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SINGAPORE 2024

GLOBAL Lithium resources

GLOBAL LITHIUM RESOURCES
Manna Lithium Project

March 2024

ASX:GL1

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Strategic Highlights

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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 (22 March 2024)

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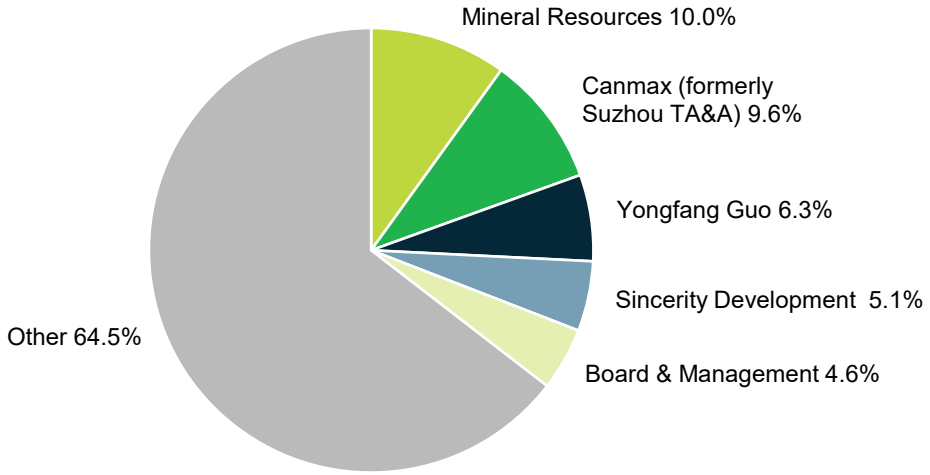
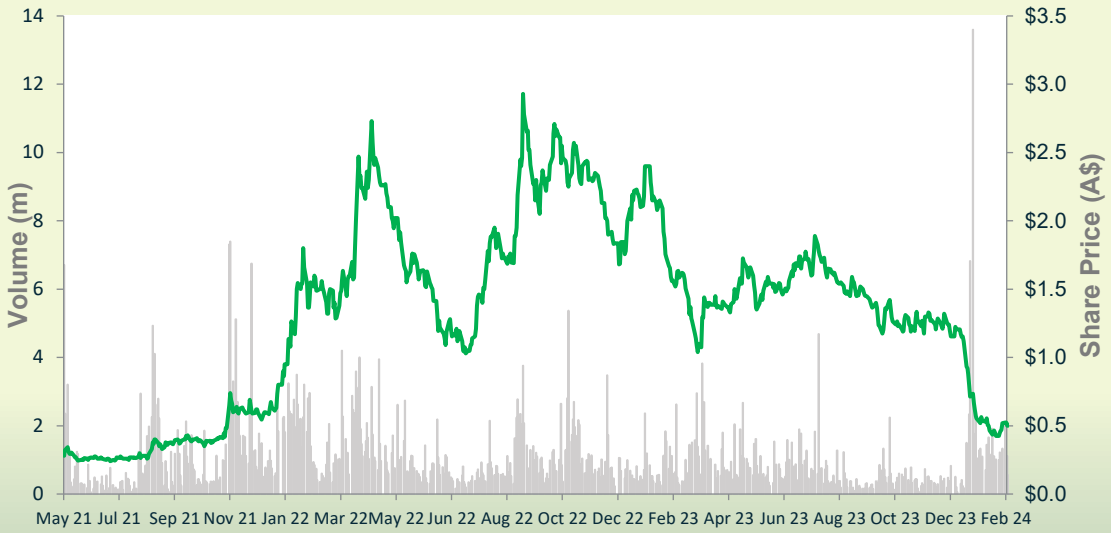
Market Cap	Share Price	Shares on issue
A$140m	A$0.54	260m

Options[1]	Cash[2]	Equity in ASX:KAI[3&4]
12.7m	A$32m	A$3.7m (10%)

Share Register



ASX share price performance



Research Coverage

MACQUARIE
cg Canaccord Genuity
Barrenjoey
ARGONAUT
ShawandPartners
Jefferies

[1] Including various tranches of performance rights. [2] As of 29 February 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 29 February 2024

GL1 Strategic Shareholder

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- Canmax (formerly Suzhou TA&A) is listed on the Shenzhen Stock Exchange with a market cap of US$2.6bn.
- Canmax is a globally integrated leading lithium chemicals producer with key customers including LG Energy Solutions, SKOn, Tesla, Ford & Mercedes Benz.
- CATL, the largest global producer of EV batteries, is JV partner with Canmax.
- Cammax owns four lithium chemical and conversion plants in China
  - **Lithium Hydroxide**
    - 75,000tpa LCE in Yibin
    - 60,000tpa LCE in Meishan
  - **Lithium Carbonate**
    - 30,000tpa LCE in Yichun
  - **Spodumene Concentrate**
    - 900ktpa ore processing capacity in Yibin
- Global Lithium has a 10-year strategic offtake agreement with Canmax for 30% of spodumene concentrate at market prices[1].

Meishan Lithium Hydroxide Plant

[1] Refer ASX release titled "10 YEAR STRATEGIC SPODUMENE CONCENTRATE OFFTAKE AGREEMENT", 3 March 2022

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MANNA LITHIUM PROJECT

- 100% owned project
- Tier 1 mining jurisdiction
- Outcropping spodumene bearing pegmatite
- Current Indicated & Inferred Mineral Resource of 36.0Mt @ 1.13% Li_2O

World Class Location

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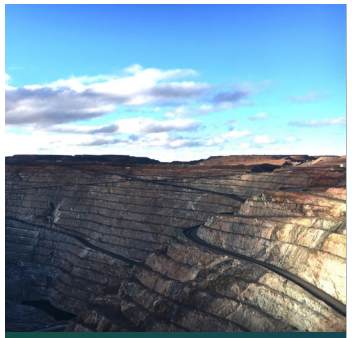

Major Mines & Projects

City of Kalgoorlie-Boulder

Access to Railway

Access Road

High-speed Data

Utilities

1 Company public information

Exploration Summary

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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
- 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
- CY24 drilling program to commence Q2

[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

Exploration - Upside Ahead

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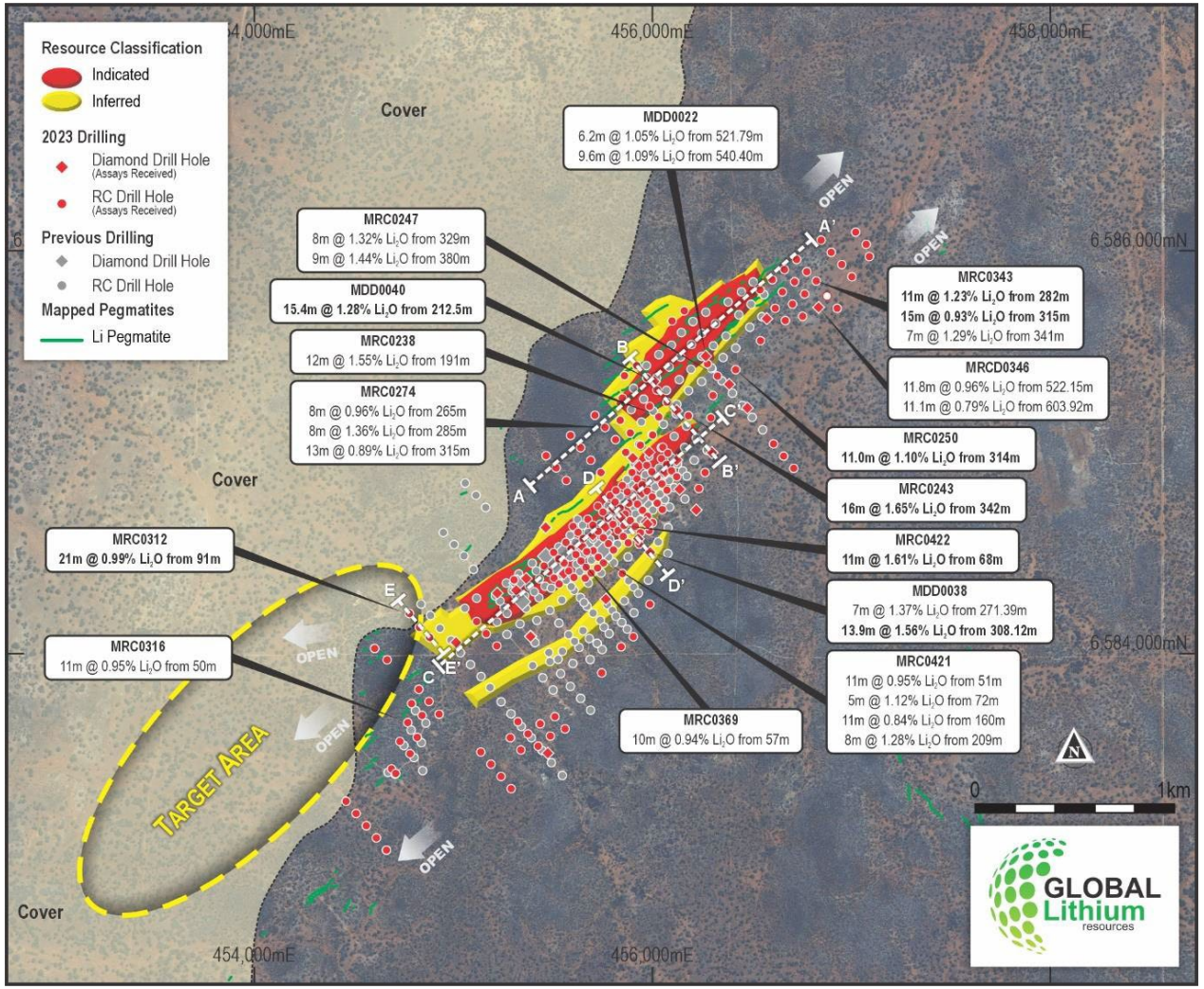
Results received from over 60,000m of RC and Diamond Drilling completed in CY23[1]

- MRE update underway, expected Q2 CY24, to be included in Manna DFS
- Further high-grade results received from CY23 resource infill and expansion drilling[2]
- Best drill intercept to date of **26m @ 1.53% Li_2O**[2]
- Manna Central resource area continues to demonstrate continuity and return high-grades
- Manna North drilling returned high-grade intercepts which support potential underground development
- New zone of lithium mineralisation identified under cover southwest of Manna Central
- Manna pegmatites have returned grades >1% Li_2O over a 3.2km strike length to a 450m vertical depth



[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

Definitive Feasibility Study - Advancing

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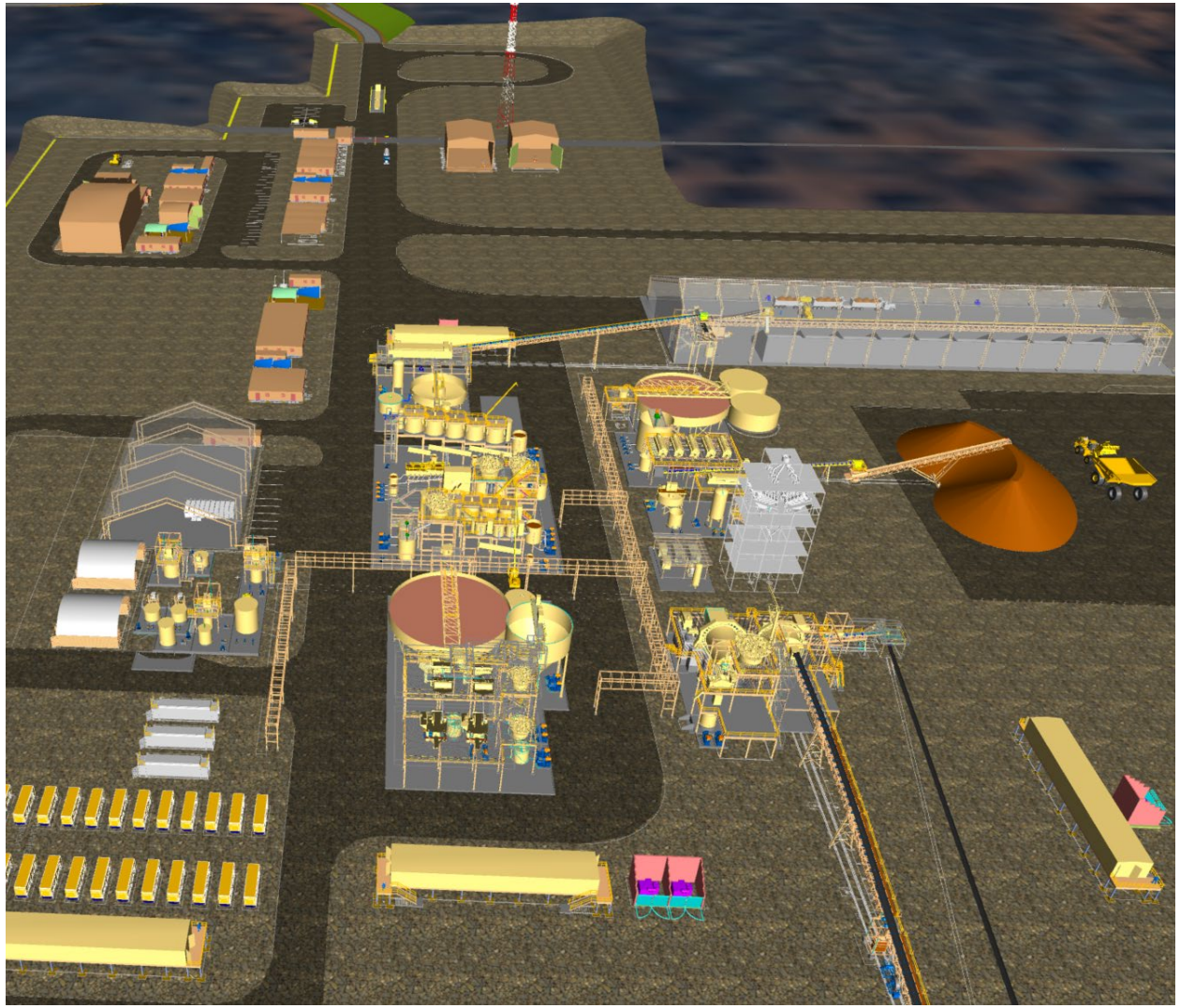
- DFS and related metallurgical studies well advanced
- Completion of DFS expected CY24 and to incorporate:
  - Updated MRE including all CY23 drilling program results
  - Detailed open pit and underground mine schedules
  - Optimised metallurgical testwork results
  - Detailed operating and capital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



Metallurgy – Excellent Lithium Recoveries

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- Manna process flowsheet well defined
- Whole-of-ore (WOO) flotation flowsheet achieving 70-75% 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

Result	Unit	Zone 1				Zone 2	
		High Grade		Low Grade			
		Updated[1]	Prior Reported[2]	Updated[1]	Prior Reported[2]	Updated[1]	Prior Reported[2]
Deslime Li Loss	%	12.8	13.2	10.8	12.9	13.6	14.3
Mag. Separation Li Loss	%	5.5	3.8	5.8	4.6	5.9	5.2
Mica Float Li Loss[3]	%	1.3	7.7	5.3	10.5	11.1	18.0
Spodumene Float Li Loss[3]	%	3.7	3.4	4.1	3.6	5.3	2.1
Overall Li Recovery	**%**	76.7	**71.9**	**74.0**	68.4	64.2	60.4
Spodumene Conc. Grade[3]	**% Li_2O**	6.3	**6.5**	**5.8**	5.7	5.6	5.6
Spodumene Conc. Fe Grade[3]	% Fe_2O_3	0.5	0.4	0.4	0.6	0.4	0.8

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

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Approvals and Permitting - Well Advanced

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Environmental

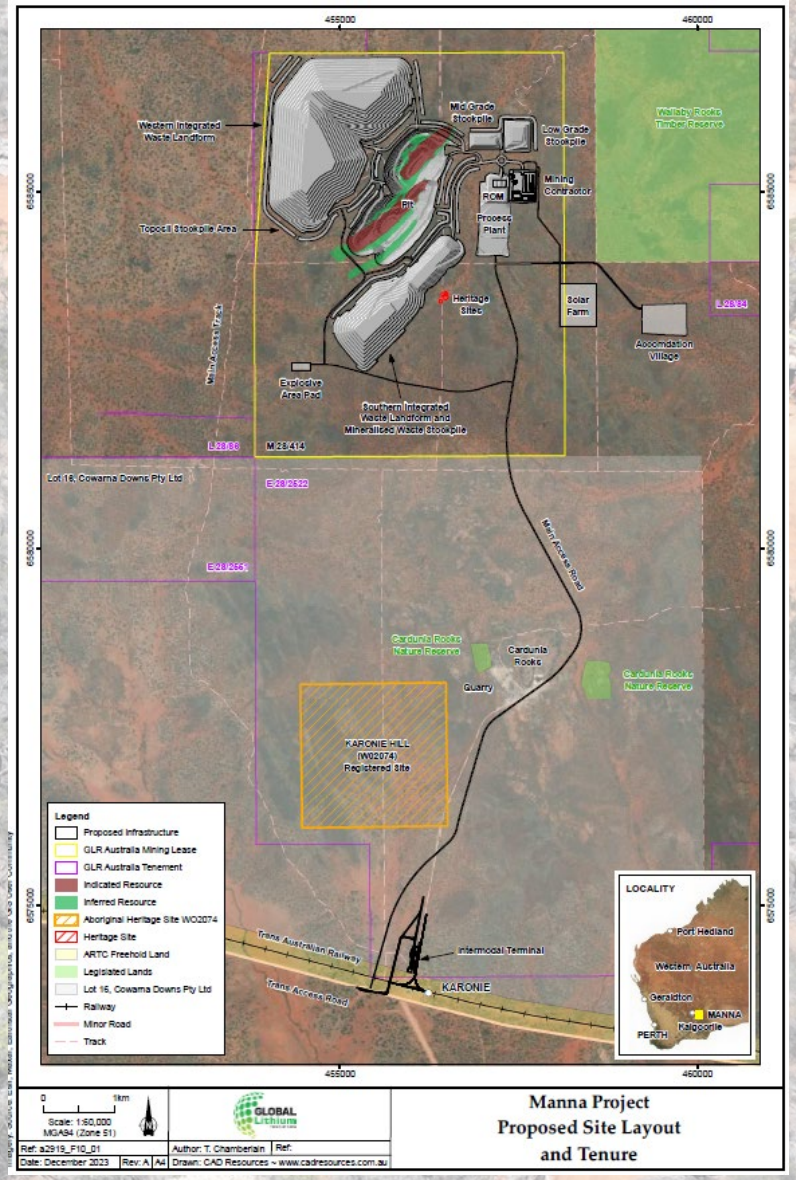
- All flora and fauna surveys completed with no significant impacts identified

Native Title and Heritage

- All heritage surveys completed with no culturally significant sites identified
- Native Title Mining Agreement (NTMA) negotiation well advanced

Mining Lease

- Mining Lease application (MLA 28/414) lodged with Department of Mines, Industry Regulation and Safety (DMIRS)
- Mine layout has been finalised and Mining Proposal now being prepared
- Mine Closure Plan well advanced
- Work Approval applications being drafted



Manna mining lease map[1]

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

Manna Project

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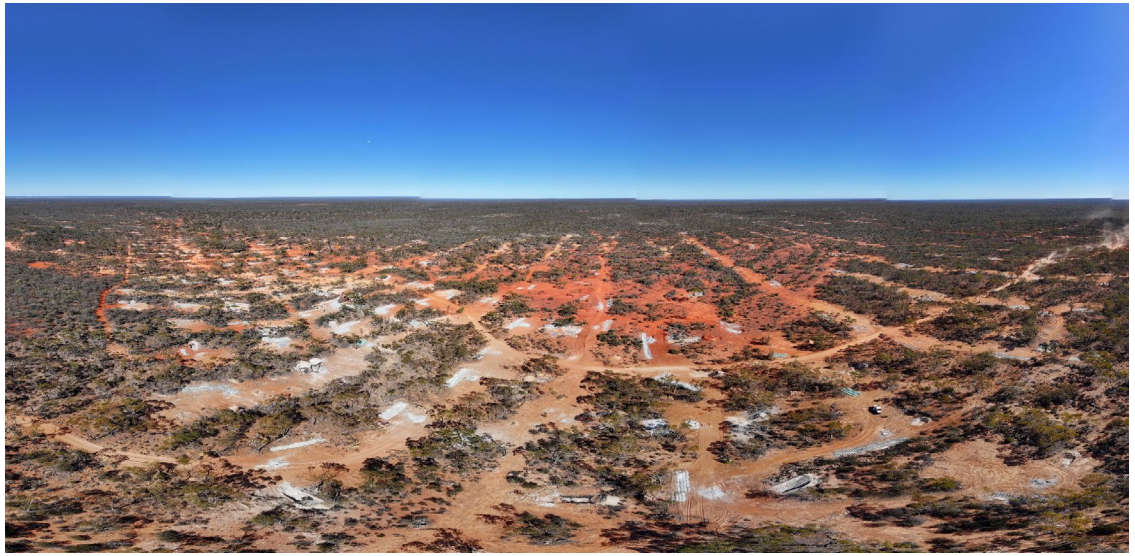

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2024 Key Milestones - De-risked and Disciplined

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Well positioned to capture significant upside with anticipated lithium market recovery

Global Lithium Resources	CY24
Metallurgical Test Results / Ore Sorting Trials	
Mineral Resource Estimate (MRE) Update	
Environmental / Native Title Approvals	
Anticipated Mining Lease Grant	
CY24 Exploration Drilling Program	
Definitive Feasibility Study plus Optimisation Program	

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MARBLE BAR
LITHIUM PROJECT

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

Highly Prospective Geological Setting

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Geology

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

Resource

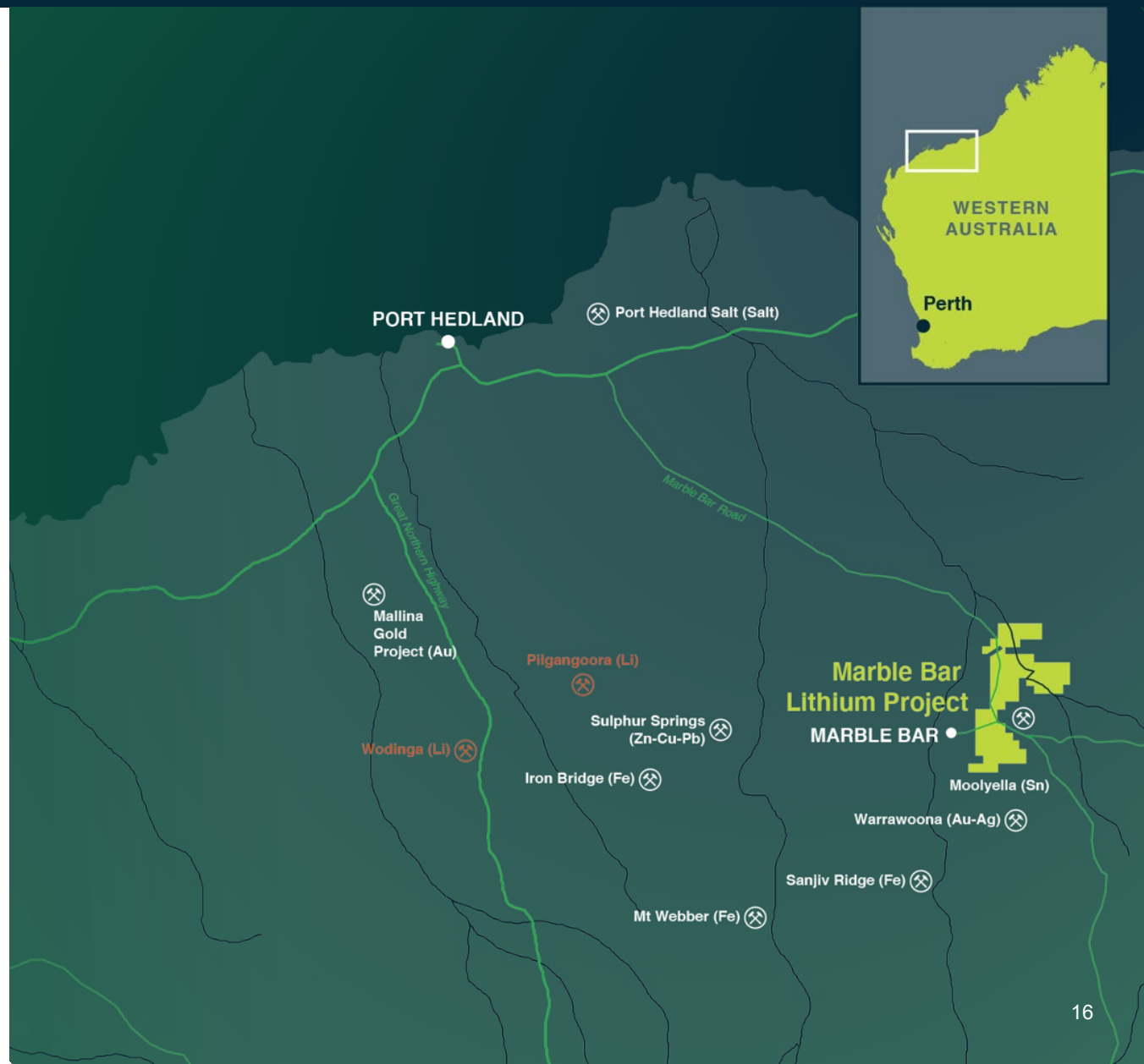
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li_2O[3]
- Lithium mineralisation in drilling identified over 15km

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.

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