



GLOBAL LITHIUM RESOURCES

Investor Presentation

21 February 2024

ASX:GL1

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Multi-asset development optionality

- Combined Mineral Resource of **54Mt @ 1.09% Li₂O¹**
- Two projects provide development optionality and funding alternatives
- **70% offtake** uncontracted

JORC compliant resources

- Wholly owns **2 JORC** compliant lithium resources in Australia listed on the ASX
- Manna MRE update following **60,000m** CY23 drilling program

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

- Continue to seek and review **strategic M&A** opportunities
- **Resources diversification** via development of other critical mineral resources



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

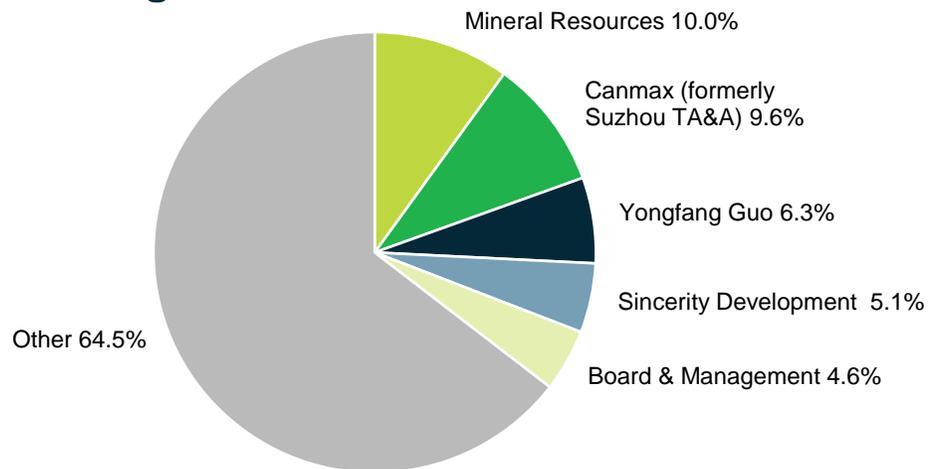
GL1 Corporate Snapshot (20 February 2024)

Market Cap	Share Price	Shares on issue
A\$136.7m	A\$0.525	260m
Options ¹	Cash ²	Equity in ASX:KAI ^{3&4}
12.4m	A\$36m	\$3.67m (10%)

ASX share price performance



Share Register



Research Coverage

¹ Including various tranches of performance rights. ² As of 31 December 2023 ³ Refer ASX release titled "MANNA LITHIUM PROJECT EXPANSION OF REGIONAL INTERESTS", 26 JUNE 2023, incl. Right Issue of 44m shares. ⁴ As of 20 February 2024

The Board – Setting the Strategy



Geoff Jones

Non-Executive Chair

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



Ron Mitchell

Managing Director

Current Chair of the LME Lithium and Cobalt Committee; Former Executives roles at Tianqi Lithium & Talison Lithium; 14 years' experience in the lithium industry. 7 years living and working in Nth Asia.



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.



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.



Kevin Hart

Company Secretary

Chartered accountant with +30 years' experience in accounting and administration of ASX listed public companies; Principal of Automic Group.

The Leadership Team – Driving the Culture



Ron Mitchell
Managing
Director



Matt Allen
Chief Financial
Officer

Chartered Accountant, Fellow of FinSIA and Graduate Member of AICD with +25 years of senior executive experience in the resources finance sector in a range of commodities including rare earths and oil and gas. Experienced in transitioning companies through exploration into production operations covering financing, treasury operations, risk management and financial control.



Dr Tony Chamberlain
Project Director

PhD in Metallurgy with +25 years of experience in the mining industry. He held several senior operational and management roles during his 12 years at WMC Resources and BHP Billiton. Dr Chamberlain has been involved with a number of ASX listed developers in various executive and board roles.



Logan Barber
GM Geology

Highly successful Geologist with over +15 years of exploration experience focused on Lithium, Iron Ore, Base and Precious Metals. He has significant strengths in project generation and evaluation.



Simon Corrigan
Approvals &
Corporate Affairs
Advisor

More than 20 years of experience in approvals, government relations, community relations and communications. He held several political advisory including as a Chief of Staff in the WA Government. He then went on to hold senior roles at CITIC Pacific Mining, Atlas Iron and BHP.

MANNA LITHIUM PROJECT

- 100% owned project
- Tier 1 mining jurisdiction
- Outcropping spodumene bearing pegmatite
- Indicated & Inferred Mineral Resource of 36.0Mt @ 1.13% Li₂O

Manna Exploration Upside

Exploration

- Two years of intensive exploration:
 - CY22 – 46,000m¹
 - CY23 – 60,000m²
 - Current MRE (**36.0Mt @ 1.13%**) based on historical and CY2022 drilling³
- Updated MRE anticipated following CY23 program
- Infill drilling to increase confidence in resource classification
- Extensional drilling focused on growing the resource
- Resource open at depth and in multiple directions
- Direct and indirect landholding increased 280% to 700km² in 2023
- CY24 drilling program being finalised



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

World Class Location



Major Mines & Projects



City of Kalgoorlie-Boulder



Trans Australian Railway



Access Road



Repeater Station
(Fibre link connection)

High-speed Data



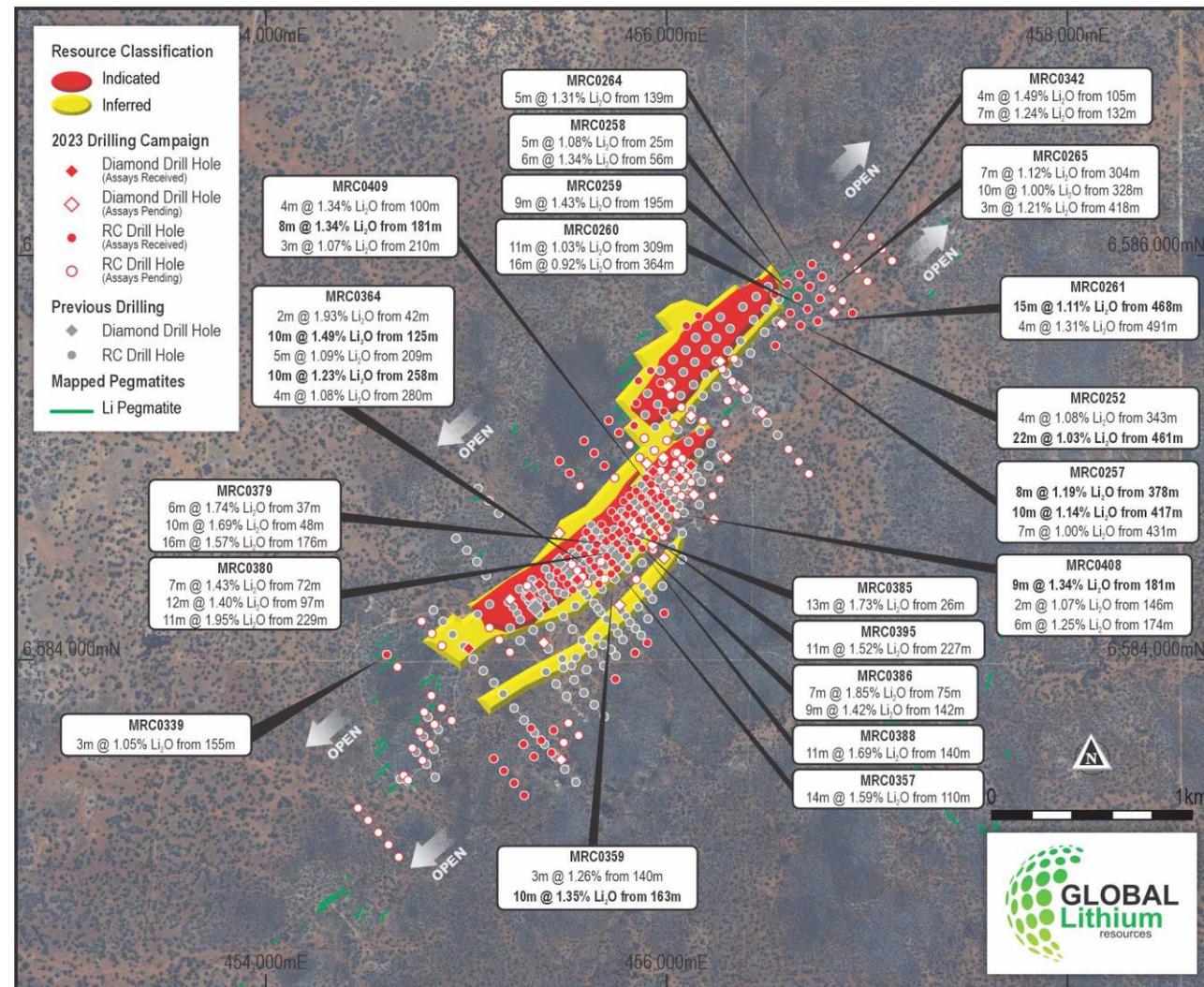
Utilities



High-Grade Drilling Results Continue

Over 60,000m of Reverse Circulation and Diamond Drilling completed during 2023

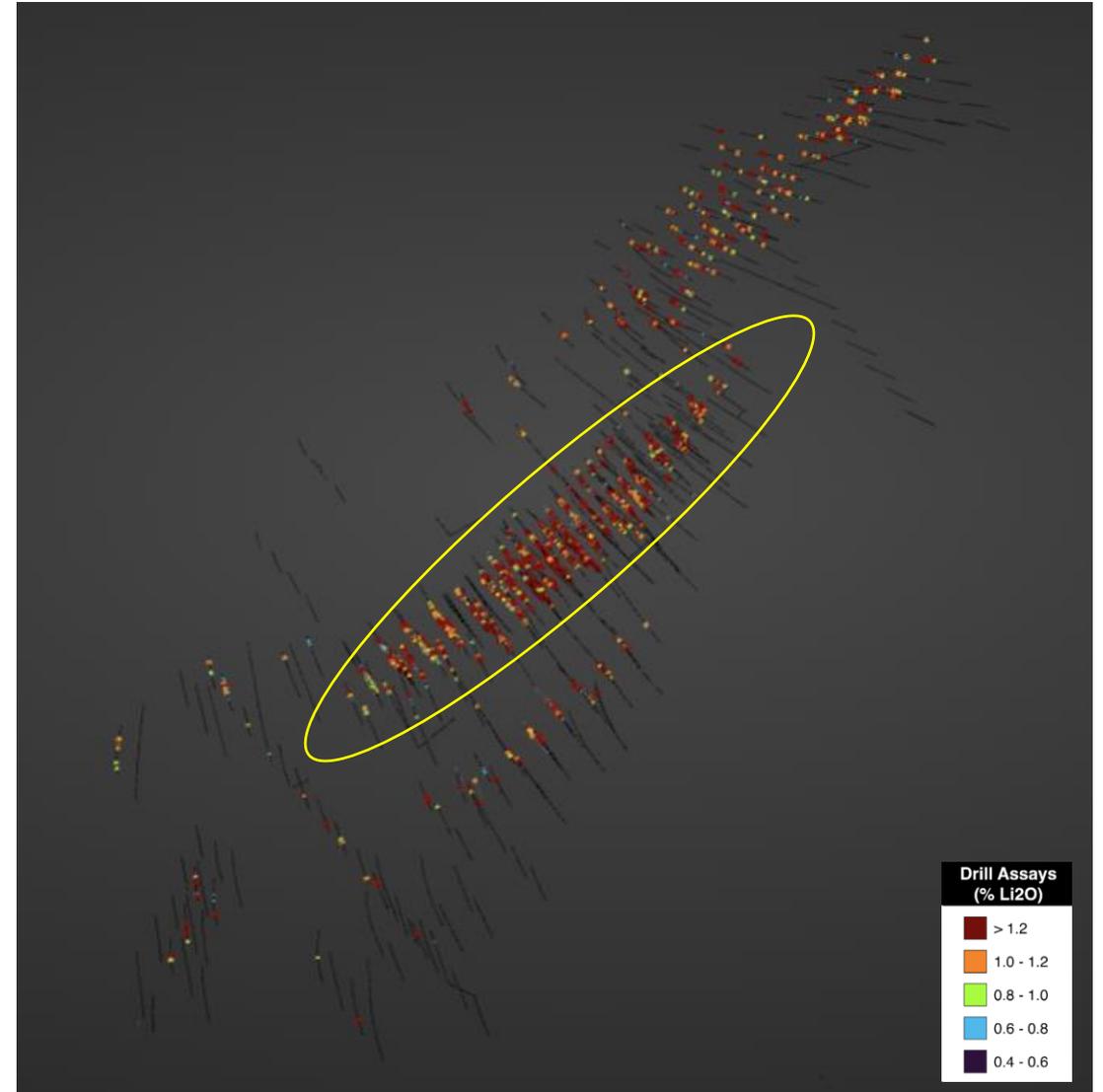
- Further high-grade results received from CY23 resource infill and expansion drilling
- Best drill intercept to date of **26m @ 1.53% Li₂O**
- Manna Central resource area continues to demonstrate continuity and return high-grades
- Significant intercepts outside the current resource
- New zone of lithium mineralisation identified under cover southwest of Manna Central
- Manna pegmatites have returned grades >1% Li₂O over a 3.2km strike length to a 450m vertical depth
- Complete assay results expected Q1 CY24 and will be included in updated MRE in Q2 CY24



Manna - Central Zone

Infill drilling continues to demonstrate continuity and deliver high-grade results

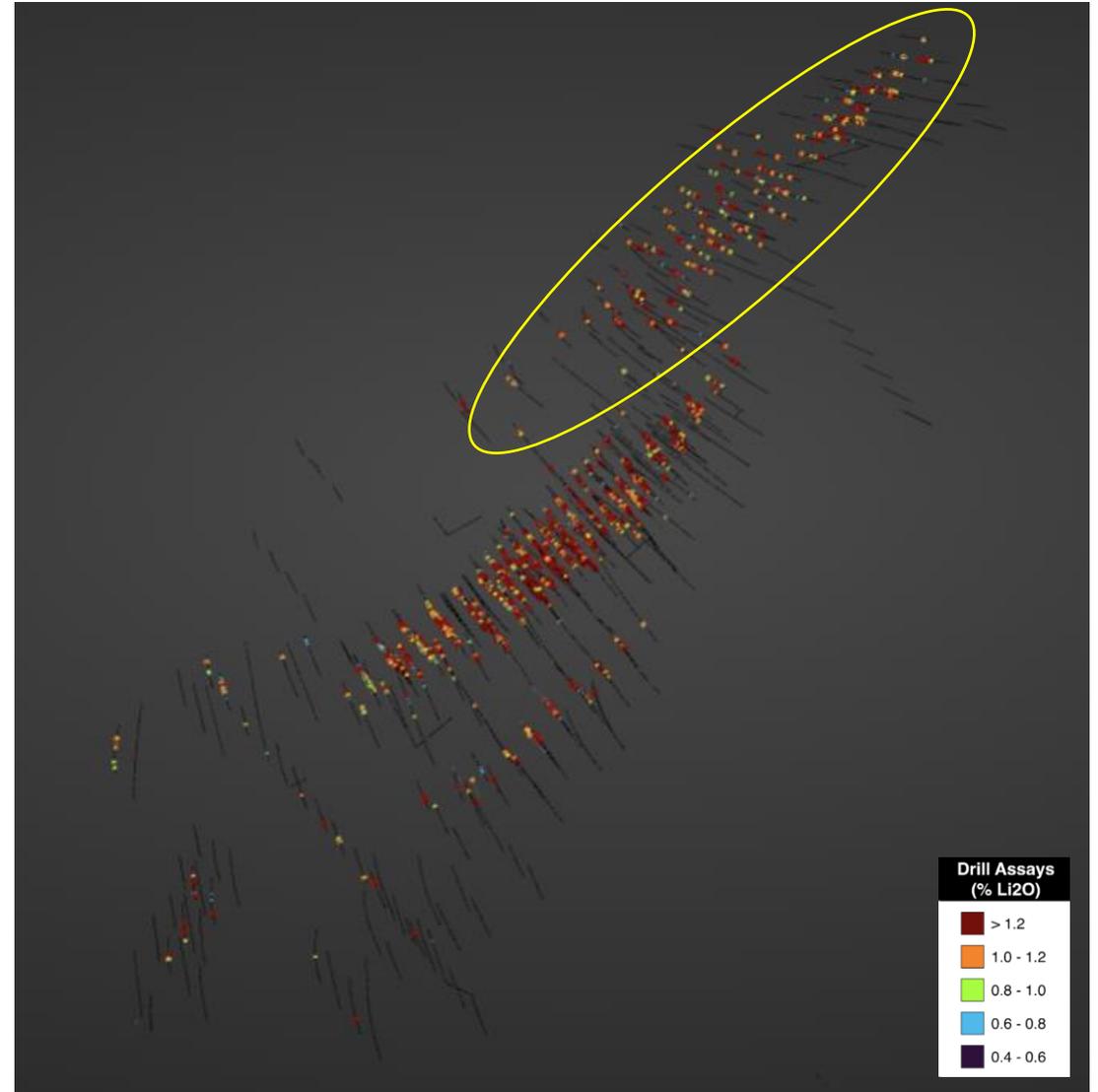
- High-grade infill drilling results from CY23 program include:
 - 26m @ 1.53% Li_2O from 249m in MRC0290
 - 15m @ 1.58% Li_2O from 251m in MRC0306
 - 13m @ 1.34% Li_2O from 75m in MRC0356
 - 10m @ 1.35% Li_2O from 163m in MRC0359
 - 10m @ 1.49% Li_2O from 125m in MRC0364
- Key sections infilled to a 40 x 40m spacing to support mine planning and MRE update
- Central pegmatite zone tested over a 1.4km strike to a vertical depth of 450m



Manna - North Zone

Drilling in Manna north-eastern extension delivers significant intercepts outside of current resource

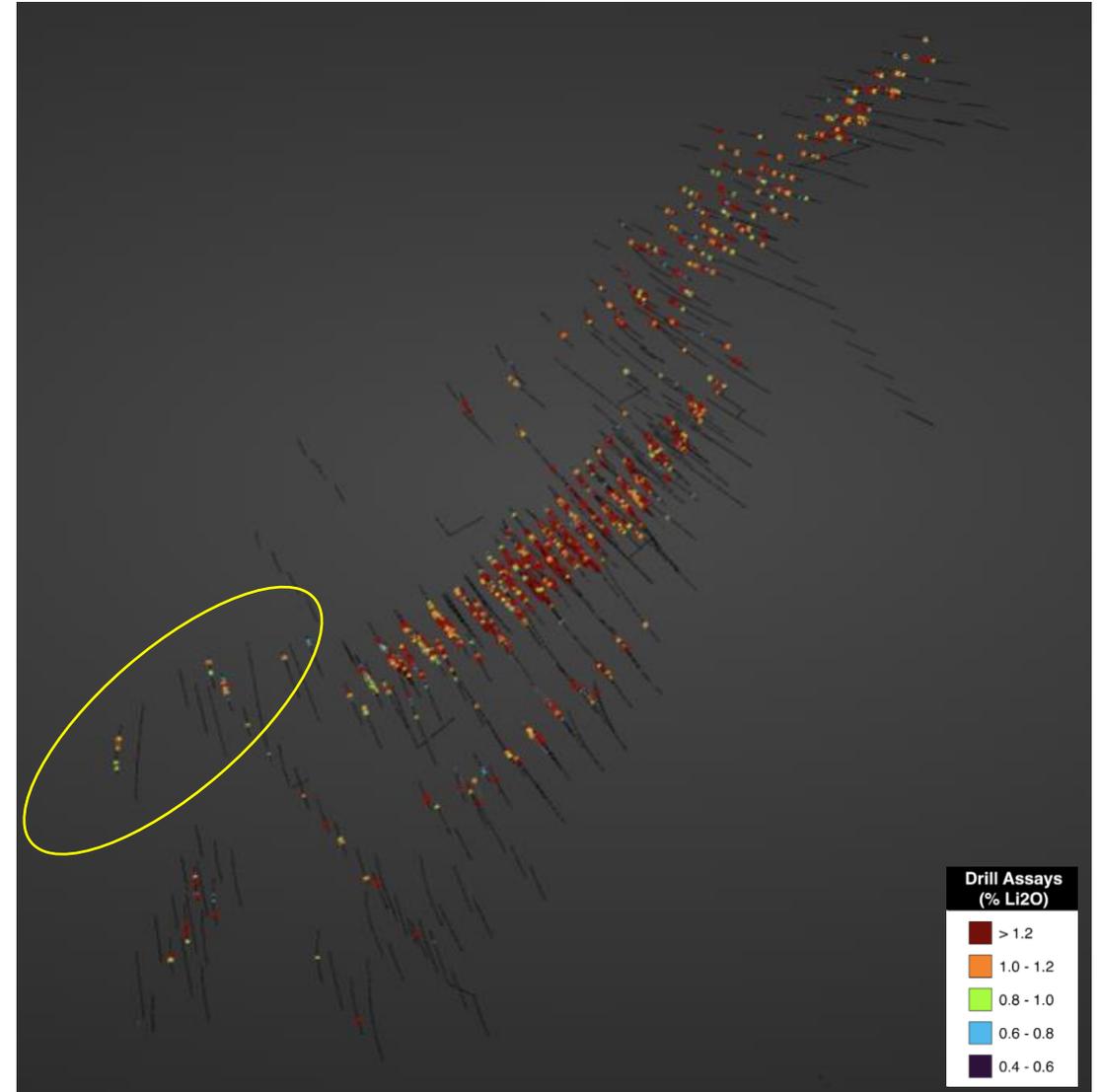
- CY23 drilling in north-eastern extension extends mineralisation, including:
 - 10m @ 1.61% Li_2O from 317m in MRC0236
 - 8m @ 1.19% Li_2O from 378m in MRC0257
 - 10m @ 1.14% Li_2O from 417m in MRC0257
 - 22m @ 1.03% Li_2O from 461m in MRC0252
 - 15m @ 1.11% Li_2O from 468m in MRC0364
- Assay results pending from drilling targeted to confirm shallow extensions of mineralisation along strike to northeast
- Underground study underway focussed on the Manna North mineralisation



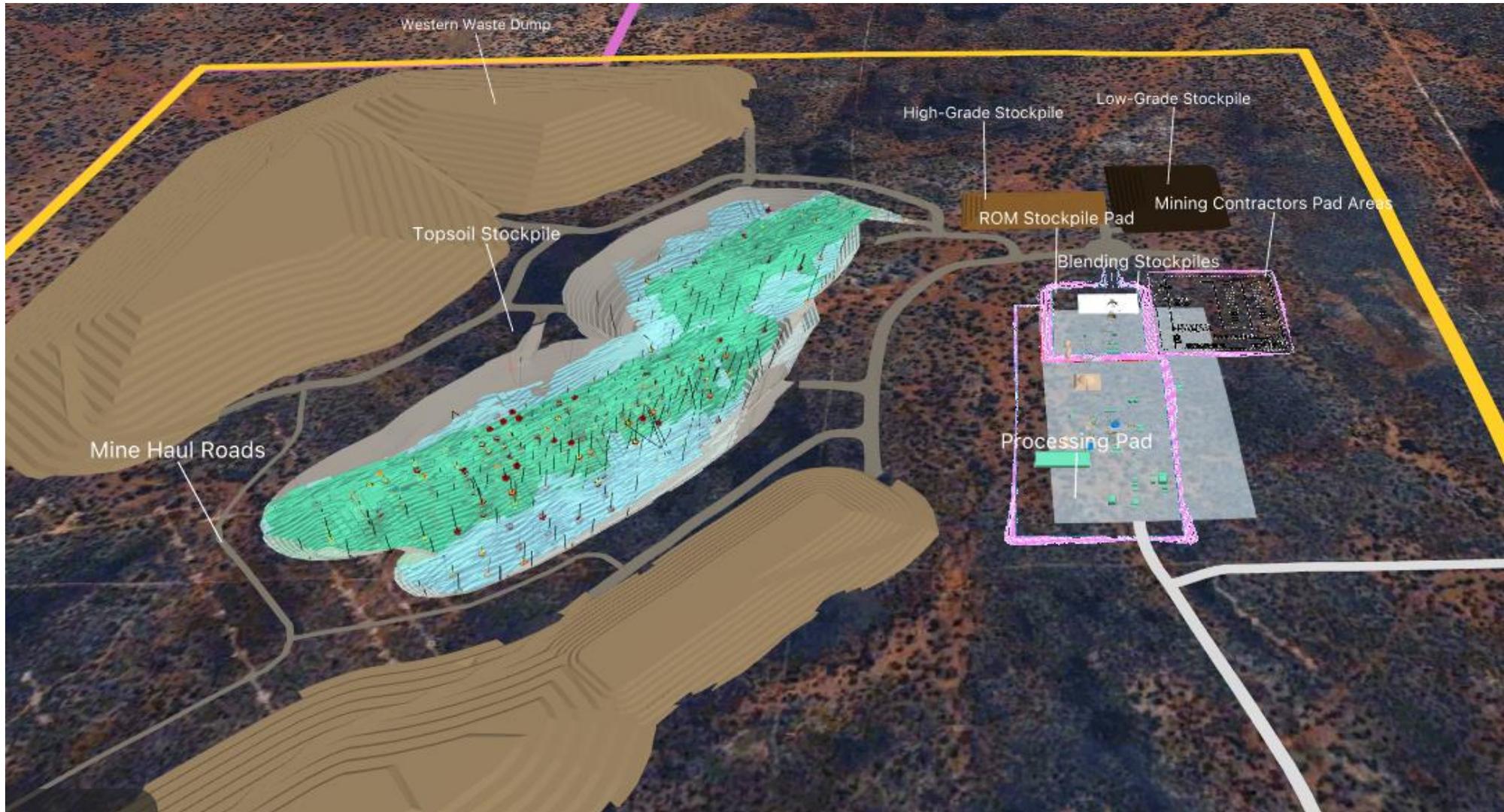
Manna - South Zone

Step out exploration drilling identifies new zone of lithium mineralised pegmatite

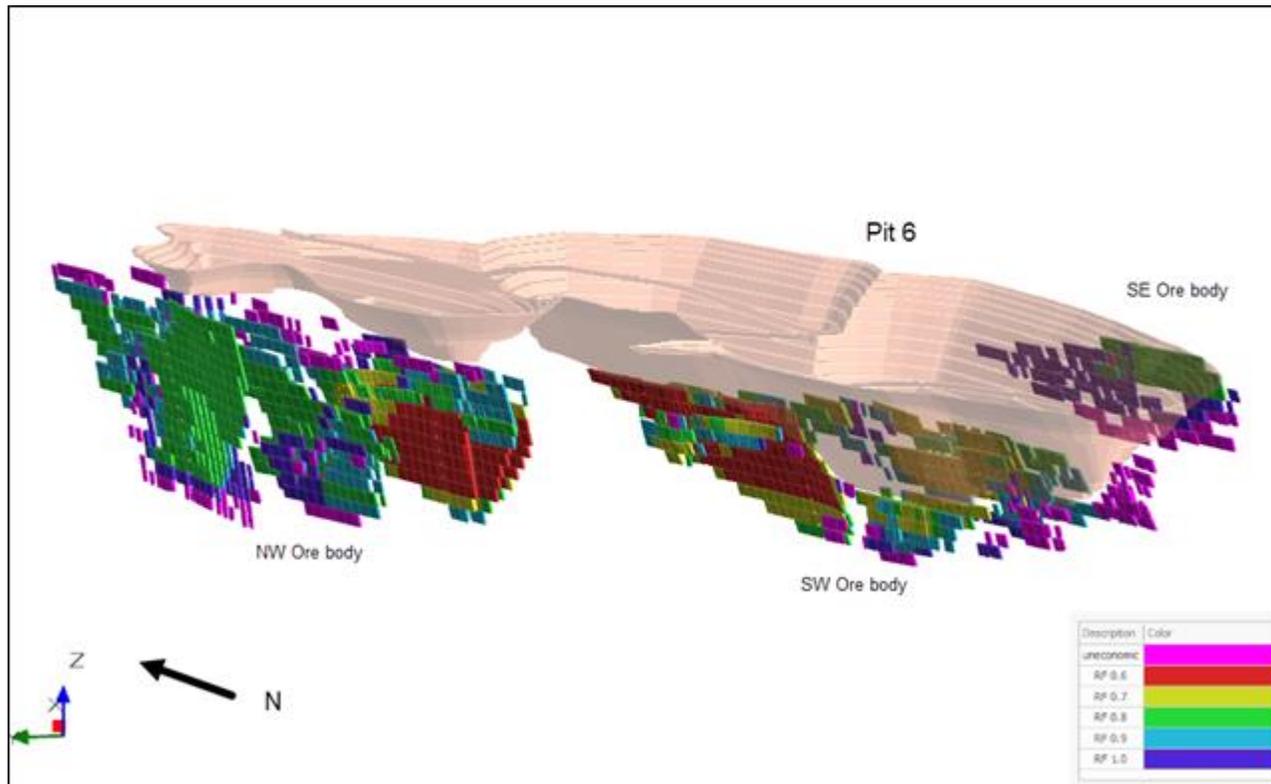
- New zone to the south of Manna Central resource area demonstrates potential for new discoveries and large resource
- Highlights from step out exploration drilling include:
 - MRC0339
 - 4m @ 0.64% Li₂O from 137m
 - 6m @ 0.79% Li₂O from 146m
 - 3m @ 1.05% Li₂O from 155m
 - 6m @ 0.93% Li₂O from 161m
 - 11m @ 0.64% Li₂O from 173m
- Assays still pending with results expected Q1 CY24
- Follow-up drilling in CY24 to target up dip and strike extensions



Manna - VRIFY Geological Model



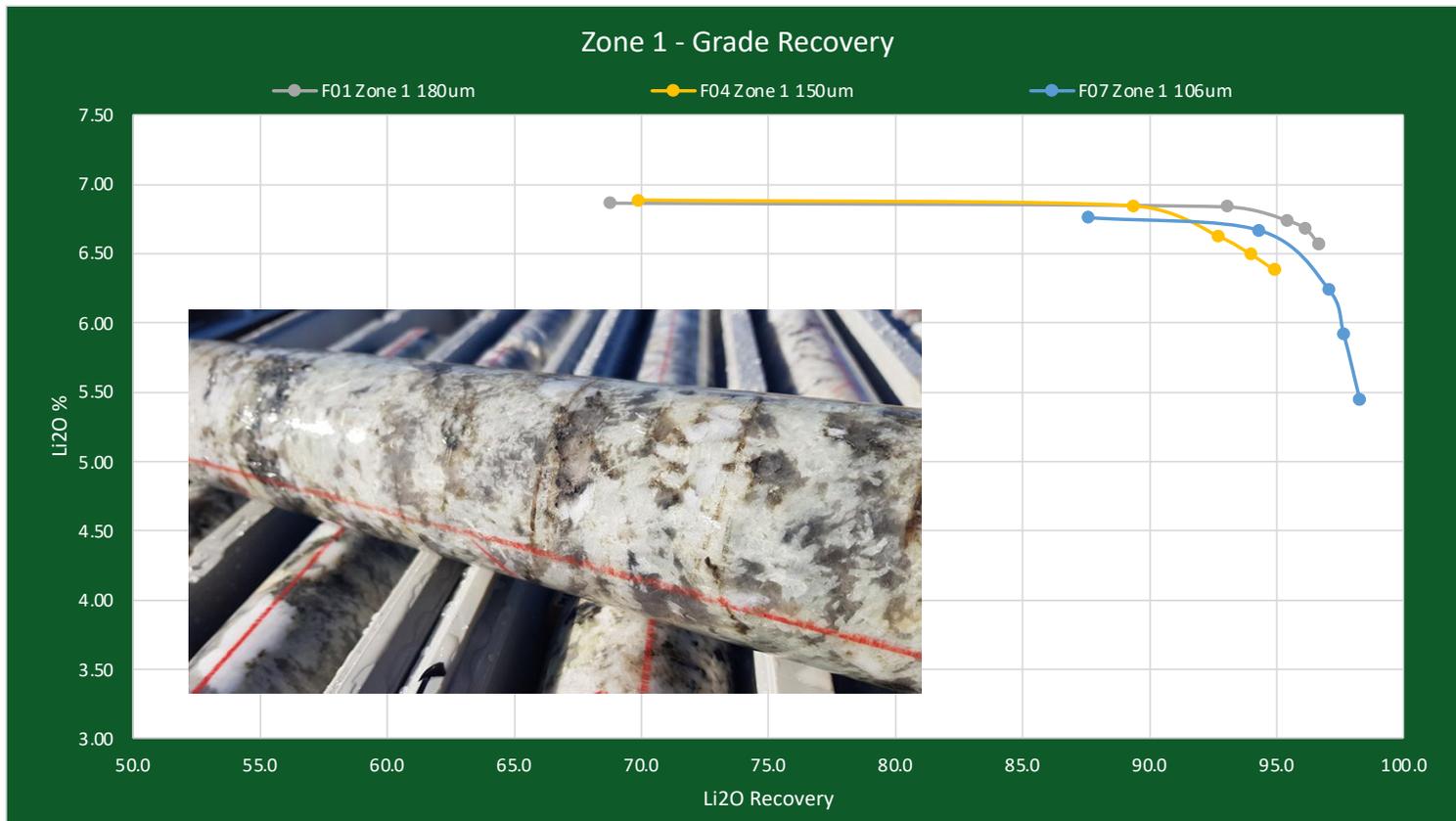
Conceptual Combined OP/UG option



- Concept Study compared three options for “future opportunity” & outlined framework for an underground DFS
 1. Underground to follow completion of open pit mining at Manna and Manna North pits
 2. Underground mining from an adjusted DFS open pit position.
 3. As per option #2 above with the assumption that there is no open pit mining undertaken at Manna North
- **Outcomes**
 - Underground mining is feasible in the latter years of mining
 - Underground not favourable against open pit in initial years, i.e. difficulty achieving process throughputs with narrow stopes and multiple active mining areas

Definitive Feasibility Study

- DFS and related metallurgical studies well advanced
- Completion of DFS expected CY24 and to incorporate:
 - Updated MRE including all CY23 drilling program results
 - Detailed mine schedule
 - Metallurgical and process flowsheet test work results
 - Detailed operating and capital costs
- Metallurgical test work demonstrates rougher flotation recovery >95% at 5.5% Li₂O or better and SC grade of >5.5% Li₂O¹



Flotation performed on all ore types revealed liberated float feed with product grades $\geq 6.5\%$ Li₂O

Approvals and Permitting

Environmental

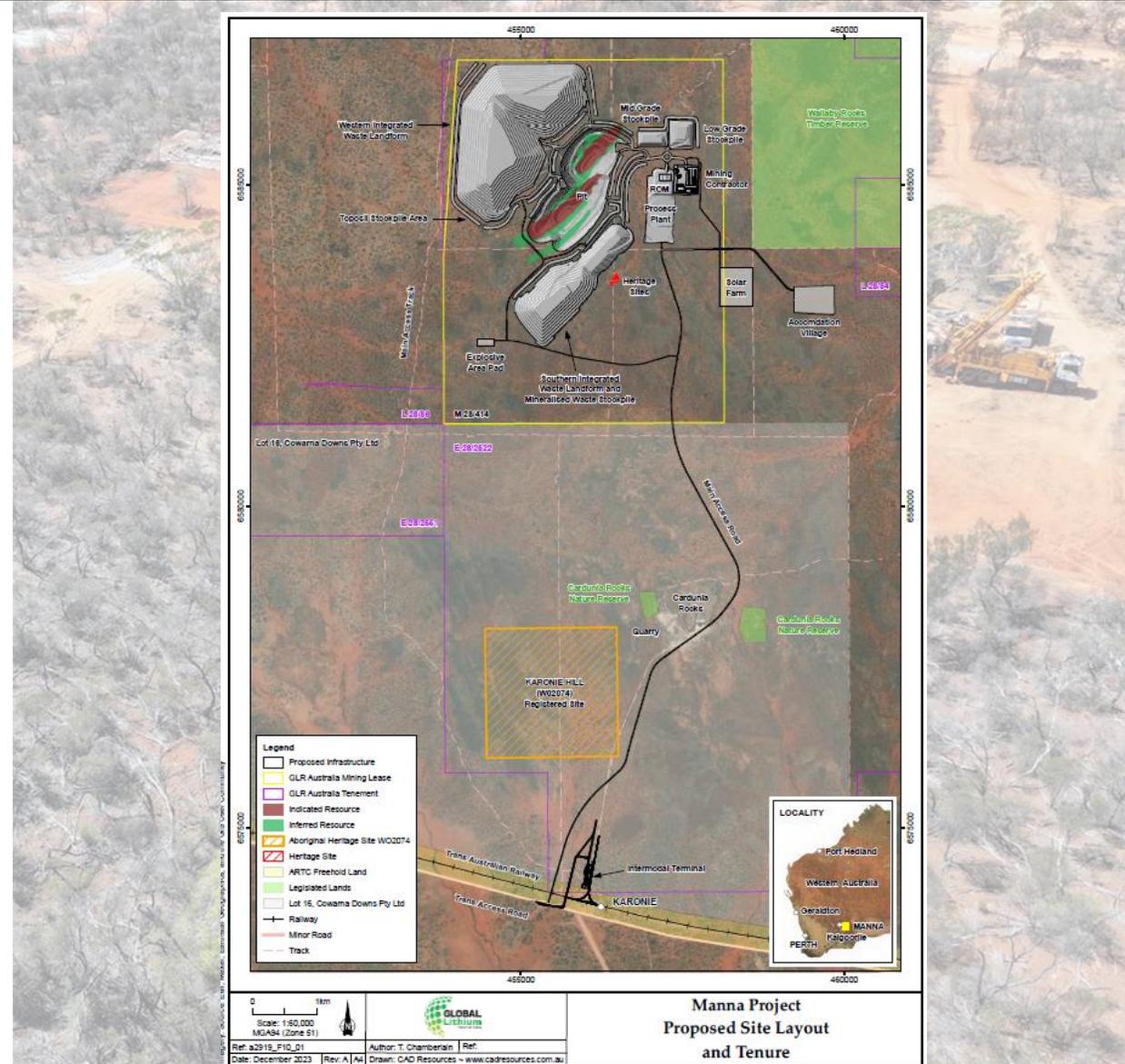
- All flora and fauna surveys completed with no significant impacts identified

Native Title and Heritage

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

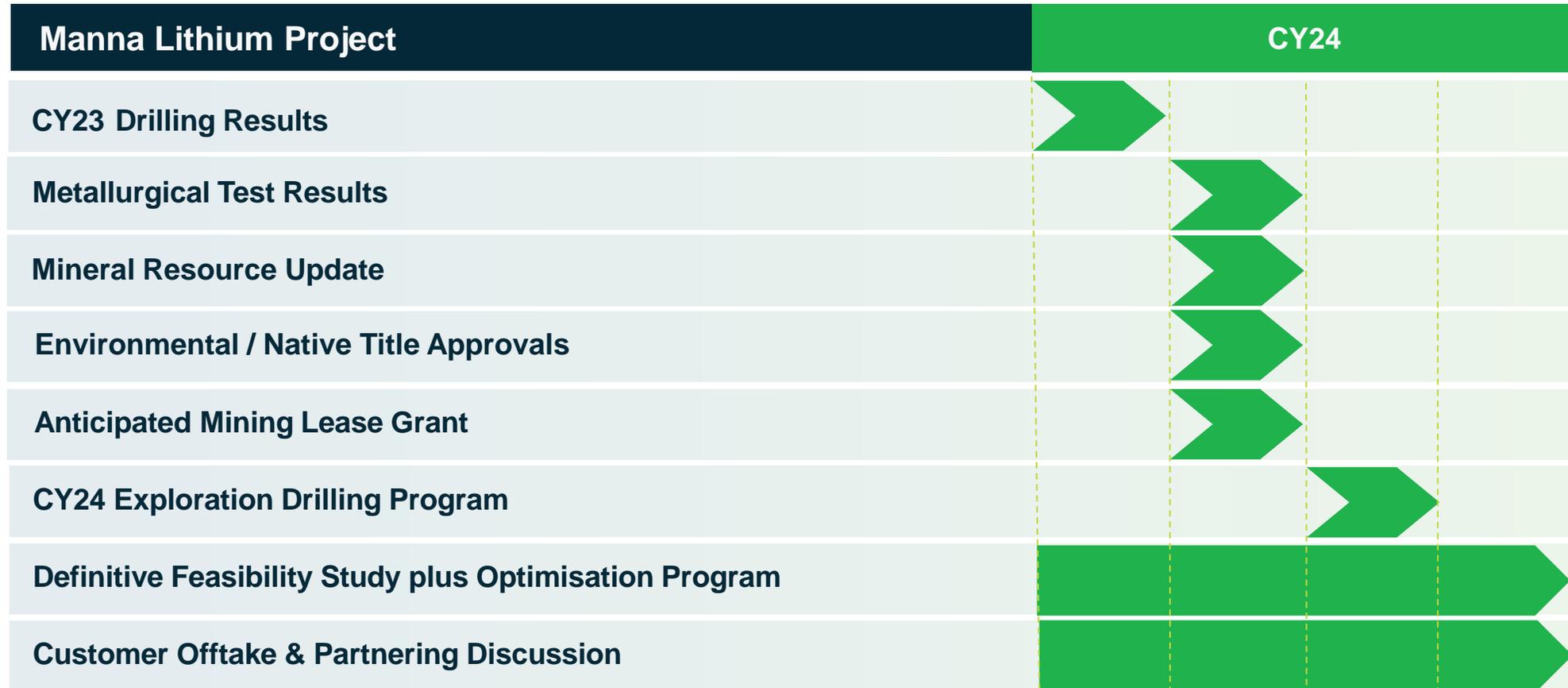
Mining Lease

- 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



2024 Key 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% 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

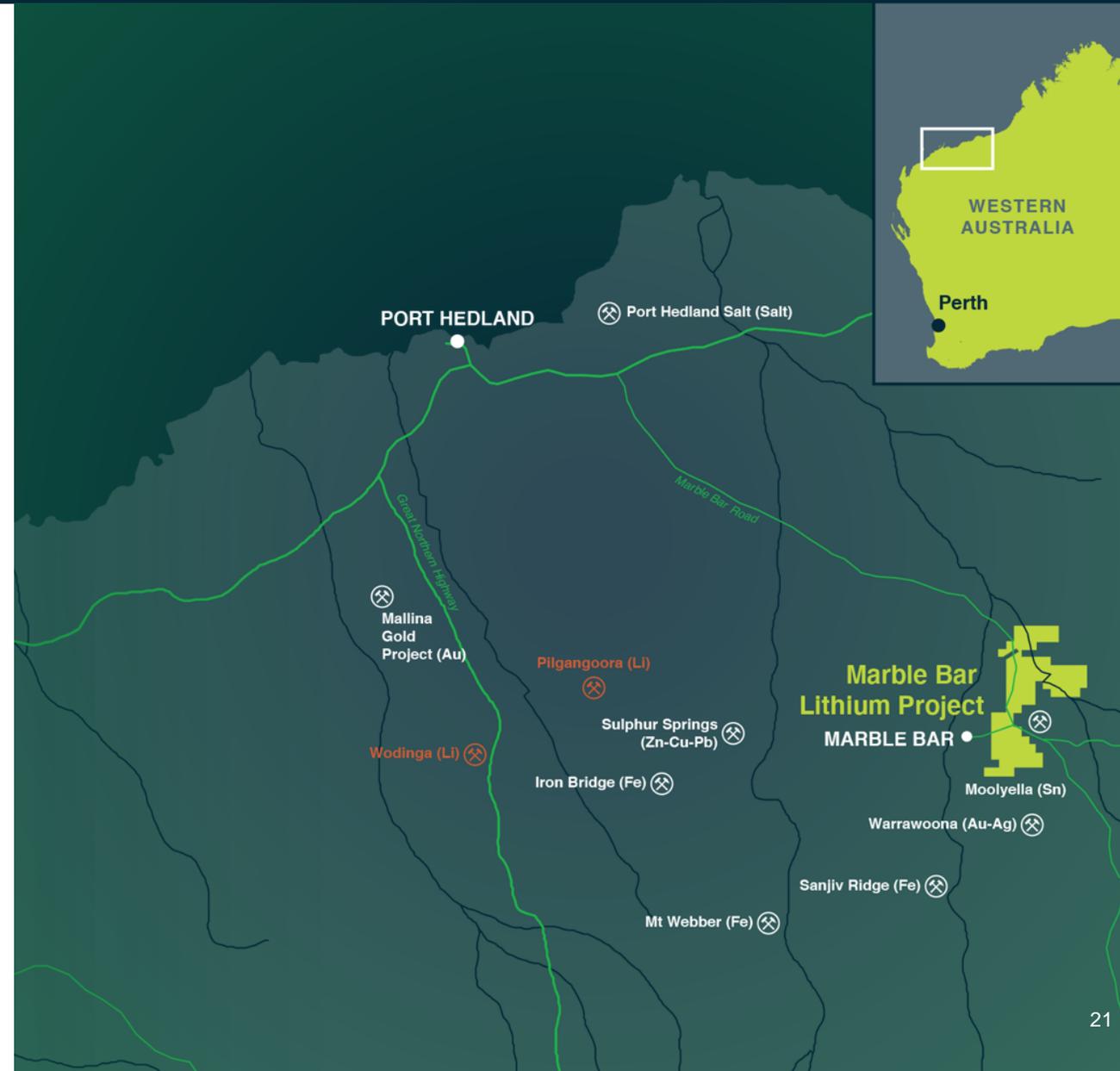
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li₂O³
- Lithium mineralisation in drilling identified over 15km

Exploration Upside

- Highest grade lithium assays delivered to date⁴
- Highly prospective gold and base metal targets tested in 2023
- 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.



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	20.2	1.12	56
	Inferred	15.8	1.14	52
	Subtotal	36.0	1.13	54
Combined Total		54.0	1.09	53

¹ Refer ASX release titled "Manna Lithium Project Resource Grows," 26 July 2023.

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

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