



Global Lithium Resources

Advanced Exploration and Development

March 2023 | ASX: GL1

Global Lithium Value Proposition

Multi-asset development optionality

- Combined **Mineral Resource of 50.7Mt @ 1.0% Li₂O**
- Two highly prospective projects provides significant optionality around development and funding alternatives

JORC compliant resource

- **Global Lithium wholly owns 2 of only 14 JORC compliant lithium resources** in Australia
- Mineral Resource Estimate (MRE) updates for Manna and Marble Bar delivered in December 2022 with further updates to be announced

Strong lithium & battery industry credentials

- MD with **+12 years experience in lithium** and battery materials, current Chair of the LME Lithium Committee

Strategic partnerships

- Secured **strategic partnerships with blue-chip counterparties** including a 10-year strategic offtake with Suzhou TA&A and 9.7% investment from Mineral Resources (ASX:MIN)
- 70% of our offtake remains uncontracted with **strong partnership discussions** continuing

Tier 1 jurisdiction

- Projects located in the **Tier 1 jurisdiction of Western Australia**, close to existing lithium projects and major infrastructure

Experienced leadership strongly aligned to shareholders

- **Highly experienced Board and management** team with deep background in mining, exploration and project development to complement strong lithium industry credentials
- **+170 yrs cumulative resources experience**



Board & Executive



Warrick Hazeldine
Non-Executive Chair

Co-founder & NED of Cannings Purple; Non-Executive Chair ChemX (ASX:CMX), 20 years capital markets experience with a key focus on battery minerals and energy transition.



Dr Dianmin Chen
Non-Executive Director

Founder of Global Lithium; 35 years' experience in metals mining and capital markets. Former Barrick Gold senior management and Managing Director / CEO of Norton Goldfields Limited.



Ron Mitchell
Managing Director

Current Chair of the LME Lithium Committee; Former Sales Director of Tianqi Lithium & Talison Lithium; 12 years experience in the lithium industry. 7 years living and working in Nth Asia.



Hayley Lawrance
Non-Executive Director

Commercial lawyer; Director and company secretary for +22 years with a mining industry focus including ESG and approvals; Chair of Holyoake Inc.



Matt Allen
Chief Financial Officer

Chartered accountant and finance professional with +25 years experience in debt and equity funding, operation and management of ASX public listed companies including rare earth developer Hastings Technology Metals (ASX:HAS). Commencing April 2023.



Greg Lilleyman
Non-Executive Director

Former Fortescue Metals and Rio Tinto executive; 30 years of international experience in the mining sector. Key global contacts and networks throughout the mining sector.



Kevin Hart
Company Secretary

Chartered accountant with +30 years experience in accounting and administration of ASX listed public companies; Principal of Endeavour Corporate.

Management & Leadership



Dr Tony Chamberlain
Project Director

PhD in metallurgy with +25 years experience in the resources industry including several battery and new world metals ASX listed public companies; former COO at Vimy Resources and BCI Minerals.



Simon Corrigan
Approvals and Corporate Affairs Advisor

More than 20 years of experience in approvals, government relations and community relations. Chief of Staff in the WA Government and Senior Corporate Affairs and Approvals roles at CITIC Pacific Mining, Atlas Iron and BHP.



Stuart Peterson
General Manager Exploration

Specialist Exploration Geologist with 16 years experience in Australia and offshore; Member of the Australasian Institute of Mining and Metallurgy.



Nicole Stein
Community Relations Manager

An experienced community relations and strategic communications professional; 20 years living and working in regional Western Australia.



Logan Barber
Exploration Manager

Over 15 years of exploration experience focused on Lithium, Iron Ore, Base and Precious Metals. Execution of the original drilling at Wodgina (ASX: MIN) and extensive geological experience at Marble Bar and Manna.



Matt Holmes
Principal Environmental Consultant

Owner/Principal of Significant Environmental Services, offers over 20 years' experience in consulting directly to clients in the Mining Industry including Pilbara Minerals (ASX:PLS). BSc. Biological Sciences (including Environmental Management) and a First Class Honours.



Phoebe Yan
Senior Business Analyst

Over 15 years of commercial experience in the lithium chemicals, mining and infrastructure sectors. Held positions with Tianqi Lithium Energy Australia and Mineral Resources. Master of Accounting and a CPA.



Lynda Tilbrook
Health and Safety Consultant

More than 20 years of experience as a safety professional, having held senior management positions across a broad portfolio of industry sectors including mining, oil and gas, engineering and chemical manufacturing.

GL1 Corporate Snapshot

(20 March 2023)

Market Cap

A\$302m

Share Price

A\$1.18

Shares on issue

257.3m

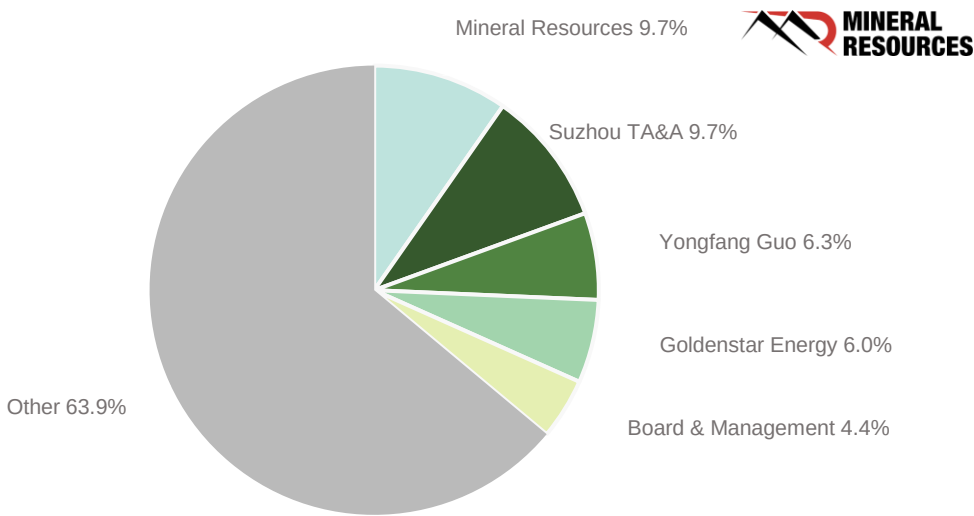
Options¹

13.5m

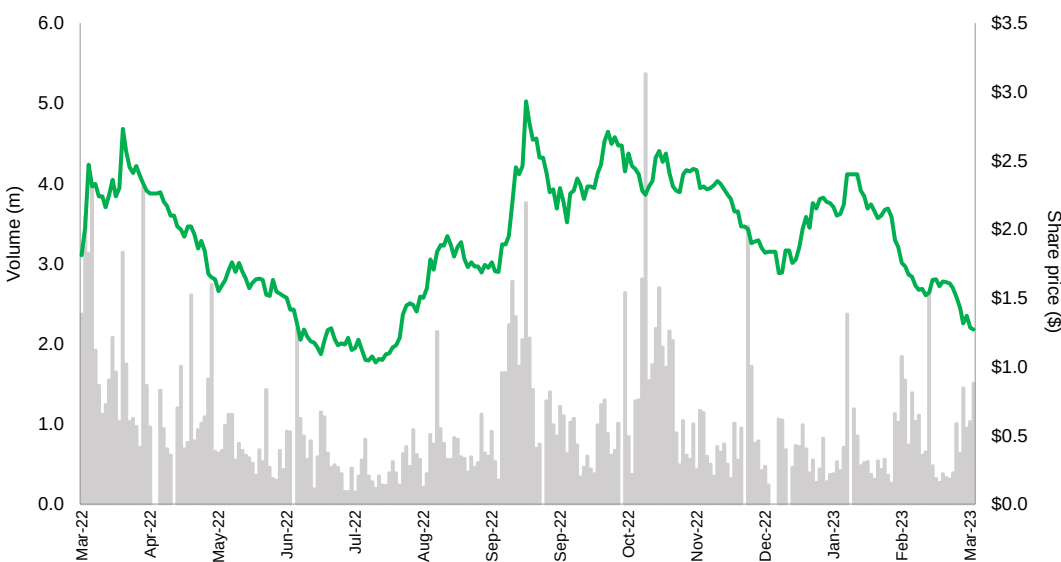
Cash²

A\$75.6m

Share Register



ASX share price performance



Mineral Resource Upgrade

TRANSFORMATIVE 50.7MT RESOURCE BASE

148% Resource Increase Achieved at WA Hard-Rock Lithium Projects – Manna and Marble Bar¹

- **230% increase** in Manna Lithium Project's Mineral Resource to **32.7Mt @ 1.0% Li₂O**
- **71% increase** in Marble Bar Lithium Project's Mineral Resource to **18.0Mt @ 1.0% Li₂O**
- Combined Mineral Resource increases from **20.4Mt to 50.7Mt**
- A further Mineral Resource update expected to be announced in CY2023
- Both projects demonstrate significant scope for further growth in Mineral Resources

1. Refer ASX release titled "GL1 DELIVERS TRANSFORMATIVE 50.7MT LITHIUM RESOURCE BASE", 15 December 2022.

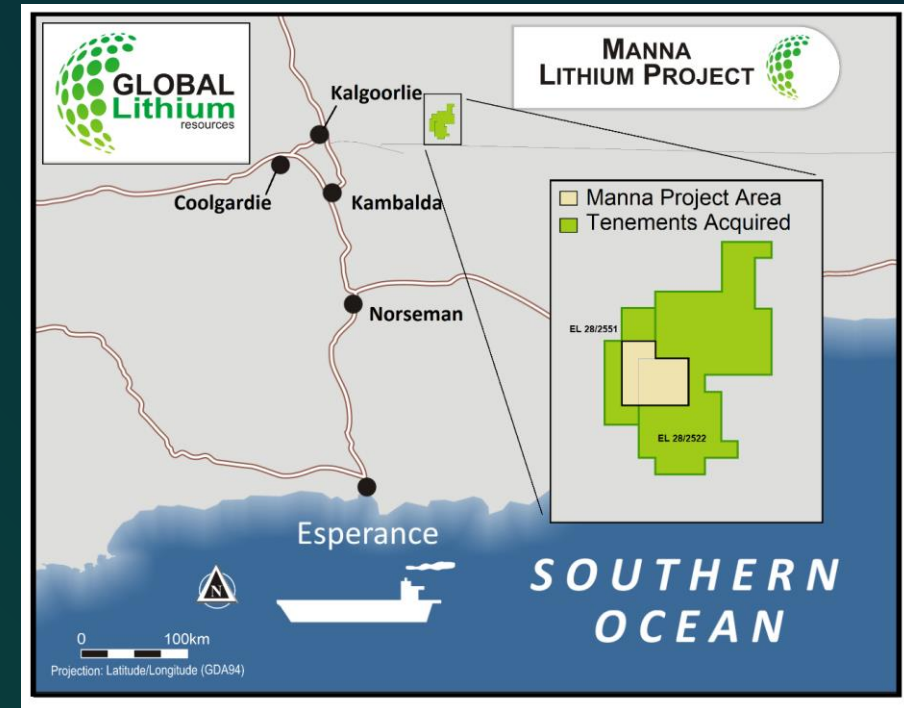


Manna Lithium Project



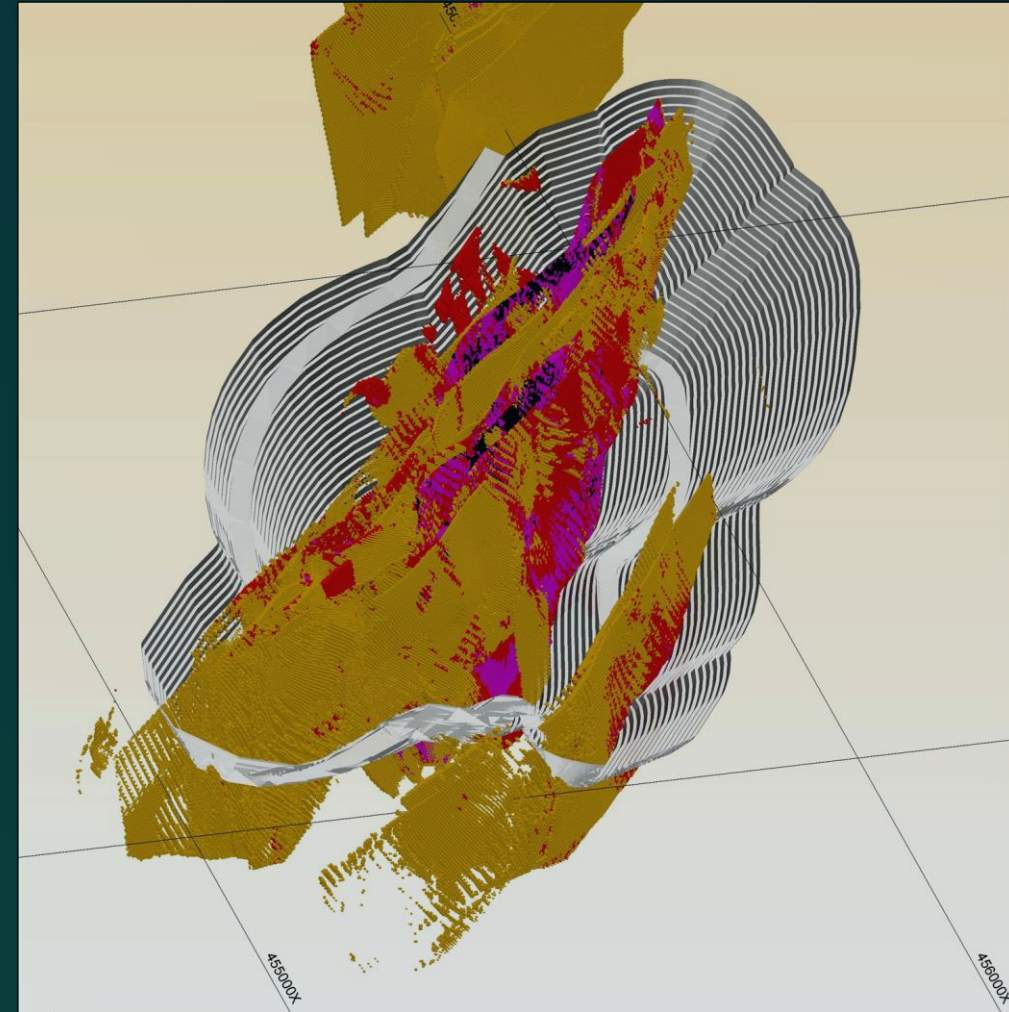
Project History

- December 2021
 - GL1 acquired 80% of the project from Breaker Resources under a Joint venture
 - Small JV area and very little drilling on the deposit
- February 2022
 - GL1 released the maiden Mineral Resource Estimate (MRE)
 - 9.9Mt @ 1.14% Li_2O from only 3,354m of drilling
- May 2022
 - Resource expansion drilling commences at Manna
 - 20,000m planned but quickly grew to 46,700m by December 2022
- October 2022
 - GL1 Acquires 100% ownership for the Manna Lithium Project
 - Tenement holding in the Manna project increases 5 times



Project History (continues)

- December 2022
 - GL1 released the upgraded MRE for Manna in Dec 2022
 - 32.7Mt @ 1.0% Li₂O from 33,685m of RC drilling and 6,138m of Diamond core
- February 2023
 - Manna Scoping Study results released
- March 2023
 - ASX Announcement on the exploration upside at Manna
 - Large Scale exploration planned for the project in 2023
 - Additional MRE to follow resource extensional drilling program



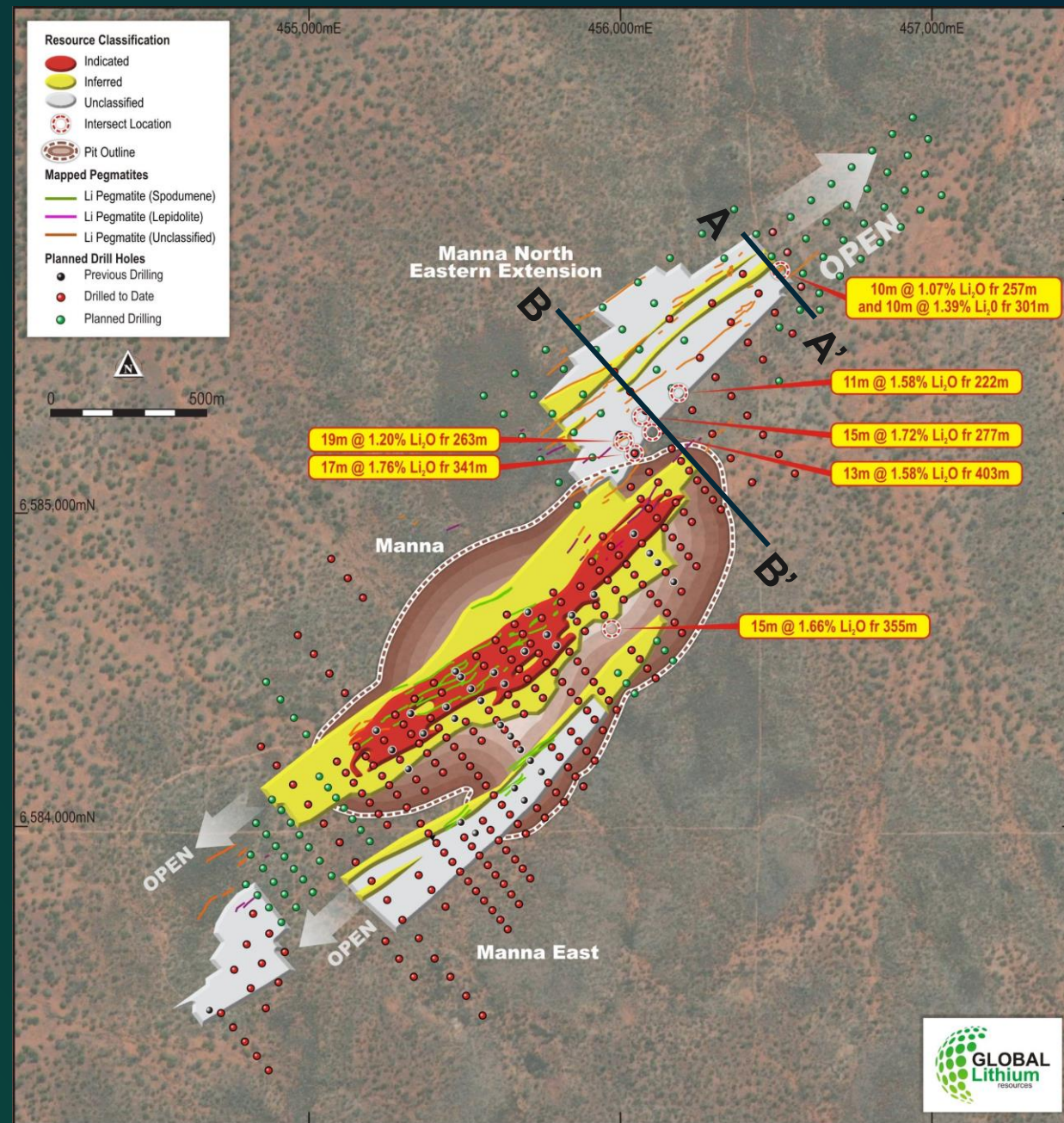
Manna Exploration Upside

Pathway to a Larger Resource at Manna

- Expansion of the Manna Resource by performing more drilling
- Important to note that the North-Eastern extension is not in the current Scoping Study numbers
- Latest results show large high-grade pegmatites
- Results spread over a ~800m distance to date
- The NE deposit open both along strike and down dip

Looking forward

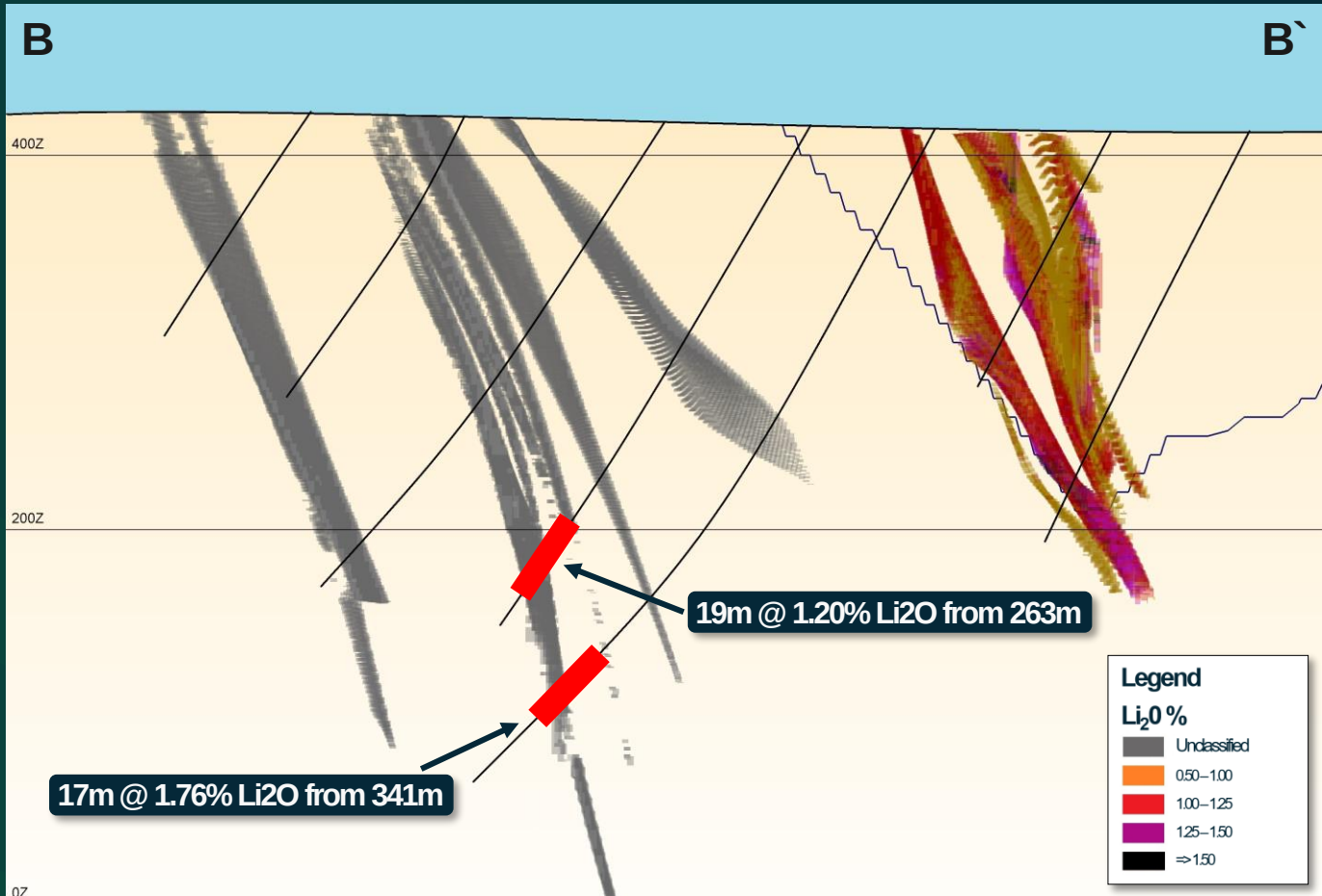
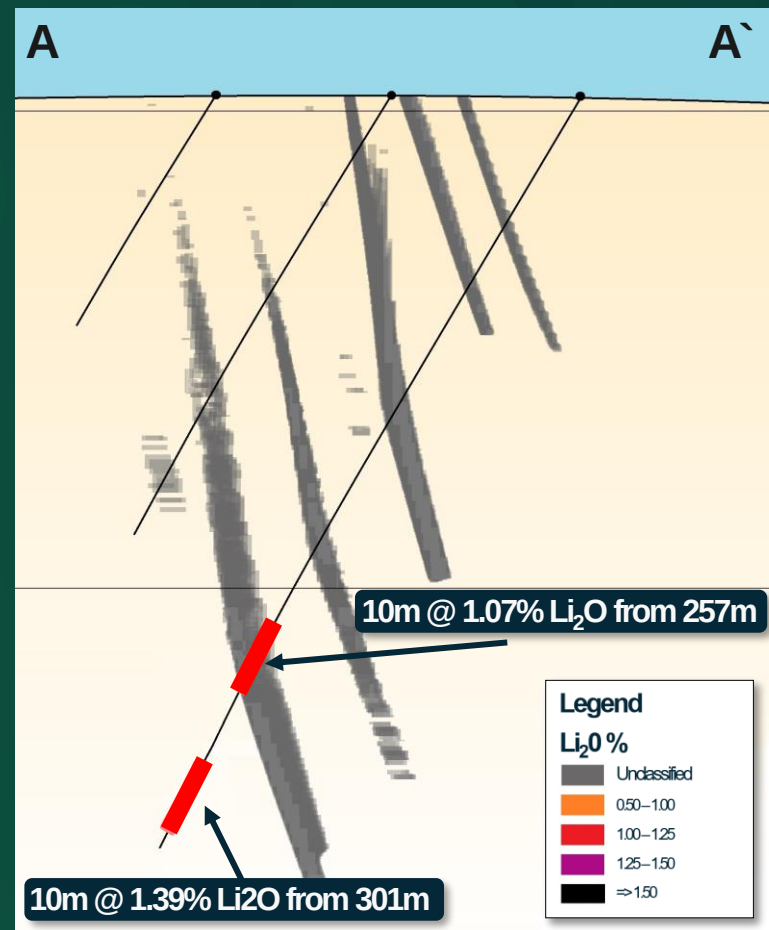
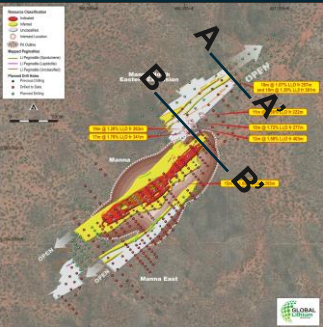
- Underground Mining option scope to be developed with more results
- Possible reduction in strip ratio with the combination of both open pits



Manna Exploration Upside (cont.)

Cross Sections of Manna

- Cross section A-A' Hole 220 shows new intersection not currently in the resource model.
- Cross Section B-B' shows the placement and size of the North-Eastern extension beside the current Manna Pit outline.

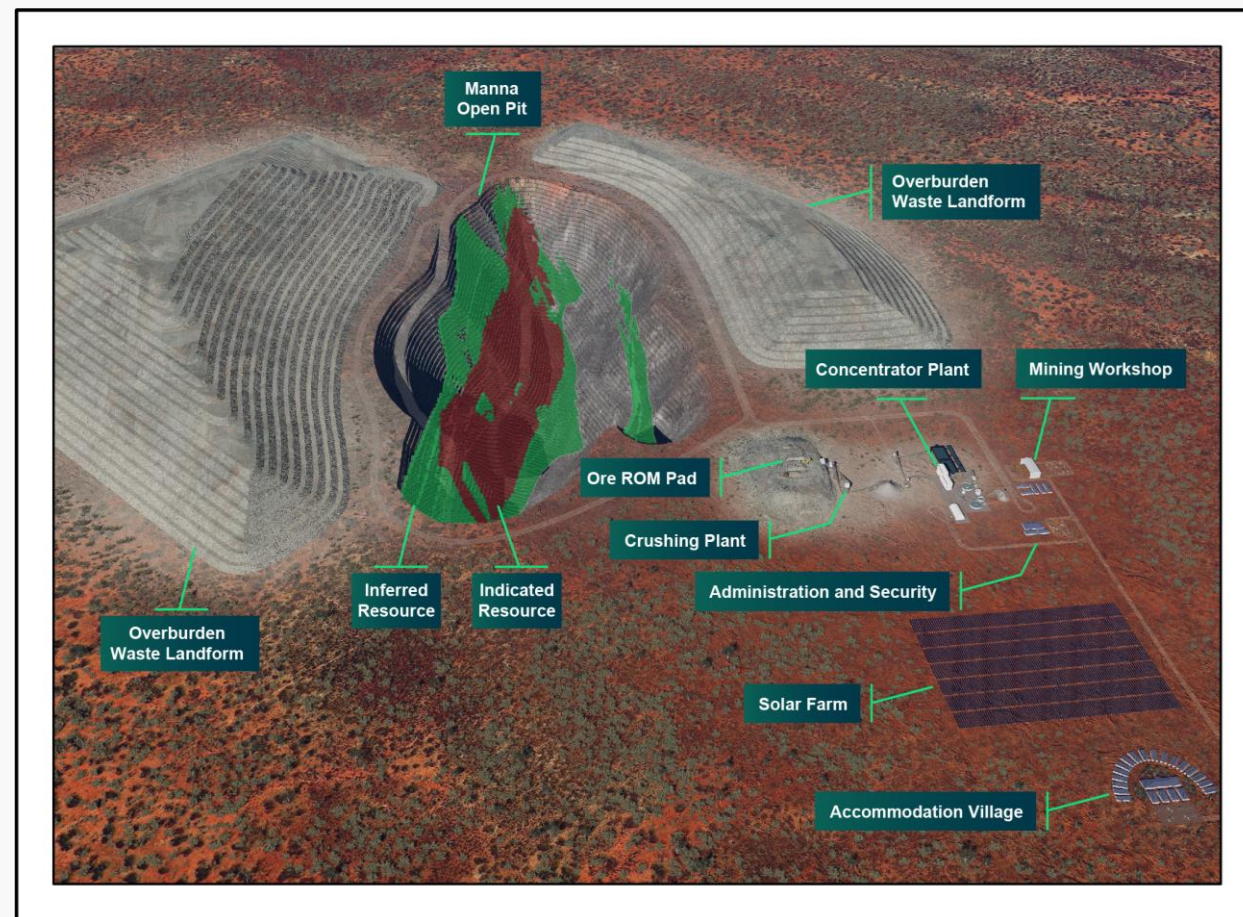


Manna Lithium Project

Robust Scoping Study Results

Study Sets Foundation for Feasibility Study

- Scoping Study completed with MinSol Engineering undertaking study in conjunction with GL1¹
- MinSol defined process and non-process infrastructure requirements, as well as capital and operating costs.
- Key outcomes include:
 - Study confirms potential for a globally competitive lithium project
 - Competitive operating cash cost, strong financials
 - Low risk open pit mining in a proven mining jurisdiction



1. Refer ASX release titled "GLOBAL LITHIUM TO PROGRESS MANNA LITHIUM PROJECT AFTER ROBUST SCOPING STUDY RESULTS", 14 February 2023.

Robust Scoping Study Results at Manna



A\$2.8 Billion
Robust pre-tax NPV8%



10 Year
Life of Mine



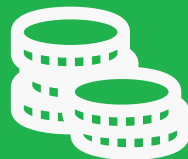
2Mtpa & 221ktpa
ROM & SC5.5 Nameplate



32.7Mt at 1% Li₂O
Mineral Resource Estimate



15 Month Payback
after first production



US\$688/t & \$419M
LOM cash OPEX & CAPEX



103%
IRR



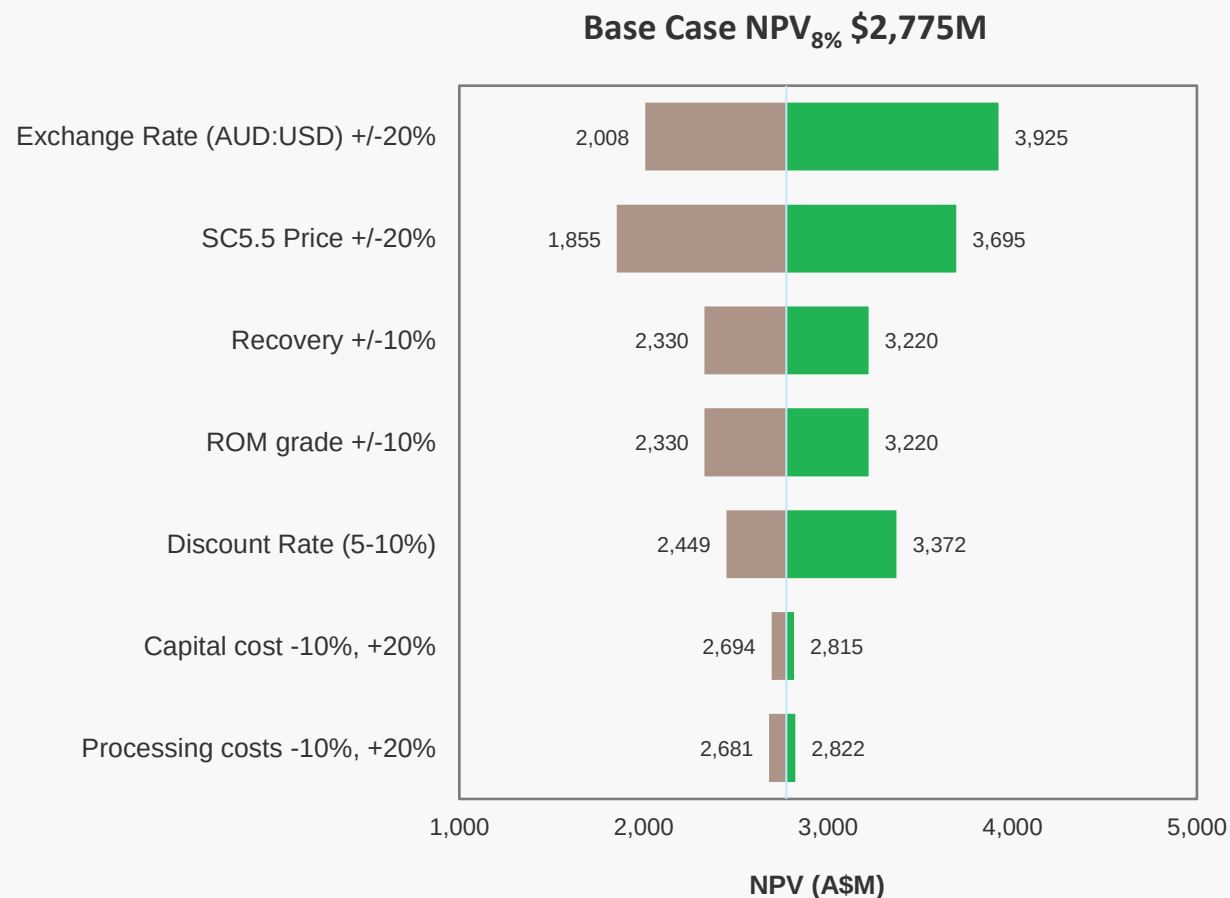
100% ownership
of Manna Lithium Project

1. Refer ASX release titled "GLOBAL LITHIUM TO PROGRESS MANNA LITHIUM PROJECT AFTER ROBUST SCOPING STUDY RESULTS", 14 February 2023.

Robust Scoping Study Results

Financial Evaluation

- Base case NPV_{8%} is \$2.8B and a 15-month payback period
- A lithium price assumption of US\$2,500/t SC 5.5 (A\$3,570/t) based on Fastmarkets forward forecast price from 2026 to 2032
- Project has a capital breakeven price of US\$992/t SC5.5
- For every +/- US\$1,000/t change in lithium price it has a A\$1.8B impact on NPV_{8%}
- A 20% increase in the total project capital cost to \$522M, only reducing the NPV_{8%} from A\$2.8B to A\$2.7B
- Increasing the discount rate to 10% reduces the NPV_{8%} to \$2.4B



1. Refer ASX release titled "GLOBAL LITHIUM TO PROGRESS MANNA LITHIUM PROJECT AFTER ROBUST SCOPING STUDY RESULTS", 14 February 2023.

Next steps: Definitive Feasibility Study

GL1 commences Feasibility Study following completion of Scoping Study

- Feasibility Study results expected in Q4 CY2023
- Aim of reaching Final Investment Decision (FID) in CY2024
- Further Mineral Resource update in CY2023 incorporating additional ~30,000m of drilling
- Bulk metallurgical testwork underway and ore variability testwork to be conducted to confirm impact of mine schedule on process recovery and product quality
- Various work programs to assess opportunities identified in Scoping Study to improve project economics
- Environmental, heritage and native title work streams scheduled and underway in parallel to the DFS

1. Refer ASX release titled "GLOBAL LITHIUM TO PROGRESS MANNA LITHIUM PROJECT AFTER ROBUST SCOPING STUDY RESULTS", 14 February 2023.



Marble Bar Lithium Project



Marble Bar Lithium Project

Highly prospective geological setting

Geology

Archer Deposit

Significant Upside

Infrastructure Rich

- Spodumene bearing pegmatite hosted in greenstone and granite contact
- Demonstrates similar geological settings to the Pilgangoora¹ and Wodgina² deposits
- **Inferred Mineral Resource of 18.0Mt @ 1.0% Li₂O³**
- Exploration focused on growth beyond Archer
- 48,528m of RC drilling completed in CY2022
- More than 25km greenstone strike in highly prospective area
- Lithium mineralisation in drilling identified over 15km
- Tier 1 lithium mining jurisdiction
- Sealed road through tenement area
- 150km south-east of Port Hedland

1. Owned by Pilbara Minerals (ASX: PLS).

2. Owned by the MARBL JV, 60% Albemarle, 40% Mineral Resources (ASX: MIN).

3. Refer ASX release titled "GL1 DELIVERS TRANSFORMATIVE LITHIUM RESOURCE BASE", 15 December 2022.

PORT HEDLAND

Port Hedland Salt (Salt)

Mallina
Gold
Project (Au)

Pilgangoora (Li)

Sulphur Springs
(Zn-Cu-Pb)

Wodgina (Li)

Iron Bridge (Fe)

**Marble Bar
Lithium Project**

MARBLE BAR

Moolyella (Sn)

Warrawoona (Au-Ag)

Sanjiv Ridge (Fe)

Mt Webber (Fe)

WESTERN
AUSTRALIA

Perth

GLOBAL
Lithium
resources

Marble Bar Lithium Project

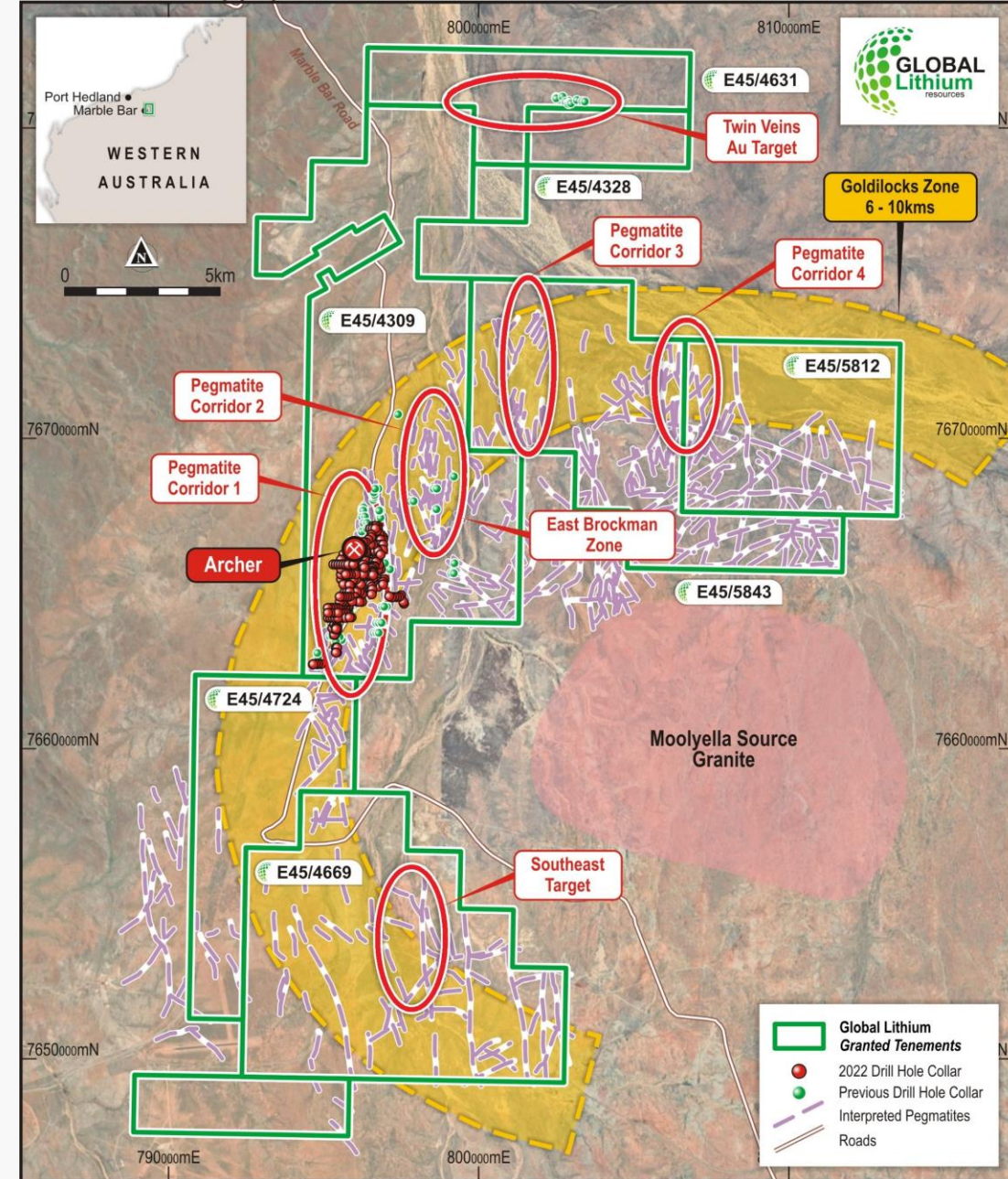
Results Demonstrate Upside Potential

Highest grade lithium assays delivered to date¹

- A large poorly understood intrusive related mineral system = significant upside
- 2023 exploration campaign targets lithium mineralised pegmatites to establish prospectivity both along strike and down dip
- Mapping and soils work has delineated four distinct target areas for further exploration – drilling recommences H1 CY2023
- Highly prospective gold and base metal targets will be tested in 2023

1. Refer ASX release titled "Highest Grade Lithium Assays Delivered to Date at Marble Bar Lithium Project", 2 May 2022

2. Refer ASX release titled "NEW LITHIUM BEARING PEGMATITE LOCATED AT THE MARBLE BAR LITHIUM PROJECT", 29 July 2022



Pegmatite Exploration Target Areas²

Building Momentum – Significant News Flow and Next Steps

Global Lithium Resources

- Exploration (MBLP & Manna)

- DFS (Manna)

- Resource upgrades (MBLP & Manna)

- Metallurgical test work (Manna)

- Environmental / Native Title approvals (Manna)

- Final Investment Decision (Manna)

- Construction (Manna)

- Start of production (Manna)

2023

2024

2025

2026





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GL1 Purpose & Values

OUR PURPOSE

Empowering people to power the planet

People | Power | Planet

OUR VALUES

SAFETY

The standard you walk past is the standard you accept.

OWN IT

We do what we say we will do.

SUSTAINABILITY

We do the right thing while providing responsible returns to people and the planet.

INNOVATION

We empower people to innovate for the better.

TEAMWORK

We all win when we work together with a can-do mindset.

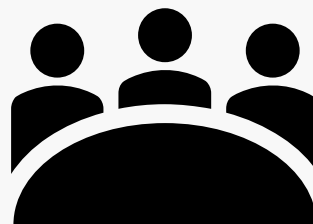
At the heart of our values

ESG at Global Lithium



THINK GLOBAL, ACT LOCAL

This year we will begin our journey towards adoption of globally-recognised GRI and SASB reporting standards for best-practice measurement and communication of sustainability performance. We'll always direct our resource and budget towards local impact.



THE MOST IMPORTANT THINGS

Global Lithium recently undertook a stakeholder mapping exercise and materiality assessment. Aligned to GRI reporting methodology, the assessment helped identify and prioritise the most important material topics for Global Lithium and its stakeholders.

**FUTURE
PROOF.**

WITH HELP FROM THE BEST

Resources-industry sustainability specialists Futureproof have been engaged to advise on strategy and delivery of the ESG program. Futureproof is one of Australia's top ESG consultancies and has worked closely with junior explorers, developers and mature ASX 100 producers.

TOP TO BOTTOM OWNERSHIP

We have embedded ESG in our governance structure through the establishment of a Sustainability Committee. A project team is also being formed with representatives from the Board, Executive and management. This will align ambition, build accountability and help identify ESG risks and opportunities.

ESG OWNERS

BOARD

Sustainability Chair - Hayley Lawrance

EXECUTIVE

Managing Director - Ron Mitchell

MANAGEMENT

Community Manager - Nicole Stein

At the heart of our values

ESG at Global Lithium

ACHIEVEMENTS

- ESG project team in place
- Engaged specialist ESG consultants (Futureproof)
- Sustainability roadmap completed
- Materiality assessment completed
- Appointment of Community Relations Manager
- ESG formalised within governance structures
- Reporting alignment with global best-practice GRI and SASB frameworks
- Development of the first sustainability report for release in this year's FY23 Annual Report



Case study: Marble Bar Community Engagement

Global Lithium is committed to creating a positive legacy within the communities in which we operate and recognise that community investment is a vital part of this goal. To achieve our ambitions, experienced community relations specialist, Nicole Stein, has been appointed as Community Relations Manager and will manage the Global Lithium community engagement program.

Recently, Nicole visited Marble Bar Primary School and was presented with several student artworks which have been framed and are on display in the Global Lithium offices.

Global Lithium – Mineral Resources

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

1. Refer ASX release titled "GL1 Delivers Transformative 50.7Mt Lithium Resource Base", 15 December 2022.

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Where the Company refers to the Manna Lithium Project production target 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 that all material assumptions and technical parameters underpinning the production target estimate or forecast financial information derived from the production target (as applicable) 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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