



GLOBAL LITHIUM RESOURCES

Investor Presentation

July 2024

ASX:GL1

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GL1 Corporate Snapshot (23 July 2024)

Market Cap

A\$68.9m

Share Price

A\$0.27

Shares on issue

260m

Options¹

11.7m

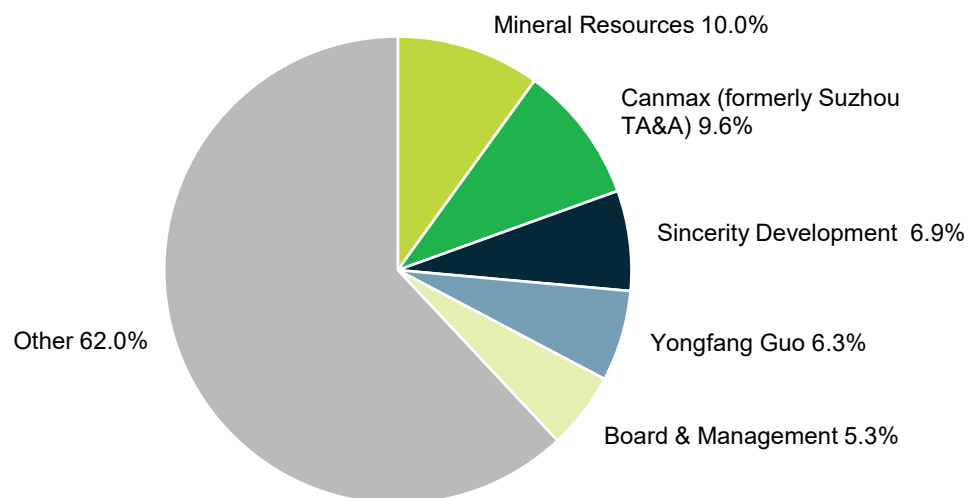
Cash²

A\$27m

Equity in ASX:KAL^{3&4}

A\$2.4m (10%)

Share Register



¹ Including various tranches of performance rights. ² As of 30 June 2024 ³ Refer ASX release titled "MANNA LITHIUM PROJECT EXPANSION OF REGIONAL INTERESTS", 26 JUNE 2023, incl. Right Issue of 44m shares. ⁴ As of 23 July 2024

ASX share price performance



Board



Ron Mitchell
Executive Chair



Dr Dianmin Chen
Executive Director



Hayley Lawrance
Non-Executive Director



Greg Lilleyman
Non-Executive Director



Kevin Hart
Company Secretary

Key Highlights – Q2 CY24

- The Manna Lithium Deposit **Mineral Resource Estimate (MRE) increases by 43% to 51.6Mt @ 1.0% Li₂O** positioning the project as the 2nd largest lithium resource in the Kalgoorlie Lithium Province
- **26% increase** in total contained Li₂O from 406,000 tonnes to **515,000 tonnes Li₂O**
- Contained **Lithium Carbonate Equivalent (LCE) of 1,276 Kt**
- **63% increase** in Indicated JORC classification to **32.9Mt @ 1.04% Li₂O**
- New MRE model to be utilised in the Manna Definitive Feasibility Study (DFS), expected to be released in H2 CY24
- Continued engagement with Kakarra Part B Native Title Group to finalise **Native Title Mining Agreement**
- **6,000m Reverse Circulation (RC) drilling program commenced** at the Manna Lithium Project
- RC drill rig is targeting pegmatite extensions southwest along strike from the Manna Resource following up on the 21m @ 0.99% Li₂O from 91m intersected in MRC0312
- Exploration Incentive Scheme (EIS) grant awarded by WA Government for gold-silver-copper drilling at the Marble Bar Lithium Project

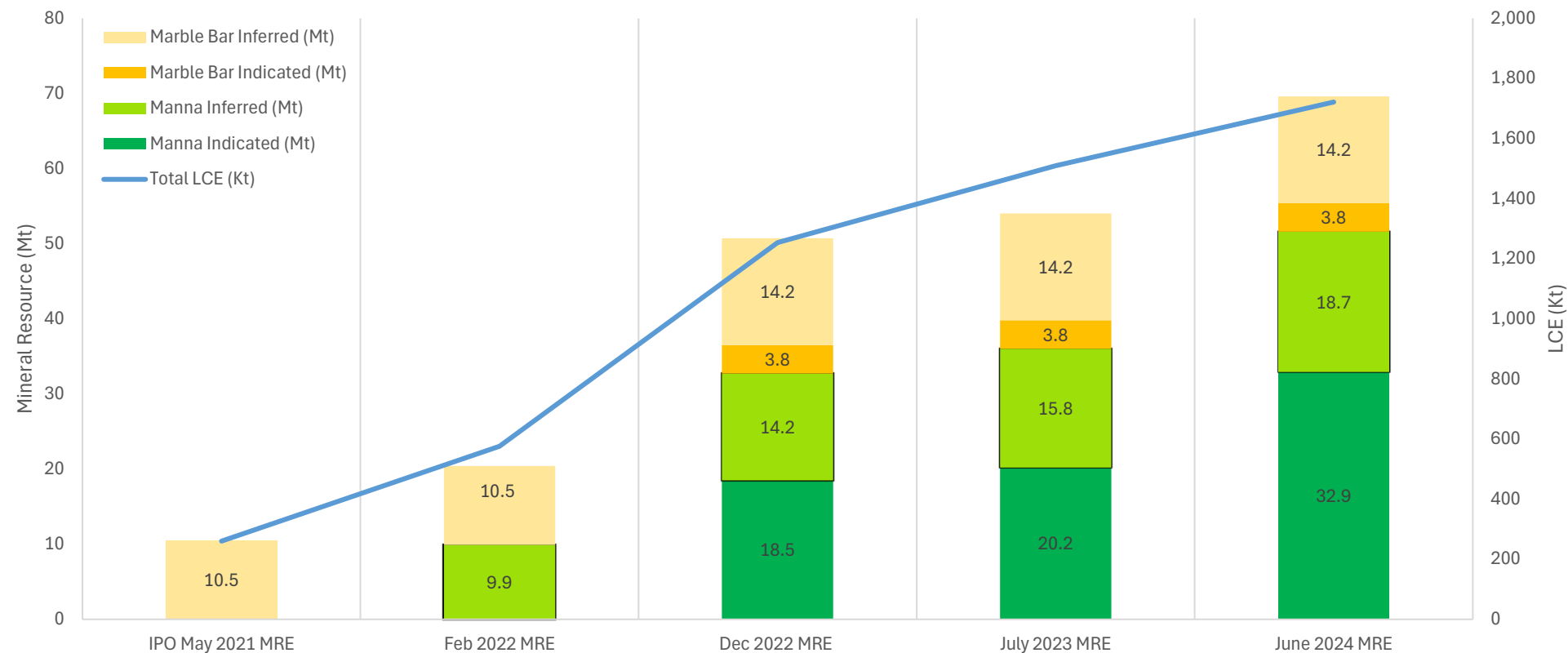


Lithium Resource Growth Since IPO 2021



Manna Lithium Project: 51.6Mt @ 1.0% Li₂O | Marble Bar Lithium Project: 18Mt @ 1.0% Li₂O

Manna & Marble Bar Lithium Project
Resource Growth and Classification Breakdown



1 Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6Mt @ 1.0% Li₂O", 12 June 2024

MANNA LITHIUM PROJECT

- 100% owned
- Infrastructure rich, Tier 1 mining jurisdiction
- Spodumene dominant hard rock lithium pegmatite
- Current Indicated & Inferred Mineral Resource of **51.6Mt @ 1.0% Li₂O**
- Definitive Feasibility Study to conclude in CY24

Kalgoorlie Lithium Province – Manna is the 2nd Largest Resource



Major Mines & Projects



City of Kalgoorlie-Boulder



Access to Railway



Access Road



Repeater Station
(Fibre link connection)

High-speed Data



Utilities





Exploration

- Two years of intensive exploration:
 - CY22 – 46,000m¹
 - CY23 – 60,000m²
 - MRE (**51.6Mt @ 1.0%**) based on historical, CY22 and CY23 drilling³
- CY23 infill drilling has increased confidence in resource classification
- 6,000m RC exploration drilling campaign underway at Manna⁴
- Resource open at depth and in multiple directions
- Direct and indirect landholding increased 280% to 700km² in 2023

¹ Refer ASX release titled "COMPLETION OF MANNA TRANSACTION AND STRATEGIC PLACEMENT", 15 November 2022.

² Refer ASX release titled "2023 MANNA DRILLING PROGRAM COMPLETES", 8 December 2023

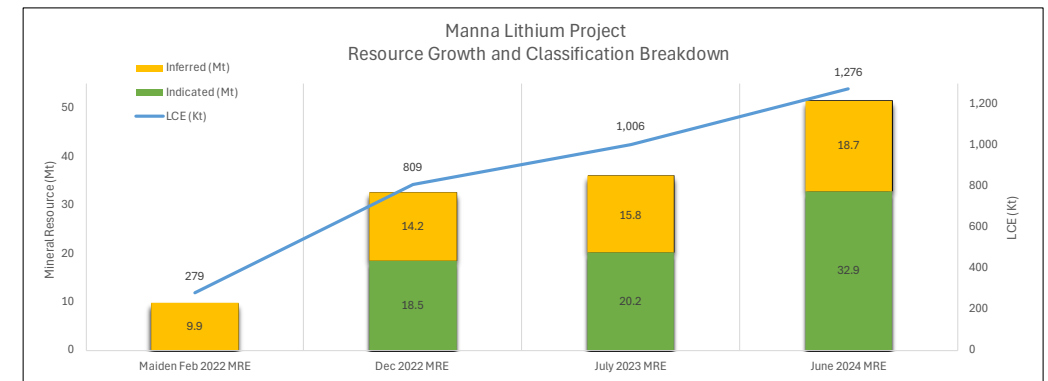
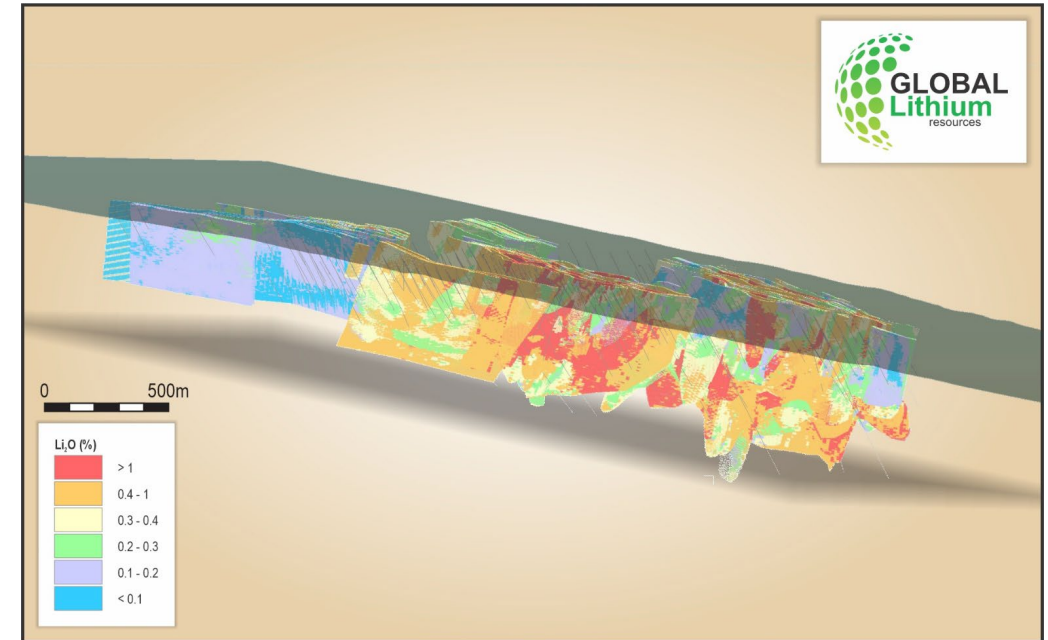
³ Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6MT @ 1.0% LI₂O", 12 June 2024

⁴ Refer ASX release titled "DRILLING UNDERWAY AT MANNA", 2 May 2024

Mineral Resource Estimate Upgrade

Manna is the 2nd largest lithium resource in the Kalgoorlie Lithium Province

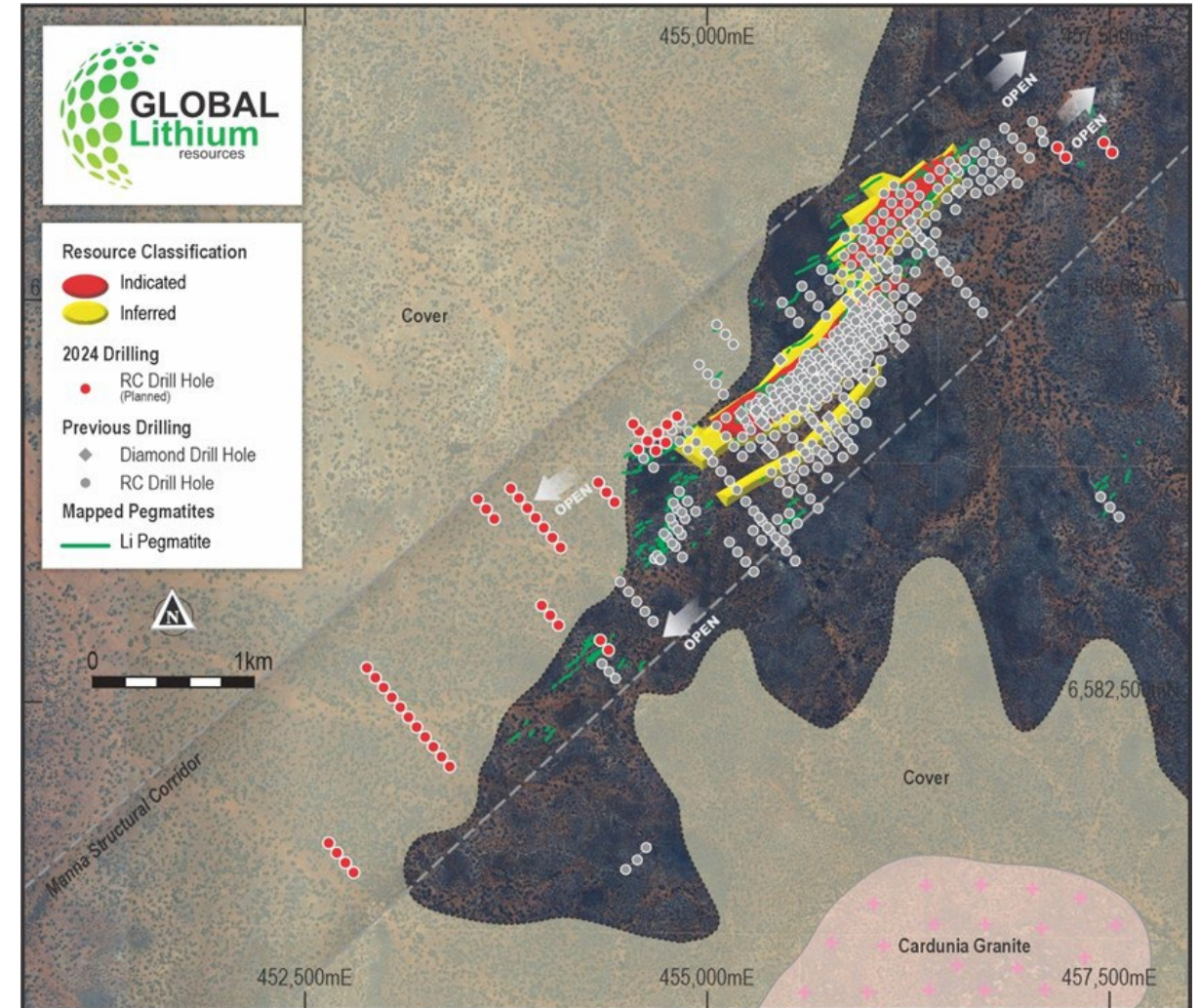
- Manna Lithium Deposit MRE grows to **51.6Mt @ 1.0% Li₂O**¹
- **43% increase** in Manna Mineral Resource tonnes to **51.6Mt**
- **63% increase** in indicated JORC classification to **32.9Mt @ 1.04% Li₂O**
- **26% increase** in total contained Li₂O from 406,000 tonnes to 515,000 tonnes Li₂O
- Contained **Lithium Carbonate Equivalent (LCE)** of **1,276Kt**
- New MRE model to be used in Manna Definitive Feasibility Study currently underway



Exploration – resource extension

Results received from over 100,000m of RC and Diamond Drilling completed in CY22 & 23¹

- Manna Central resource area continues to demonstrate continuity and high-grades
- Manna pegmatites have returned grades $>1\%$ Li_2O over a 3.2km strike length to a 450m vertical depth
- 6,000m RC drill program testing extension of the Manna pegmatite system undercover to the southwest nearing completion
- Future infill drill program to be defined following conclusion of current resource extension drilling



¹ Refer ASX release titled "FINAL RESULTS RECEIVED FROM 2023 MANNA DRILLING PROGRAM", 20 March 2024

² Refer ASX release titled "HIGH-GRADE DRILLING RESULTS CONTINUE AT MANNA", 19 December 2023

³ Refer ASX release titled "DRILLING UNDERWAY AT MANNA", 2 May 2024

Definitive Feasibility Study – Nearing Completion

- DFS and related metallurgical studies well advanced
- DFS to conclude in CY24 and incorporate:
 - ✓ Updated MRE including all CY23 drilling program results
 - ✓ Detailed open pit and underground mine schedules
 - ✓ Optimised metallurgical testwork results
 - ✓ Detailed operating and capital cost estimates
- Plant layout being optimised for constructability and reduce site construction hours
- SRK performing independent mining technical peer review
- GR Engineering Services (ASX:GNG) performing independent CAPEX review



Manna Lithium Project Plant 3D Model

Land Access- Well Advanced

Mining Lease

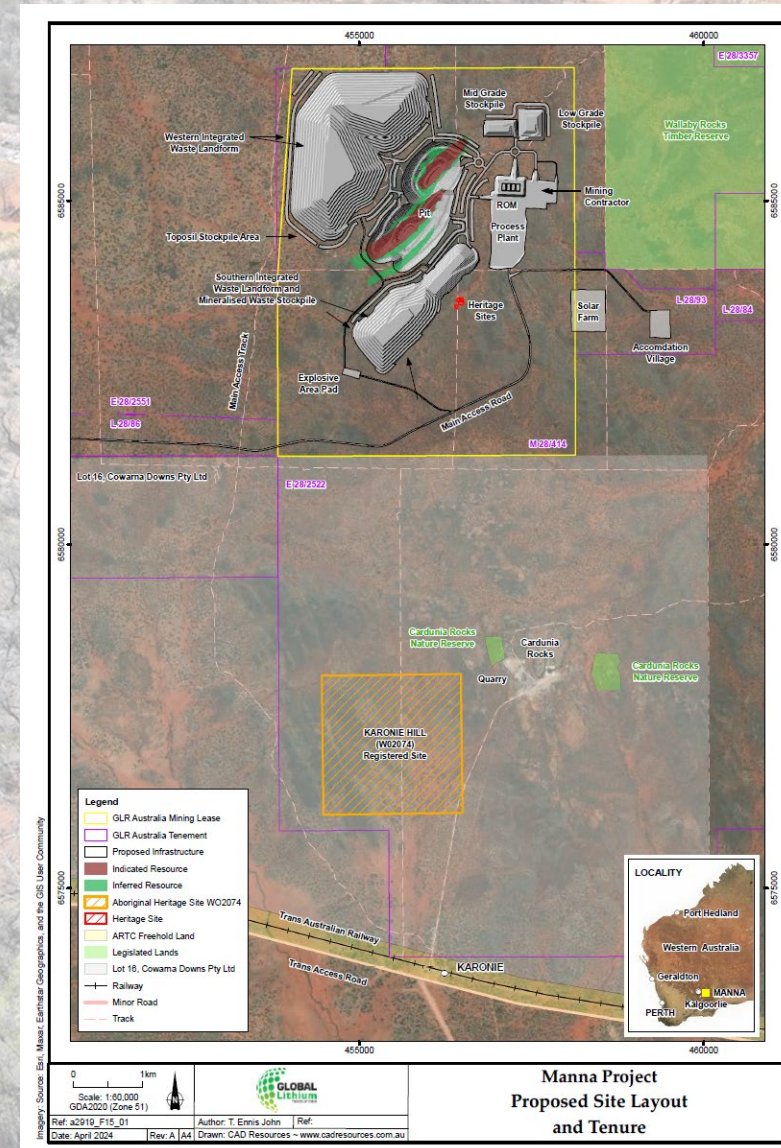
- Mining Lease application (MLA 28/414) lodged with Department of Energy, Mines, Industry Regulation and Safety (DEMIRS)
- Mine layout has been finalised

Native Title

- Native Title Mining Agreement (NTMA) negotiation nearing completion

Miscellaneous Licences

- Applications lodged for village, airstrip, infrastructure corridors and access roads



Manna mining lease application map

Approvals – Heritage & Environmental









Activities	Status
Heritage	
Heritage Surveys	<ul style="list-style-type: none"> Completed over Mining Lease with no culturally significant sites impacted
Environmental	
Flora and Fauna surveys	<ul style="list-style-type: none"> Completed over Mining Lease with no significant impacts identified
Mining Proposal and Mine Closure Plan	<ul style="list-style-type: none"> Applications well advanced To be lodged upon grant of Mining Lease
Works Approval and Native Vegetation Clearing Permit applications	<ul style="list-style-type: none"> Applications well advanced



Manna Heritage Survey – July 2023

Upcoming Milestones - De-risked and Disciplined

Well positioned to capture significant upside with anticipated lithium market recovery

Global Lithium Resources	Q3 CY24	Q4 CY24	Q1 CY25	Q2 CY25
Metallurgical Test Results / Ore Sorting Trials				
Underground Mining Pre-Feasibility Study				
CY24 Exploration Drilling Program and Results				
Manna Lithium Project Mineral Reserve				
Environmental / Native Title Approvals				
Anticipated Mining Lease Grant				
Definitive Feasibility Study				
Manna Project Funding & FID (Base Case)				

MARBLE BAR LITHIUM PROJECT

- 100% owned
- Tier 1 mining jurisdiction
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li₂O



Highly Prospective Geological Setting

Geology

- Spodumene bearing pegmatite hosted in greenstone and granite contact
- Similar geological settings to nearby Pilgangoora¹ and Wodgina² deposits

Resource

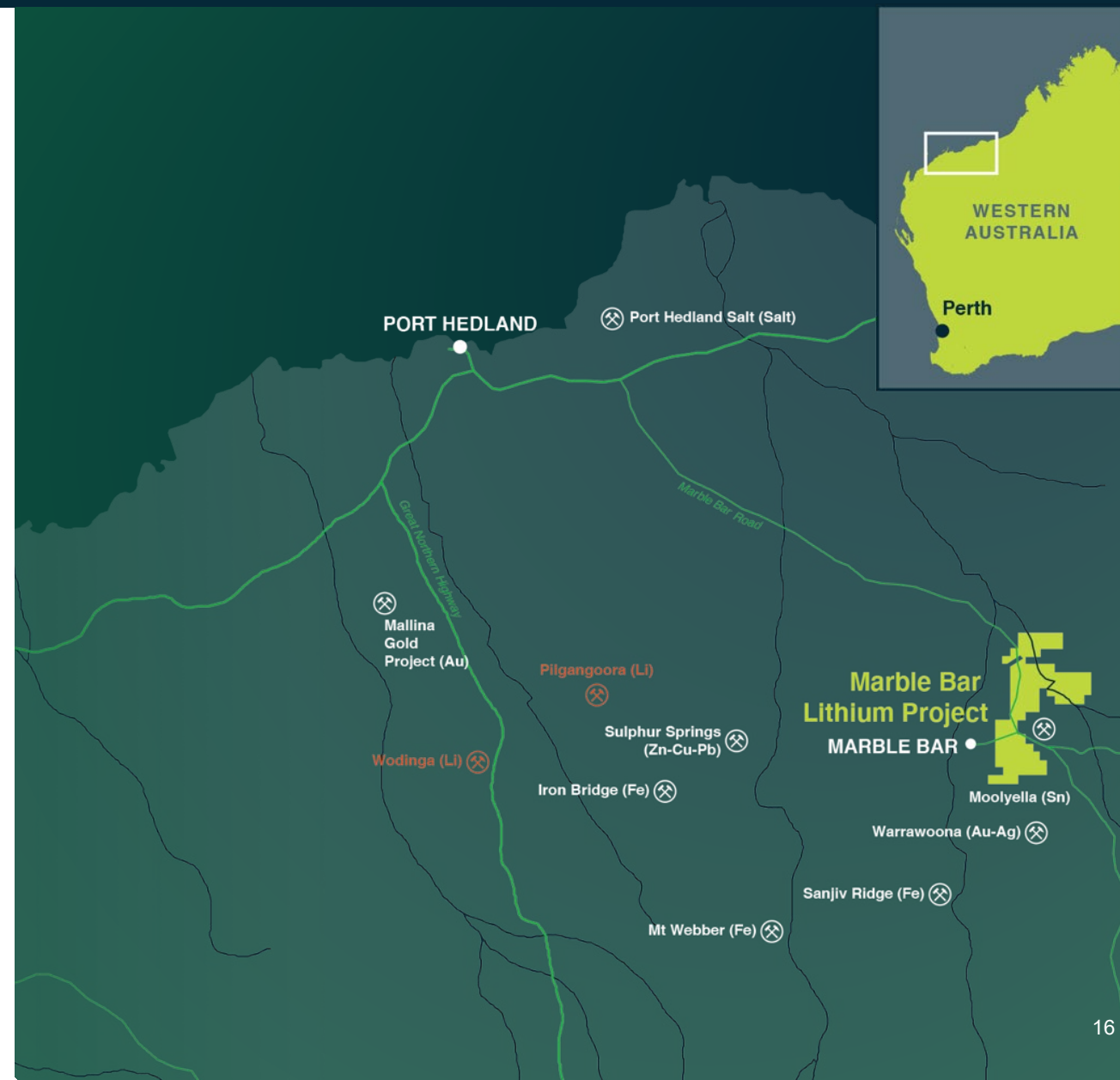
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li₂O³
- Lithium mineralisation in drilling identified over 15km

Exploration Upside

- Highest grade lithium assays delivered to date⁴
- Highly prospective gold and base metal targets tested in 2023 – growth opportunities being investigated

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.

Strategic Highlights

Multi-asset development optionality

- Combined Mineral Resource of **69.6Mt @ 1.0% Li₂O**¹
- Two projects provide development optionality and funding alternatives
- **70% offtake** uncontracted

JORC compliant resources

- **Wholly owned 2 JORC** compliant lithium resources in Australia
- Spodumene dominant hard rock lithium deposits
- Outstanding metallurgy +75% lithia recovery

Tier 1 Jurisdiction

- Located in **world's best lithium mining jurisdiction of Western Australia**
- Close to existing lithium projects and **major infrastructure**

Strategic partnerships and well-funded

- **Strategic partnerships** with blue-chip counterparties - Canmax and Mineral Resources (ASX:MIN)
- **Well-capitalised with strong balance sheet** to achieve key milestones towards FID on Manna

Experienced Board, strong lithium credentials

- **Experienced Board** and management team with deep background in mining, exploration and project development
- Executive Chair is **Chair of the LME Lithium and Cobalt Committee**

Value accretive, de-risked and growth focused

- DFS well advanced
- All material approvals nearing conclusion
- Actively investigating M&A opportunities
- **Mining Lease on track for granting in CY24**



¹ Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6MT @ 1.0% LI₂O", 12 June 2024

Global Lithium – Mineral Resources

Project Name	Category	Million Tonnes (Mt)	Li ₂ O%	Ta ₂ O ₅ ppm
Marble Bar ²	Indicated	3.8	0.97	53
	Inferred	14.2	1.01	50
	Subtotal	18.0	1.00	51
Manna ¹	Indicated	32.9	1.04	52
	Inferred	18.7	0.92	50
	Subtotal	51.6	1.00	52
Combined Total		69.6	1.00	52

¹ Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6MT @ 1.0% Li₂O", 12 June 2024

² Refer ASX release titled "GL1 Delivers Transformative 50.7 Mt Lithium Resources Base", 15 December 2022

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