RIU Sydney Resources Round-up

GLOBAL LITHIUM RESOURCES

May 2024

ASX:GL1

For personal use only

Important Notice and Disclaimer

For personal use only

These presentation materials and the accompanying verbal presentation (together, the **Presentation Materials**) have been prepared by Global Lithium Resources Limited (**Global Lithium** or **Company**). By receiving the Presentation Materials, you acknowledge and represent to the Company that you have read, understood and accepted the terms of this disclaimer.

You must read this important notice before you attempt to access the Presentation Materials. The information on this page is not part of the Presentation Materials. If you do not understand it, you should consult your professional adviser without delay.

NOT AN OFFER

These Presentation Materials are for information purposes only. The Presentation Materials do not comprise a prospectus, product disclosure statement or other offering document under Australian law (and will not be lodged with the Australian Securities and Investments Commission) or any other law.

The Presentation Materials also do not constitute or form part of any invitation, offer for sale or subscription or any solicitation for any offer to buy or subscribe for any securities nor shall they or any part of them form the basis of or be relied upon in connection therewith or act as any inducement to enter into any contract or commitment with respect to securities. In particular, these Presentation Materials do not constitute an offer to sell or a solicitation to buy, securities in the United States of America.

NOT INVESTMENT ADVICE

The Presentation Materials are not investment or financial product advice (nor tax, accounting or legal advice) and are not intended to be used for the basis of making an investment decision. Recipients should obtain their own advice before making any investment decision.

SUMMARY INFORMATION

The Presentation Materials do not purport to be all inclusive or to contain all information about the Company or any of the assets, current or future, of the Company.

The Presentation Materials contain summary information about the Company and its activities which is current as at the date of the Presentation Materials. The information in the Presentation Materials is of a general nature and does not purport to contain all the information which a prospective investor may require in evaluating a possible investment in the Company or that would be required in a prospectus or product disclosure statement or other offering document prepared in accordance with the requirements of Australian law or the laws of any other jurisdiction, including the United States of America.

The Company does not undertake to provide any additional or updated information whether as a result of new information, future events or results or otherwise.

FORWARD LOOKING STATEMENTS

Certain statements contained in the Presentation Materials, including information as to the future financial or operating performance of the Company and its business operations, are forward looking statements. Such forward looking statements:

- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies;
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward looking statements; and may include, among other things, statements regarding estimates and assumptions in respect of prices, costs, results and capital expenditure, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.

The Company disclaims any intent or obligation to publicly update any forward-looking statements, whether as a result of new information, future events or results or otherwise.

The words “believe”, “expect”, “anticipate”, “indicate”, “contemplate”, “target”, “plan”, “intends”, “continue”, “budget”, “estimate”, “may”, “will”, “schedule” and similar expressions identify forward looking statements.

All forward looking statements contained in the Presentation Materials are qualified by the foregoing cautionary statements. Recipients are cautioned that forward looking statements are not guarantees of future performance and accordingly recipients are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.

NO LIABILITY

The Company has prepared the Presentation Materials based on information available to it at the time of preparation. No representation or warranty, express or implied, is made as to the fairness, accuracy or completeness of the information, opinions and conclusions contained in the Presentation Materials. To the maximum extent permitted by law, the Company, its related bodies corporate (as that term is defined in the *Corporations Act 2001* (Cth) (**Corporations Act**)) and the officers, directors, employees, advisers and agents of those entities do not accept any responsibility or liability including, without limitation, any liability arising from fault or negligence on the part of any person, for any loss arising from the use of the Presentation Materials or its contents or otherwise arising in connection with it.

COMPLIANCE STATEMENTS

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.

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.

Where the Company refers to Mineral Resources 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 with 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.

Strategic Highlights

GLOBAL Lithium resources

For personal use only

Multi-asset development optionality

- Combined Mineral Resource of **54Mt @ 1.09% 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
- Manna MRE update following **60,000m** CY23 drilling program
- Outstanding Manna metallurgy +70% lithia recovery

Tier 1 Jurisdiction

- Located in **world's best 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
- MD is **Chair of the LME Lithium and Cobalt Committee**

Value accretive, de-risked and growth focussed

- DFS well advanced
- Native Title Mining Agreement nearing conclusion
- **Mining Lease on track for granting in CY24**

1 Refer ASX release titled "MANNA LITHIUM PROJECT RESOURCE GROWS", 26 JULY 2023

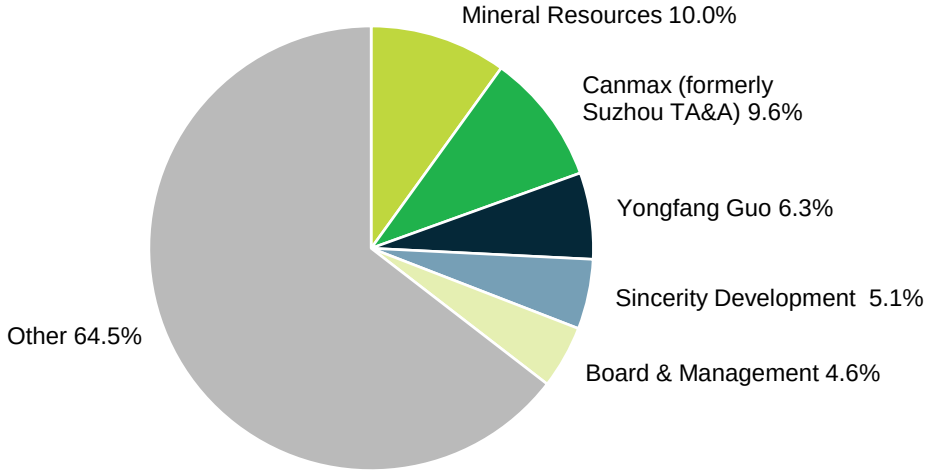
GL1 Corporate Snapshot (3 May 2024)

For personal use only

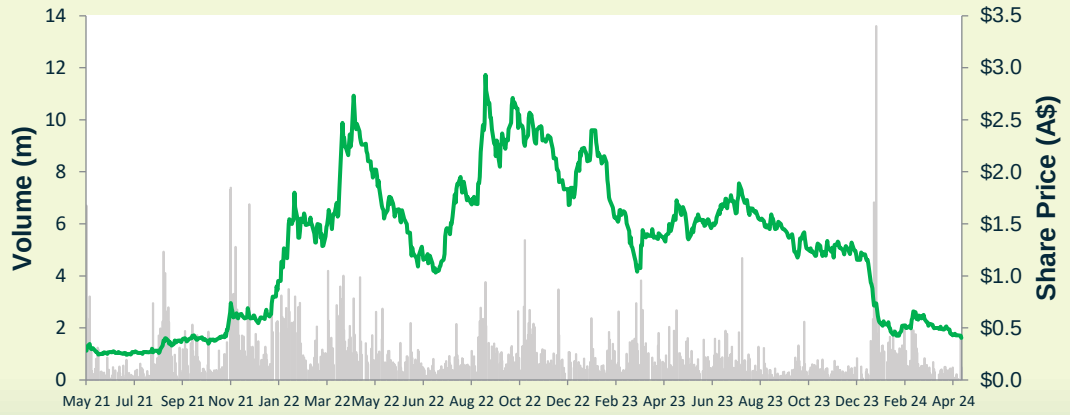
Market Cap	Share Price	Shares on issue
A$98.8m	A$0.38	260m

Options[1]	Cash[2]	Equity in ASX:KAI[3&4]
12.7m	A$30m	A$3.1m (10%)

Share Register



ASX share price performance



Board

Geoff Jones
Non-Executive Chair

Ron Mitchell
Managing Director

Dr Dianmin Chen
Non-Executive Director

Hayley Lawrance
Non-Executive Director

Greg Lilleyman
Non-Executive Director

Kevin Hart
Company Secretary

[1] Including various tranches of performance rights. [2] As of 31 March 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 3 May 2024

For personal use only

MANNA LITHIUM PROJECT

- 100% owned project
- Tier 1 mining jurisdiction
- Spodumene dominant hard rock lithium pegmatite
- Current Indicated & Inferred Mineral Resource of 36.0Mt @ 1.13% Li_2O
- MRE update in Q2 CY24

Kalgoorlie Lithium Province – Manna is the 2nd Largest Resource

For personal use only

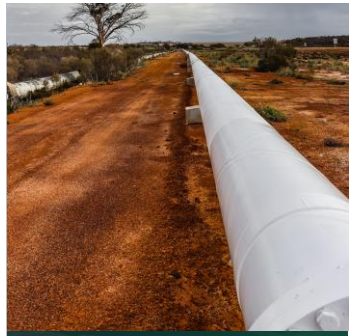
Major Mines & Projects

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]
  - Current MRE **(36.0Mt @ 1.13%)** based on historical and CY2022 drilling[3]
- CY23 infill drilling to increase confidence in resource classification
- CY24 extensional drilling focussed on growing the resource
- 6,000m RC exploration drilling campaign underway at Manna[4]
- MRE update to be announced Q2 CY24
- Resource open at depth and in multiple directions
- Direct and indirect landholding increased 280% to 700km^2 in 2023

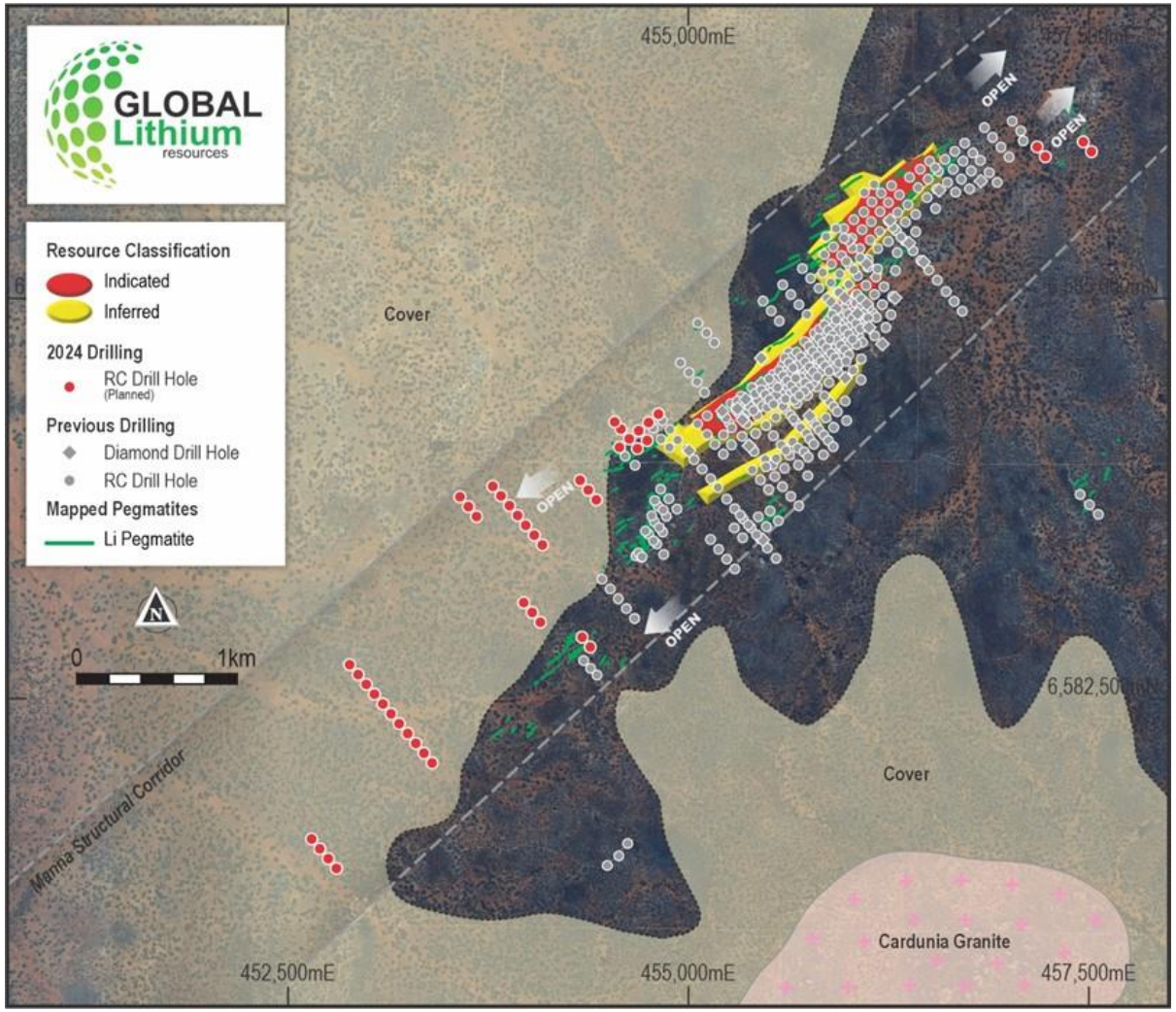
[1] Refer ASX release titled "COMPLETION OF MANNA TRANSACTION AND STRATEGIC PLACEMENT", 15 November 2022.
[2] Refer ASX release titled "2023 MANNA DRILLING PROGRAM COMPLETES", 8 December 2023
[3] Refer ASX release titled "MANNA LITHIUM RESOURCE GROWS", 26 July 2023
[4] Refer ASX release titled "DRILLING UNDERWAY AT MANNA", 2 May 2024

Exploration - Upside Ahead

For personal use only

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

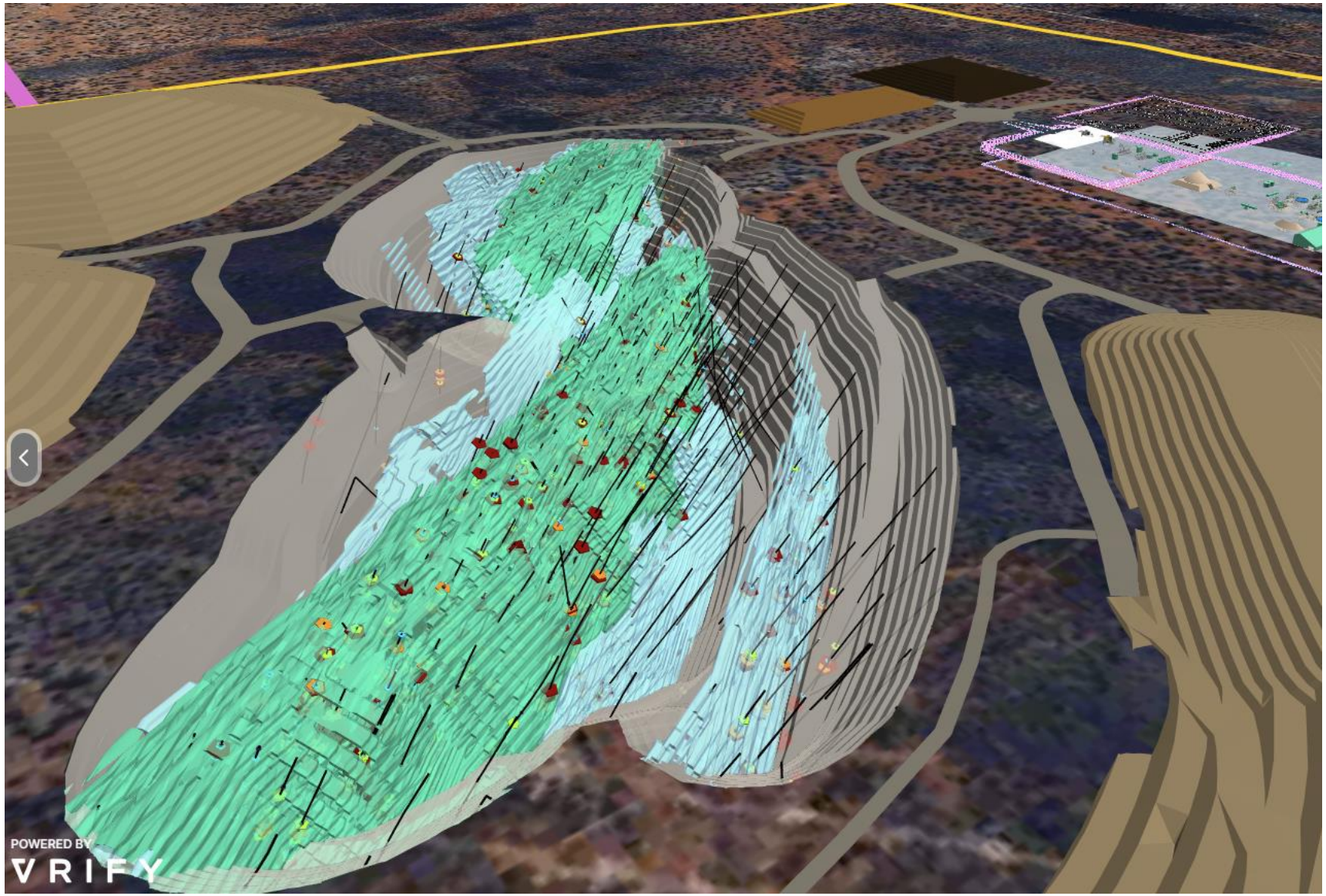
- Best drill intercept to date of **26m @ 1.53% Li_2O**[2]
- Manna Central resource area continues to demonstrate continuity and high-grades
- Manna pegmatites have returned grades >1% Li_2O over a 3.2km strike length to a 450m vertical depth
- 6,000m RC drill program currently underway to test extension of the Manna pegmatite system undercover to the southwest



[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

Geological Model & Planned Infrastructure

For personal use only



GLOBAL Lithium resources

Definitive Feasibility Study - Advancing

For personal use only

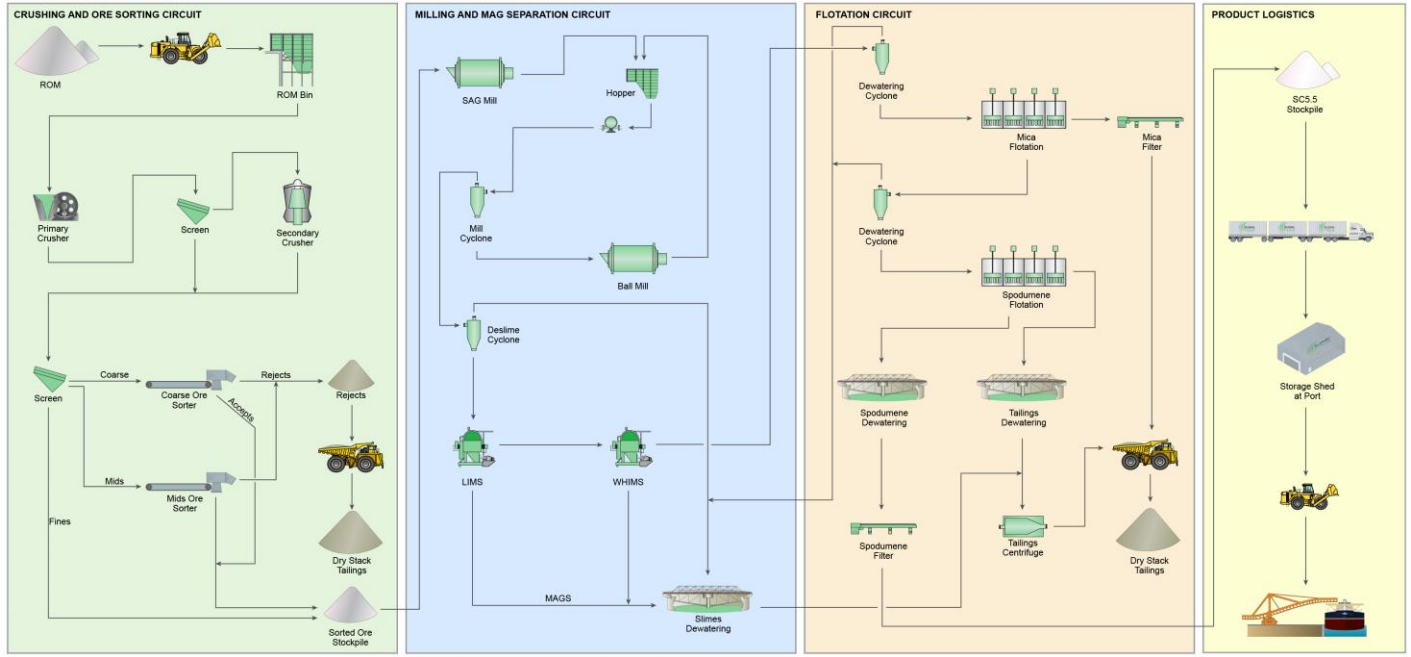
- DFS and related metallurgical studies well advanced
- Completion of DFS expected CY24 and to incorporate:
  - Updated MRE including all CY23 drilling program results
  - Detailed open pit and underground mine schedules
  - Optimised metallurgical testwork results
  - Detailed operating and capital cost estimates
- Plant layout being optimised for constructability and reduce site construction hours
- SRK to provide independent technical peer review
- GRES to provide CAPEX optimisation review

Manna Lithium Project Plant 3D Model

Metallurgy – Excellent Li_2O Recoveries and Proven Flowsheet

For personal use only

- Manna process flowsheet well defined
- Whole-of-ore (WOO) flotation flowsheet achieving 75% lithia recovery
- This increase in lithia recovery will have a positive impact on project economics at Manna
- 66 flotation tests completed to-date
- Recovery improvement of 5% realised through optimisation of WHIMS & Mica flotation circuits
- Spodumene concentrate consistently achieving 5.6 – 6.5% Li_2O and 0.4 – 0.8% Fe_2O_3
- Further recovery improvements being pursued through reduction in slimes losses within the ball mill circuit



Manna Lithium Project Whole of Ore (WOO) Flotation Flowsheet

[1] Refer ASX release titled ""Manna Metallurgical Testwork Update", 7 March 2024
[2] Refer ASX release titled "Manna DFS and Metallurgical Test Work Update",16 November 2023
[3] Note: Rougher-only flotation, effectiveness of cleaning still to be investigated.

Approvals and Permitting - Well Advanced

For personal use only

Environmental

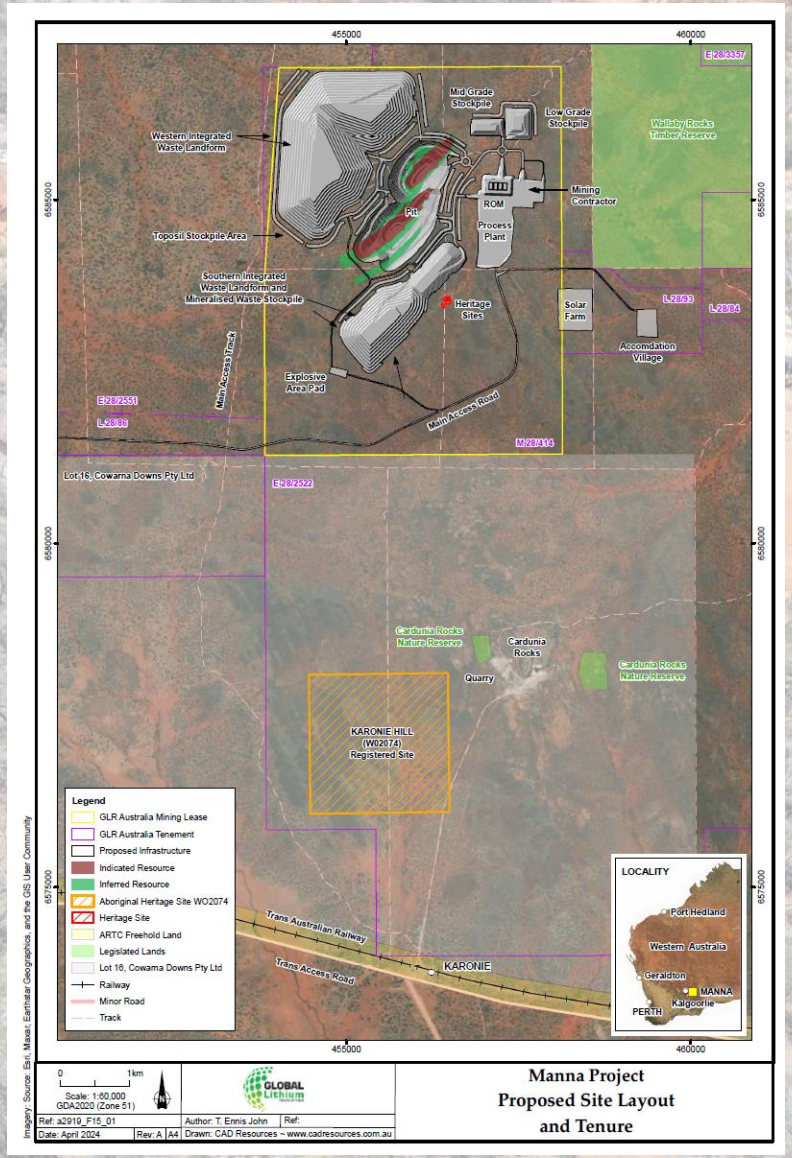
- All flora and fauna surveys completed with no significant impacts identified

Native Title and Heritage

- All heritage surveys completed with no culturally significant sites impacted
- Native Title Mining Agreement (NTMA) negotiation nearing completion

Mining Lease

- Mining Lease application (MLA 28/414) lodged with Department of Energy, Mines, Industry Regulation and Safety (DEMIRS)
- Mine layout has been finalised
- Mining Proposal and Mine Closure Plan to be lodged upon grant of Mining Lease
- Works Approval and Native Vegetation Clearing Permit applications well advanced



Manna mining lease map

Manna Project

For personal use only

2024 Key Milestones - De-risked and Disciplined

For personal use only

Well positioned to capture significant upside with anticipated lithium market recovery

For personal use only

MARBLE BAR
LITHIUM PROJECT

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

Highly Prospective Geological Setting

For personal use only

Geology

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

Resource

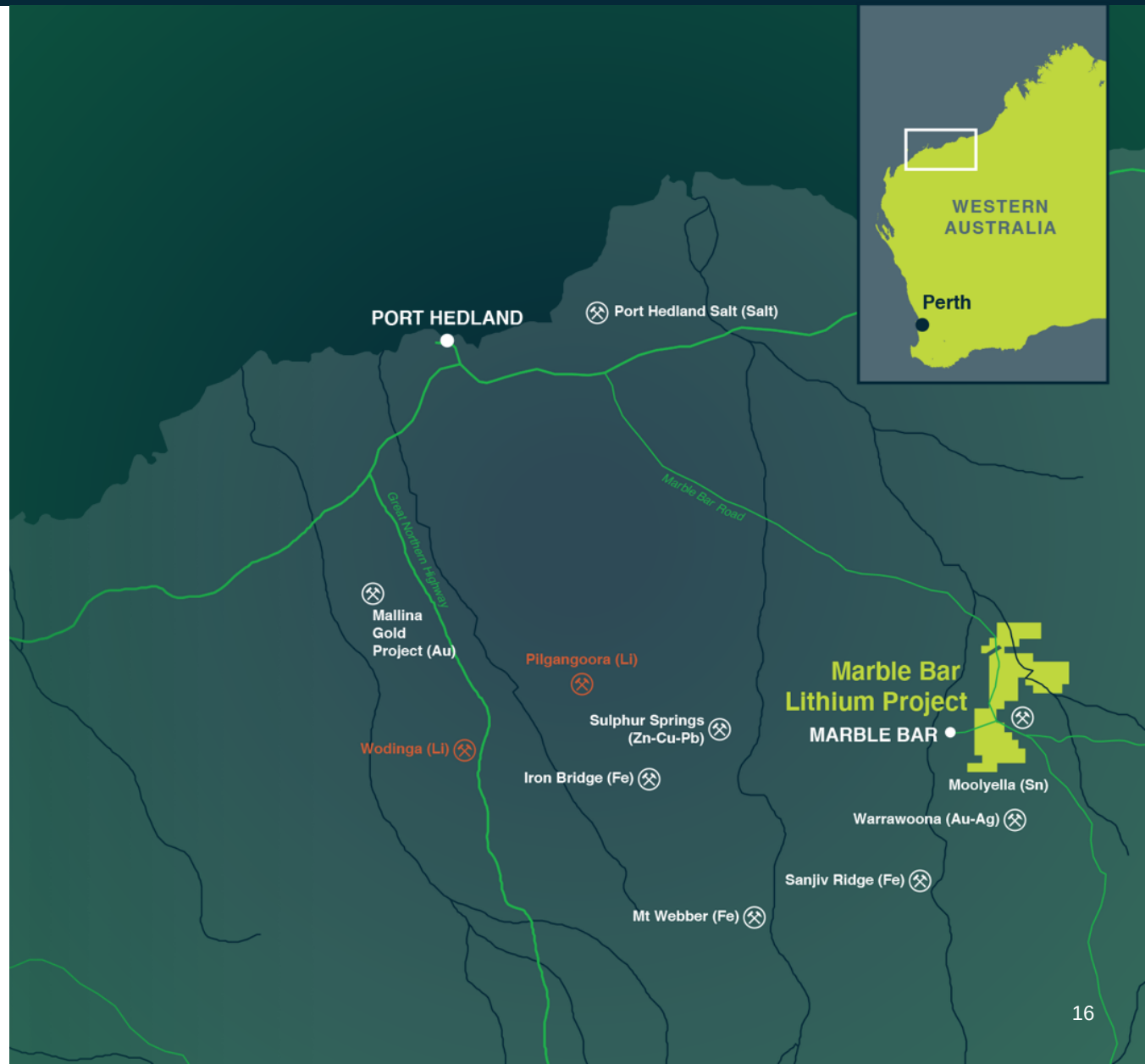
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li_2O[3]
- Lithium mineralisation in drilling identified over 15km

Exploration Upside

- Highest grade lithium assays delivered to date[4]
- Highly prospective gold and base metal targets tested in 2023
- Further drilling planned in CY24

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.

Community

For personal use only

For personal use only

Contact Us

RON MITCHELL
Managing Director
+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

Subscribe to our mailing list at:
globallithium.com.au