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GLOBAL LITHIUM RESOURCES
Investor Presentation

21 February 2024

ASX:GL1

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Strategic Highlights

GLOBAL Lithium resources

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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 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)

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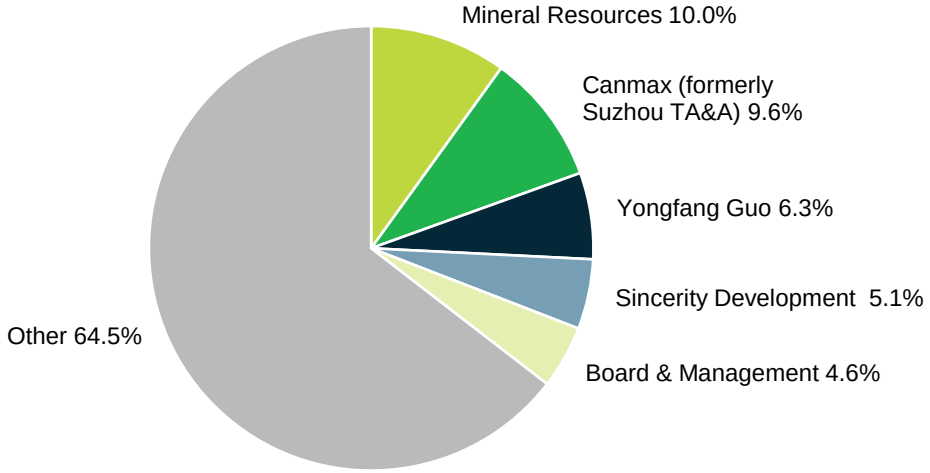
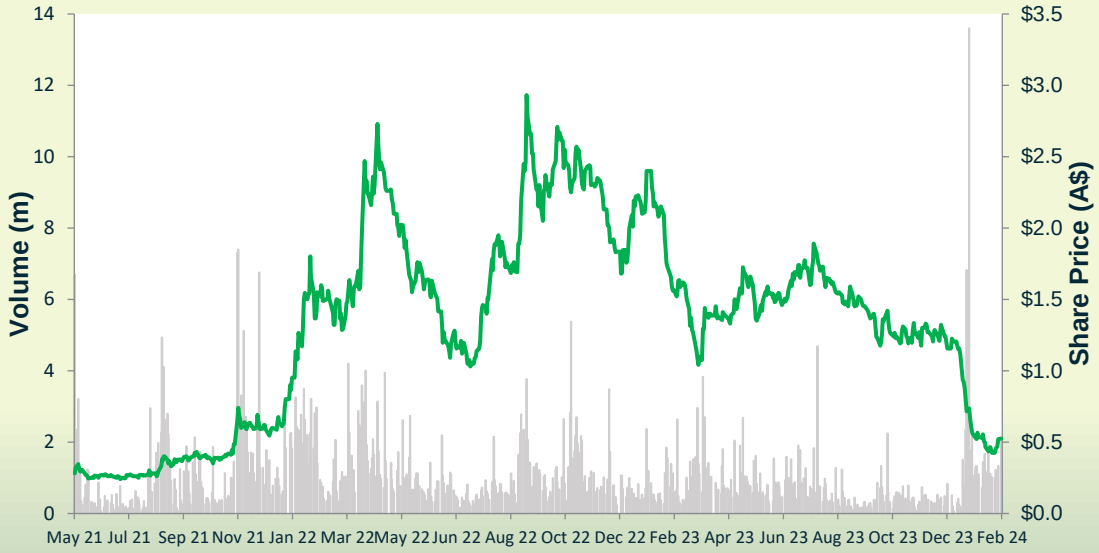
Market Cap	Share Price	Shares on issue
A$136.7m	A$0.525	260m

Options[1]	Cash[2]	Equity in ASX:KAI[3&4]
12.4m	A$36m	$3.67m (10%)

Share Register



ASX share price performance



Research Coverage

MACQUARIE
Canaccord Genuity
Barrenjoey
ARGONAUT
ShawandPartners
Jefferies

[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

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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

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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.

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MANNA LITHIUM PROJECT

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

Manna Exploration Upside

GLOBAL Lithium resources

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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]
- Updated MRE anticipated following CY23 program
- Infill drilling to increase confidence in resource classification
- Extensional drilling focussed on growing the resource
- Resource open at depth and in multiple directions
- Direct and indirect landholding increased 280% to 700km^2 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

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Major Mines & Projects

City of Kalgoorlie-Boulder

Trans Australian Railway

Access Road

High-speed Data

Utilities

Manna Lithium Project – Changes to Tenement holding

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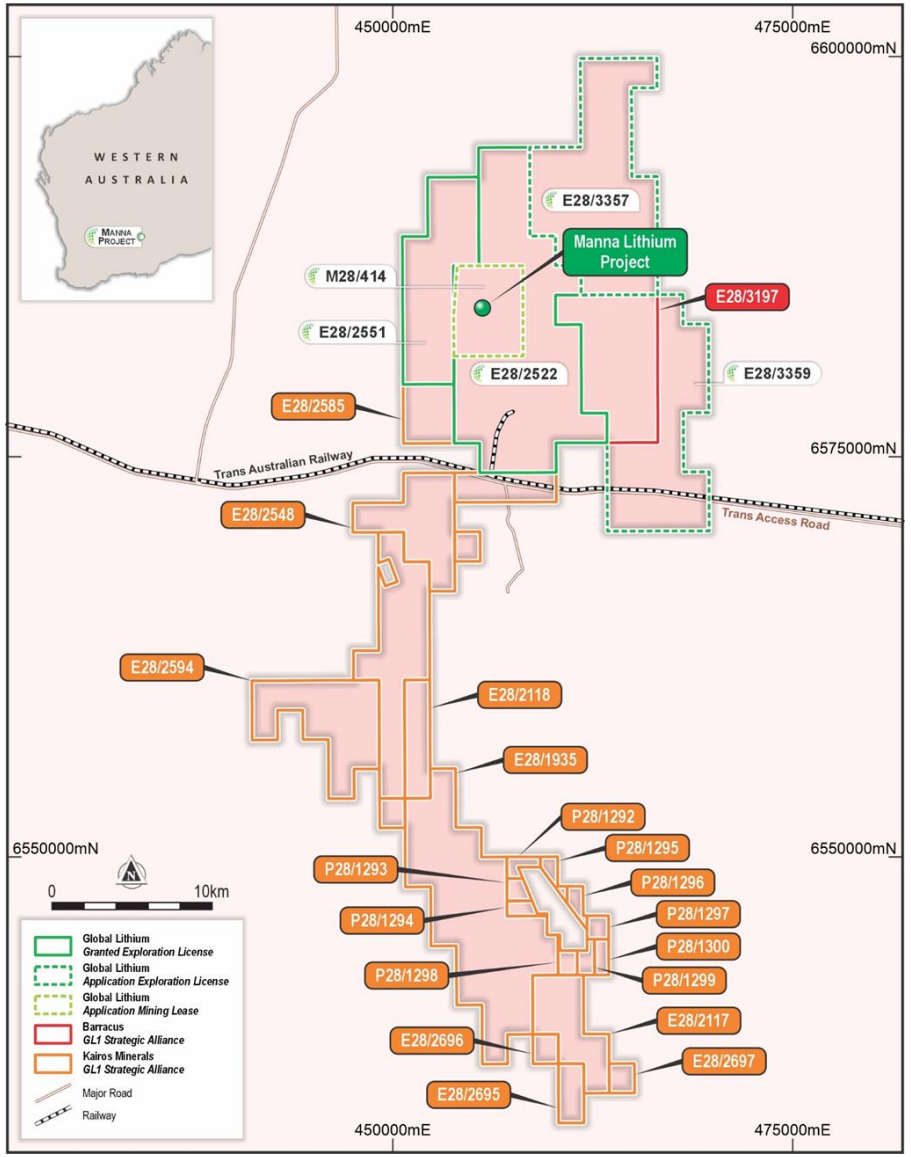
Tenement Changes

- E28/3359 won in ballot – 19 blocks, mainly overlying granite/syenite
- E28/2585 – compulsory partial surrender by KAI. Applications by three parties including a Hancock subsidiary
- Manna total direct and indirect landholding now 700 km^2
  - increased 280% from Jan 2023



High-Grade Drilling Results Continue

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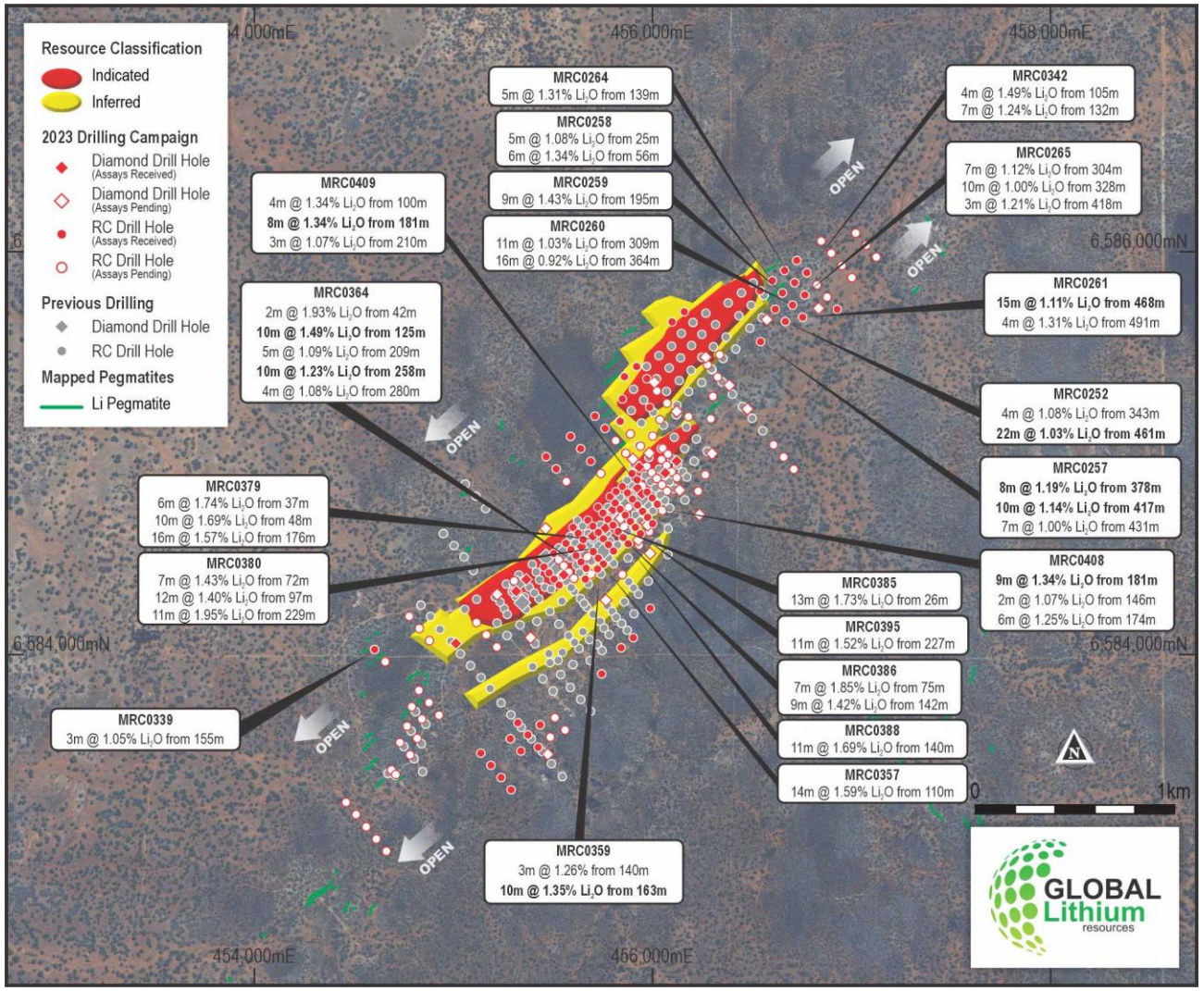
Over 60,000m of Reverse Circulation and Diamond Drilling completed during 2023

- Further high-grade results received from CY23 resource infill and expansion drilling
- Best drill intercept to date of **26m @ 1.53% Li_2O**
- 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% Li_2O 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



[1] Refer ASX release titled "High-Grade Drilling Results Continue at Manna", 19 December 2023

Manna - Central Zone

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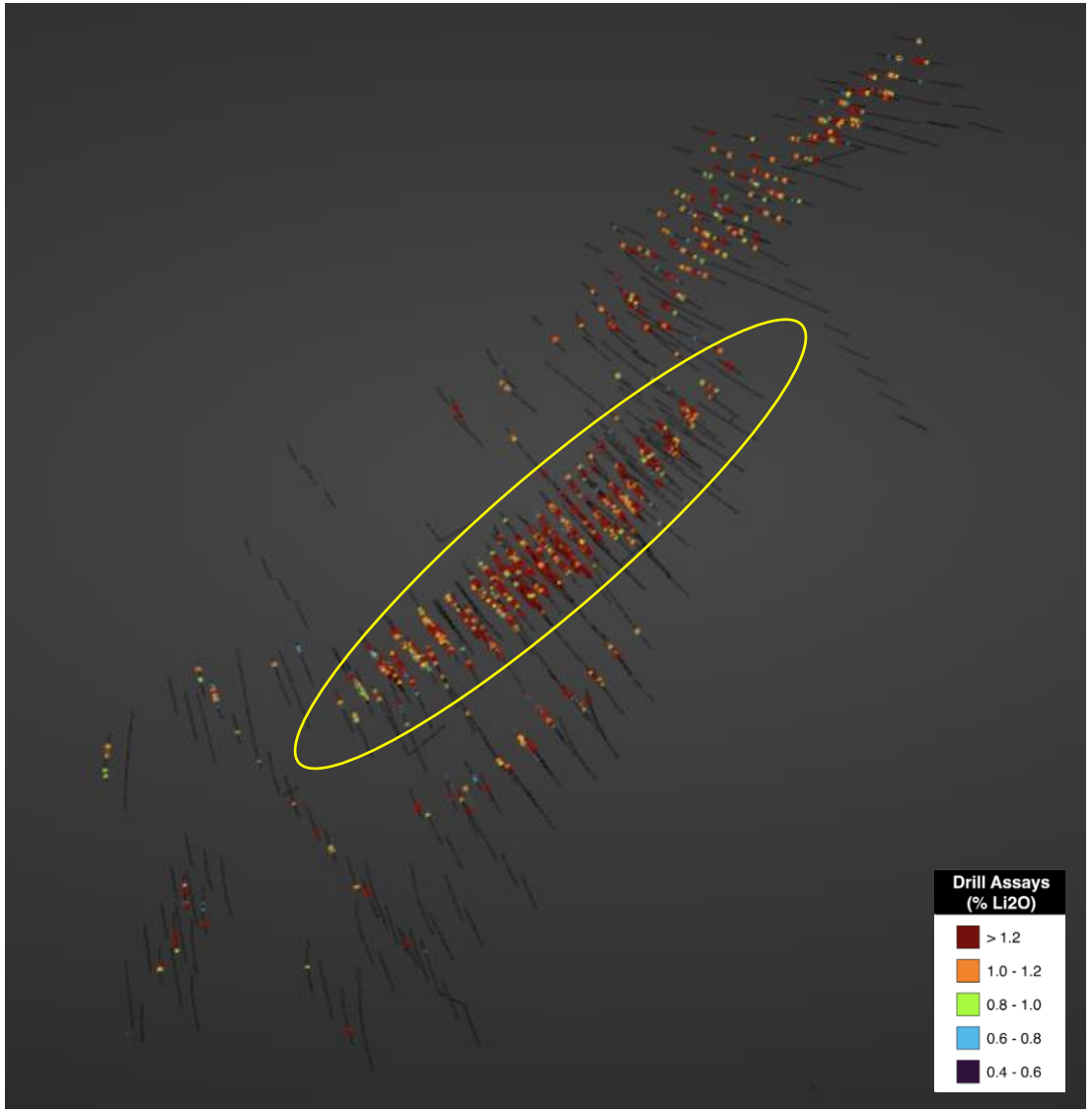
Infill drilling continues to demonstrate continuity and deliver high-grade results

- 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



[1] Refer ASX release titled "High-Grade Drilling Results Continue at Manna", 19 December 2023

Manna - North Zone

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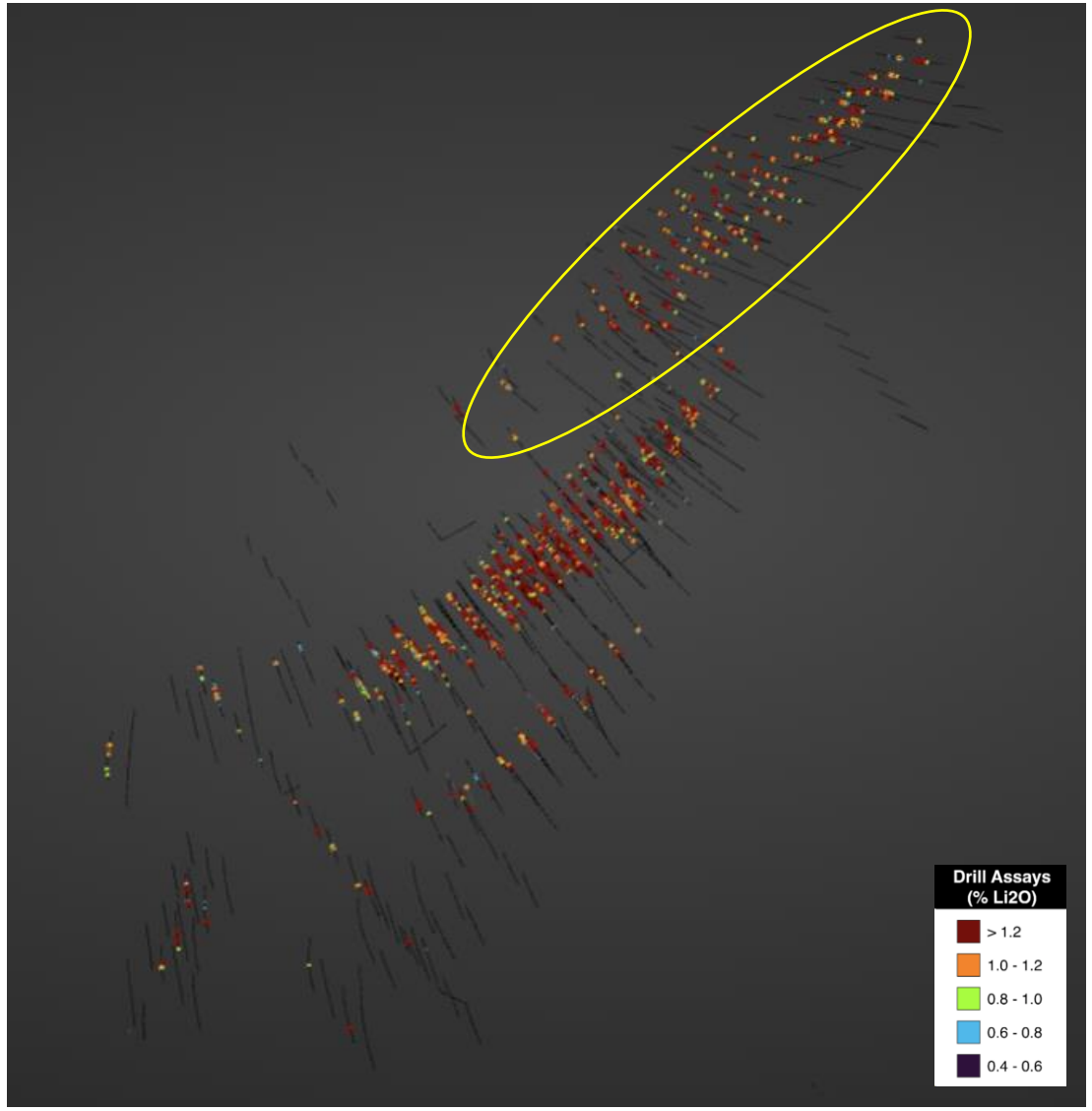
Drilling in Manna north-eastern extension delivers significant intercepts outside of current resource

- 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



[1] Refer ASX release titled "High-Grade Drilling Results Continue at Manna", 19 December 2023

Manna - South Zone

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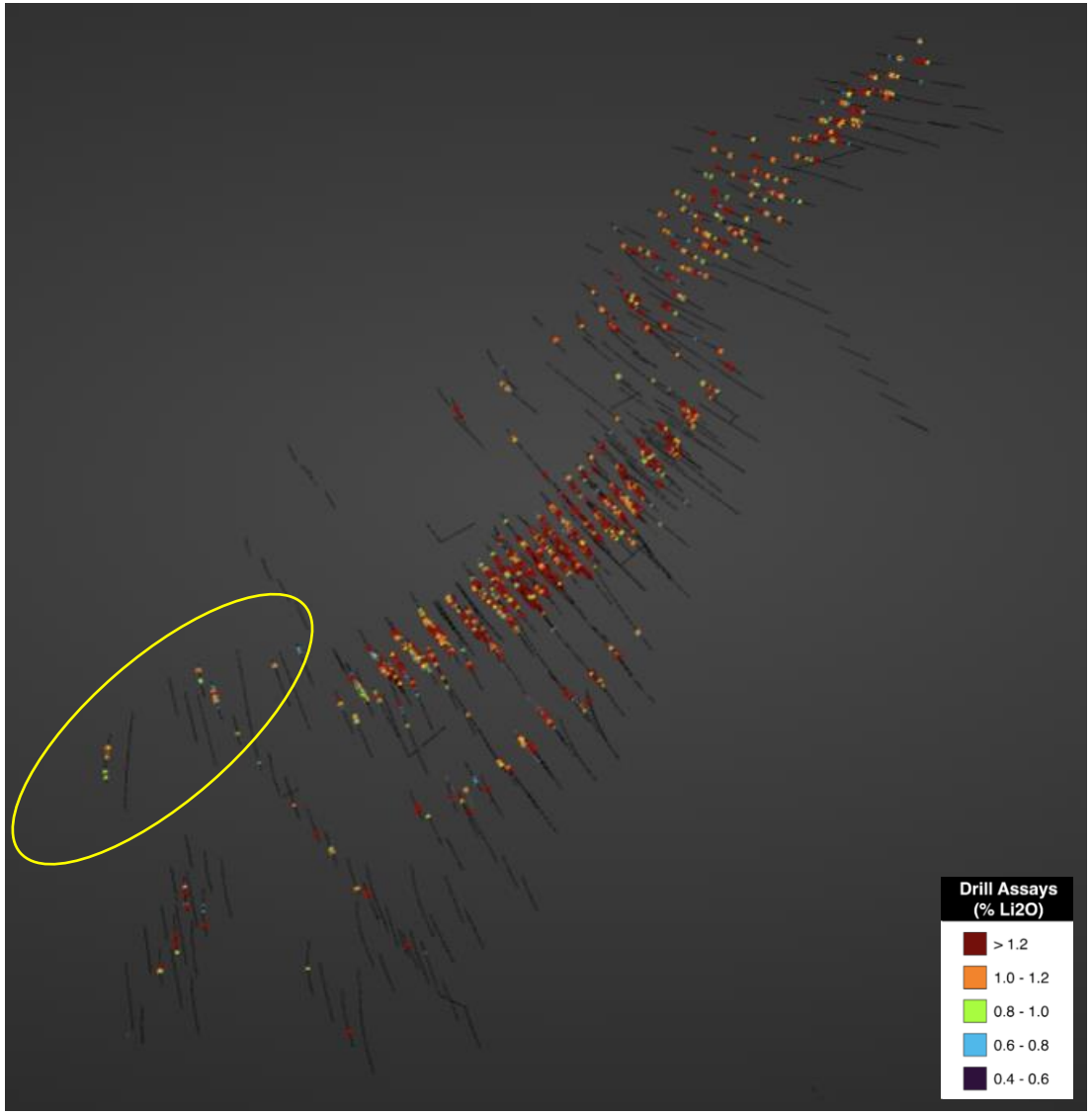
Step out exploration drilling identifies new zone of lithium mineralised pegmatite

- 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% Li_2O** from 137m
    - **6m @ 0.79% Li_2O** from 146m
    - **3m @ 1.05% Li_2O** from 155m
    - **6m @ 0.93% Li_2O** from 161m
    - **11m @ 0.64% Li_2O** from 173m
- Assays still pending with results expected Q1 CY24
- Follow-up drilling in CY24 to target up dip and strike extensions



[1] Refer ASX release titled "High-Grade Drilling Results Continue at Manna", 19 December 2023

Manna - VRIFY Geological Model

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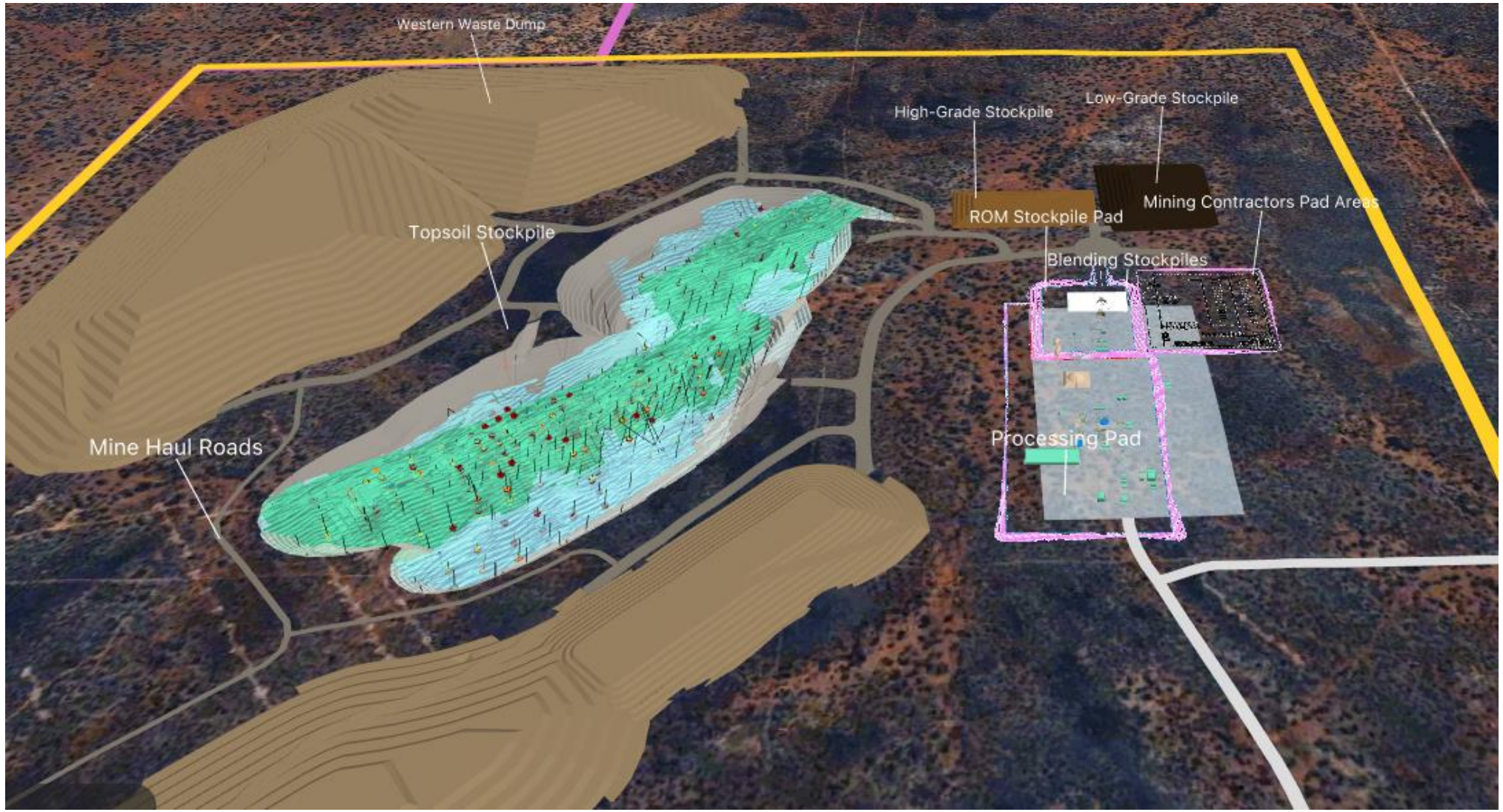

Underground Concept Study

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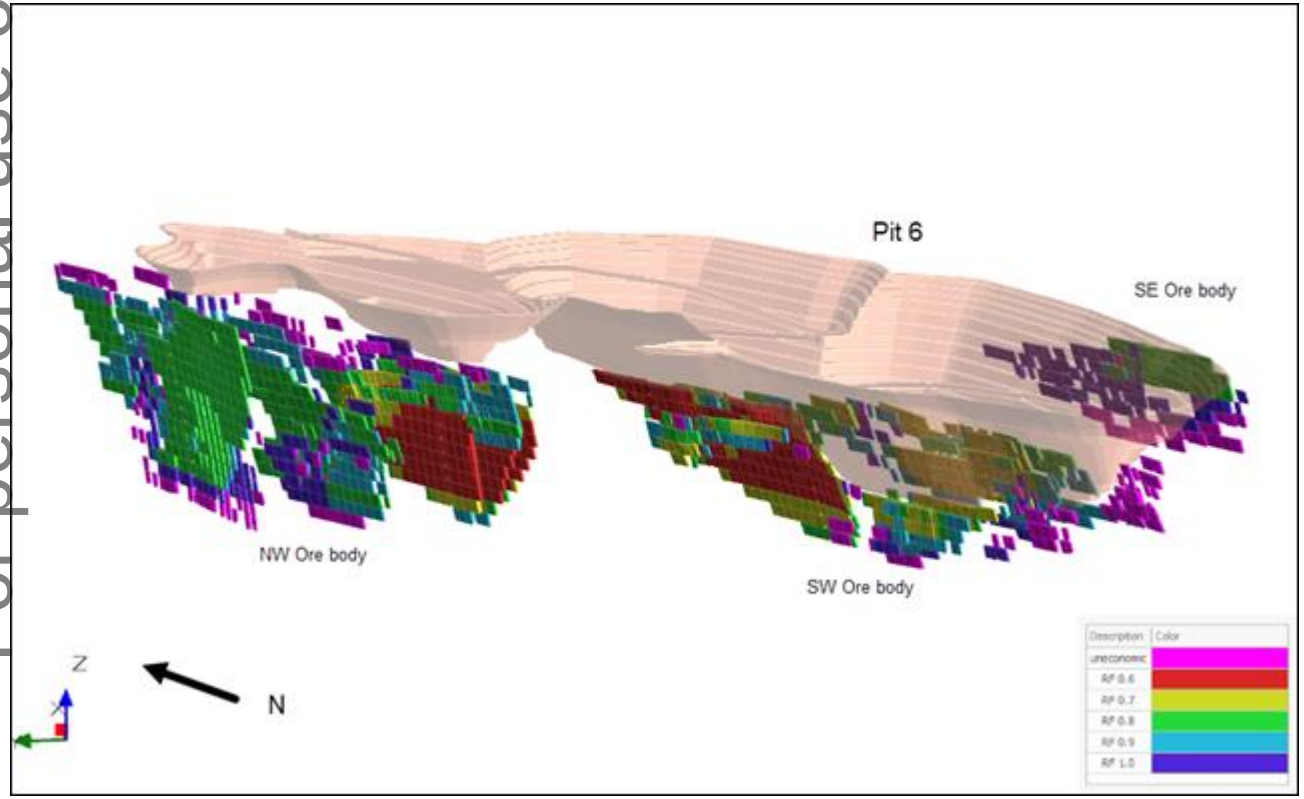
Conceptual Combined OP/UG option



- 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

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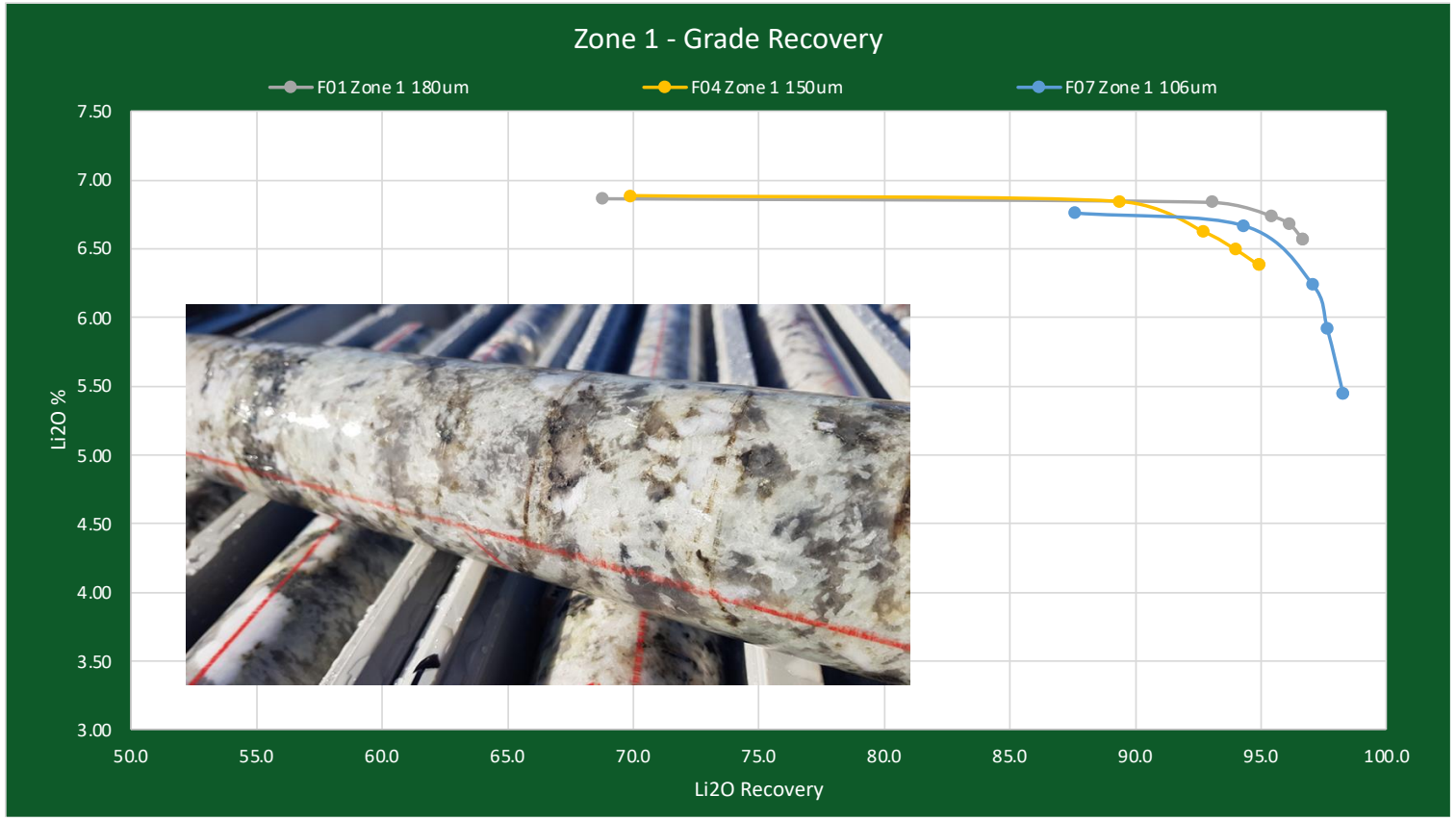
- DFS and related metallurgical studies well advanced
- Completion of DFS expected CY24 and to incorporate:
  - Updated MRE including all CY23 drilling program results
  - Detailed mine schedule
  - Metallurgical and process flowsheet test work results
  - Detailed operating and capital costs
- Metallurgical test work demonstrates rougher flotation recovery >95% at 5.5% Li_2O or better and SC grade of >5.5% Li_2O[1]



Flotation performed on all ore types revealed liberated float feed with product grades ≥6.5% Li_2O

1 Refer ASX release titled "MANNA DFS AND METALLURGICAL TEST WORK UPDATE" 16 NOVEMBER 2023

Approvals and Permitting

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Environmental

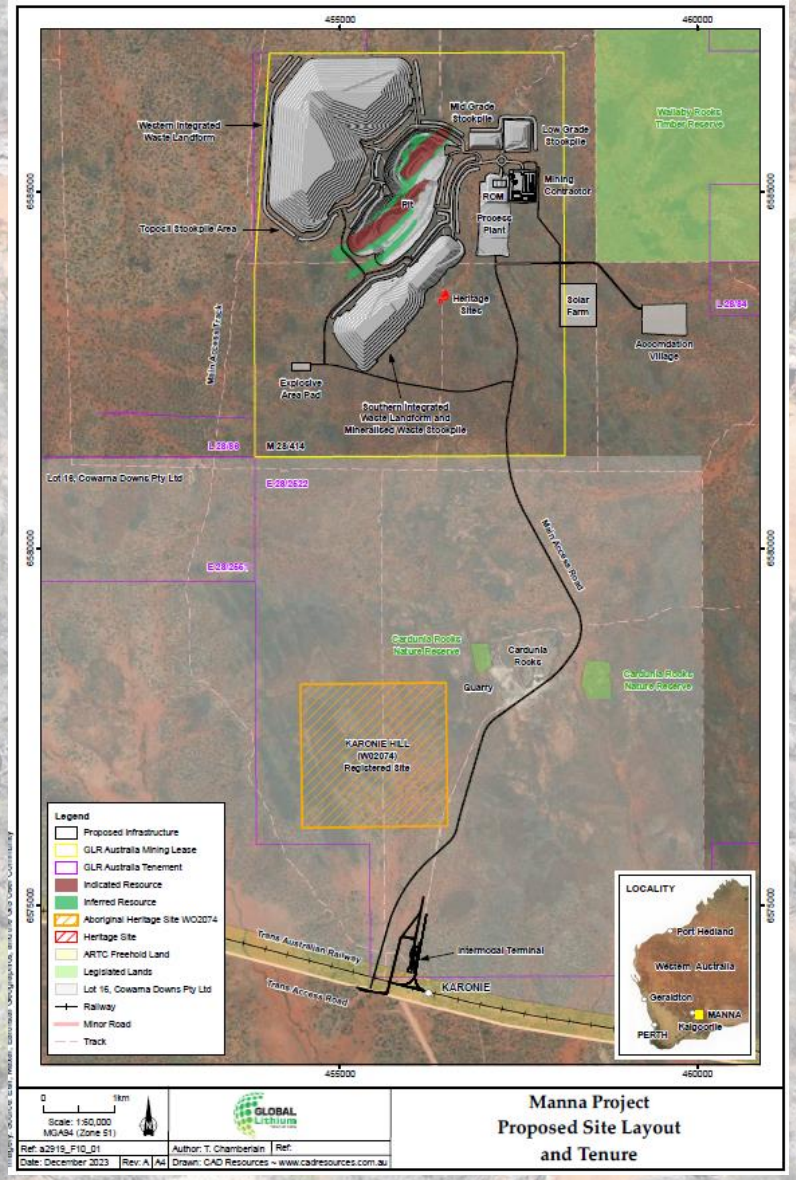
- All flora and fauna surveys completed with no significant impacts identified

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.

2024 Key Milestones: De-risked and Disciplined

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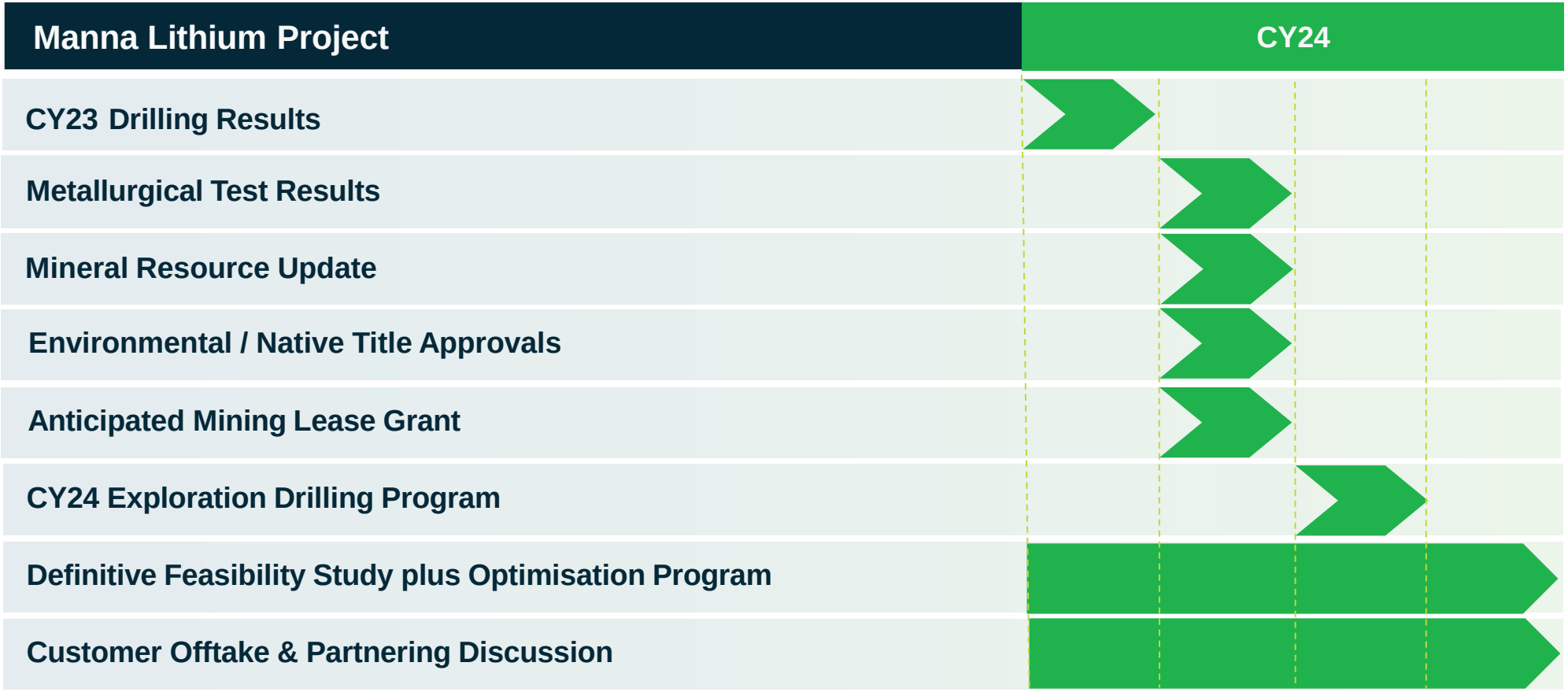
Well positioned to capture significant upside with anticipated lithium market recovery



GLOBAL Lithium resources

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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

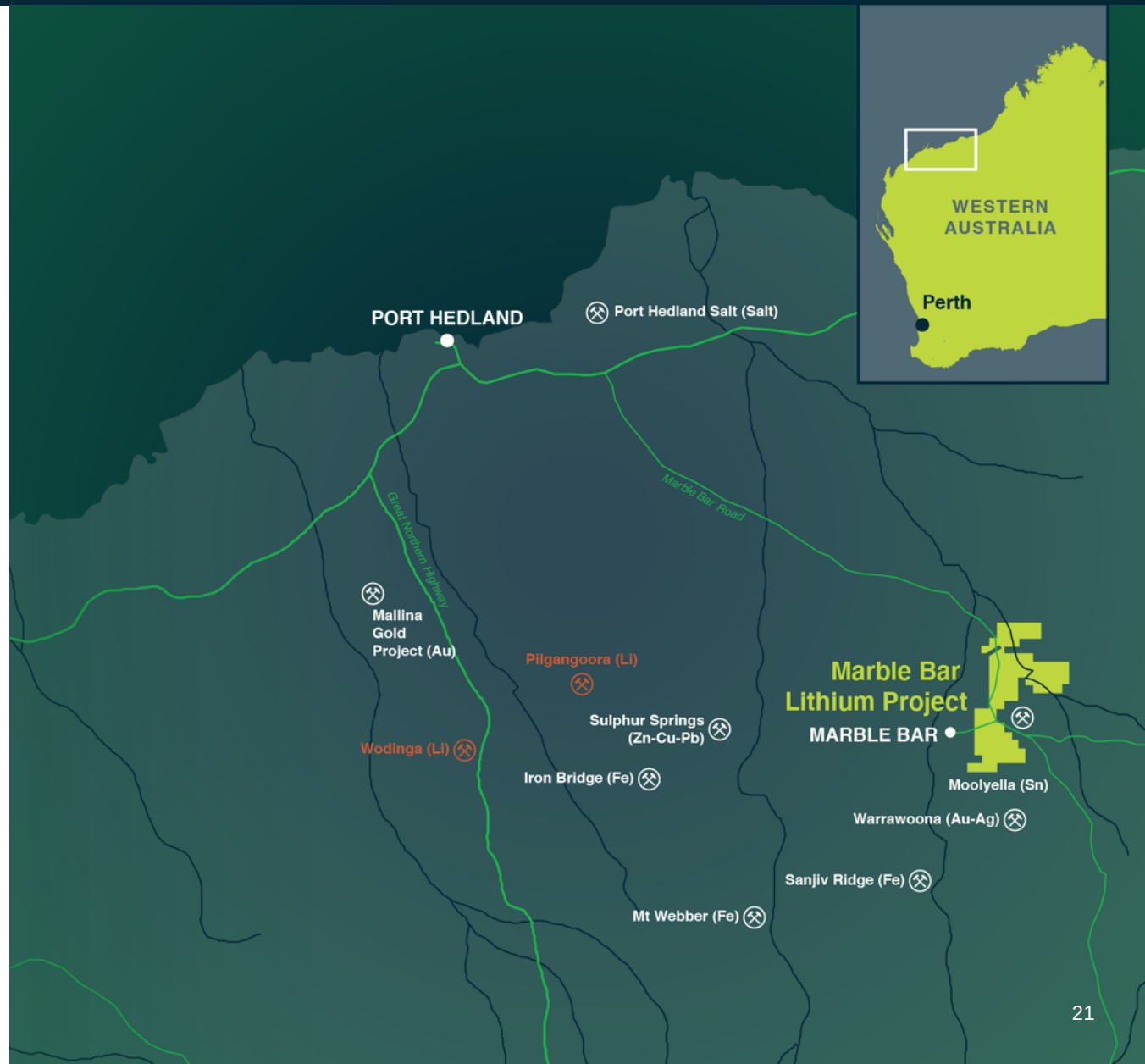
- Inferred Mineral Resource of 18.0Mt @ 1.0% Li_2O[3]
- Lithium mineralisation in drilling identified over 15km

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.

Community

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Global Lithium – Mineral Resources

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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	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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