GLOBAL LITHIUM RESOURCES
Investor Presentation

July 2024

ASX:GL1

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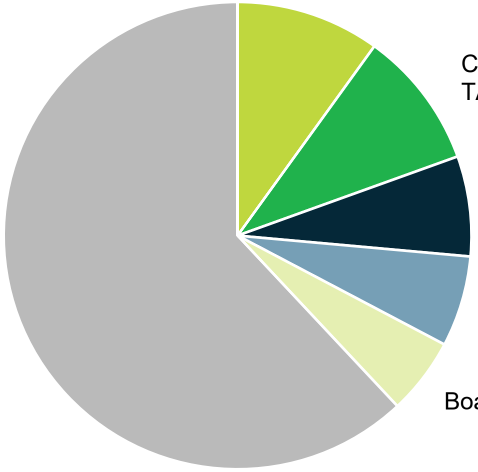
GL1 Corporate Snapshot (23 July 2024)

Market Cap	Share Price	Shares on issue
A$68.9m	A$0.27	260m

Options[1]	Cash[2]	Equity in ASX:KAI[3&4]
11.7m	A$27m	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

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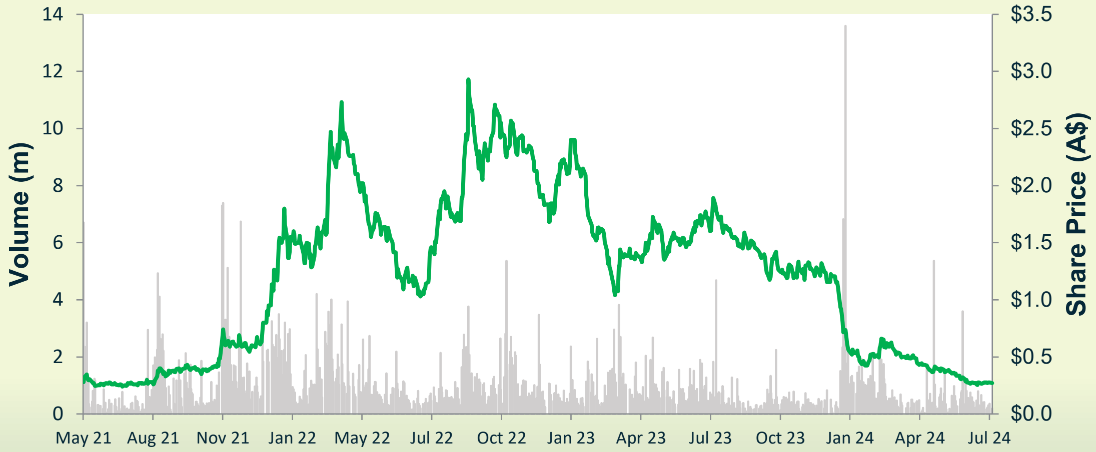
ASX share price performance



Board

Ron Mitchell
Executive Chair

Dr Dianmin Chen
Executive Director

Hayley Lawrance
Non-Executive Director

Greg Lilleyman
Non-Executive Director

Kevin Hart
Company Secretary

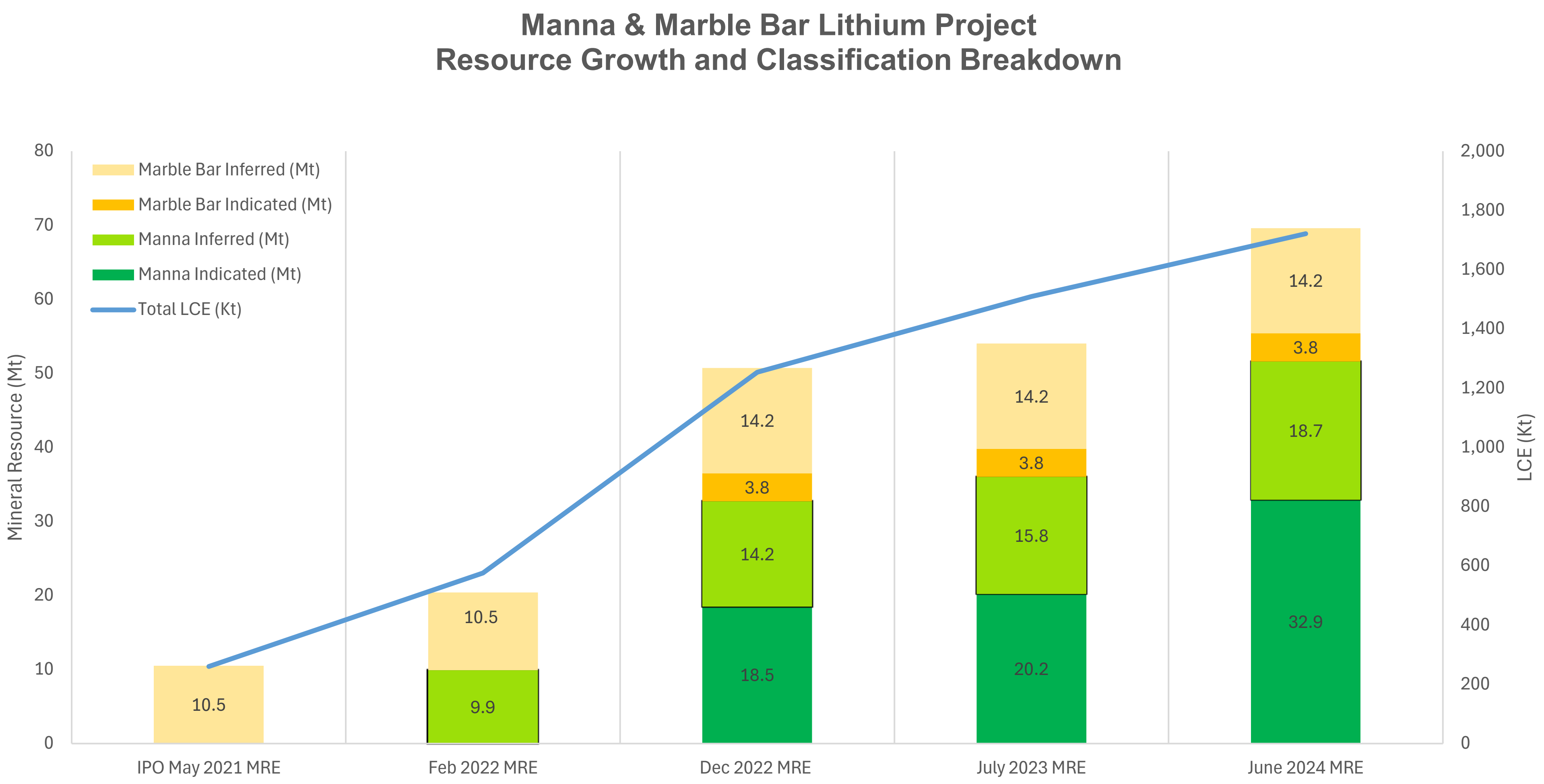
Key Highlights – Q2 CY24

- 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

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

Lithium Resource Growth Since IPO 2021

Manna Lithium Project: 51.6Mt @ 1.0% Li_2O | Marble Bar Lithium Project: 18Mt @ 1.0% Li_2O



1 Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6Mt @ 1.0% LI_2O", 12 June 2024

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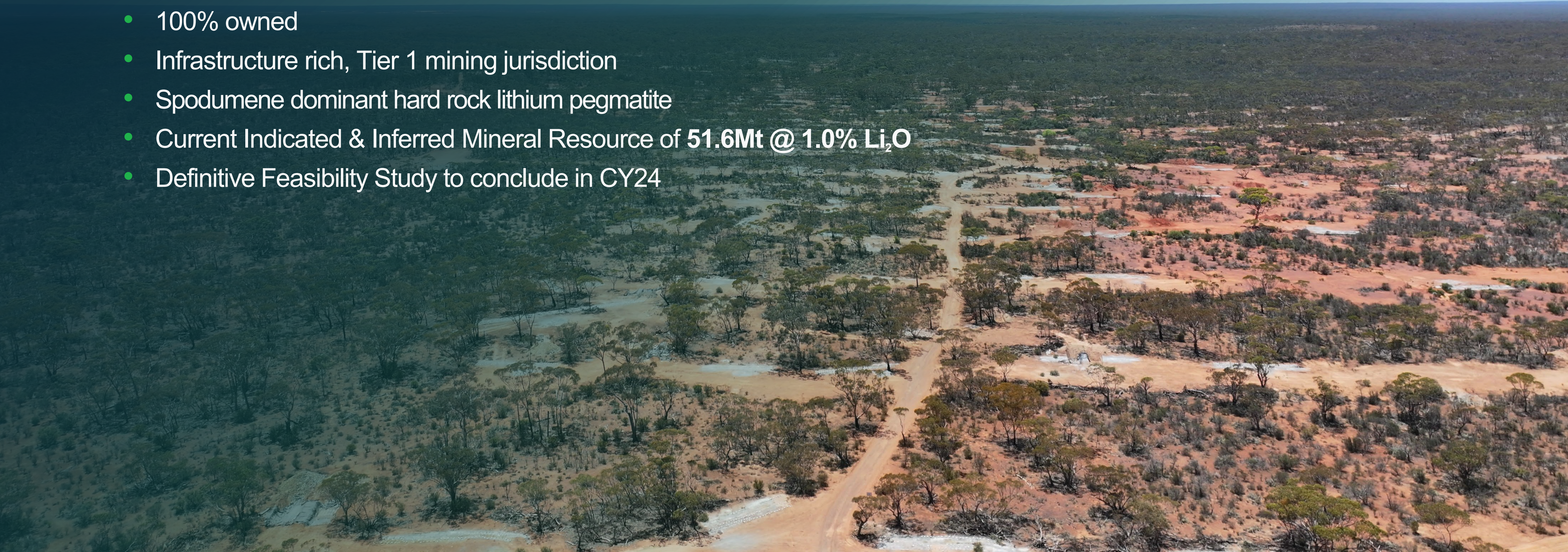
MANNA LITHIUM PROJECT

- 100% owned
- Infrastructure rich, Tier 1 mining jurisdiction
- Spodumene dominant hard rock lithium pegmatite
- Current Indicated & Inferred Mineral Resource of **51.6Mt @ 1.0% Li_2O**
- 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

High-speed Data

Utilities

1 Company public information

Exploration Summary

Exploration

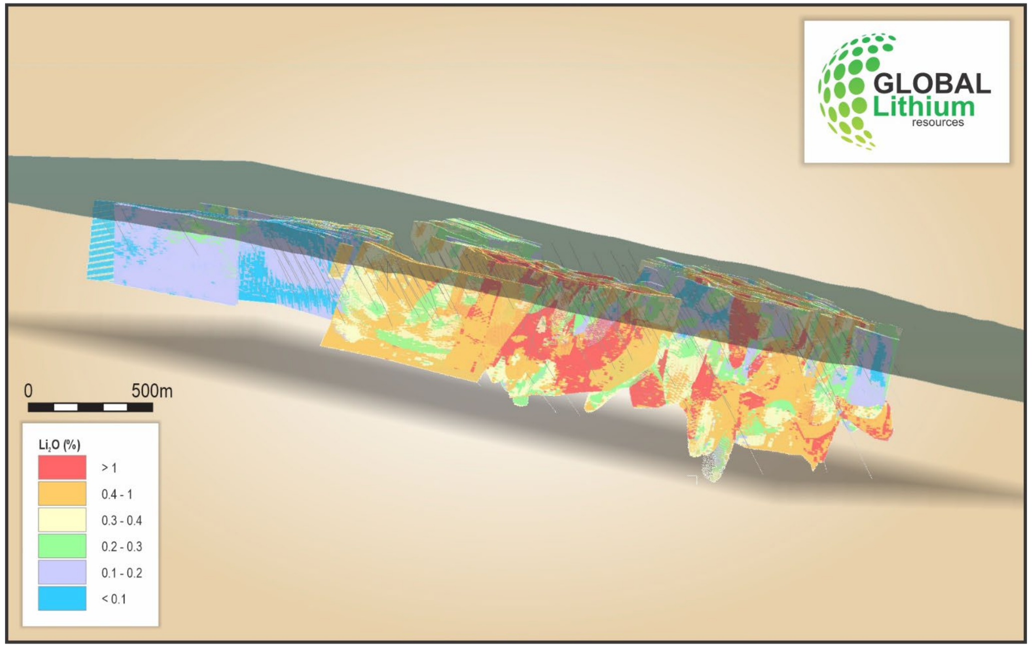
- Two years of intensive exploration:
  - CY22 – 46,000m[1]
  - CY23 – 60,000m[2]
  - MRE **(51.6Mt @ 1.0%)** based on historical, CY22 and CY23 drilling[3]
- CY23 infill drilling has increased confidence in resource classification
- 6,000m RC exploration drilling campaign underway at Manna[4]
- Resource open at depth and in multiple directions
- Direct and indirect landholding increased 280% to 700km^2 in 2023

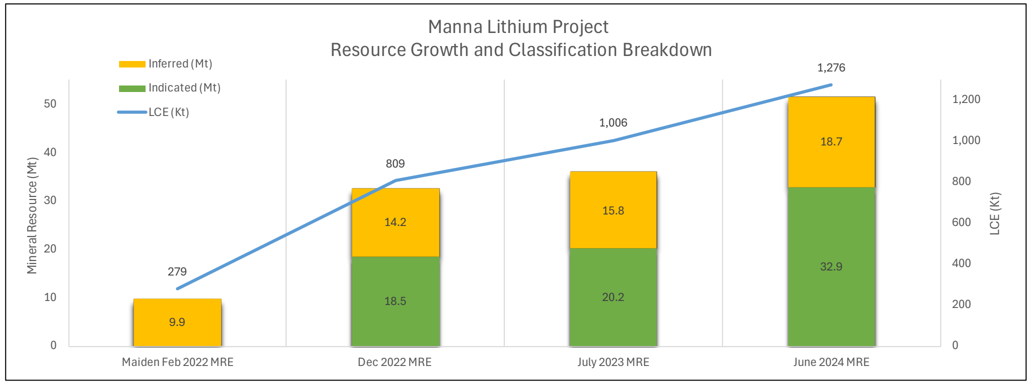
[1] Refer ASX release titled "COMPLETION OF MANNA TRANSACTION AND STRATEGIC PLACEMENT", 15 November 2022.
[2] Refer ASX release titled "2023 MANNA DRILLING PROGRAM COMPLETES", 8 December 2023
[3] Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6MT @ 1.0% LI_2O", 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% Li_2O**[1]
- **43% increase** in Manna Mineral Resource tonnes to **51.6Mt**
- **63% increase** in indicated JORC classification to **32.9Mt @ 1.04% Li_2O**
- **26% increase** in total contained Li_2O from 406,000 tonnes to 515,000 tonnes Li_2O
- Contained **Lithium Carbonate Equivalent (LCE) of 1,276Kt**
- New MRE model to be used in Manna Definitive Feasibility Study currently underway



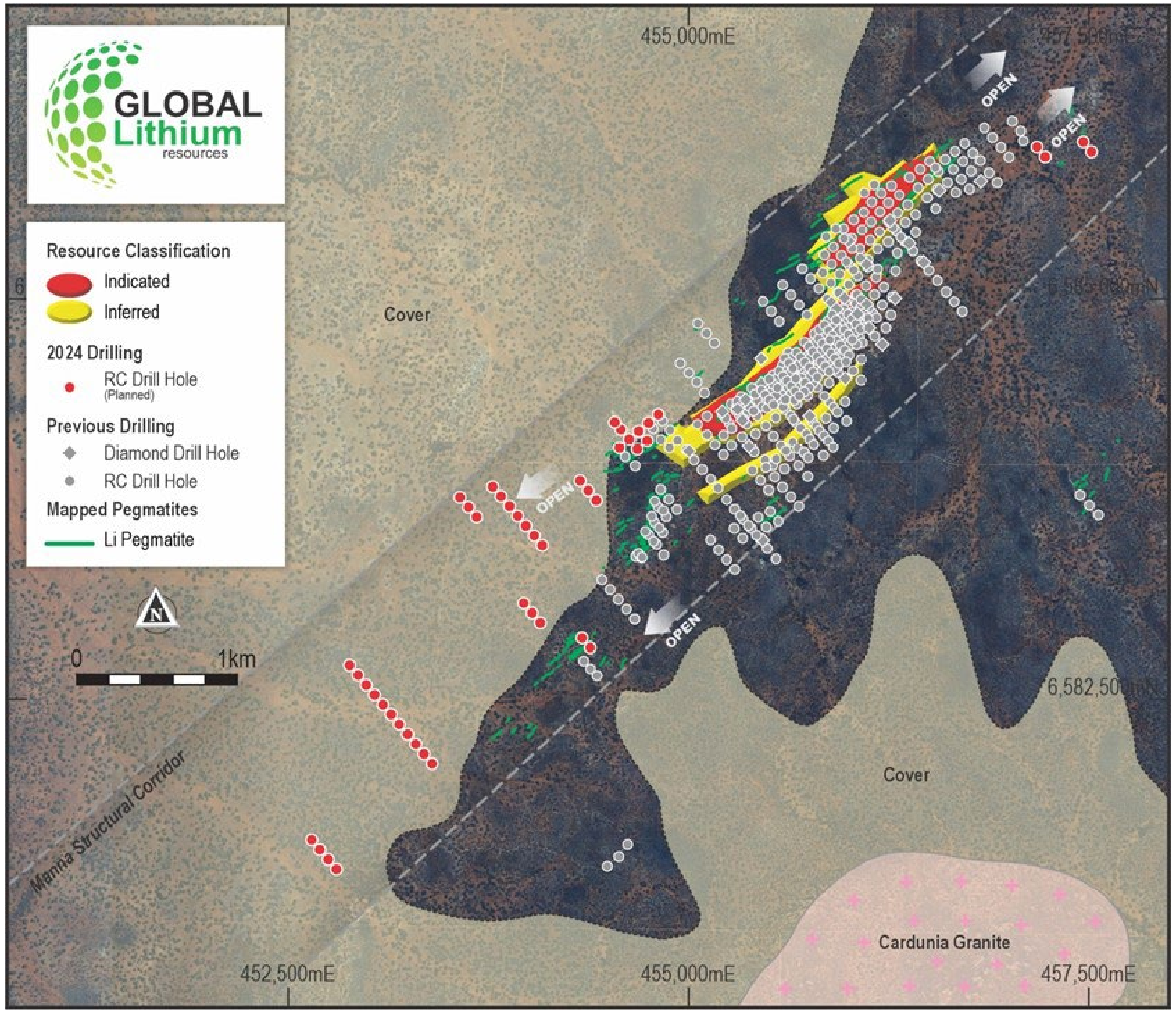


[1] Refer ASX release titled "43% INCREASE IN MANNA LITHIUM DEPOSIT MINERAL RESOURCE TO 51.6MT @ 1.0% LI2O", 12 June 2024

Exploration – resource extension

Results received from over 100,000m of RC and Diamond Drilling completed in CY22 & 23[1]

- 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

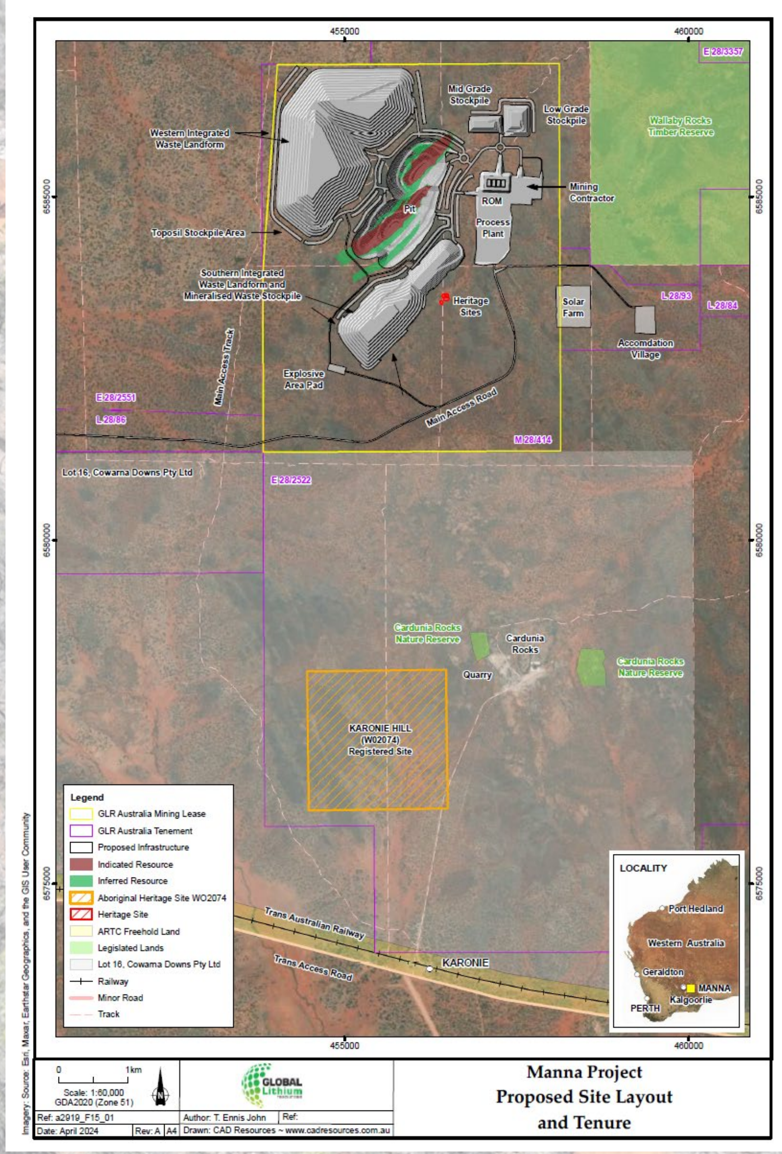
- Mining Lease application (MLA 28/414) lodged with Department of Energy, Mines, Industry Regulation and Safety (DEMIRS)
- Mine layout has been finalised

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

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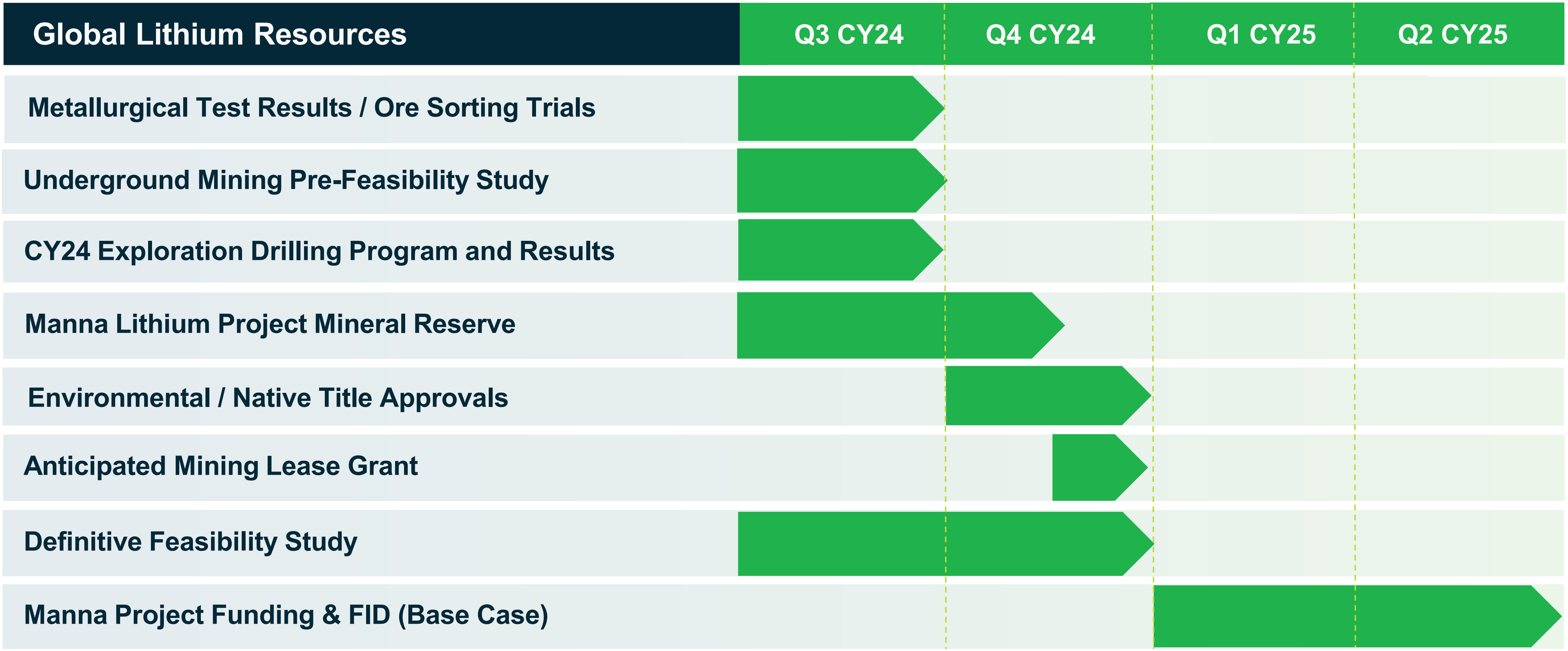
Approvals – Heritage & Environmental

Activities	Status
Heritage	
Heritage Surveys	• Completed over Mining Lease with no culturally significant sites impacted
Environmental	
Flora and Fauna surveys	• Completed over Mining Lease with no significant impacts identified
Mining Proposal and Mine Closure Plan	• Applications well advanced • To be lodged upon grant of Mining Lease
Works Approval and Native Vegetation Clearing Permit applications	• 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



MARBLE BAR
LITHIUM PROJECT

- 100% owned
- Tier 1 mining jurisdiction
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li_2O

Highly Prospective Geological Setting

Geology

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

Resource

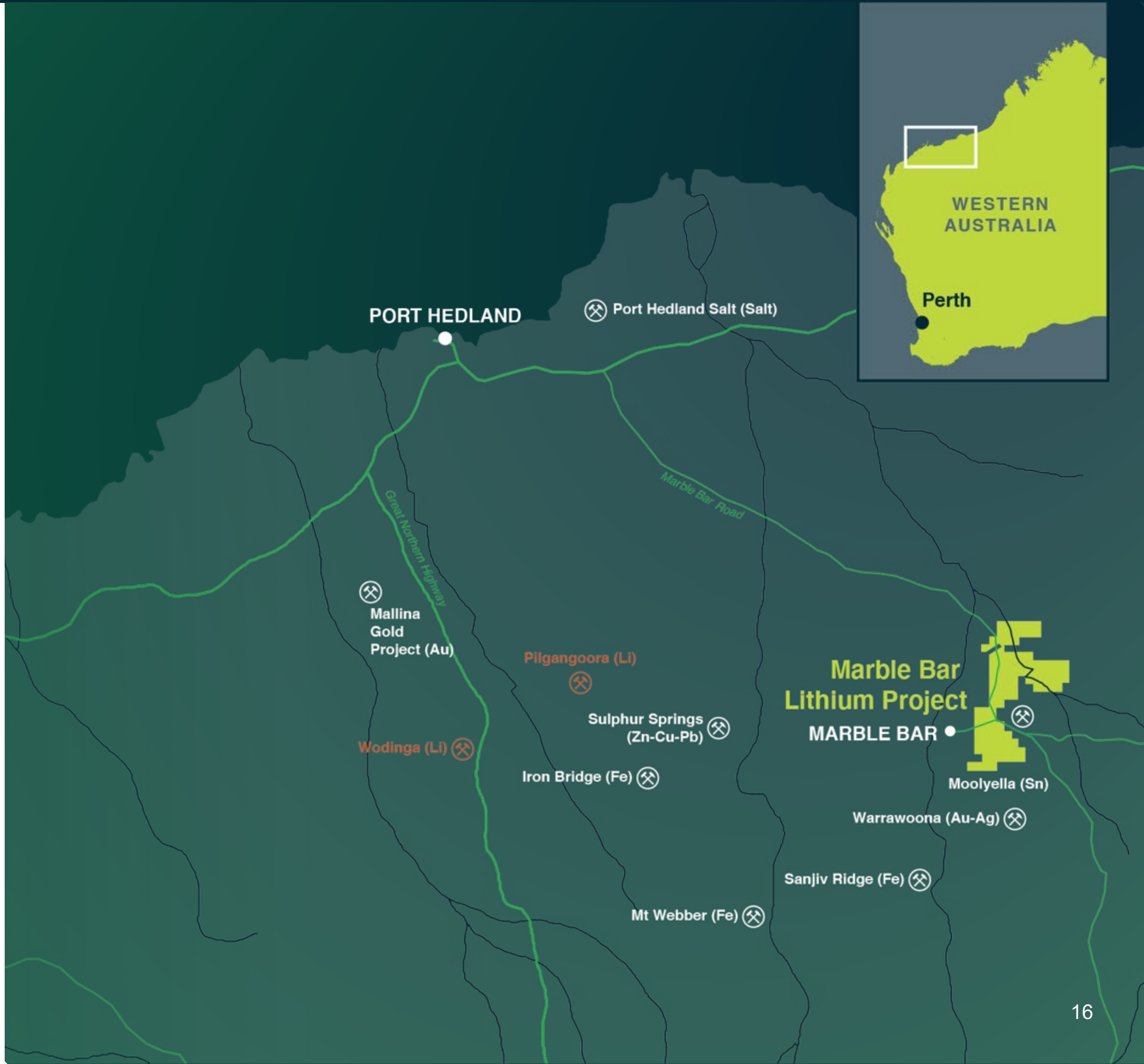
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li_2O[3]
- Lithium mineralisation in drilling identified over 15km

Exploration Upside

- Highest grade lithium assays delivered to date[4]
- 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

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Multi-asset development optionality

- Combined Mineral Resource of **69.6Mt @ 1.0% Li_2O** [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

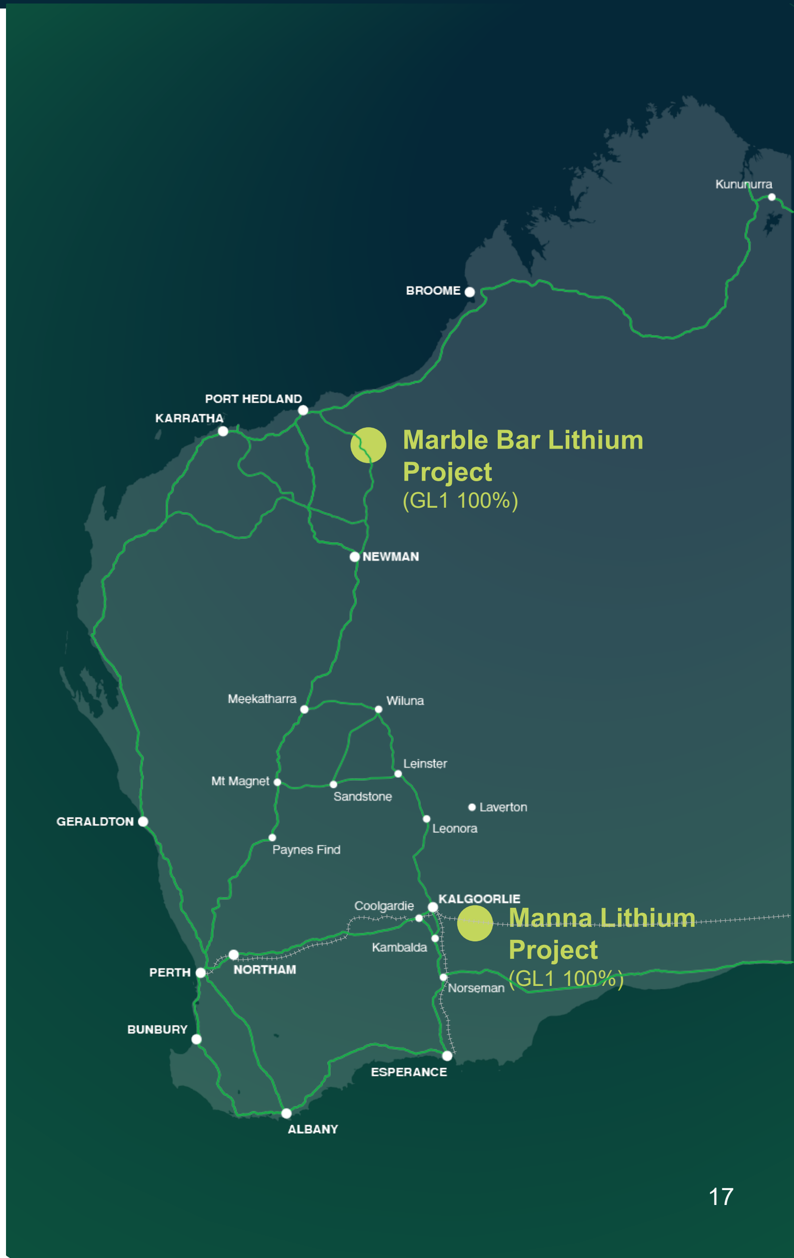
- **Strategic partnerships** with blue-chip counterparties - Canmax and Mineral Resources (ASX:MIN)
- **Well-capitalised with strong balance sheet** to achieve key milestones towards FID on Manna

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_2O%	Ta_2O_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

Contact Us

RON MITCHELL
Executive Chairman
+61 8 6103 7488
info@globallithium.com.au

BEN CREAGH
Media and Investor Relations
+61 (0) 417 464 233
benc@nwrcommunications.com.au

ASX: GL1

au.linkedin.com/company/global-lithium-resources

@Global_Lithium

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