

GLOBAL BATTERY METALS

# VALUE CREATION THROUGH EXPLORATION AND DEVELOPMENT OF LITHIUM AND BATTERY METAL PROJECTS

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

February 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

Lithium demand is outpacing supply and growing at a faster rate. As this gap continues to widen, GBML will capitalize on clean energy transition opportunities with its growth-oriented portfolio of battery metals projects.



## **Focused on Tier 1 Jurisdictions**

GBML has secured prospective properties within Tier 1 jurisdictions of the US, Ireland, Canada and Peru – each done prior to recent critical mineral demand surges and all with potential to help strategic market partners strengthen supply chain independence, security, quality and cost control.



## **Prospective Portfolio**

Low entry-cost projects with high performance potential. Each property is unique and all check stringent requirements that hold promise for excellent economics. All are contained within mining-friendly regions and have historical work completed. GBML continues to evaluate new opportunities.

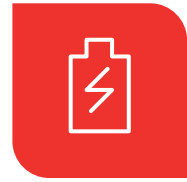


## **Experienced Leadership Team**

Proven track record for delivering value creation. The team has billion-dollar delivery mining experience across exploration, development and production, with expertise in geology, financing and engineering.



# CURRENT PORTFOLIO



## Lithium

### 1. NW Leinster (County Wicklow, Ireland)

- Hard rock lithium-bearing pegmatite project, nearby Ganfeng / ILC
- New surface values up to 3.75% Li<sub>2</sub>O / 17,000 ppm Li
- Potential source identification - pegmatite dike recently identified
- 16 Prospecting licenses comprising 529 km<sup>2</sup> with excellent geopolitical advantages and permitting processes

### 2. Lithium King (Utah, United States)

- Drill-ready, potential lithium-bearing brine aquifer within Pilot Valley, west margin of Bonneville Salt Flats
- Drill permits in place, targeting Spring 2023
- USGS shallow drill results up to 1,200 ppm Li
- Federal Placer claims comprising of 7 km<sup>2</sup>

### 3. La Poile (Newfoundland, Canada)

- Hard rock lithium exploration, 320 claims comprising 80 km<sup>2</sup>
- Swarm of lithium-bearing pegmatites discovered on nearby Golden Hope Project
- Field work initiated, to continue in Spring 2023



## Monetizing

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

- GBML has optioned the Lara Asset to Minsur, through Minas Dixon, GBML's 55% owned Peruvian subsidiary
- Minsur is a large Peruvian mining company
- 0.75% NSR (Net Smelter Royalty) retained, along with 55% of \$5.75M in payments with the first two already made



GBML is an international critical mineral exploration and development company focused on delivering growth-oriented lithium projects in strategic regions around the world.

# EXPLORATION STATUS

	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 - Northern and Southern Claim Blocks		✓
Phase 4: Drill Targets & Drill Planning	✓	Targeting Spring 2023		✓
Phase 5: Drilling		Targeting Spring 2023		✓
Phase 6: In-fill Drilling				✓
Phase 7: Discovery				✓



# NW LEINSTER

## Hard Rock Lithium Project in Ireland

### SUMMARY

<b>Property</b>	Pre-resource hard rock spodumene-bearing pegmatite project
<b>Location</b>	County Wicklow & South County Carlow, Ireland - adjacent to Ganfeng / International Lithium Corp asset
<b>Land Package</b>	16 prospecting licenses - 130,719 acres
<b>Infrastructure</b>	Excellent, with nearby town, power and water

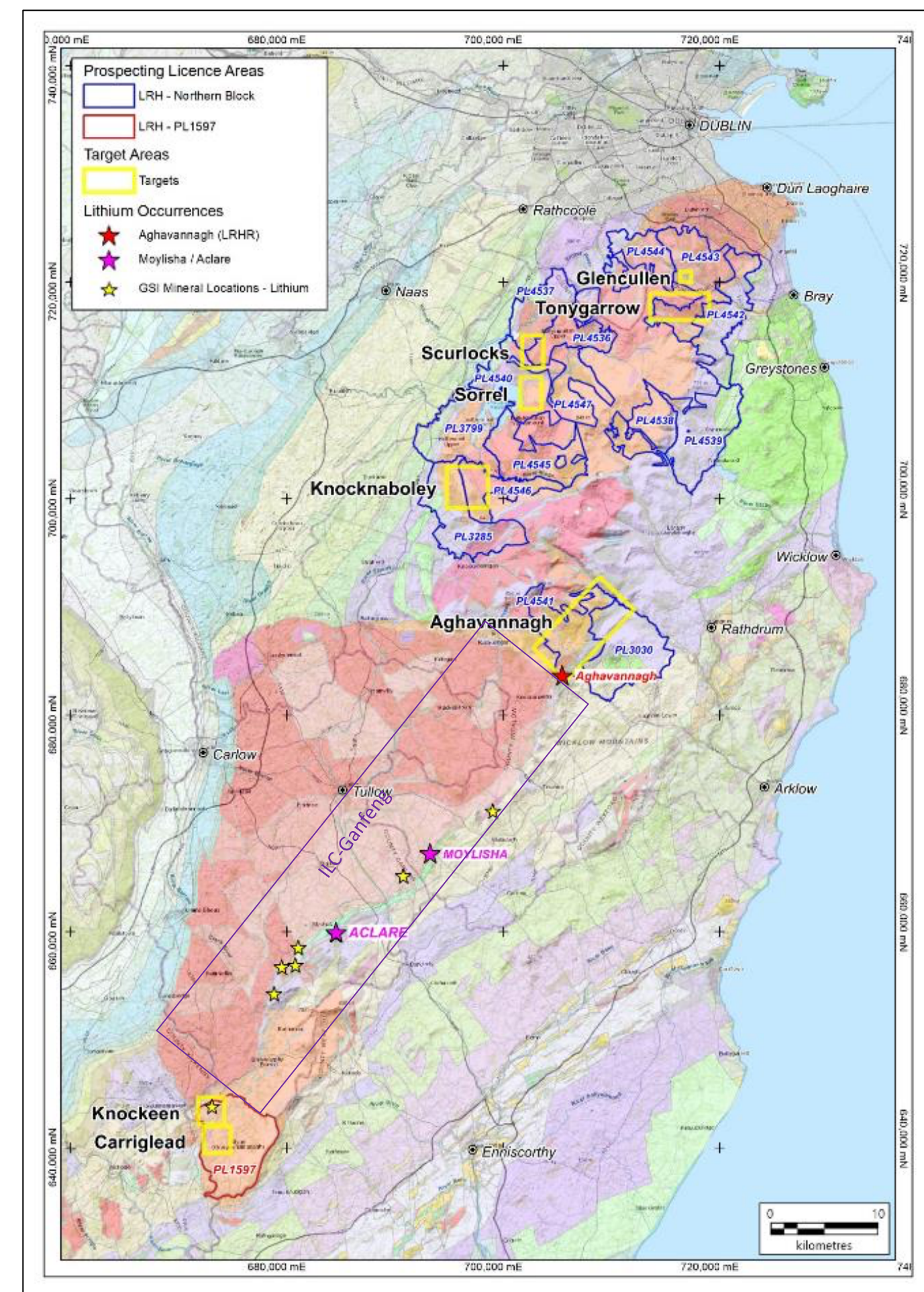
### KEY HISTORICAL ASSAY RESULTS

- 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
- 2022:** 2.95% Li<sub>2</sub>O in spodumene bearing pegmatite at Knockeen (July)
- 2022:** 3.75% Li<sub>2</sub>O in spodumene bearing pegmatite at Knockeen (December)

### HISTORICAL RESULTS

- There are already two known historical spodumene boulder trains reported and validated by the Company on PL 1597 (Knockeen and Carriglead). The Knockeen occurrence is further confirmed by a trench that was excavated in 1976 which intersected a 6 foot wide (1.82m) spodumene pegmatite dike
- 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 lithium anomalies compared to Ganfeng's adjacent asset to the southwest of the Leinster Massif. Ganfeng's Avalonia asset 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).



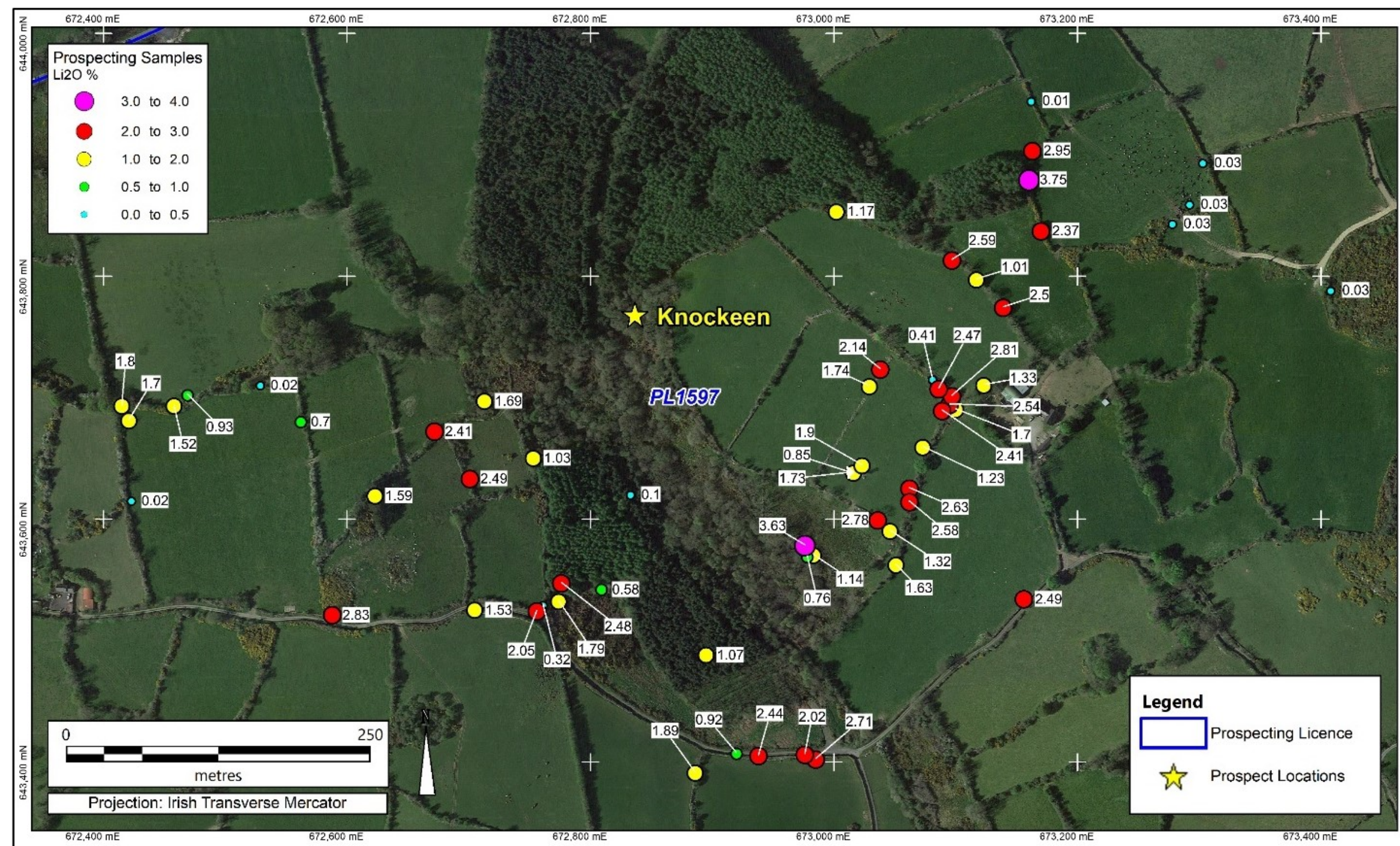


# NW LEINSTER

## December 2022 Follow-Up Sampling Highlights – Knockeen

- Grades as high as 3.75% Li<sub>2</sub>O
- 20 of 56 Samples Graded Above 2% Li<sub>2</sub>O

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

2021

- ✓ 12.5km ground Mag survey complete.
- ✓ Deep overburden soils with Li/Ta/Cs anomalies along granite/Ordovician sediment contact where a pegmatite dike swarm occurs.
- ✓ 3 holes totaling 625m 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 completed.
- ✓ 66 total surface samples analyzed, assay results show that 47 returned grades above 1% Li<sub>2</sub>O - with grades as high as 3.75% and 3.63% Li<sub>2</sub>O (source: ALS Laboratories - Loughrea, Ireland).
- ✓ Knockeen: out of a total of 56 samples, 41 samples graded above 1% Li<sub>2</sub>O, of which 20 graded above 2% Li<sub>2</sub>O and of which two graded above 3% Li<sub>2</sub>O (Sample AES 63003 (3.63% Li<sub>2</sub>O) and Sample AES 63033 (3.75% Li<sub>2</sub>O)).
- ✓ Carriglead: out of a total of 10 samples, six samples graded above 1% Li<sub>2</sub>O, of which one sample analyzed above 2% Li<sub>2</sub>O (Sample AES63504 (2.09% Li<sub>2</sub>O)).

2023

- Deep overburden results expected to be returned in February.
- GBML has identified a pegmatite dike which may have been the source of the lithium bearing pegmatite boulders. Work is underway to test this theory.
- Targeting Spring 2023 to begin drilling campaign.



# LITHIUM KING

## Drill-Ready Lithium Brine Project in Utah

### SUMMARY

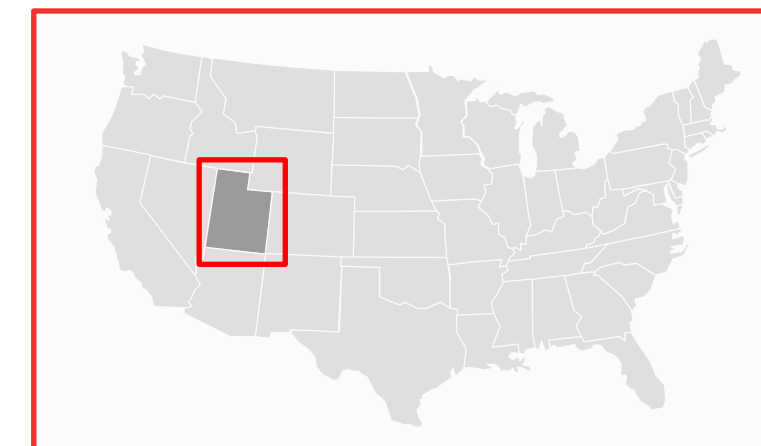
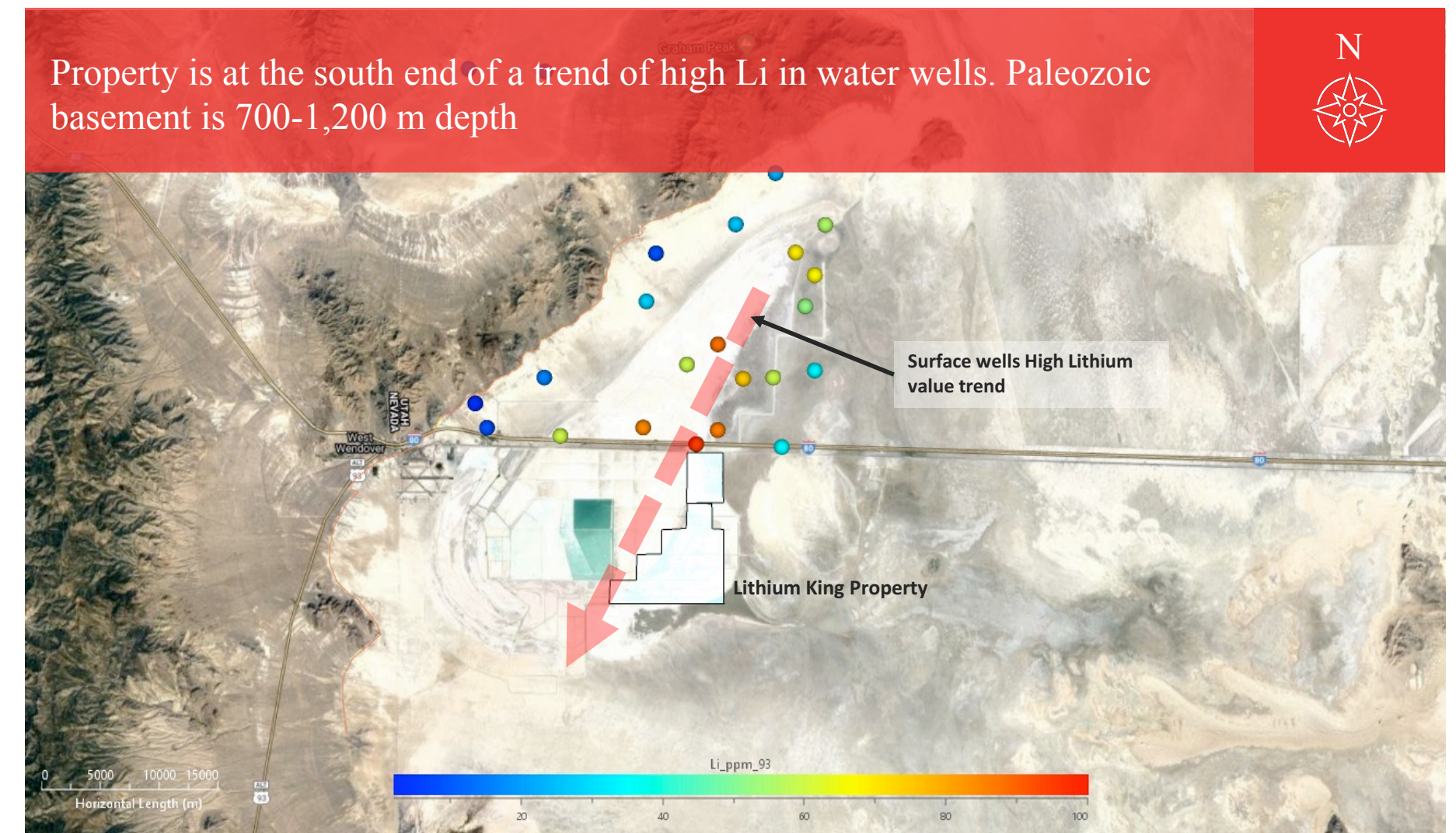
<b>Property</b>	Pre-resource lithium bearing brine aquifer project
<b>Location</b>	Pilot Valley on the west margin of Bonneville Salt Flats, Utah ~170km West of Salt Lake City
<b>Land Package</b>	1,760 acres of placer claims
<b>Infrastructure</b>	Area population of ~4,000, with infrastructure to support mining operations. GBML's neighbor is a producing potash mine and 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 lithium in water wells. Lithium is believed to move with fluids along basement-bounding faults forming a graben structure



Utah is a mining-friendly state and Tier 1 exploration jurisdiction

\*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 basin brines.



# LITHIUM KING

## Value Creation

### COMPLETED

- ✓ Locate and digitize existing oil well data to help with basin modelling.
- ✓ Acquisition of public domain geophysical datasets to help improve the subsurface structural and geological model. A depth to basement modelling exercise has been conducted.

### IN PROGRESS

#### 2023

- **Maiden drill program targeting Spring 2023 start. Drilling permit has been granted. Drilling will test for: stratigraphy, brine composition and production metrics.**
- Exploration mud rotatory drilling with wireline geophysics to evaluate the stratigraphy and basement depth for the Property area.
- 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 will be conducted by a combination of gravity and EM data acquisition.

### PLANNED | TIMING TBD

- Once drilling has been completed and assay results are returned, GBML intends to produce a 43-101 compliant mineral resource estimate.
- GBML will explore Direct Lithium Extraction (DLE) technology partners for low-cost and sustainable processing.



## Hard Rock Lithium Project in Newfoundland

### SUMMARY

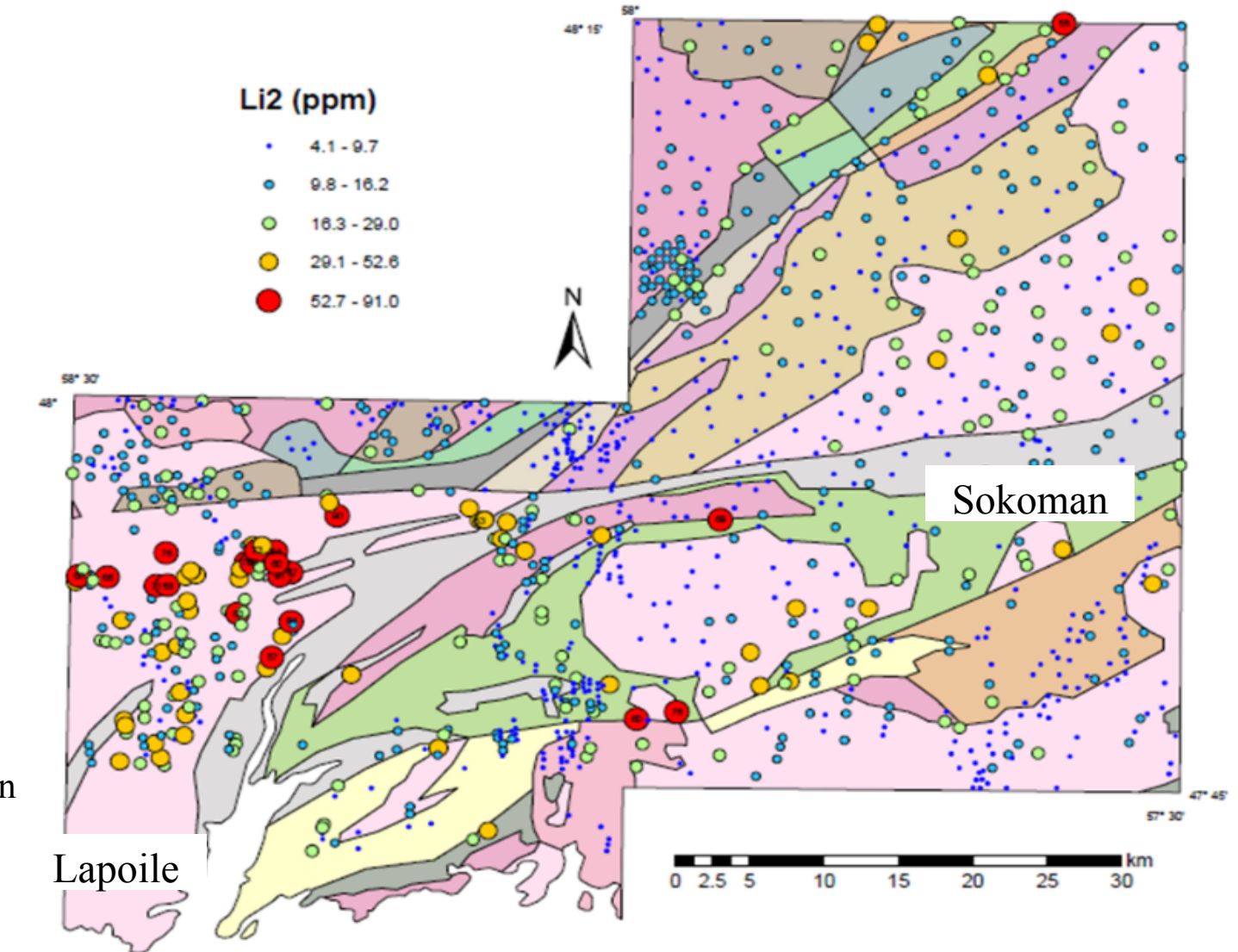
<b>Property</b>	Pre-resource hard rock lithium-bearing pegmatite project
<b>Location</b>	Newfoundland near the Golden Hope Project
<b>Land Package</b>	19,768 acres consisting of 320 claims
<b>Infrastructure</b>	Helicopter access

### 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 La Poile 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 dikes 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



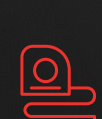
# LARA COPPER ASSET

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

In addition to these payments, GBML holds a 0.75% Net Smelting Royalty 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 (February 21, 2023)  
C\$0.20

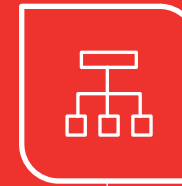
52 Week Range  
C\$0.35-C\$0.09



## Share Structure

Shares Outstanding  
68.3M

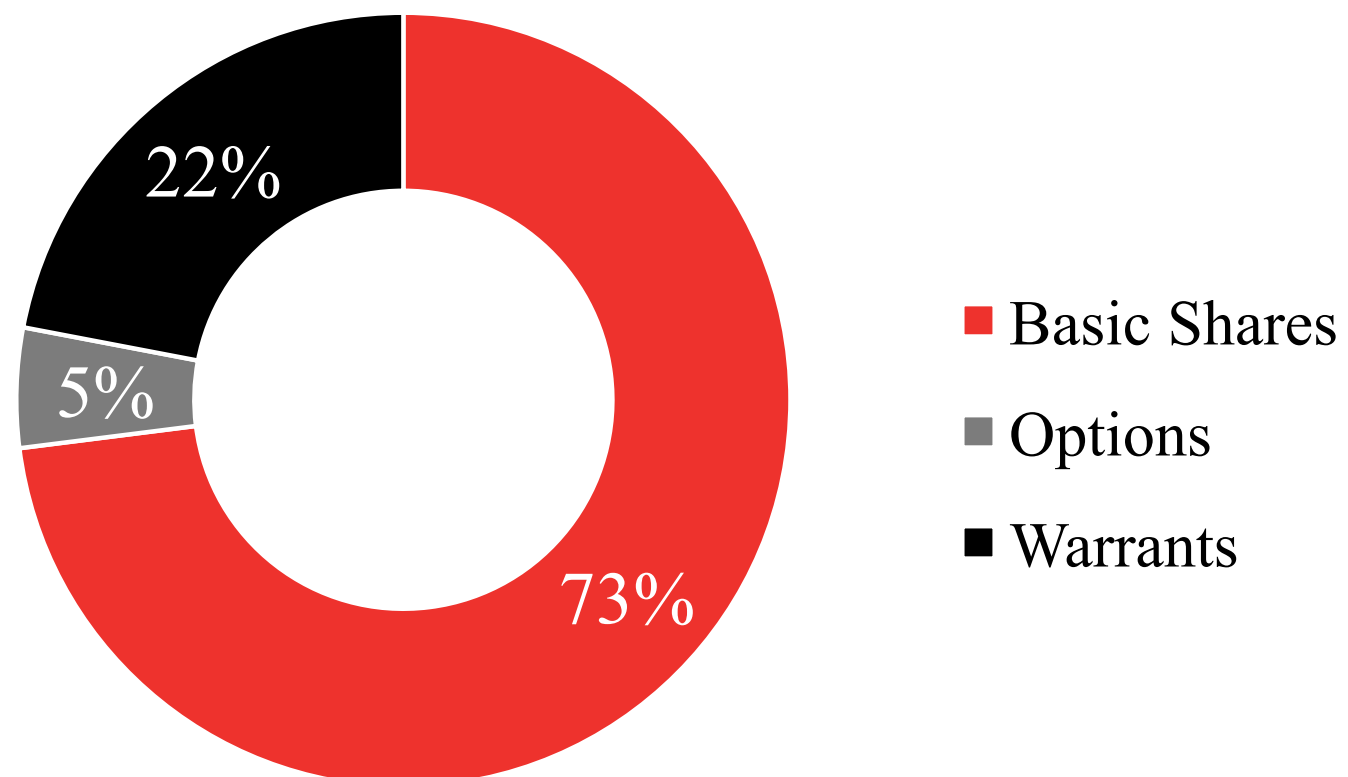
Options & Warrants  
17.4M



## Capital Structure

Cash  
\$1.6M

Debt  
nil

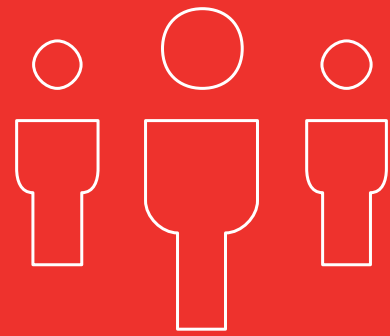


GBML 1-Year Price Chart





# TEAM



**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, P.Eng.**  
**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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