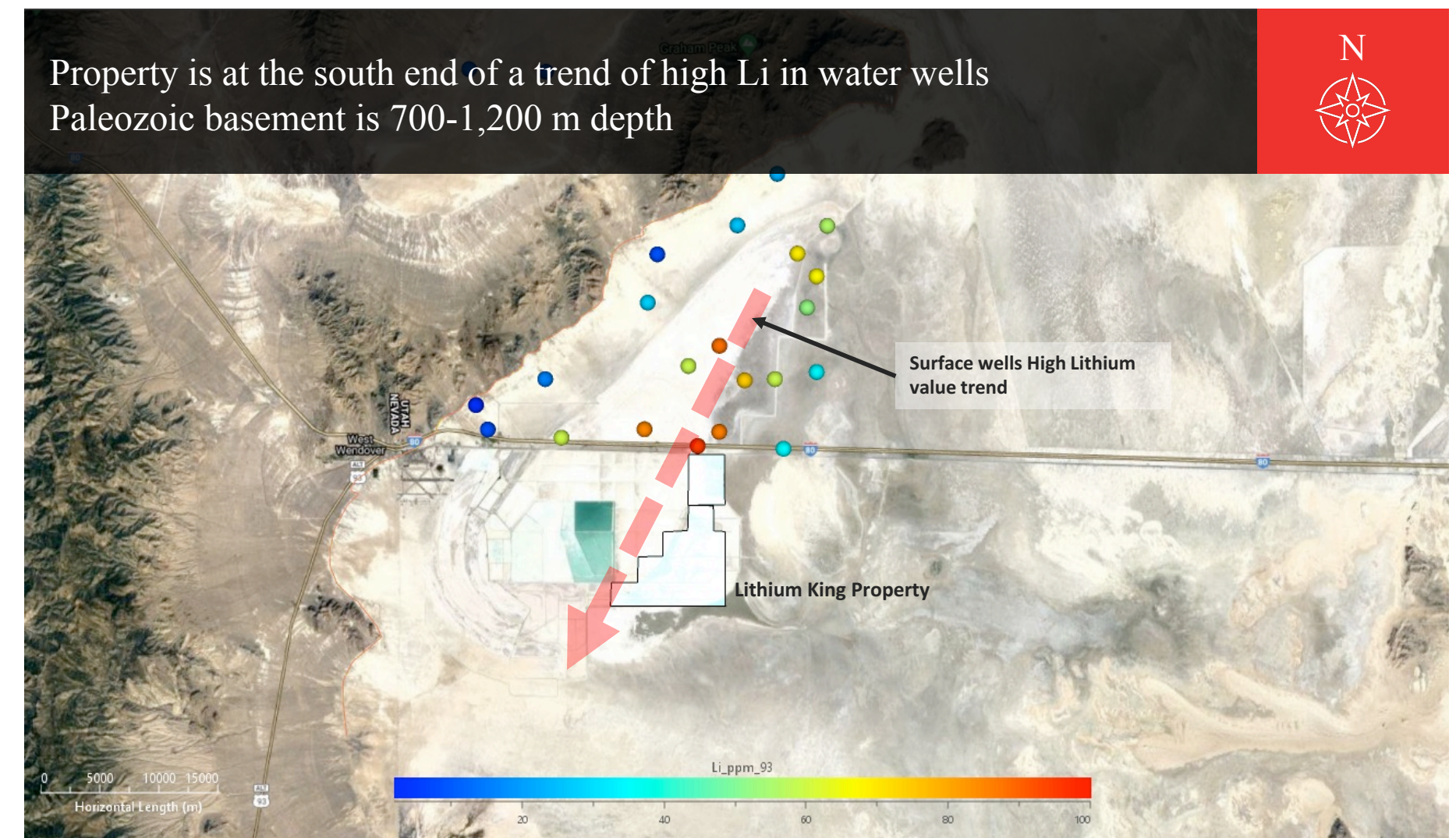
<b>Property</b>	Pre-resource lithium bearing brine aquifer.
<b>Location</b>	Pilot Valley on the west margin of Bonneville salt flats, Utah ~170km West of Salt Lake City.
<b>Land Package</b>	1,420 acres of placer claims.
<b>Infrastructure</b>	West Wendover has population of ~4,000, with infrastructure to support a mining operation. GBML's neighbor is a potash producer. I-80 runs through the property.

### KEY HISTORICAL RESULTS

Historical surface water sampling from shallow drill holes (**0-25 feet**) by the USGS between **1972** and **1993** identified anomalous Lithium values ranging from **2 ppm to 1,200ppm\***.

### GEOLOGY

- The interpretation of the key horizon was used to generate a reservoir model in which the surface water sample values for Li ppm were extrapolated.
- Paleozoic basement is 700-1,200 m depth
- Property is at the south end of a trend of high Li in water wells. Li is believed to move with fluids along basement-bounding faults forming a graben structure



Utah is a Tier 1 mining and exploration jurisdiction. Nearby to the Lithium King project is a producing potash mine.

\*Surface water samples may not reflect the basin brine's composition and drilling with brines sampling is needed to confirm the presence of Lithium in the basin brines.

# LITHIUM KING

## Value Creation

### COMPLETED

2023

### PLANNED | TIMING TBD

- ✓ Locate and digitize existing Oil well data to help in the modelling of the basin.
- ✓ Acquisition of public domain geophysical datasets. This will help in improving the subsurface structural and geological model. A depth to basement modelling exercise has been conducted.

- Drilling to test for: Stratigraphy, Brine composition and Production metrics. The drilling permit has been granted. Exploration mud rotatory drilling with wireline geophysics to evaluate the stratigraphy and basement depth for the Property area will be completed.
- Water sampling of drill holes using in-hole packer equipment to test for Lithium enrichment and deleterious element content of the brine.
- Further geophysical data acquisition to assess basement depth, water content and brine depth throughout the basin. This will be conducted by a combination of gravity and EM data acquisition

- Once drilling has been completed and assay results are returned, we aim to produce a 43-101 compliant mineral resource estimate.
- GBML will explore using Direct Lithium Extraction (DLE) technology to process brine at the Lithium King project. It is a low-cost and sustainable technology.

# NW LEINSTER

## Hard Rock Lithium

### SUMMARY

<b>Property</b>	Pre-resource hard rock spodumene-bearing pegmatite project
<b>Location</b>	Ireland adjacent to Ganfeng's Avalonia asset
<b>Land Package</b>	130,719 acres consisting of 16 prospecting licenses.
<b>Infrastructure</b>	Excellent. Nearby town, power and water.

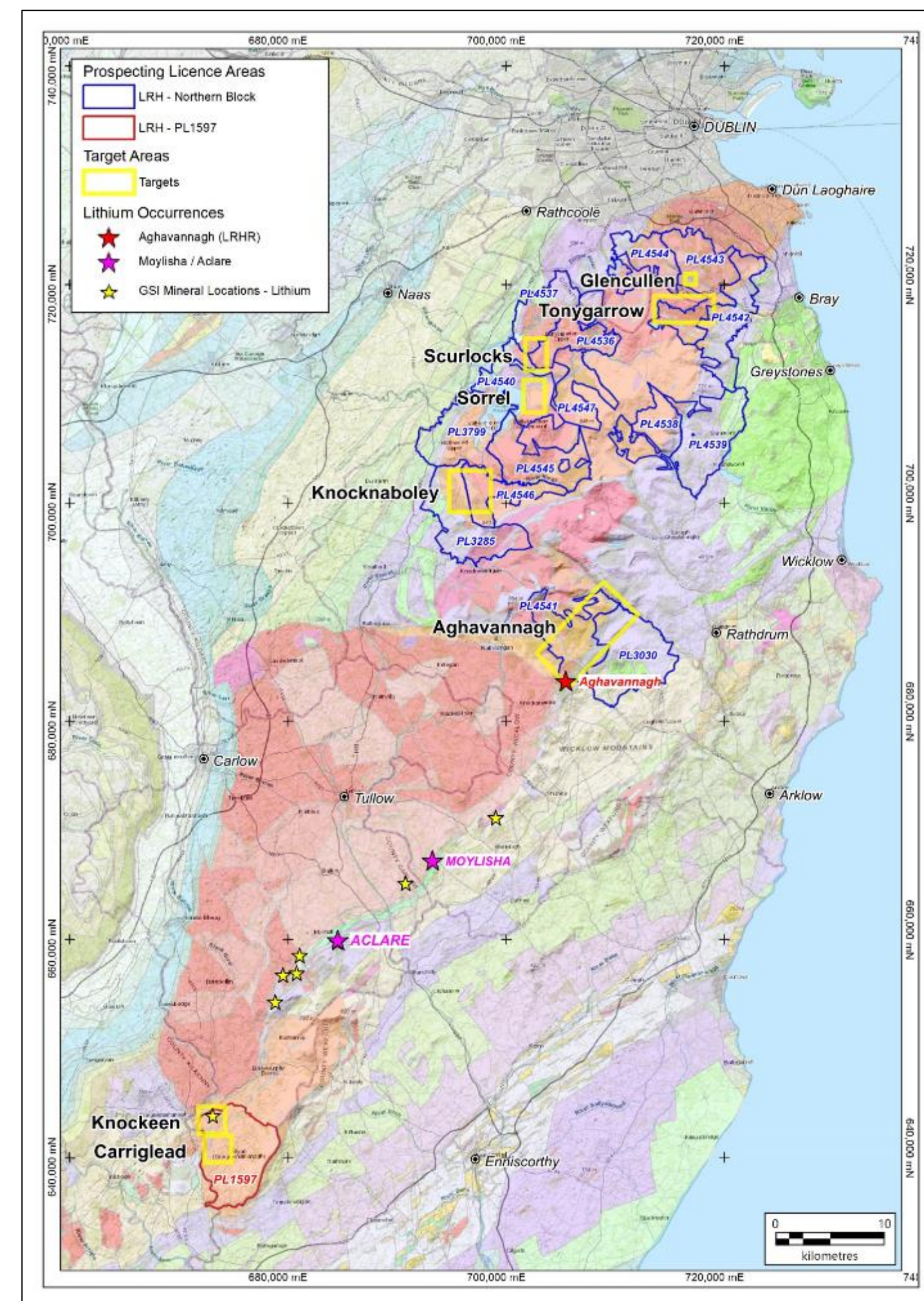
### KEY HISTORICAL ASSAY RESULTS

- 2016:** 0.64% Li<sub>2</sub>O in aplite at Scurlocks
- 2018:** 1.66% Li<sub>2</sub>O in spodumene bearing pegmatite at Sorrel
- 2019:** 1.0% Li<sub>2</sub>O in spodumene bearing pegmatite at Tonygarrow
- 2019:** 1.78% Li<sub>2</sub>O in spodumene bearing pegmatite at Aghavannagh
- 2019:** 1.26% Li<sub>2</sub>O in spodumene bearing pegmatite

### HISTORICAL RESULTS

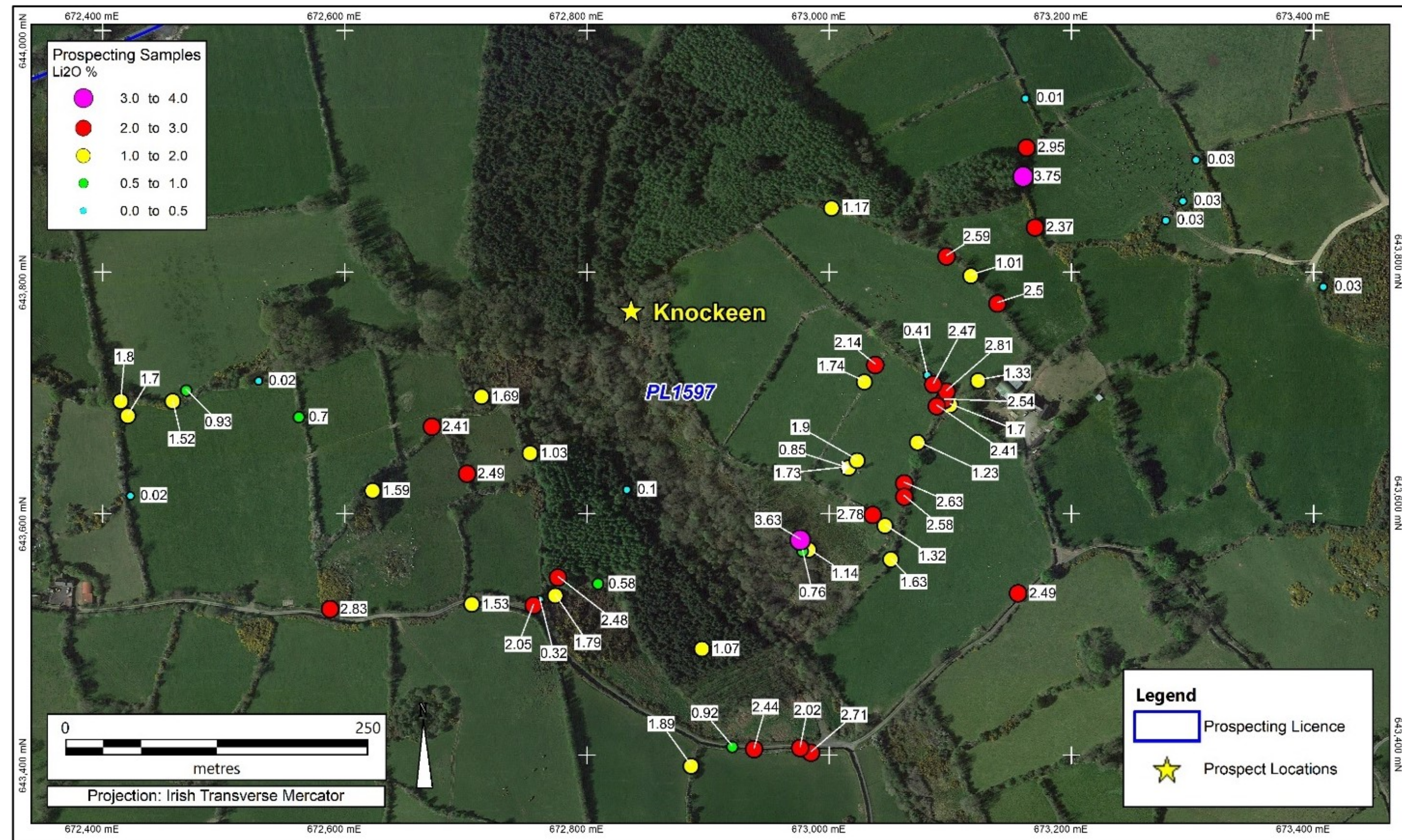
- The Government of Ireland previously carried out a regional stream sediment sampling program. The results showed that in a regional context the NW Leinster Project area has comparably higher Li anomalies compared to Ganfeng's adjacent asset to the southwest of the Leinster Massif.
- The project is adjacent to Ganfeng's Avalonia asset, which has reported intercepting economic grade\* lithium spodumene-bearing pegmatites.

\*The Aclare deposit (part of International Lithium Corp. -- Ganfeng Lithium Co. Ltd.'s joint venture Avalonia project) reportedly comprises a 20m wide spodumene pegmatite zone with a historical resource estimate of 570,000 tonnes, grading 1.5 percent Li<sub>2</sub>O. The strike length of the primary target zone is approximately 550m, with best intersections of 2.23 percent Li<sub>2</sub>O over 23.3m, including 3.43 percent Li<sub>2</sub>O over 6m (see International Lithium website for more).



## December 2022 Follow-Up Sampling Highlights - Knockeen & Carriglead

Sample_ID	Li_ppm	Li <sub>2</sub> O%*
AES63003	17,410	3.75
AES63033	16,860	3.63
AES63519	13,160	2.83
AES63015	13,050	2.81
AES63029	12,920	2.78
AES63042	12,580	2.71
AES63014	12,200	2.63
AES63021	12,040	2.59
AES63018	11,980	2.58
AES63011	11,820	2.54
AES63023	11,620	2.50
AES63028	11,580	2.49
AES63041	11,570	2.49
AES63037	11,510	2.48
AES63016	11,460	2.47
AES63044	11,340	2.44
AES63012	11,180	2.41
AES63008	9,920	2.14
AES63048	9,520	2.05
AES63043	9,360	2.02



## Value Creation

### COMPLETED

### IN PROGRESS

#### 2021

- ✓ 12.5km ground Mag survey complete
- ✓ Deep overburden soils with Li/Ta/Cs anomalies along granite/Ordovician sediment contact where a pegmatite dyke swarm occurs
- ✓ 3 holes totaling 625 m drilled in 2021
  - No significant spodumene or Li in pegmatite
  - Intersected major dyke swarm
  - Anomalous Li in biotite grains in pegmatite (1500-2638 ppm) indicating possible proximity to Li mineralization
  - Source of spodumene pegmatite not located

#### 2022

- ✓ Target prospecting at Knockeen & Carriglead
- ✓ 66 total surface samples analyzed, assay results show that 47 returned grades above 1%  $\text{Li}_2\text{O}$  - with grades as high as 3.75% and 3.63% (source: ALS Laboratories - Loughrea, Ireland)
- ✓ Knockeen: Out of a total of 56 samples, 41 samples graded above 1%  $\text{Li}_2\text{O}$ , of which 20 graded above 2%  $\text{Li}_2\text{O}$  and of which two graded above 3%  $\text{Li}_2\text{O}$  (Sample AES 63003 (3.63%  $\text{Li}_2\text{O}$ ) and Sample AES 63033 (3.75%  $\text{Li}_2\text{O}$ ))
- ✓ Carriglead: out of a total of 10 samples, six sample graded above 1%  $\text{Li}_2\text{O}$ , of which one sample analyzed above 2%  $\text{Li}_2\text{O}$  (Sample AES63504 (2.09%  $\text{Li}_2\text{O}$ ))

#### 2023

- Deep overburden results expected to be returned in January/February.
- We have **identified a pegmatite dyke which may have been the source of the lithium bearing pegmatite boulders**. Work has started to test this theory.
- Once the project has been mapped and prospected GBML will begin a drilling campaign.

# LA POILE LITHIUM PROPERTY

## SUMMARY

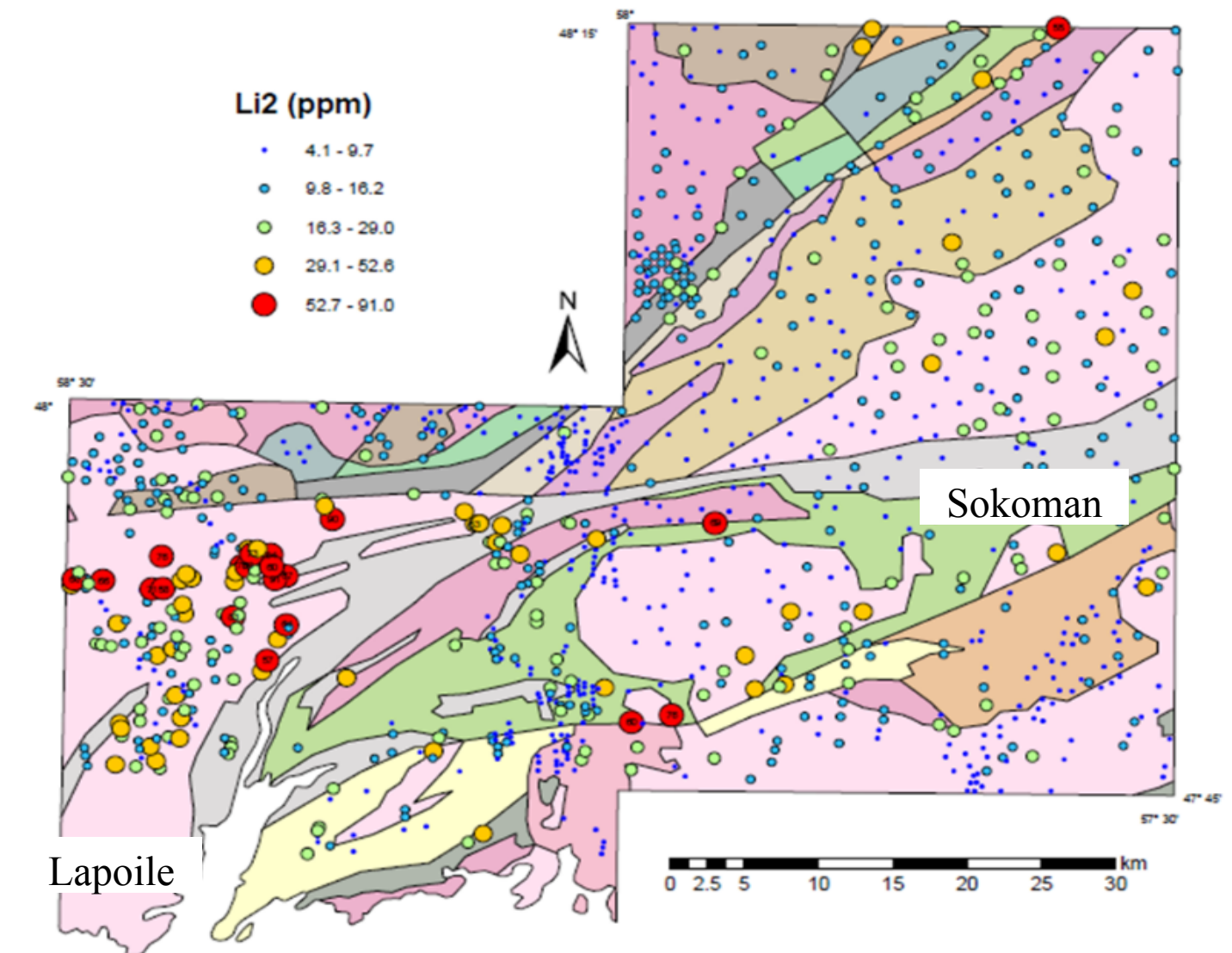
<b>Property</b>	Pre-resource hard rock lithium-bearing pegmatite project.
<b>Location</b>	Newfoundland near the Golden Hope Project.
<b>Land Package</b>	19,768 acres consisting of 320 claims.
<b>Infrastructure</b>	Helicopter access.

## KEY HISTORICAL RESULTS

- Sokoman/Benton Li discovered swarm of Lithium-bearing pegmatites on their nearby Golden Hope Project results released on Oct 18, 2022, include: 0.60% Li<sub>2</sub>O over 20.82 m (46.00 m – 66.82 m), incl. 1.16% Li<sub>2</sub>O over 5.50 m, incl. 1.43% Li<sub>2</sub>O over 2.68 m on their Kraken Project
- 31% of the pegmatite samples gave values >1% Li<sub>2</sub>O with anomalous Beryllium, Cesium, Rubidium and Tantalum
- Government till sampling on Keat's property shows Li values in the 29.1-52.6 ppm range (higher than the Sokoman/Benton discovery area)
- High Li values appear to be related to granitic rocks of the Silurian/Devonian (416 Ma) LaPoile Batholith

## EXPLORATION STRATEGY

- GBML discovered pegmatite dykes and while initial samples were not Li-bearing, the team plans to conduct a more comprehensive Phase II sampling program Spring 2023 believing that recent results may help provide vectors to lithologies hosting Li mineralization in other licensed areas.



Newfoundland is a Tier 1 mining and exploration jurisdiction. La Poile is nearby the Golden Hope Project.

# LARA COPPER ASSET

Through Minas Dixon, GBML's 55 percent-owned Peruvian subsidiary has granted Minsur the option to acquire the property.

In addition to these payments, GBML holds a 0.75% NSR on the property.

Minsur operates a \$1.3 billion mine approximately 20 km away from Lara—an 1800 hectare property.

Lara Drill highlights:



108 meters at 0.9%  
CuEq\*



218 meters at 0.81%  
CuEq\*

\*Copper equivalents represent (Cu-Eq%) the value for each metal multiplied by the conversion factor, summed and expressed in equivalent copper grades. These results are exploration results only and no allowance is made for metallurgical recoveries. The conversion factors used were: CuEq (%) was calculated using US\$2.80 per pound of copper and US\$16 per pound of molybdenum.  $\text{CuEq} = \text{copper \%} + (\text{Mo\%} \times 5.71428571)$

## TERMS

Milestone/Date	Option Payments (\$US)
Upon Registration of the Agreement before Public Notary	59,000 (PAID)
One year from Registration of the Agreement	200,000 (PAID)
Approval of Environmental Study and Start of Work ("DIA-IA")	200,000
One year from approval of the DIA-IA	300,000
Approval of Semi-Detailed Environmental Study ("EIA-SD")	500,000
One year from approval of the EIA-SD	1,500,000
Upon transfer of Title	3,000,000
Total	5,759,000

\*The numbers are on a 100% basis

# CAPITALIZATION & OWNERSHIP



## Market Capitalization

Share Price (January 20, 2022)  
**C\$0.16**

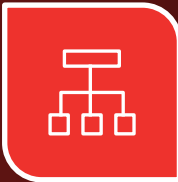
52 Week Range  
**C\$0.35-C\$0.09**



## Share Structure

Shares Outstanding  
**67.7M**

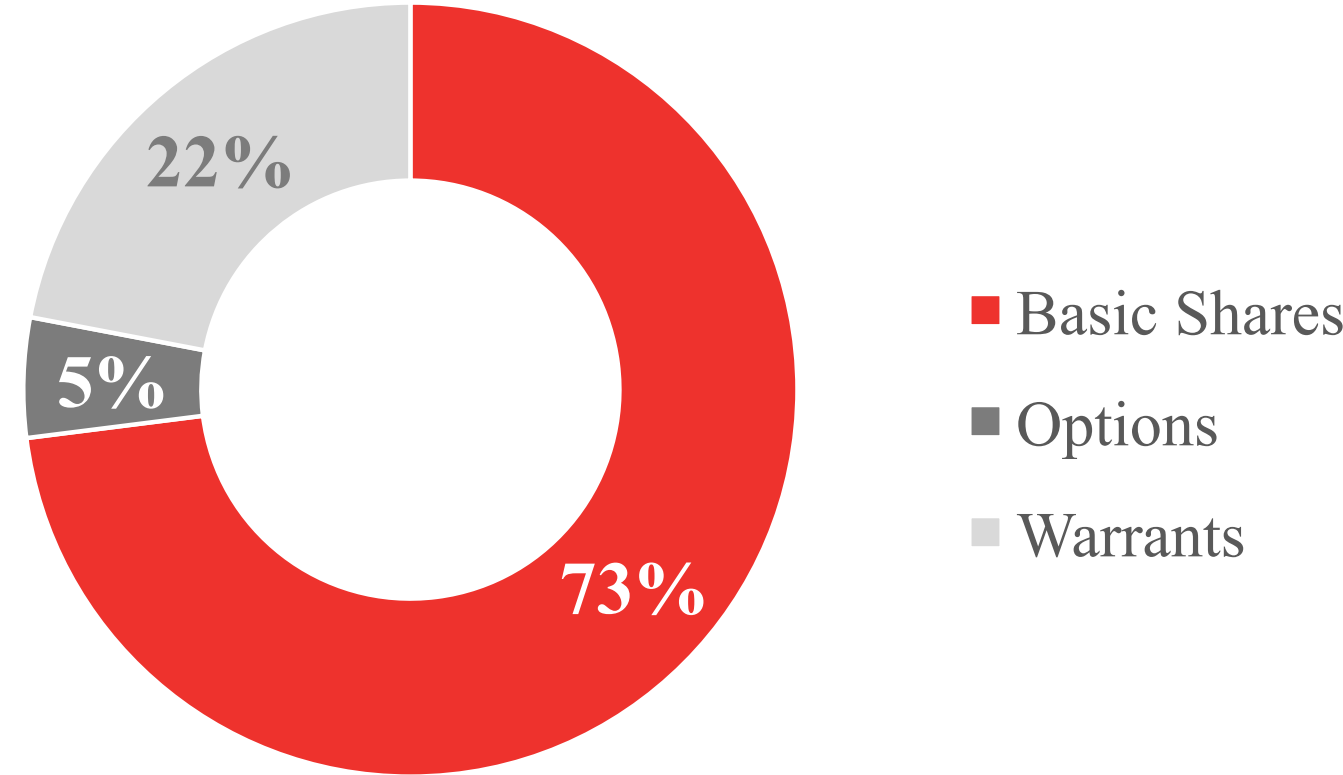
Options & Warrants  
**18.6M**



## Capital Structure

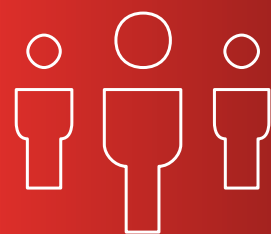
Cash  
**\$1.6M**

Debt  
**nil**



GBML 1-Year Price Chart





# PEOPLE

**Michael Murphy, BA, MBA, MSc., ICD**  
**President, CEO, Director**

Entrepreneurial mining executive, experienced company builder, proven capital markets track record. Founder of Torex Gold, where he participated in the raising of over one billion dollars of debt and equity. Prior international executive stints with Merrill Lynch, DLJ and Credit Suisse in London.

**Alan F. Matthews, C.Eng.**  
**Director**

Executive mining engineer, technically-proficient company founder and director. Over 45 years of international mining and exploration experience. Former Director of International Minerals Corporation, and was the Founder and President of Kernow Resources & Development Ltd.

**Craig Roberts**  
**Director**

Established mining executive, capital markets advisory to boards and management teams. 30+ years of operations, consulting and investment banking experience, including work on multiple feasibility studies and due diligence roles in over 200 institutional equity financings.

**Jean-Philippe Paiement, MSc, P.Geo.**  
**Director**

Professional geologist, pioneering the application of artificial intelligence to the geoscience sector. 15 years of wide-ranging experience in mineral system modelling merging traditional structural geology with machine learning and AI capabilities to accelerate new deposit identification.

**Cameron Bell, MSc., P.Geo.**  
**Director**

Geologist and exploration manager with technical strength in identifying battery metal deposits in Tier 1 jurisdictions. 30 years of global management experience working with Vale including 10 years as head of project origination.

**Rebecca Moriarty, CPA, CA, BSc. in Geology**  
**CFO**

Natural resources sector CFO. Offering clients, a unique combination of field knowledge and business accounting expertise developed during 11 years at PwC working exclusively with resource companies.



# CONTACT

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President & CEO



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