US INVESTOR ROADSHOW

Fast Tracking Two Lithium Projects in the World's Most Reliable Mining Jurisdiction

Through large scale exploration and development

June 2023 | ASX:GL1

Ron Mitchell – Managing Director

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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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Strategic Highlights – Why Invest?

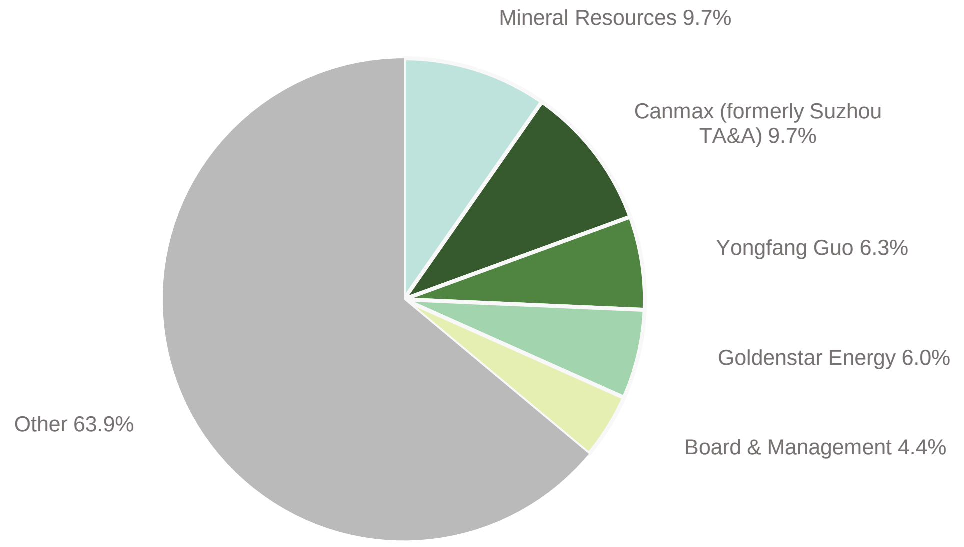
Multi-asset development optionality	▪ Combined Mineral Resource of **50.7Mt @ 1.0% Li_2O** ▪ Two highly prospective projects provides significant optionality around development and funding alternatives
JORC compliant resource	▪ Global Lithium wholly owns **2 of only 14 JORC** compliant lithium resources in Australia listed on the ASX ▪ Most lithium resources are owned under joint ventures
Tier 1 jurisdiction	▪ Projects located in the **Tier 1 jurisdiction of Western Australia**, close to existing lithium projects and major infrastructure
Strategic partnerships & well funded	▪ **Secured strategic partnerships with blue-chip counterparties** Canmax (formerly Suzhou TA&A) and Mineral Resources (ASX:MIN) ▪ Well funded through to FID on the Manna Lithium Project
Strong lithium & battery industry credentials	▪ MD with **+13 years experience in lithium and battery materials**, ▪ Current Chair of the LME Lithium and Cobalt Committee
Experienced Board and leadership team	▪ **Highly experienced Board and management** team with deep background in mining, exploration and project development ▪ **+170 years cumulative resources experience**

GLOBAL Lithium resources

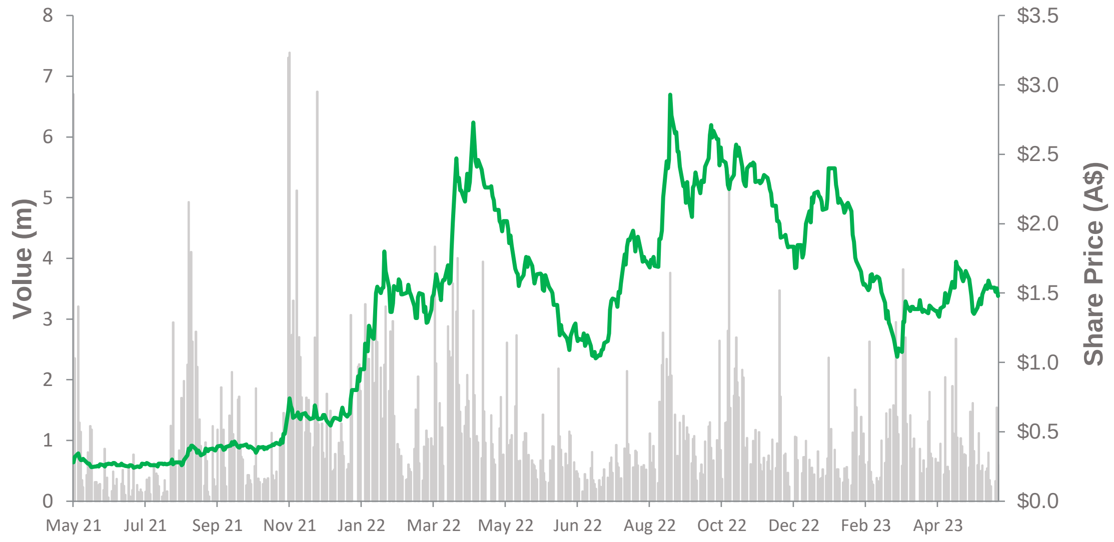
GL1 Corporate Snapshot (16 June 2023)

Market Cap	Share Price	Shares on issue	Options[1]	Cash[2]
A$384m	A$1.48	257.3m	13.5m	A$67m

Share Register



ASX share price performance



Research Coverage

MACQUARIE | Canaccord Genuity | Barrenjoey | ARGONAUT | ShawandPartners

1. Including various terms of performance rights
2. As at 31 May 2023

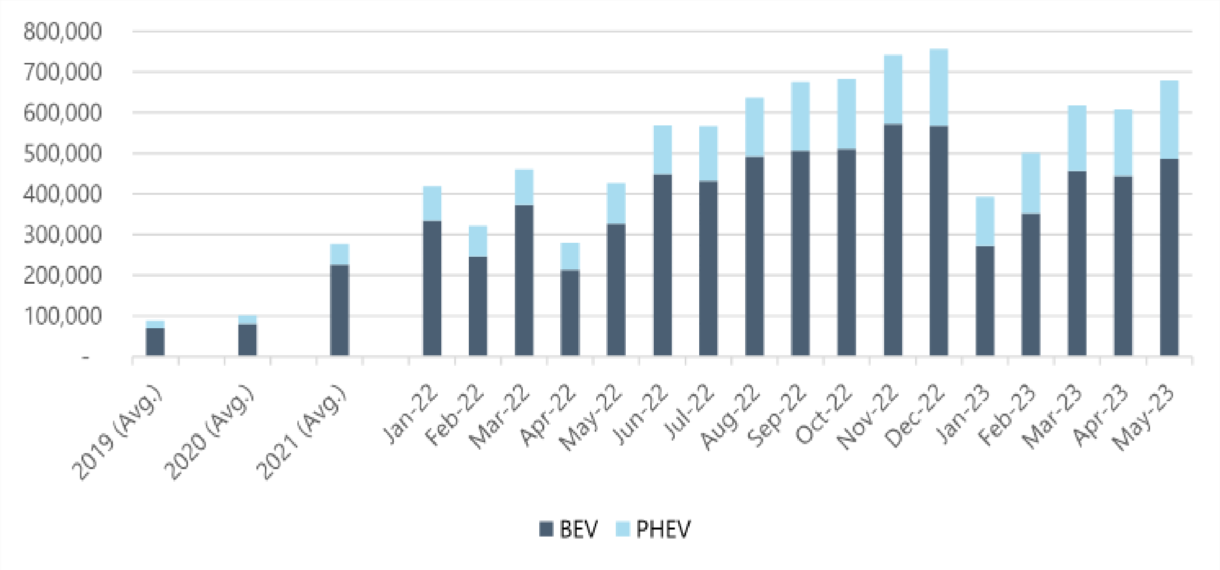
Lithium Market Insights

Strong globally diversified demand

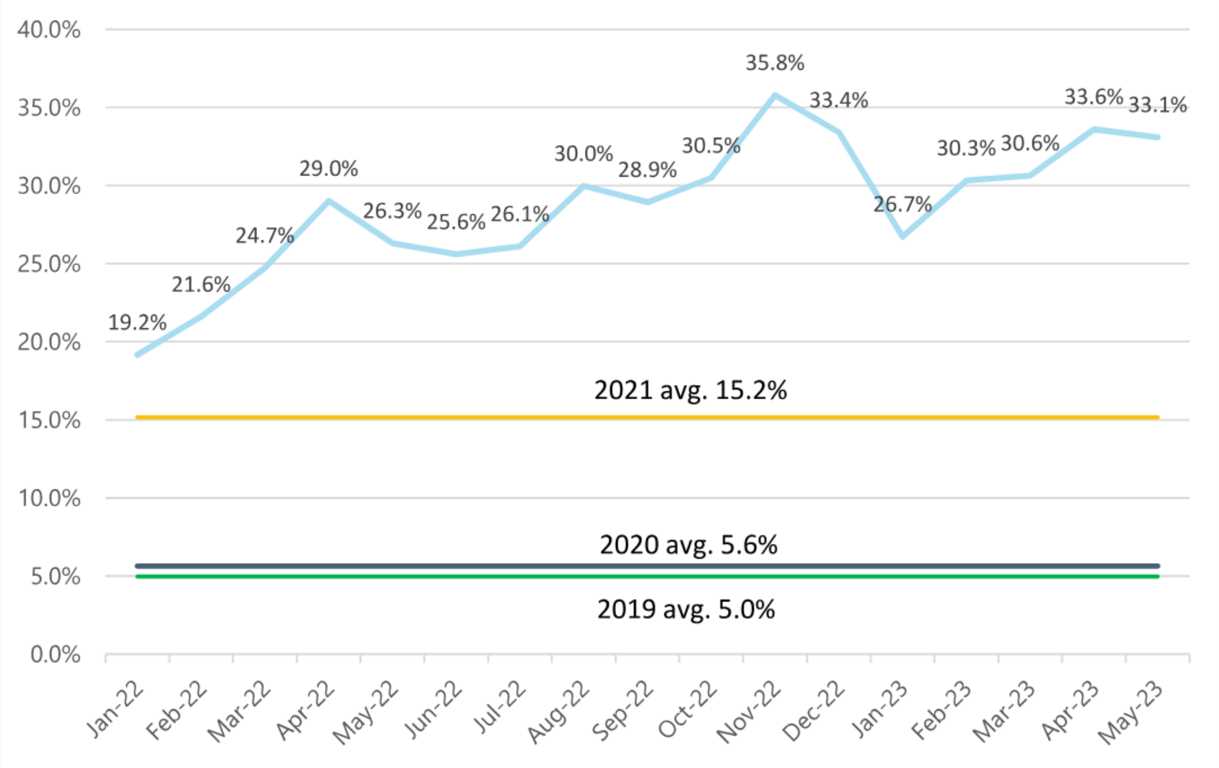
Strong Government support

Supply risks underestimated

China EV Sales Update



China EV Sales



China EV Penetration

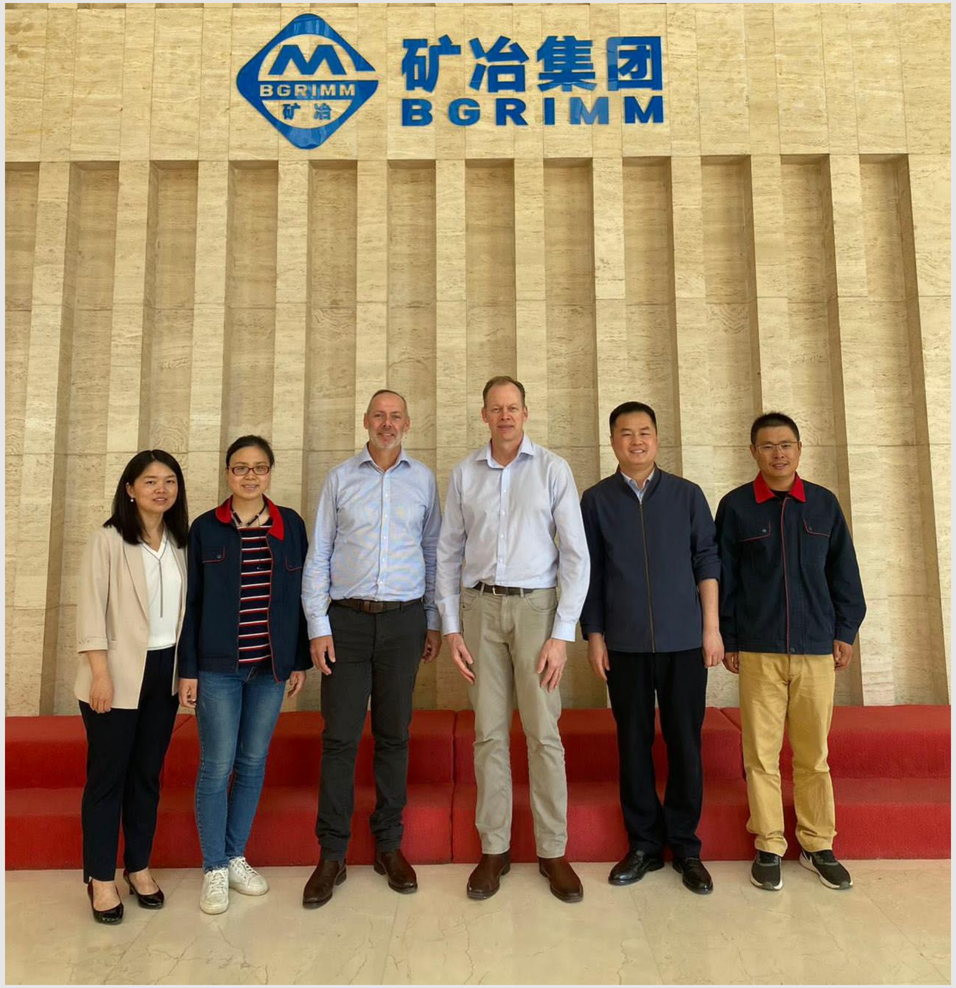
1. CAAM, Jefferies

GL1 Recent China Technical Visit

- China creating policies to promote EV adoption
- Very surprising the prevalence of EV's on the road and number of home brand Chinese car makers
- Downstream refineries are all expanding aggressively with secure feedstock
- Downstream refineries all have some DSO capability either direct ownership or toll treatment
- Near term DSO sales opportunities for merchant Australian lithium producers

GLOBAL Lithium resources

GL1 Recent China Technical Visit



GLOBAL Lithium resources

100% Owned Project 1

Manna Lithium Project

Manna Lithium Project

Geology	• Outcropping spodumene bearing pegmatite • High grade individual pegmatite dykes +20m wide
Manna Deposit	• 100% ownership acquired[1] • **Mineral Resource Estimate of 32.7Mt @ 1.0% Li_2O[2]**
Significant Upside	• Significant exploration upside with resource open at depth and to the NE and SW • **+50,000m** RC and diamond drilling program planned in CY2023
Infrastructure Rich	• Tier 1 lithium mining jurisdiction – gold, nickel and lithium • 100km east of Kalgoorlie • 450km north of Esperance Port

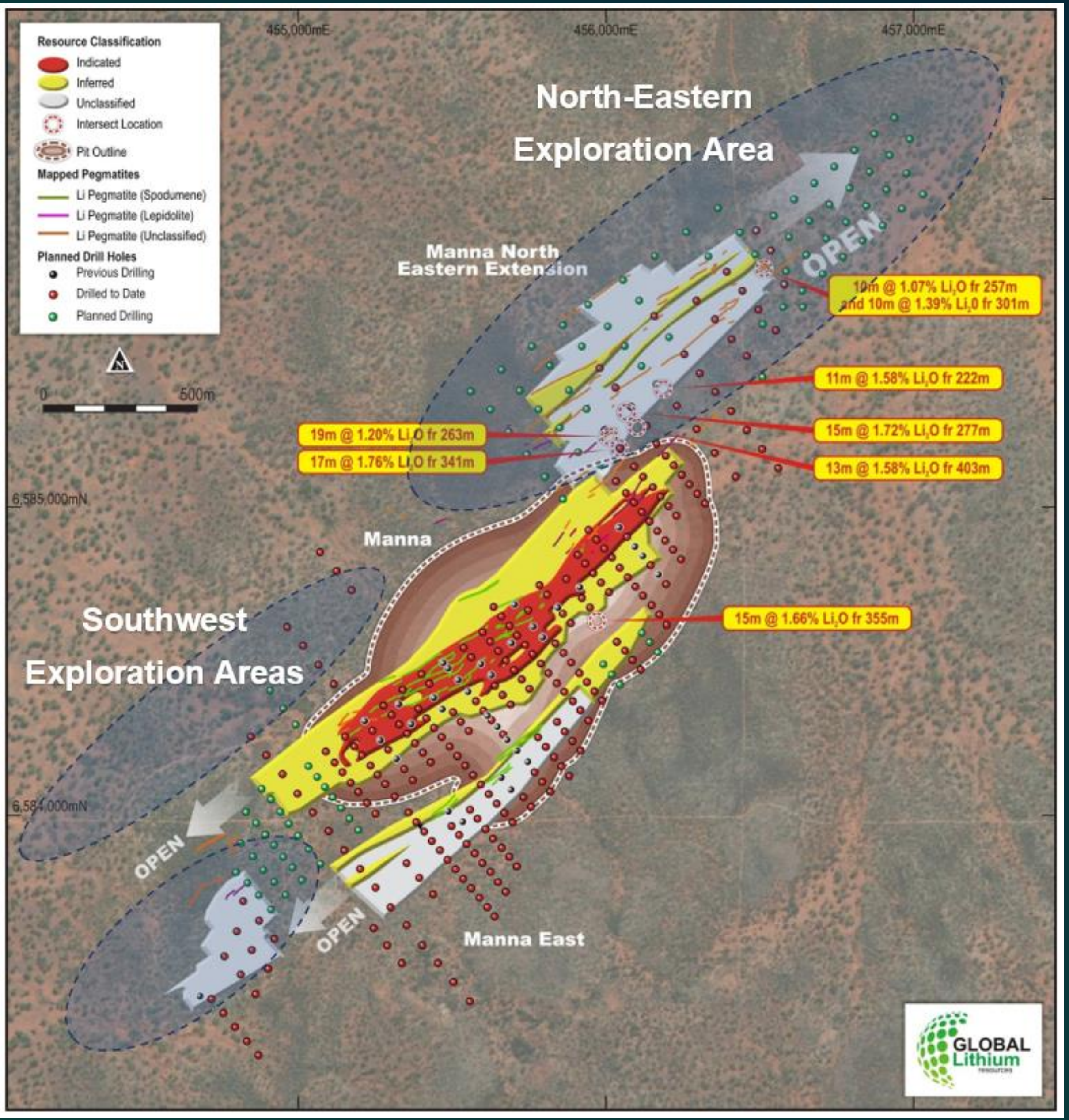
1. Refer ASX release titled "COMPLETION OF MANNA TRANSACTION AND STRATEGIC PLACEMENT", 15 November 2022.
2. Refer ASX release titled "GL1 Delivers Transformative 50.7Mt Lithium Resource Base", 15 December 2022.

GLOBAL Lithium resources

Manna Exploration Upside

Pathway to a Larger Resource at Manna

- Manna is a developing **world class** lithium asset
- Significant new extensions to the Manna resource have been discovered
  - Will likely constitute an extended open pit
- The new extensions are open both along strike and down dip
- Latest results show large, high-grade thick pegmatites
- **+50,000m** RC and Diamond drilling program planned to further increase the resource
- Up to **5 drill rigs** to be deployed in CY23



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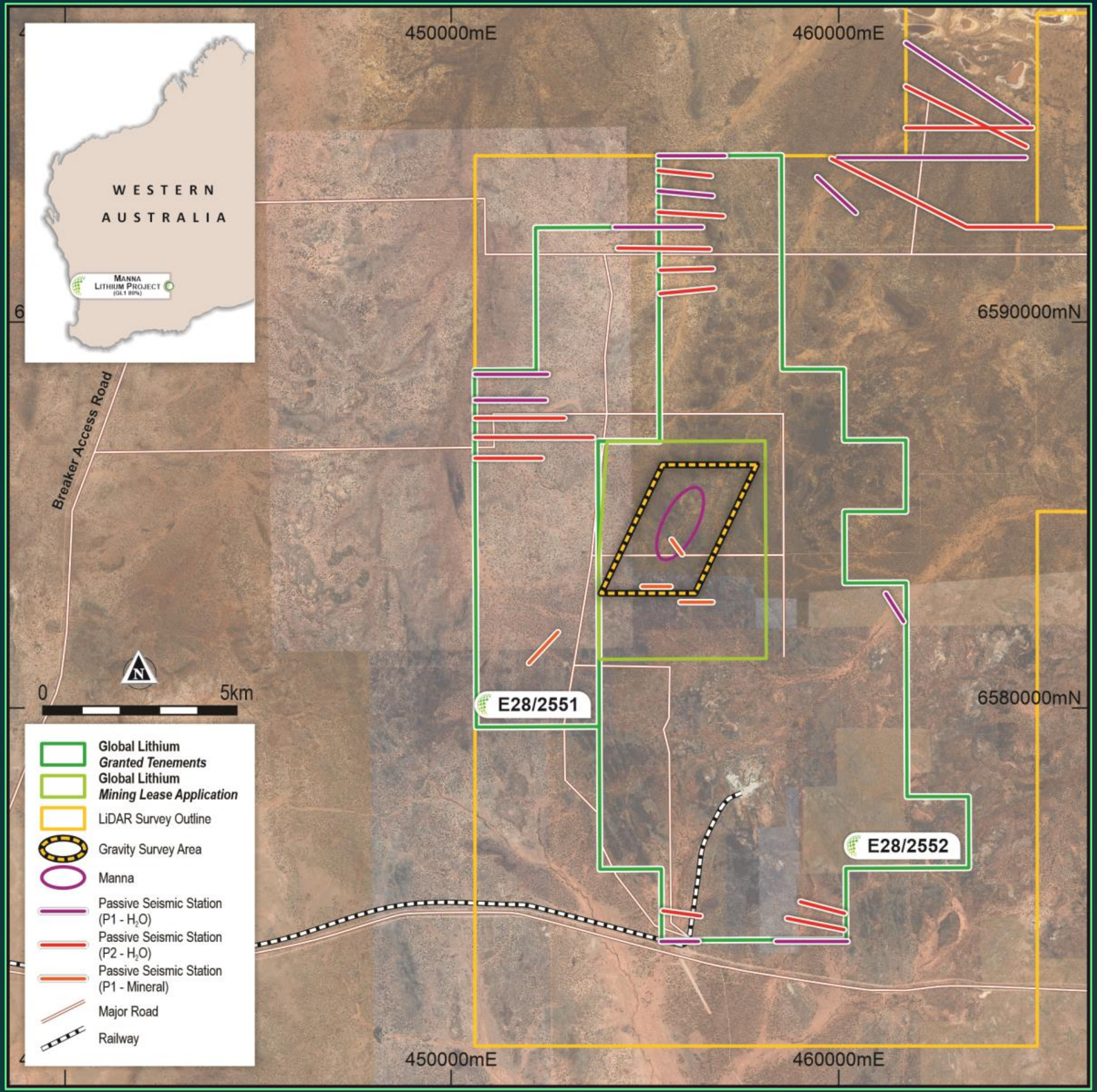
resources

Manna Lithium Project

Exploration Program CY2023

Key technical development steps to progress DFS

- Focus on large, high-grade lithium bearing pegmatites and extension of existing deposit
- Heritage surveys across Mining Lease application areas
- LIDAR and high-resolution Aerial Photography program (Completed)
- Close spaced Gravity survey over Manna deposit (Completed)
- Expanded Geochemical Soil sampling survey (Completed)



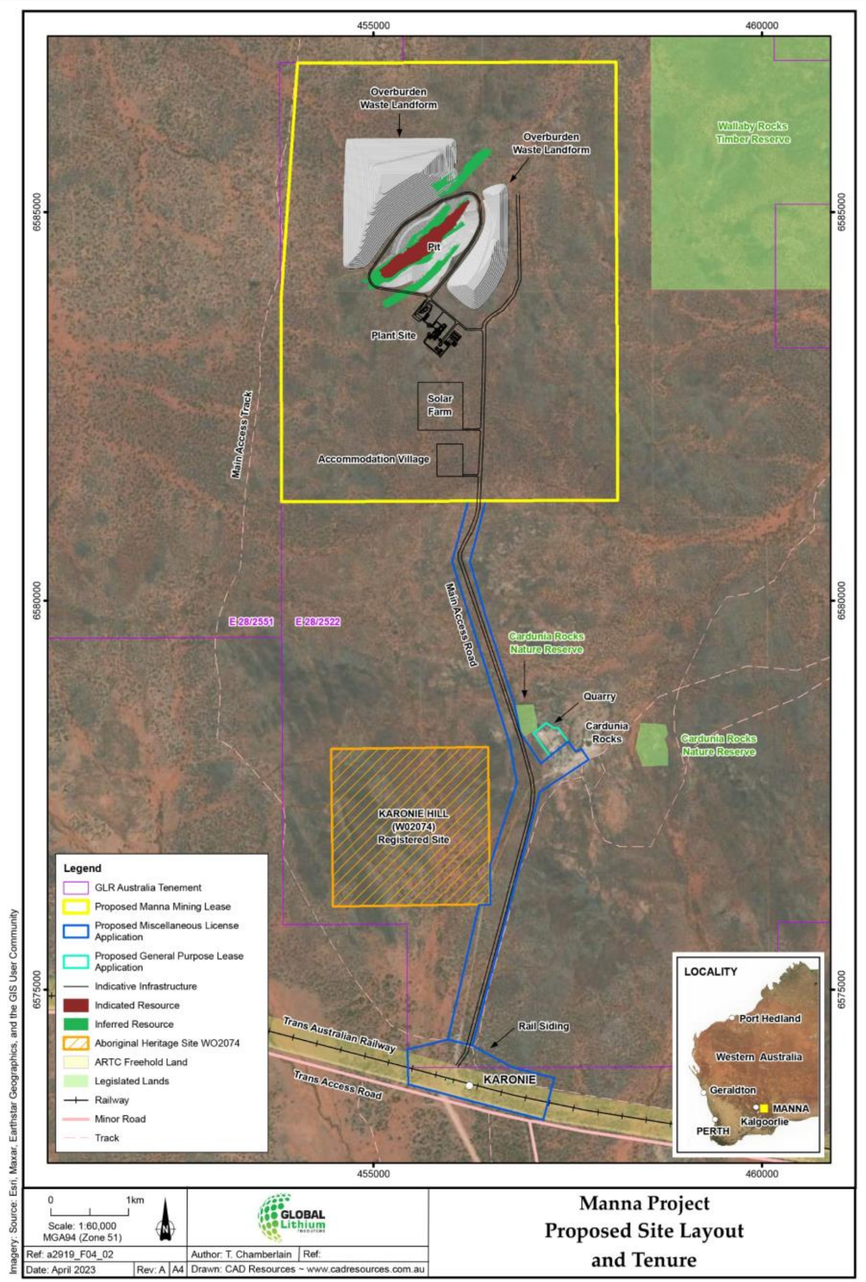
Manna plan view showing exploration activities[1]

1. Refer ASX release titled "LARGE SCALE EXPLORATION PROGRAMS UNDERWAY", 3 May 2023.

Manna Lithium Project

Mining Lease Application

- Mining Lease application (MLA 28/414) lodged with Department of Mines, Industry Regulation and Safety (DMIRS)
- Area of Mining Lease covers 2,406 hectares which includes:
  - Manna deposit and potential resource extensions along strike
  - Process plant
  - Waste rock landforms
  - Other mine operation infrastructure
  - Ancillary services
- Mineralisation Report and Supporting statement peer reviewed
- Technical de-risking work streams and metallurgical test program underway



Manna mining lease map[1]

1. Refer ASX release titled "MINING LEASE APPLICATION LODGED FOR MANNA LITHIUM PROJECT", 26 April 2023.

Manna Lithium Project

Land Access Agreement Signed

- Land Access Agreement for Exploration and Prospecting executed with Kakarra Part B
- Kakarra Part B is the native title claim group for the land underlying Manna Lithium Project
- Agreement sets framework to conduct heritage surveys to support ongoing exploration and development work at Manna
- Native Title Mining Agreement to support Final Investment Decision and project development under discussion

From L to R: Simon Corrigan, Ron Mitchell, Michael Tucker, Tom Graham, Travis Tucker and Nicole Stein in Kalgoorlie following execution of the Agreement.

1. Refer ASX release titled “LAND ACCESS AGREEMENT SIGNED FOR MANNA LITHIUM PROJECT”, 16 June 2023.

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Manna Lithium Project

Definitive Feasibility Study (DFS)

- Experienced Lithium engineering consultant Wave International has commenced the DFS[1]
- Feasibility Study results expected in Q4 CY2023
- Final Investment Decision (FID) in CY2024
- Further Mineral Resource updates to follow incorporating additional **+50,000m** of drilling
- Bulk metallurgical and ore variability test work underway
- Various work programs to improve project economics
- Environmental and heritage work activities underway

GL1 Geology Team and MD inspecting the core at site

1. Refer ASX release titled "WAVE INTERNATIONAL APPOINTED LEAD DFS ENGINEER", 28 March 2023.

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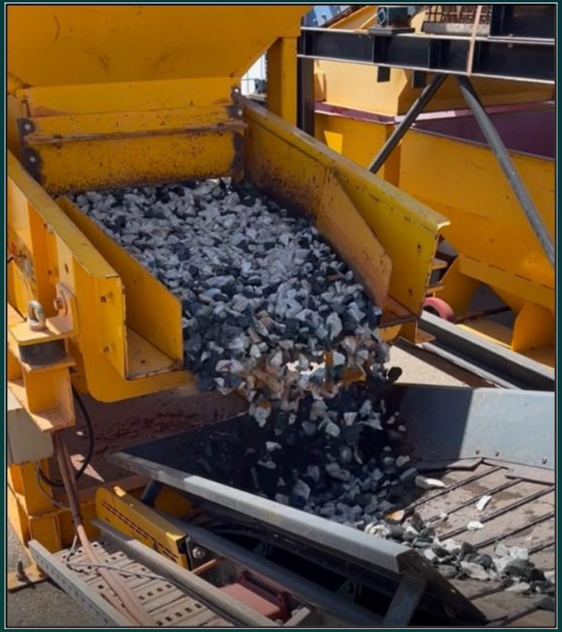
Ore Sorting Trials Completed

Trials deliver 90% increase in lithium grade[1]

- Potential to expand total minable tonnes and head grade
- Test run elevated head grade from 0.88% Li_2O to 1.67% Li_2O
- Iron reduction of 93% to 0.4% Fe
- Trials performed at Steinert test facility, Western Australia
- Further test work planned to refine and improve the process



Steinert ore sorting machine (top) and Manna ore entering the sorter (bottom)

1. Refer ASX release titled "MANNA ORE SORTING TRIAL DELIVERS 90% INCREASE IN LITHIUM GRADE", 30 May 2023.

100% Owned Project 2

Marble Bar Lithium Project

Marble Bar Lithium Project

Highly Prospective Geological Setting

Geology

- Spodumene bearing pegmatite hosted in greenstone and granite contact
- Demonstrates similar geological settings to the nearby Pilgangoora[1] and Wodgina[2] deposits

Resource

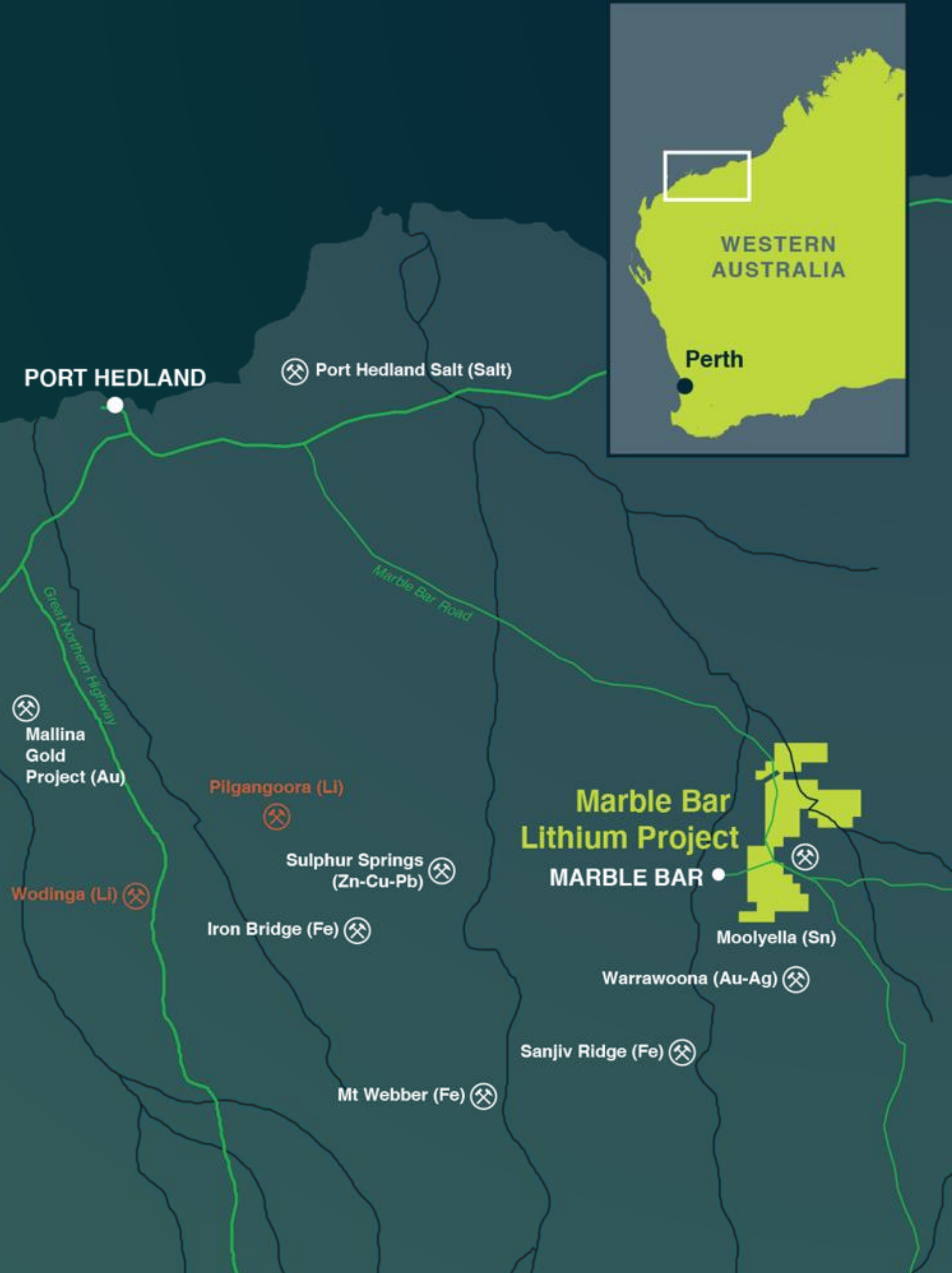
- Inferred Mineral Resource of **18.0Mt @ 1.0% Li_2O**[3]
- Lithium mineralisation in drilling identified over 15km

Significant Upside

- **Highest grade lithium assays delivered to date**[4]
- 48,528m of RC drilling completed in CY2022
- More than **25km greenstone strike** in highly prospective area
- Highly prospective gold and base metal targets will be tested in 2023

Infrastructure Rich

- 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.
4. Refer ASX release titled “Highest Grade Lithium Assays Delivered to Date at Marble Bar Lithium Project”, 2 May 2022

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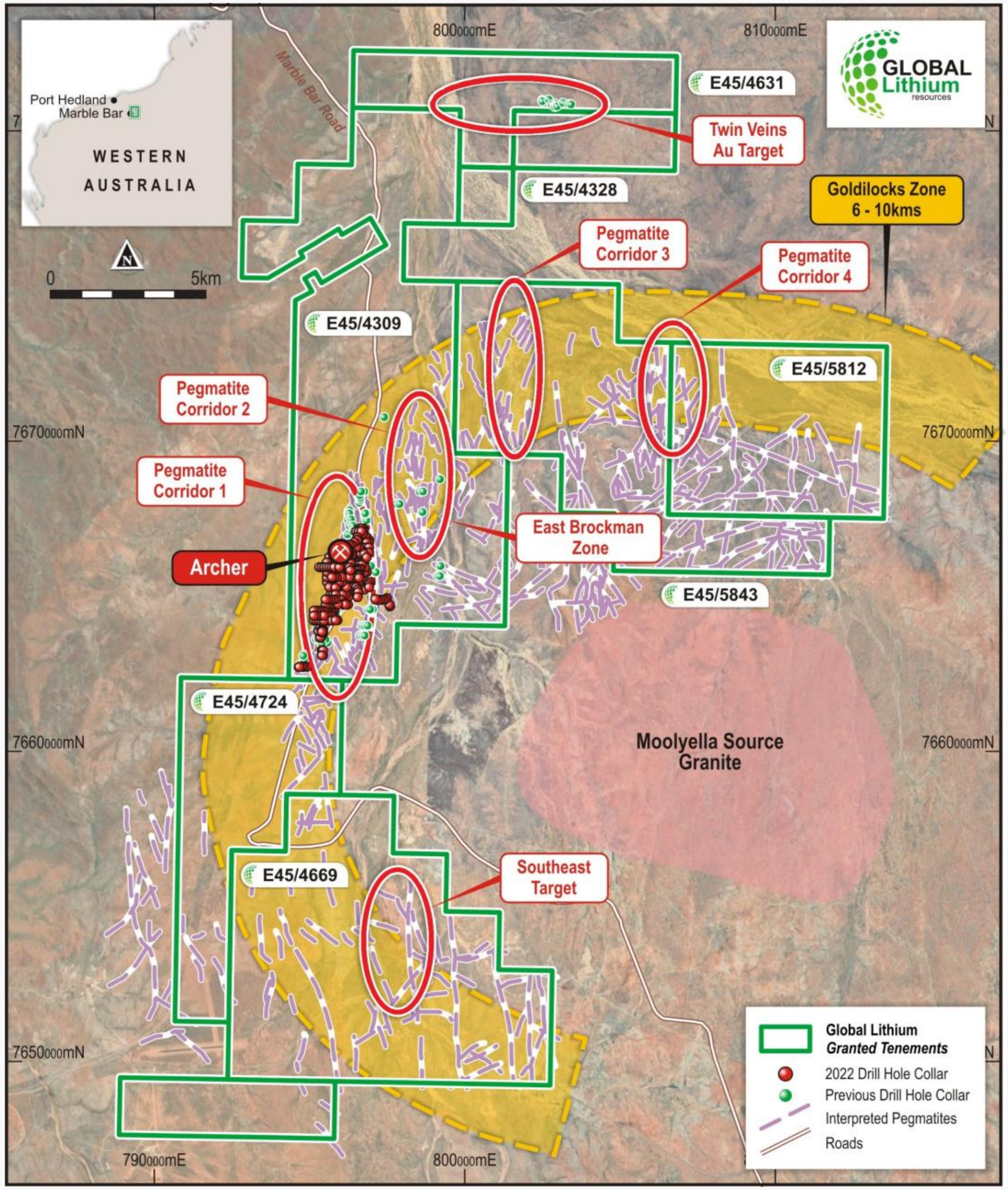
Marble Bar Lithium Project

Results Demonstrate Upside Potential

Highest grade lithium assays delivered to date[1]

- A large 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



Pegmatite Exploration Target Areas[2]

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 AT MARBLE BAR LITHIUM PROJECT", 1 August 2022

Marble Bar Lithium Project

Exploration Program CY2023

Drilling underway to test and expand Archer deposit and other lithium corridors[1]

- Heritage surveys completed across Corridor 2 and Twin Veins targets
- Commenced RC drilling program (20,000m)
- IP Survey across Twin Veins to highlight potential chargeability anomalies
- RC program to test Corridor 2 Lithium targets and Gold and base metal anomalies at Twin Veins and any identified chargeability anomalies

1. Refer ASX release titled “DRILLING UNDERWAY AT MARBLE BAR LITHIUM PROJECT”, 14 jUNE 2023.

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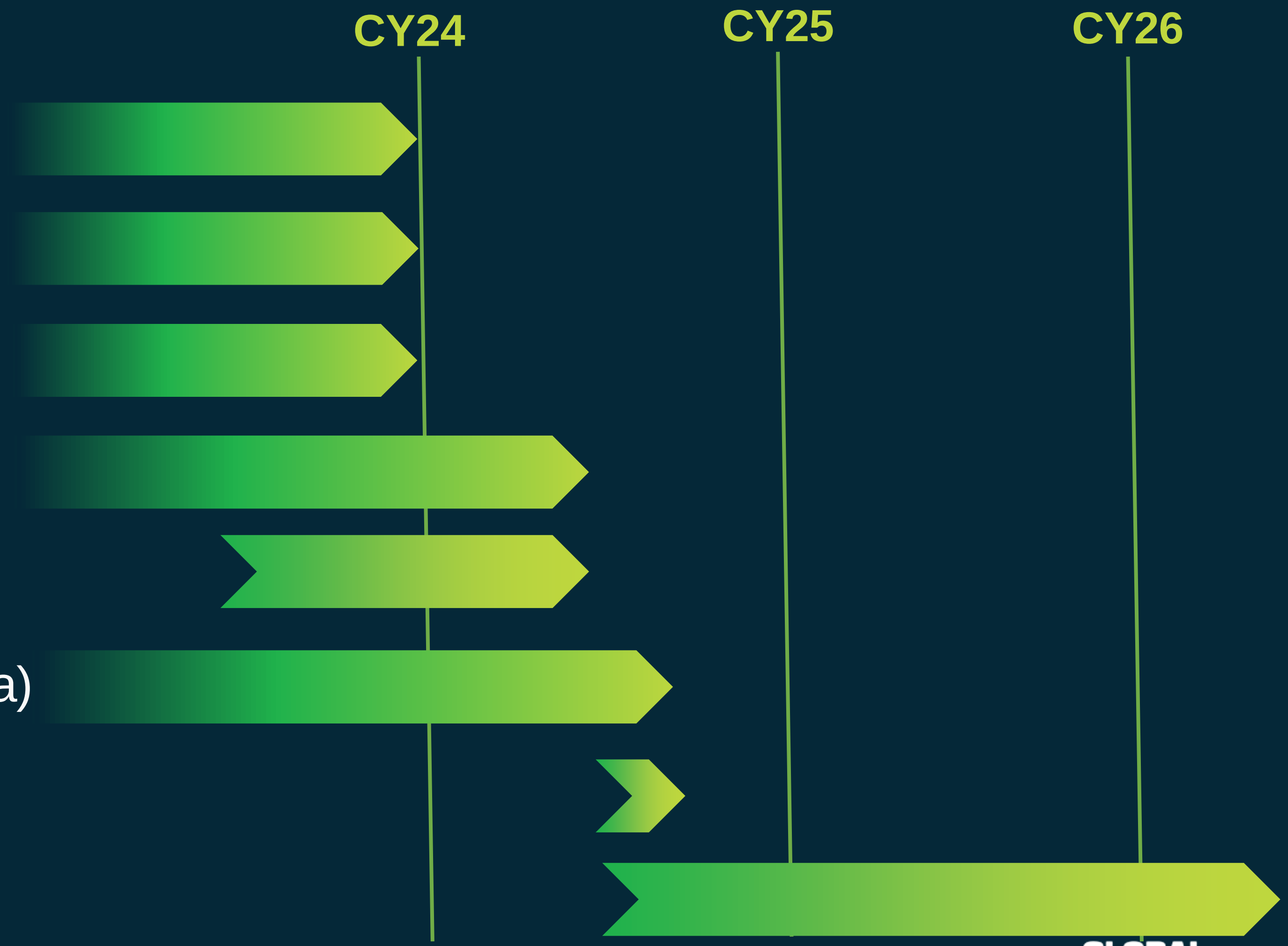
Key Milestones

Global Lithium Resources

- Exploration (MBLP & Manna)
- DFS and Ore Reserve (Manna)
- Metallurgical test work & DSO PFS (Manna)
- Downstream lithium studies (Manna)
- Resource upgrades (MBLP & Manna)
- Environmental / Native Title approvals (Manna)
- Final Investment Decision (Manna)
- Construction & SOP (Manna)



Note: The timetable and exploration program are indicative and subject to change.

A Clear Strategy - Positioned for Growth

Strategic Positioning

Positioned in the World's best mining jurisdiction, strong team driven by ESG fundamentals

Value Accretive

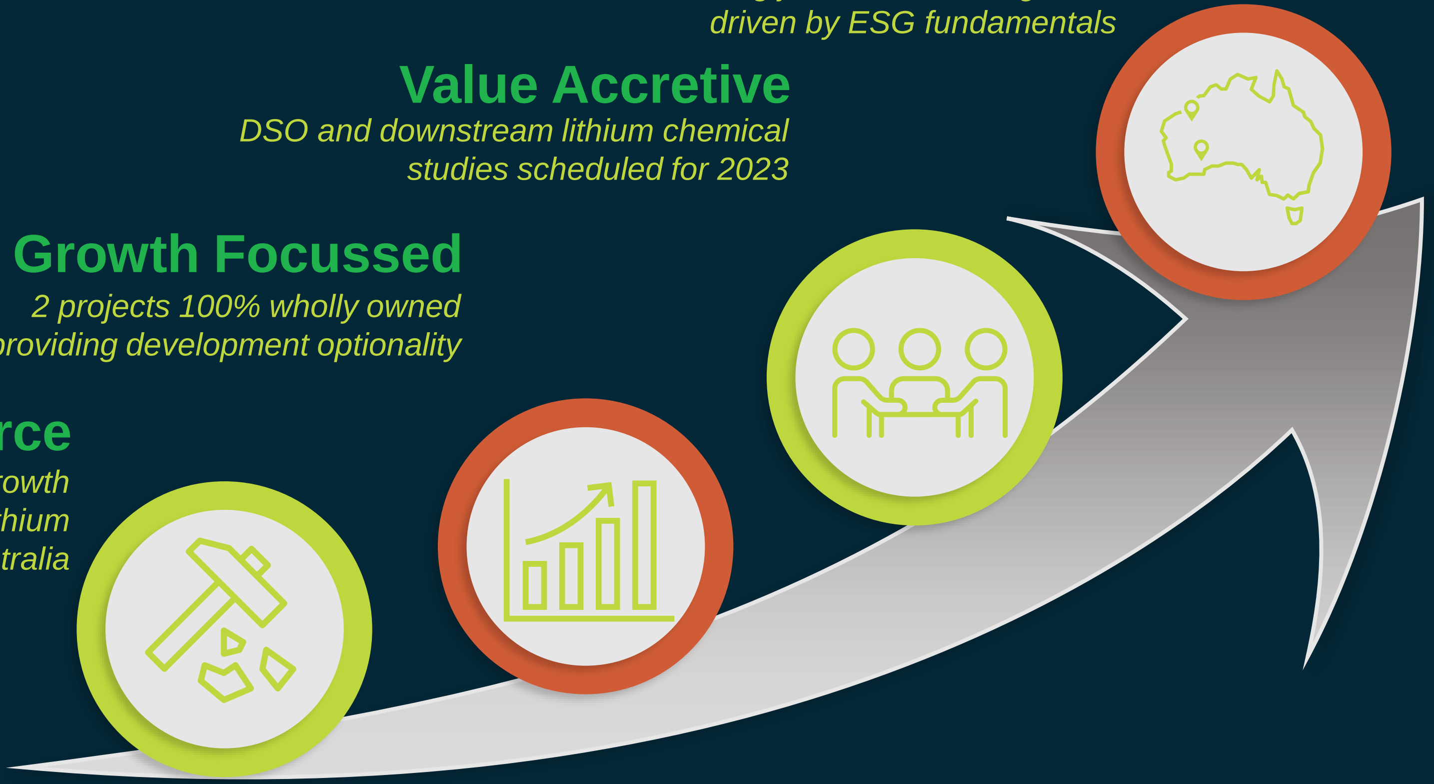
DSO and downstream lithium chemical studies scheduled for 2023

Growth Focussed

2 projects 100% wholly owned providing development optionality

Scalable Resource

50.7mt Li_2O resource with clear growth potential, GL1 owns 2 of only 14 JORC lithium resources in Australia



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B416
LAKERS


DevelopmentWA
GOLDFIELDS
ABORIGINAL
BUSINESS
SERVICES WA


BE MAGICAL

GL1 Purpose & Values – It's who we are that matters

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.

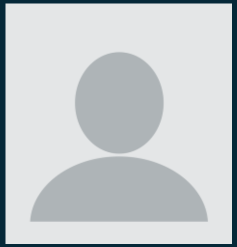
SUSTAINABILITY
We do the right thing while providing responsible returns to people and the planet.

INNOVATION
We empower people to innovate for the better.

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

GLOBAL Lithium resources

Board & Strategy



Geoff Jones
Non-Executive Chair

Current CEO of MACA Interquip, Non-Executive Director of Rumble Resources (ASX:RTR) and Non-Executive Chair of Ausgold Ltd (ASX:AUC). Previous MD of GR Engineering Services (ASX:GNG). 35 years experience in engineering, project delivery and management in minerals processing.

Dr Dianmin Chen
Non-Executive Director

Founder of Global Lithium with 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 and Cobalt Committee; Former Sales Director of Tianqi Lithium & Talison Lithium; 13 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.

Greg Lilleyman
Non-Executive Director

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

Warrick Hazeldine
Non-Executive Director

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.

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

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.

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.

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 AuzIMM.

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.

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.

Nicole Stein

Community Relations Manager

Experienced community relations and strategic communications professional with 20 years living and working in regional Western Australia.

Matt Holmes

Principal Environmental Consultant

Owner/Principal of Significant Environmental Services with 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.

GLOBAL Lithium resources

Global Lithium – Mineral Resources

Project Name	Category	Million Tonnes (Mt)	Li_2O%	Ta_2O_5 ppm
Marble Bar	Indicated	3.8	0.97	53
	Inferred	14.2	1.01	50
	Subtotal	**18.0**	**1.00**	**51**
Manna	Indicated	18.5	1.03	45
	Inferred	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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