

3 May 2023

## Large Scale Exploration Programs Underway

### Key Highlights

- Manna Lithium Project
  - +50,000m Reverse Circulation (**RC**) and Diamond drilling (**DD**) program planned (with the option to extend this program based on results)
  - Large, high grade Lithium bearing pegmatite extensions of the Manna deposit to be a key focus of this year's exploration campaign
  - LIDAR and high-resolution Aerial Photography program (**Completed**)
  - Close spaced, Gravity survey over Manna deposit (**Completed – data processing and interpretation underway**)
  - Project wide VTEM survey (**Completed – data processing and interpretation underway**)
  - Multi-element soil sampling program across extended tenement holding (**Completed – awaiting assays**)
- Marble Bar Lithium Project
  - 20,000m RC drilling program to test Corridor 2 lithium targets
  - IP Survey planned across Twin Veins target to highlight potential chargeability anomalies.
  - RC drilling program to test the gold and base metal geochemical anomalies located at the Twin Veins targets and any identified chargeability anomalies.

Established multi-asset West Australian lithium company, Global Lithium Resources Limited (**ASX: GL1**, “**Global Lithium**” or “the **Company**”) is pleased to announce that it is undertaking large-scale exploration activities across **both of its 100% owned lithium projects** in Western Australia.

This year's exploration programs are underpinned by the compelling results from the 2022 exploration program. The Manna Lithium Project delivered a significant increase in mineral resource and achieved critical mass to allow mine development studies to proceed, while the Marble Bar Lithium Project (MBLP) has demonstrated there are multiple prospective lithium bearing corridors still to be explored.

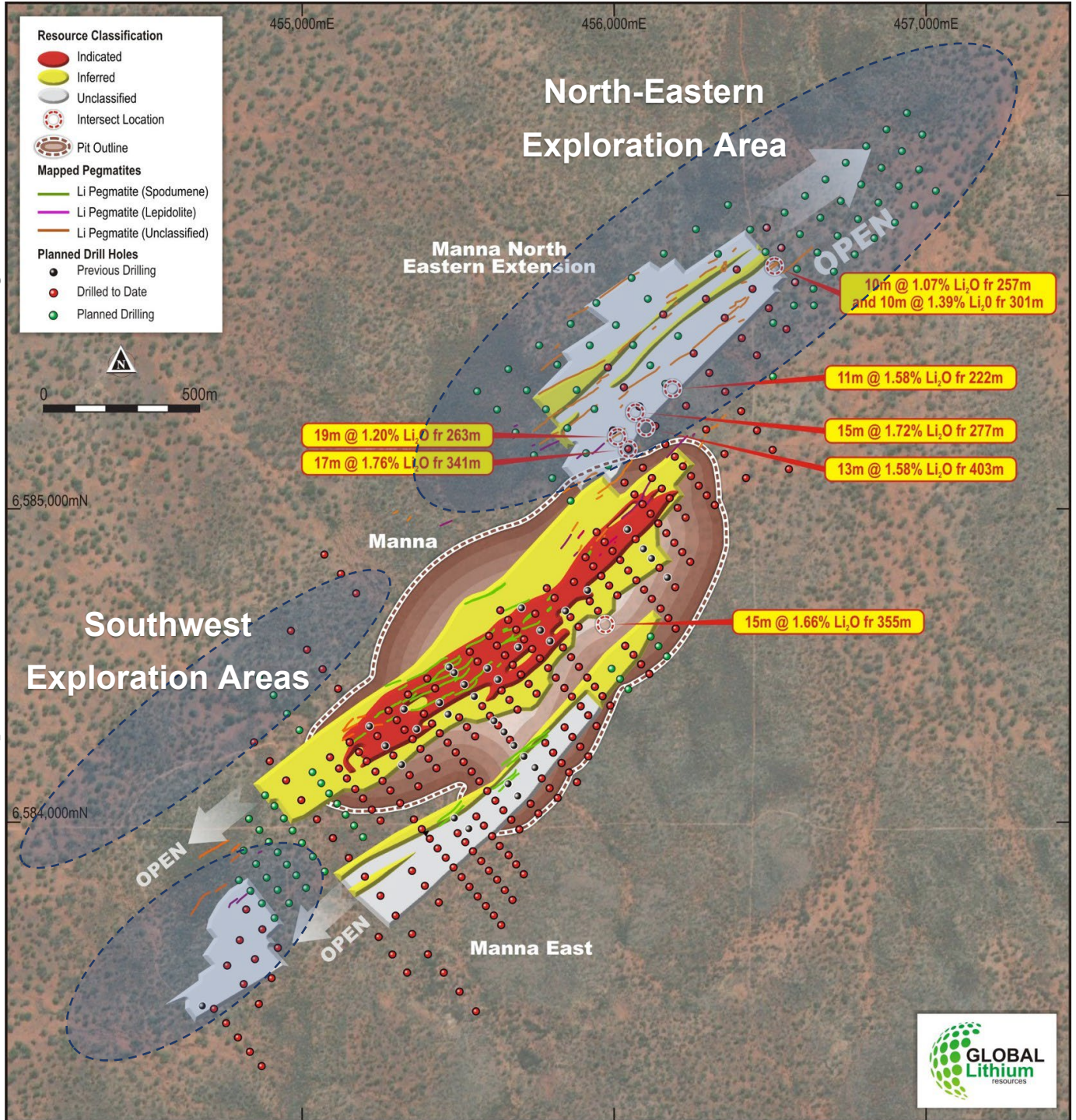
Global Lithium's combined Mineral Resource across its two hard-rock lithium projects in WA currently stands at **50.7Mt @ 1.0% Li<sub>2</sub>O<sup>1</sup>**.

<sup>1</sup> Refer ASX Announcement 15<sup>th</sup> December 2022

# Manna Lithium Project Summary

Multiple work programs have been running in parallel across the Manna Lithium Project since January. With the identification of the highly prospective pegmatite extensions of the Manna deposit, a large-scale +50,000m RC and DD exploration and resource expansion drilling program is planned.

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**Figure 1.** Manna plan view showing the existing drilling locations, proposed mine pit outline and planned resource expansion drilling program. (Exploration drilling may extend past the current planned collar locations as required)



A Light Detection and Ranging (LIDAR) survey has been completed across the greater Manna Project area. This survey produces high-resolution topography and photography of the areas to allow accurate landform analysis to be performed allowing detailed desktop exploration of outcropping pegmatites and geological features. The survey will also assist in the mine infrastructure placement.

A close spaced Gravity survey has been performed to test this technique's success in highlighting the lithium bearing pegmatite swarm found at the current Manna deposit. As the LCT pegmatites are less dense than the surrounding rock they should show up as a gravity low in the response. If this survey is successful, a larger program will be planned to cover off the entire strike length of the tenement to build up drill-ready lithium targets.

A tenement wide Versatile Time Domain Electromagnetic (VTEM) survey was recently completed that covered both E28/2551 and E28/2522 tenements at the Manna Project. This survey is intended to identify favourable geological structures across the greater tenement package as well as highlight base metal potential.

Soil sampling has proven to be an accurate method to target lithium anomalies at the Manna Project and the company has completed a large-scale multi-element soil sampling program over the expanded Manna project area, with assays pending. This program expanded upon an existing soil program performed by Breaker Resources that has become available since the 100% acquisition of the Manna Project. Additionally, a re-assay of these previous Breaker Resources (ASX: BRB) soil samples is being performed to standardise and expand the results to include a multi-element suite of results rather than just for Gold.

### **Marble Bar Lithium Project Summary**

Drilling will continue to test and expand the Archer Lithium deposit as well as the other prospective Lithium corridors that were identified in the 2022 exploration program.

20,000m of RC drilling is planned across the project with an initial 8,000m of RC drilling to identify the lithium targets followed by an additional 12,000m of drilling to define the results.

Drilling will also be completed on the Twin Veins gold and base metal anomaly after a ground Dipole Dipole Induced Polarisation (DDIP) Electromagnetic survey has been performed. This DDIP survey will highlight chargeable anomalies that will be subsequently drill tested.

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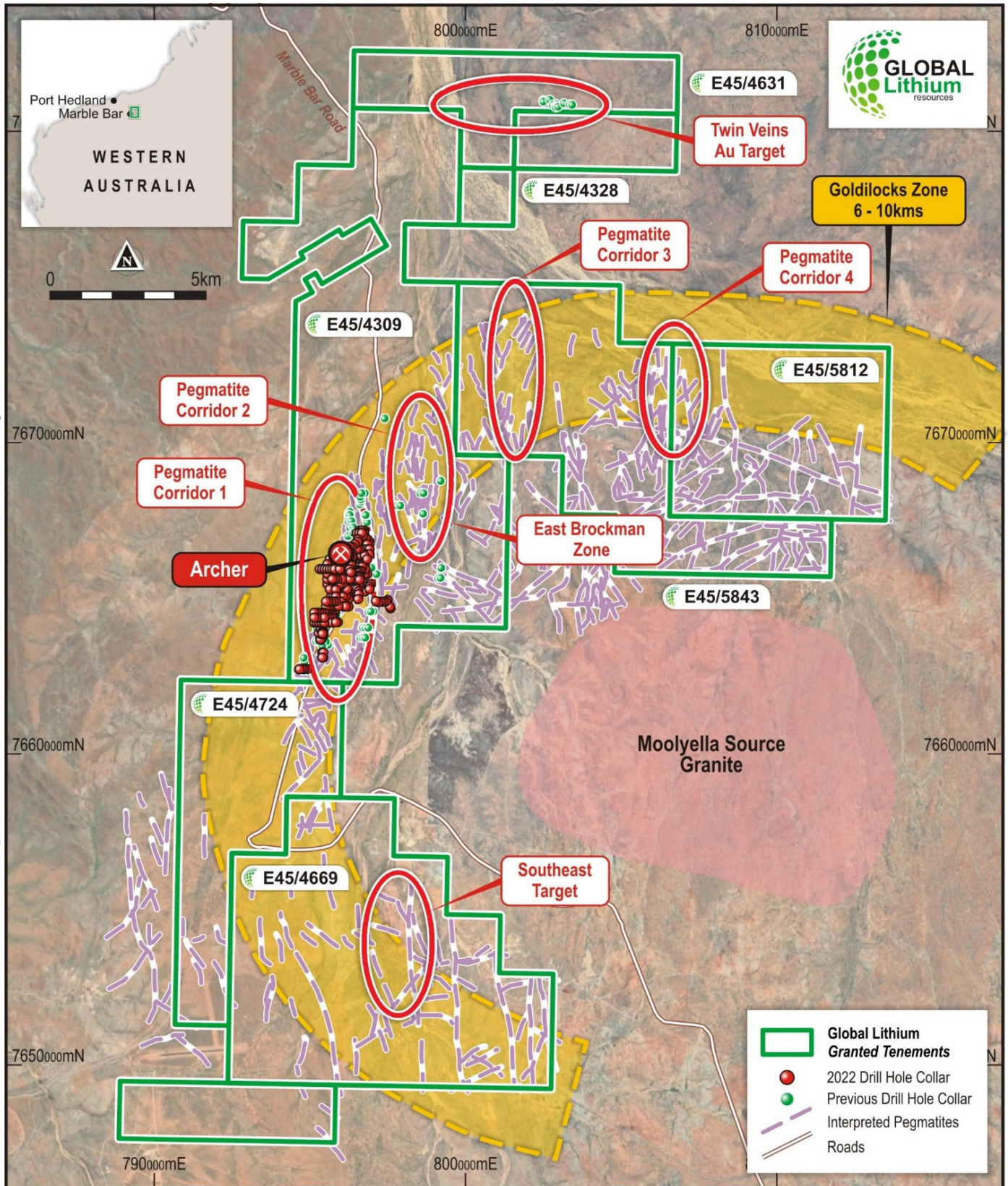


Figure 2. Showing the large scale of the Marble Bar Lithium Project and the prospective corridors and drill targets

## Global Lithium General Manager Geology, Stuart Peterson commented,

*“The Company is well placed to make further significant discoveries within its large tenement holding at both of its 100% owned lithium projects. The Manna Project has demonstrated to be a very productive system with the large 32.7Mt @ 1.0% Li<sub>2</sub>O deposit that was proven up late last year. Importantly, Manna still shows plenty of scope to extend this deposit along strike with this year’s exploration program. The additional technical programs and surveys should provide further Greenfields targets.*

*The MBLP has a very large land holding and up to 20km of prospective strike length still to explore. I look forward to providing regular updates from the 2023 exploration programs across both projects throughout the year.”*

Approved by the board of Global Lithium Resources Limited.

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### **About Global Lithium**

Global Lithium Resources Limited (ASX:GL1, Global Lithium) is a diversified West Australian focussed mining exploration company with multiple assets in key lithium branded jurisdictions with a primary focus on the 100%-owned Marble Bar Lithium Project (MBLP) in the Pilbara region and the Manna Lithium Project in the Goldfields, Western Australia.

Global Lithium has now defined a total Inferred and Indicated Mineral Resource of 50.7Mt @ 1.0% Li<sub>2</sub>O at its MBLP and Manna Lithium projects, confirming Global Lithium as a significant global lithium player aiming to fast track into development.

### **Directors**

Warrick Hazeldine	Non-Executive Chair
Ron Mitchell	Managing Director
Dr Dianmin Chen	Non-Executive Director
Greg Lilleyman	Non-Executive Director
Hayley Lawrance	Non-Executive Director

## Global Lithium – Resource Statement

Project Name	Category	Million Tonnes (Mt)	Li <sub>2</sub> O%	Ta <sub>2</sub> O <sub>5</sub> ppm
<b>Marble Bar</b>	<i>Indicated</i>	3.8	0.97	53
	<i>Inferred</i>	14.2	1.01	50
	<b>Subtotal</b>	<b>18.0</b>	<b>1.00</b>	<b>51</b>
<b>Manna</b>	<i>Indicated</i>	18.5	1.03	45
	<i>Inferred</i>	14.2	0.97	43
	<b>Subtotal</b>	<b>32.7</b>	<b>1.00</b>	<b>44</b>
<b>Combined Total</b>		<b>50.7</b>	<b>1.00</b>	<b>46</b>

Table 1. Global Lithium resource statement.

1. Refer ASX announcement “GL1 DELIVERS TRANSFORMATIVE 50.7 Mt LITHIUM RESOURCE BASE” from 15 December 2022

### **Competent Persons Statement:**

#### Exploration Results

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcements, and that the form and context in which the Competent Persons findings are presented have not been materially modified from the original announcements.

#### Mineral Resources

Information on historical exploration results and Mineral Resources for the Manna Lithium Project and the Marble Bar Lithium Project presented in this announcement, together with JORC Table 1 information, is contained in an ASX announcement released on 15 December 2022.

Where the Company refers to Mineral Resources for the Manna Lithium Project (MLP) and the Marble Bar Lithium Project in this announcement (referencing previous releases made to the ASX), it confirms that it is not aware of any new information or data that materially affects the information included in that announcement and all material assumptions and technical parameters underpinning the Mineral Resource estimate in that announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not materially changed from the original announcement.

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