



Fast-tracking development of our West Australian lithium assets

Resources Rising Stars, Gold Coast

David Flanagan
Executive Chairman

16 – 17 May 2023

ASX: [DLI](#)

Disclaimer and Competent Persons Statement

Disclaimer

This presentation by its nature contains summarised information. See Delta Lithium's' other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange, which are available at www.asx.com.au for more information.

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Competent Persons Statements

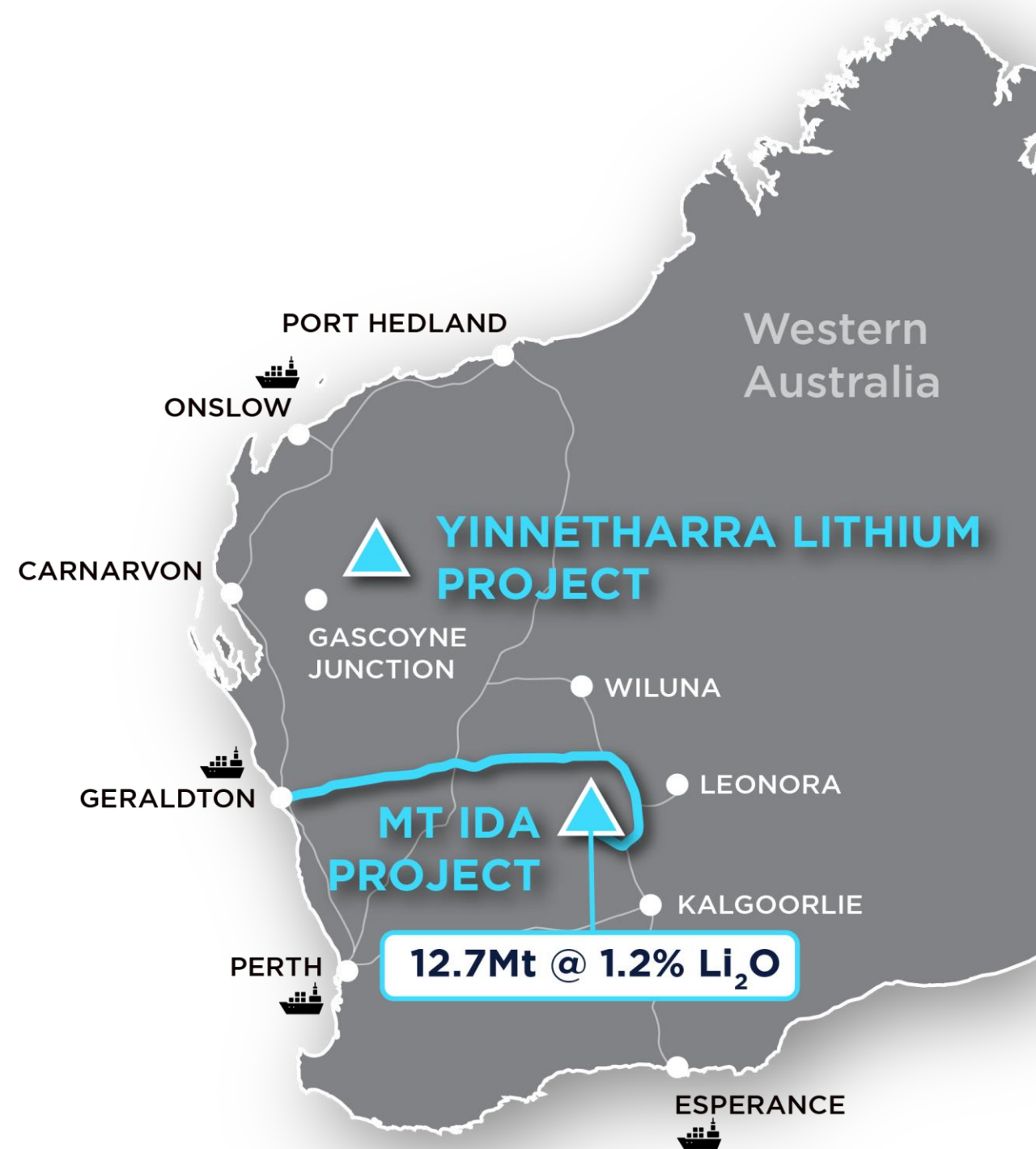
Exploration information in this Announcement is based upon work undertaken by Mr. Charles Hughes who is a Member of the Australasian Institute of Mining and Metallurgy (AUSIMM). Mr. Hughes has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a 'Competent Person' as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr. Hughes is an employee of Delta Lithium Limited and consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

Mineral Resource Estimates reported in this announcement have been previously prepared and disclosed by Delta Lithium in accordance with JORC 2012 on 19 October 2022 to the ASX markets platform. The Company confirms that it is not aware of any new information or data that materially affects the information included in this market announcement. The Company confirms that the form and content in which the Competent Person's findings are presented here have not been materially modified from the original market announcement, and all material assumptions and technical parameters underpinning Mineral Resource Estimates in the relevant market announcement continue to apply and have not materially changed. Refer to www.deltalithium.com.au for past ASX announcements.

Authorised for release by Executive Chairman, David Flanagan.

Corporate Overview

Delta Lithium is focused on rapidly advancing the Mt Ida Lithium Project towards production, whilst conducting an aggressive exploration programme at the highly prospective Yinnetharra Lithium Project.



Corporate Snapshot

Market Cap

\$245m (at \$0.55)

Cash

~\$52m (as at 31 Mar)

Shares on Issue

446.0m

Options

47.9m

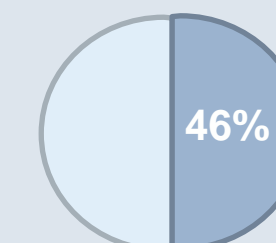
Performance Rights

30.2m

Major Shareholders

Top 20

(inc 12.1% held by Warratah Capital Advisors)

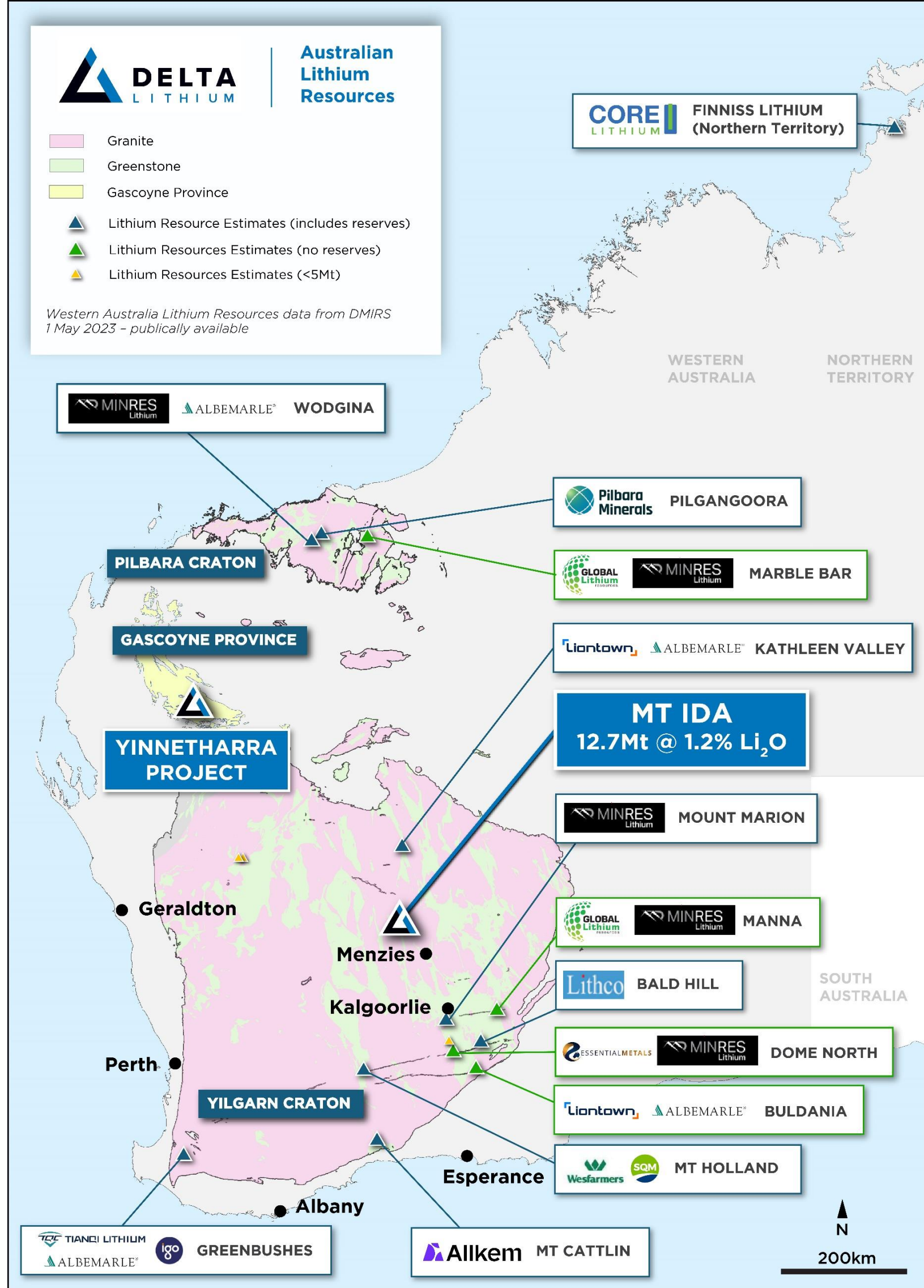
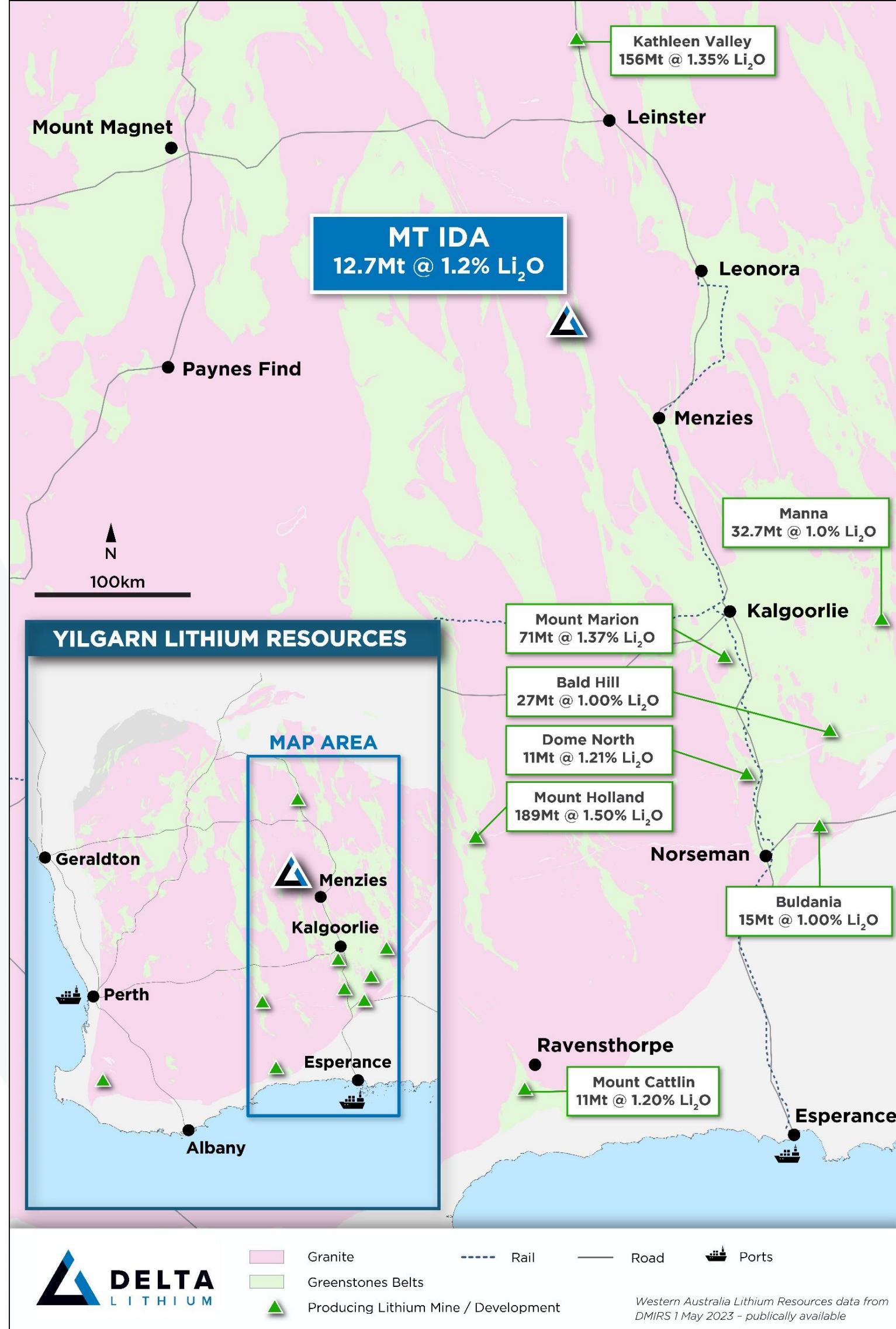


ABN: 67 107 244 039

ASX: **DLI**

deltalithium.com.au

WA Lithium Projects

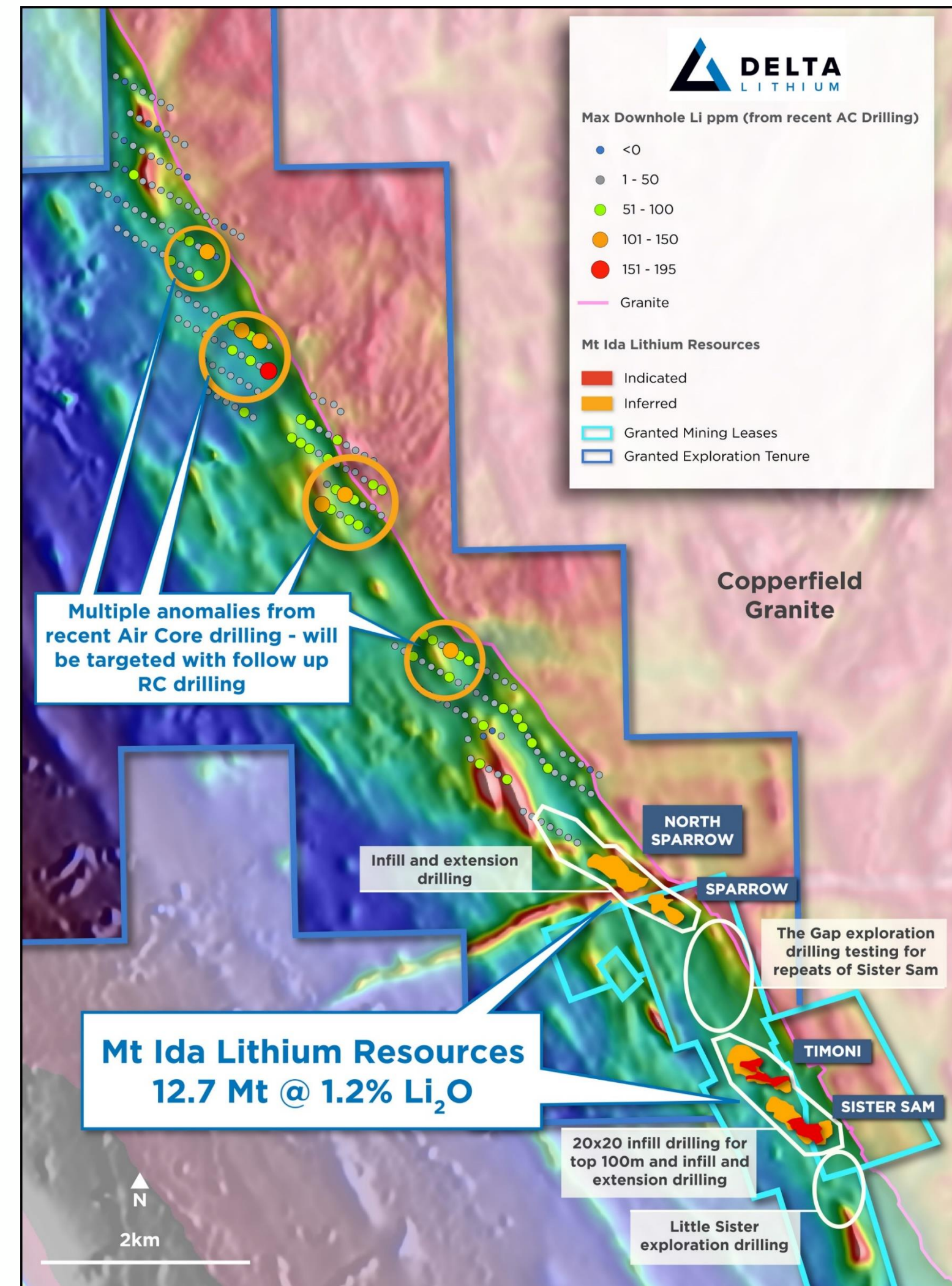


Mt Ida Lithium Project

- Growth

- **First year of lithium exploration delivered a 12.7Mt resource**, 6 new priority targets
- **Fantastic result from infill drilling** at the Sister Sam pegmatite highlights great scope for resource expansion;
- **IDRD07 W2: 49.5 metres at 1.45% Li₂O from 387.5 metres including¹;**
 - 12.2 metres at 1.95% Li₂O from 389.1 metres,
 - 5.5 metres at 2.00% Li₂O from 405.6 metres, and
 - 5.7 metres at 1.90% Li₂O from 418.3 metres.
- Fantastic result from **extensional drilling** at IDR229W1 intercepted substantial new mineralisation - **90.1 metres at 0.95% Li₂O outside existing resources** from 650.8m at the BFB target.² The intercept includes;
 - 56.1metres at 1.1% from 674.0 metres;
 - 7.7 metres at 1.57 from 658.5 metres; and
 - 22.4 metres at 1.52% from 703.2 metres.
- Multiple regional Air-Core (“AC”) lithium anomalies present priority follow up targets as well as the Gap & Little Sister
- Drilling program well underway – 6 rigs, 200+ holes for a combined 60,000 metres

1. Refer to ASX announcement dated 25 January 2023
2. Refer to ASX announcement dated 24 April 2023.

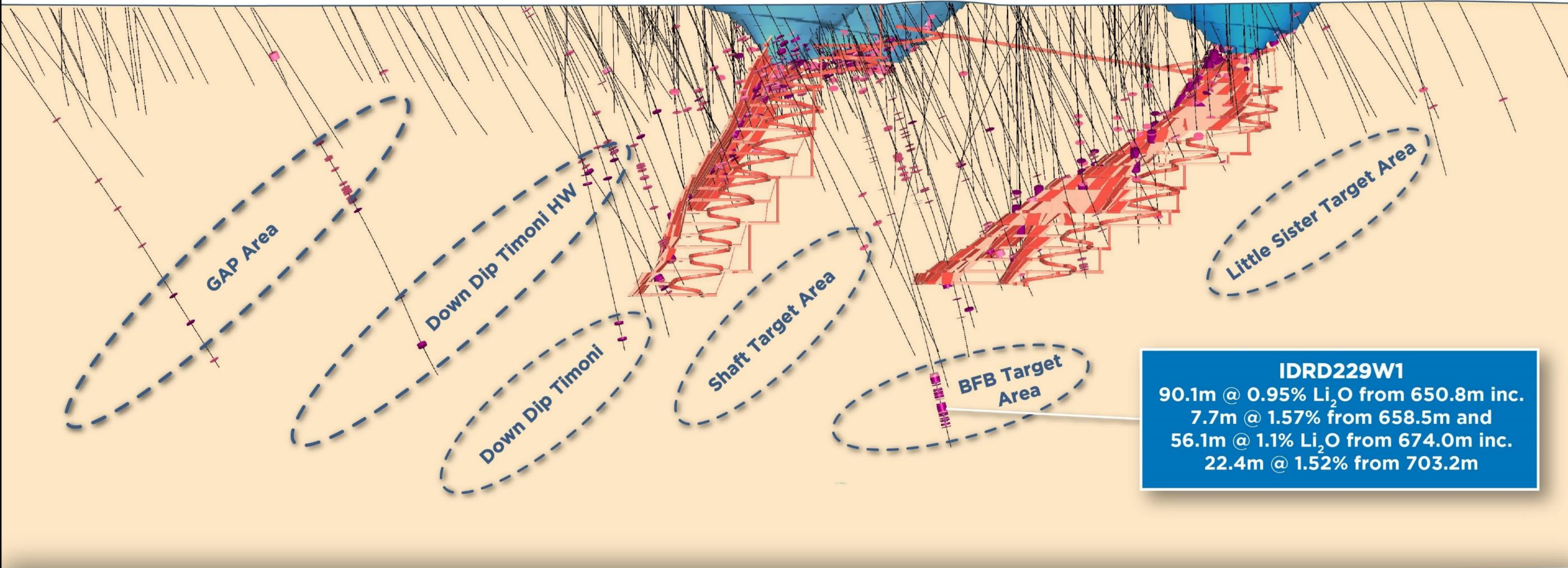


Mt Ida Lithium Project

“Exceptional results outside existing resource”

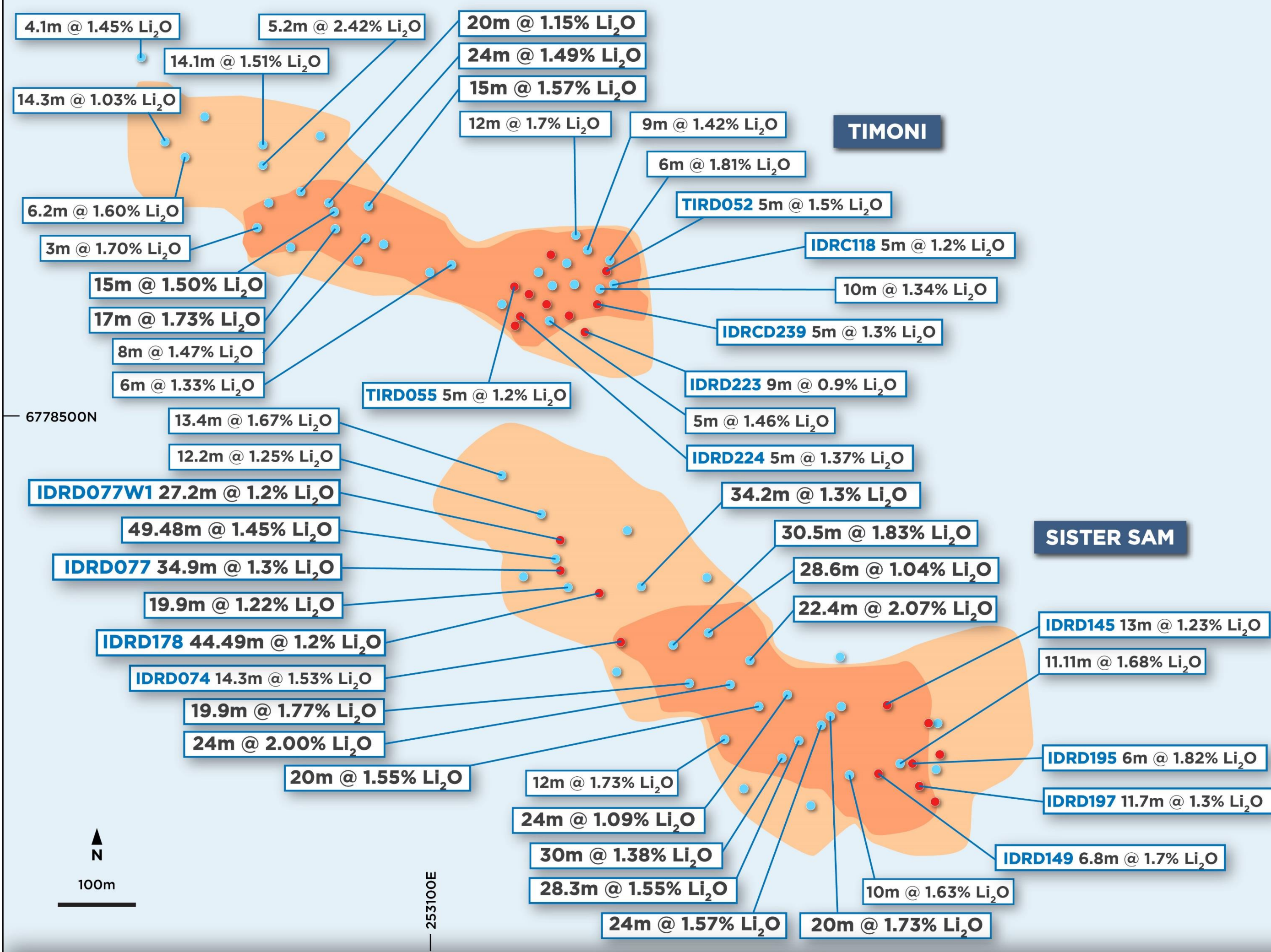
CONCEPTUAL TIMONI PIT

CONCEPTUAL SISTER SAM PIT



Mt Ida Lithium Project

“Significant intercepts at Sister Sam & Timoni deposits”



Plan of Sister Sam and Timoni Lithium deposits showing resource outline coloured by resource classification and selected drilling pierce points

- Indicated Resource
- Inferred Resource
- Latest Results
- Previously Reported

GERALDTON PORT

Western Breakwater



GERALDTON BERTH 4

Bulk Minerals Berth
Length: 229 metres
Beam: 33 metres
Max Displacement: 55,000t



Delta and Mid West Ports Authority (MWPA) are currently working to finalise a cooperation agreement that will accommodate the potential export of both DSO and concentrate products, which would likely be from berth 4 pictured to the left.

GERALDTON PORT



GERALDTON

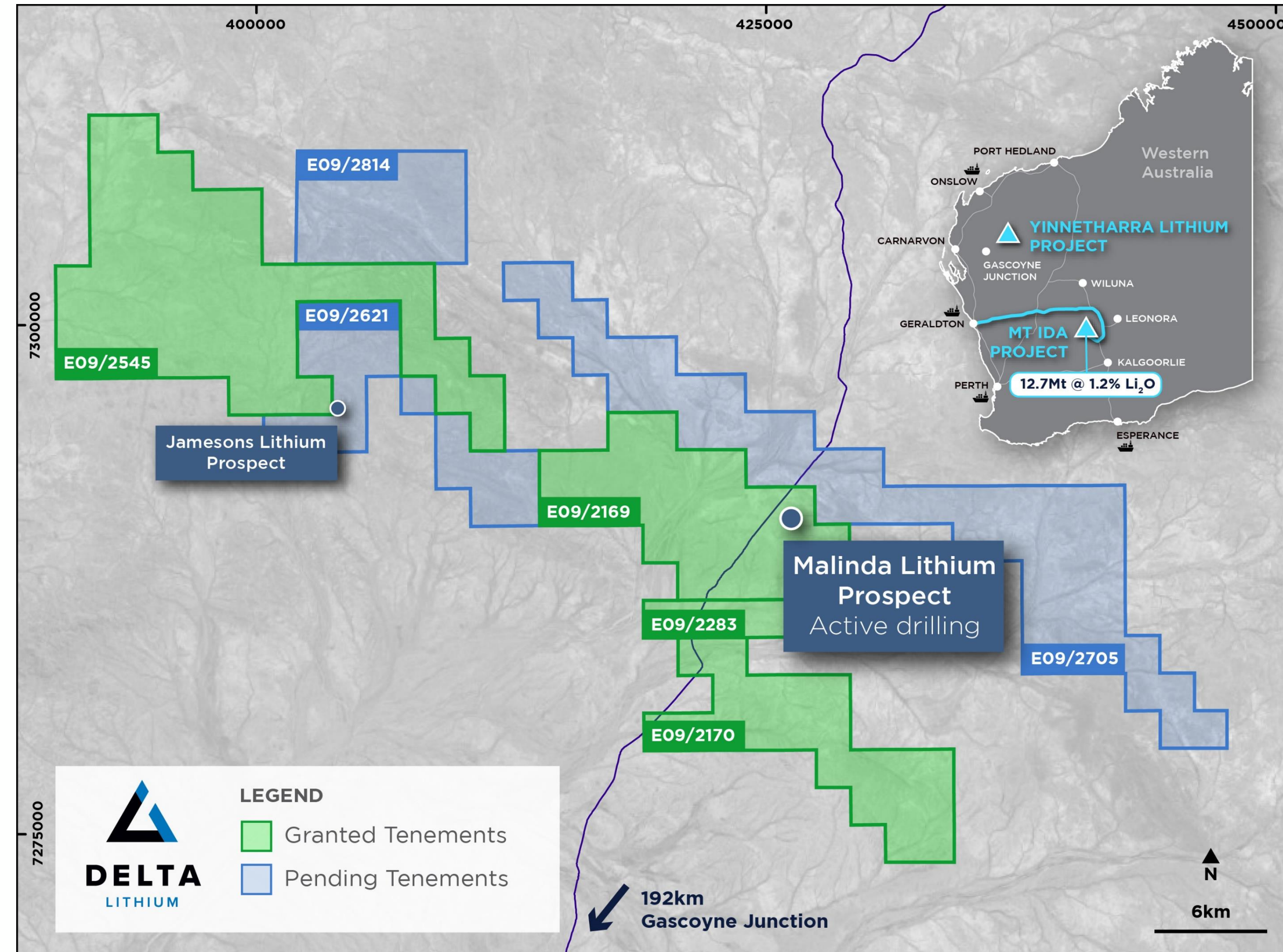
Mt Ida 



Yinnetharra Lithium Project

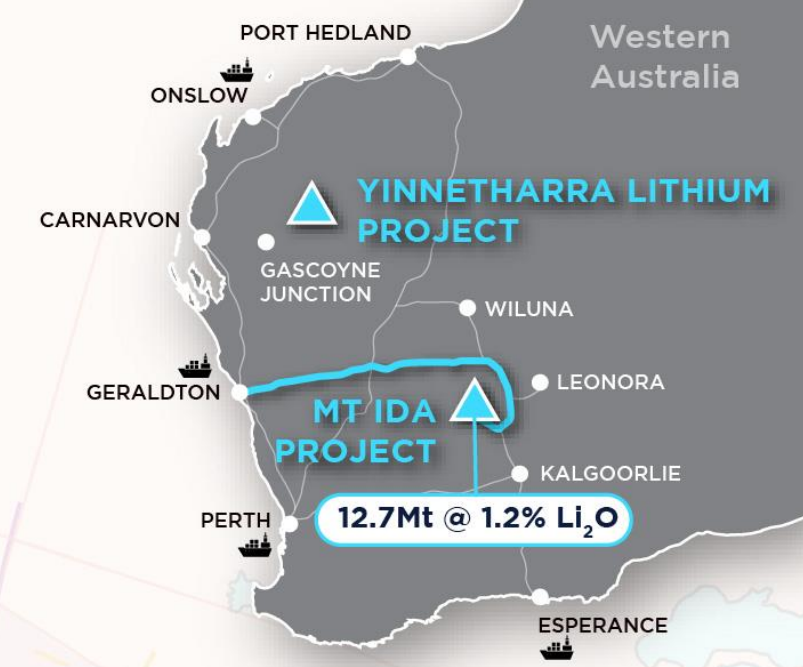
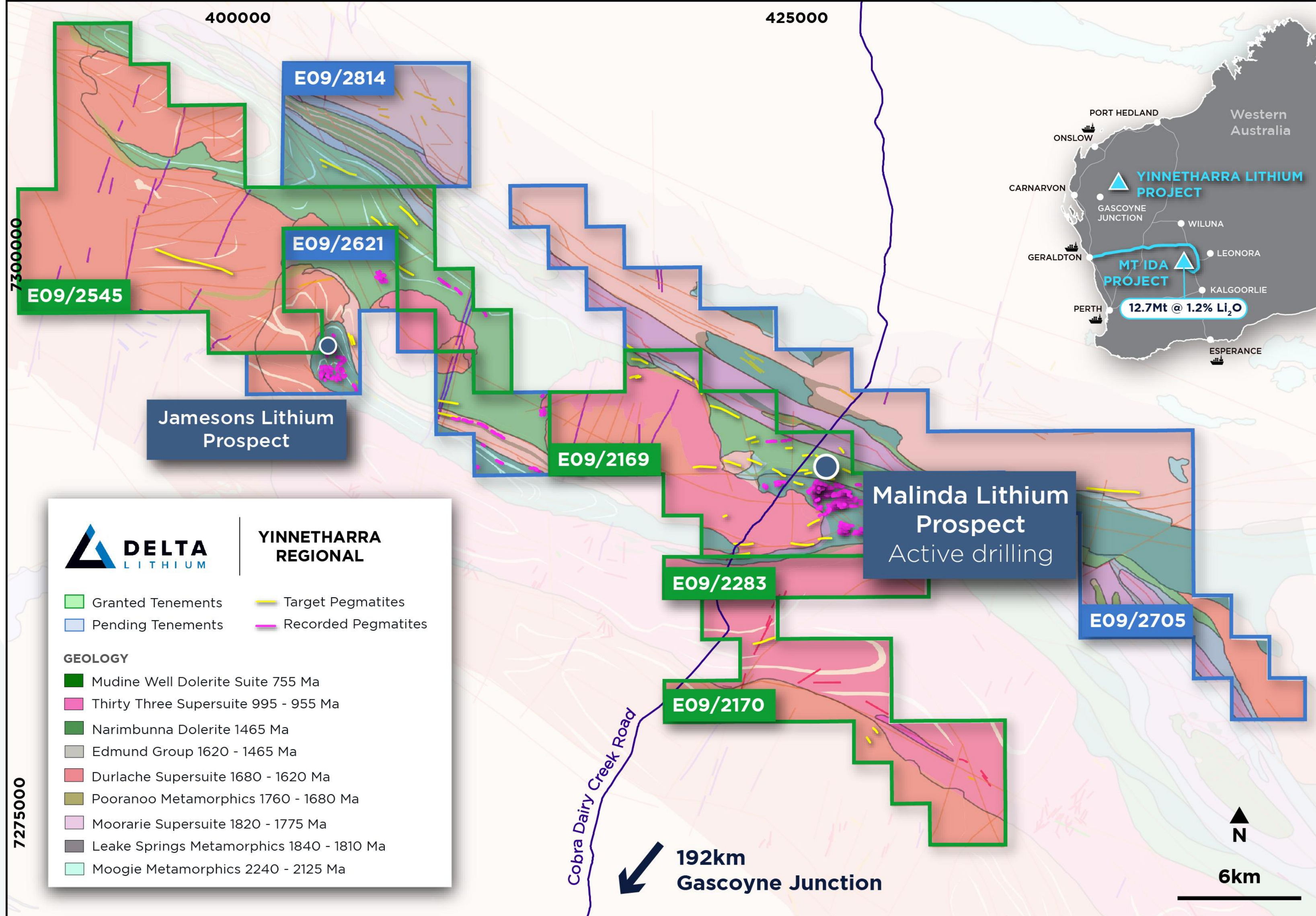
- Overview

- One of the most exciting Lithium exploration projects in Australia
- The Yinnetharra Lithium Project covers a very large area of 575km² within the Gascoyne region of Western Australia
- The Malinda Prospect located within the Yinnetharra Lithium Project is the current focus of exploration activities and hosts **>50 mapped pegmatites**
- Delta Lithium are rapidly advancing the project to realise its true potential in alignment with the Company's 'speed to market' narrative
- 90,000 metres and over 400 drill holes underway to target a globally significant project in 2023
- Since acquisition in September 2022, Delta Lithium has completed ~150 drill holes for more than 32,000m at Yinnetharra and are ramping up drilling to 20,000m per month



Yinnetharra Lithium Project

-growing
footprint



YINNETHARRA REGIONAL

■ Granted Tenements	— Target Pegmatites
■ Pending Tenements	— Recorded Pegmatites

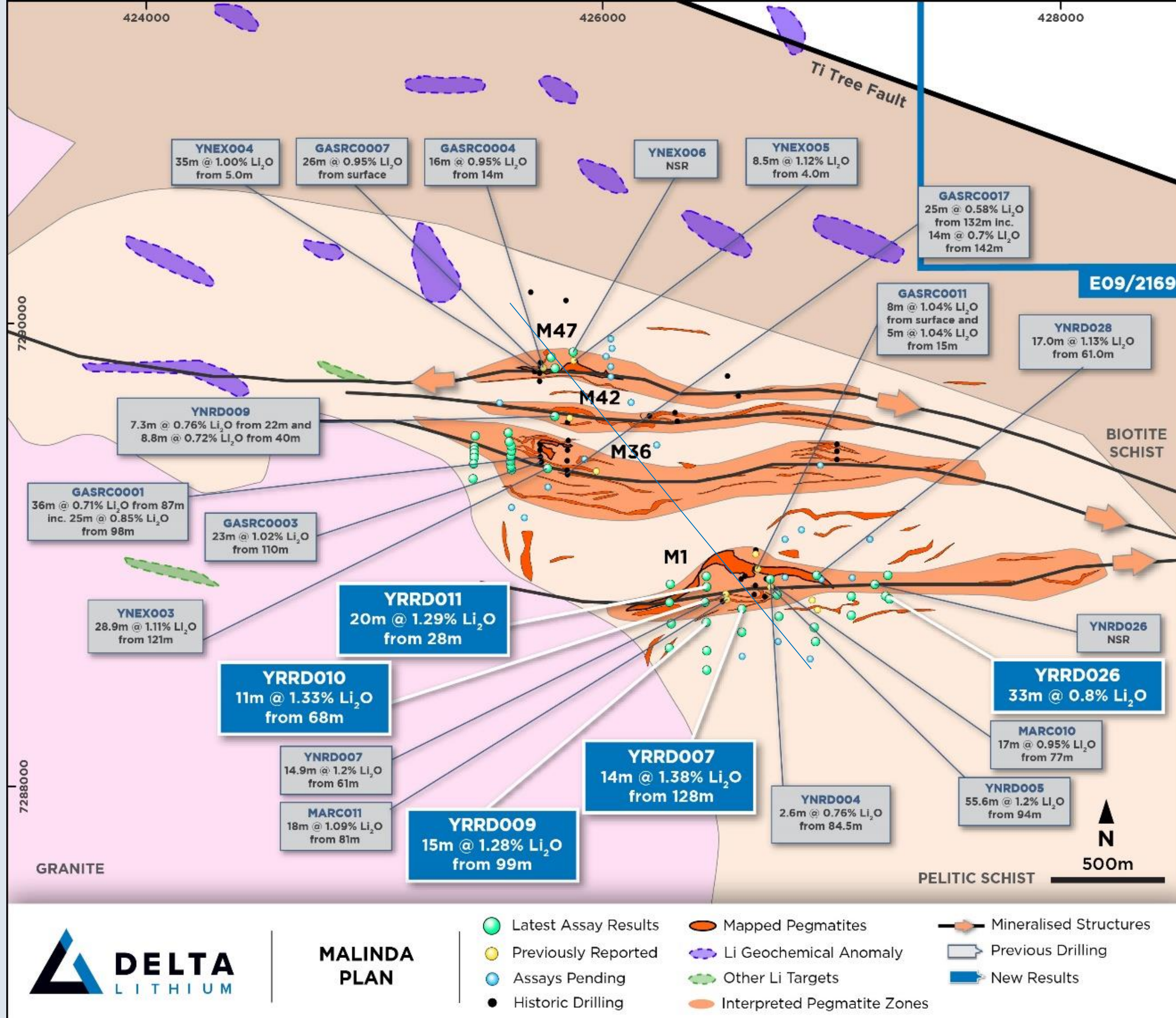
GEOLOGY

- Mudine Well Dolerite Suite 755 Ma
- Thirty Three Supersuite 995 - 955 Ma
- Narimbunna Dolerite 1465 Ma
- Edmund Group 1620 - 1465 Ma
- Durlache Supersuite 1680 - 1620 Ma
- Pooranoo Metamorphics 1760 - 1680 Ma
- Moorarie Supersuite 1820 - 1775 Ma
- Leake Springs Metamorphics 1840 - 1810 Ma
- Moogie Metamorphics 2240 - 2125 Ma

Yinnetharra Lithium Project - Malinda Prospect

- **M47 and M36** pegmatites have been specifically targeted due to previous results.
- Exciting early shallow and wide initial intercepts into **M47 and M36 pegmatite** at Yinnetharra¹:
 - **YNEX004**: 35.2m @ 1.00% Li₂O from 5m
 - **YNEX003**: 28.9m @ 1.11% Li₂O from 121m
 - **YNEX005**: 8.5m @ 1.12% Li₂O from 4m
- Excellent intercepts from drilling so far into the **M1** pegmatite at Yinnetharra¹;
 - **YNRD005**: 55.6m @ 1.12% Li₂O from 94m
 - **YNRD028**: 17m @ 1.12% Li₂O from 61m
 - **YRRD011**: 20m @ 1.29% Li₂O from 28m
 - **YNRD007**: 14.9m @ 1.12% Li₂O from 61.2m
 - **MARC011**: 17m @ 1.13% Li₂O from 82m
 - **YRRD009**: 15m @ 1.28% Li₂O from 99m
- Extensional drilling on-going at M1 pegmatite
- M1 is mineralised from surface with widths of greater than 50m has been intercepted over 650m of strike
- **M1 is open in all directions**

1. Refer to ASX announcement dated 27 February 2023, 3 April 2023 and 8 May 2023

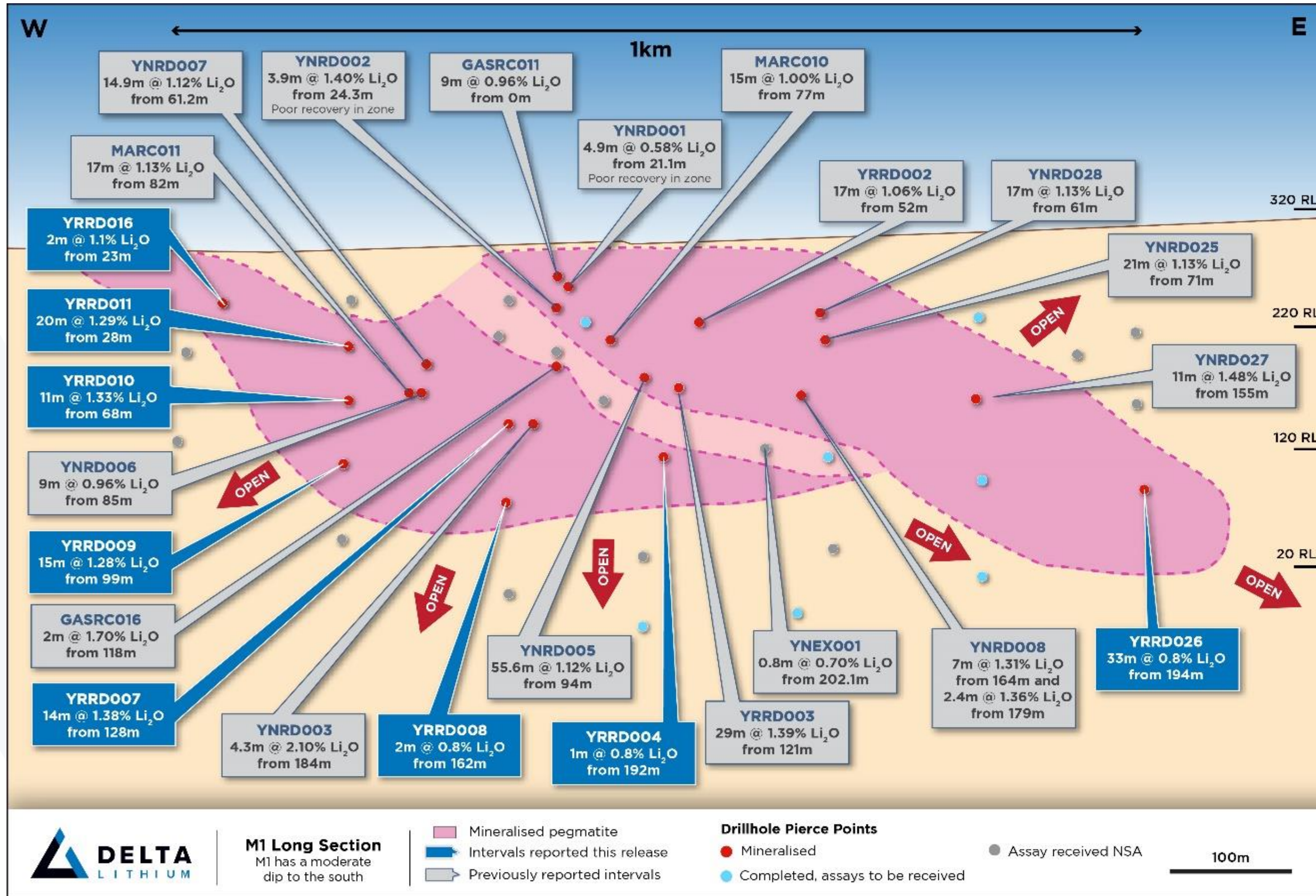


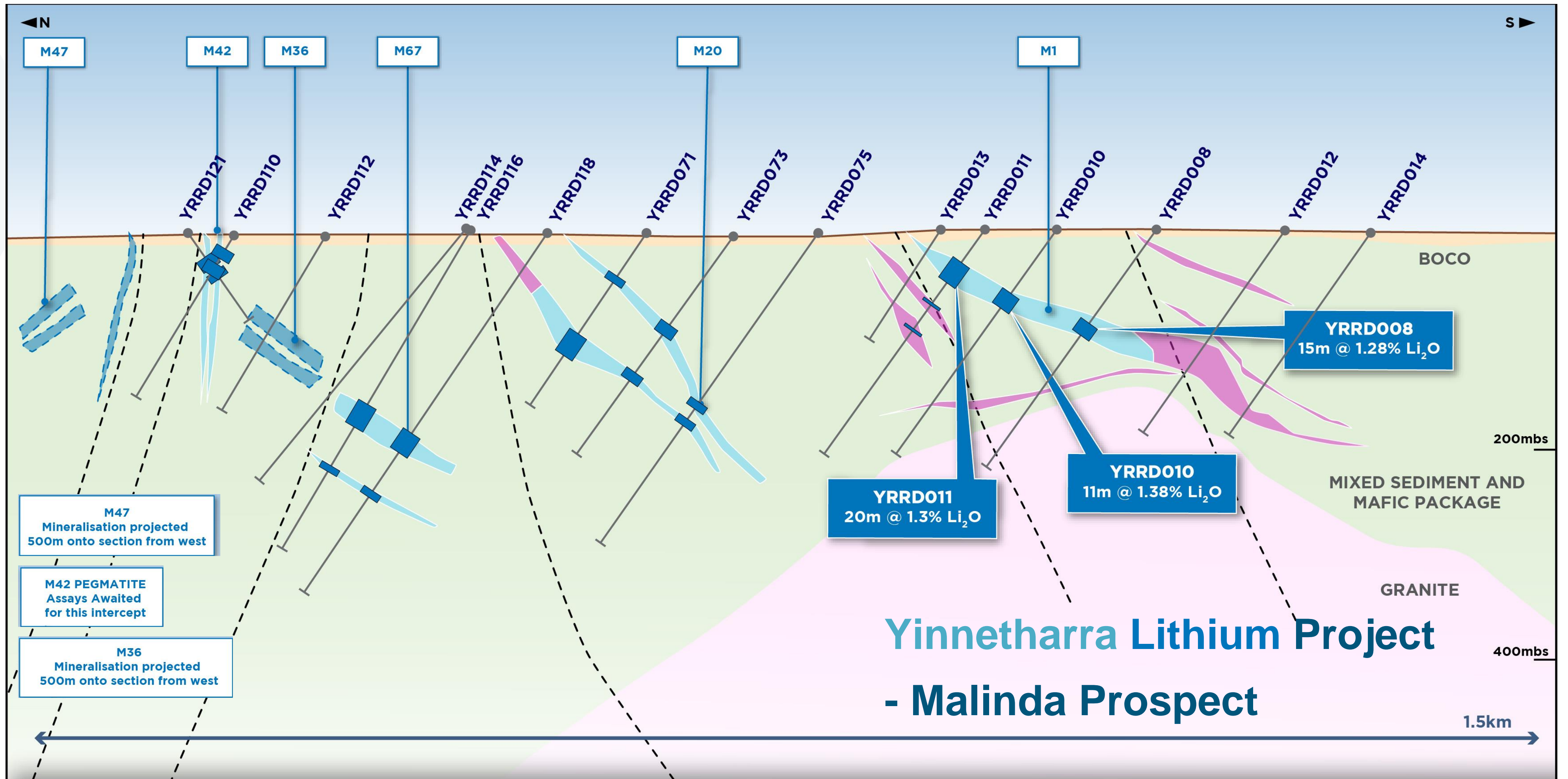
MALINDA
PLAN

- Latest Assay Results
- Previously Reported
- Assays Pending
- Historic Drilling
- Mapped Pegmatites
- Li Geochemical Anomaly
- Other Li Targets
- Interpreted Pegmatite Zones
- Mineralised Structures
- Previous Drilling
- New Results

Yinnetharra Lithium Project

- Malinda Prospect (M1 Long Section)





Yinnetharra Lithium Project - Malinda Prospect

M47
Mineralisation projected
500m onto section from west

M42 PEGMATITE
Assays Awaited
for this intercept

M36
Mineralisation projected
500m onto section from west

YRRD011
20m @ 1.3% Li₂O

YRRD010
11m @ 1.38% Li₂O

YRRD008
15m @ 1.28% Li₂O



YINNETHARRA SECTION
426400 E, section view 80m,
looking east

- Mineralised Pegmatite
- Unmineralised Pegmatite
- Drilling with Li₂O intercept
- Results
- Interpreted Fault

2-20% lithium minerals
(spodumene dominant)

200m

Yinnetharra Lithium Project

- Malinda Prospect

- Preliminary Metallurgical testwork underway for Yinnetharra
- Coarse spodumene drilled at **YNRD005** from the **M1** pegmatite 124.74 – 133.85m 19.1m @ 1.80% Li₂O.

Refer to ASX announcement dated 20 January 2023 for further information.

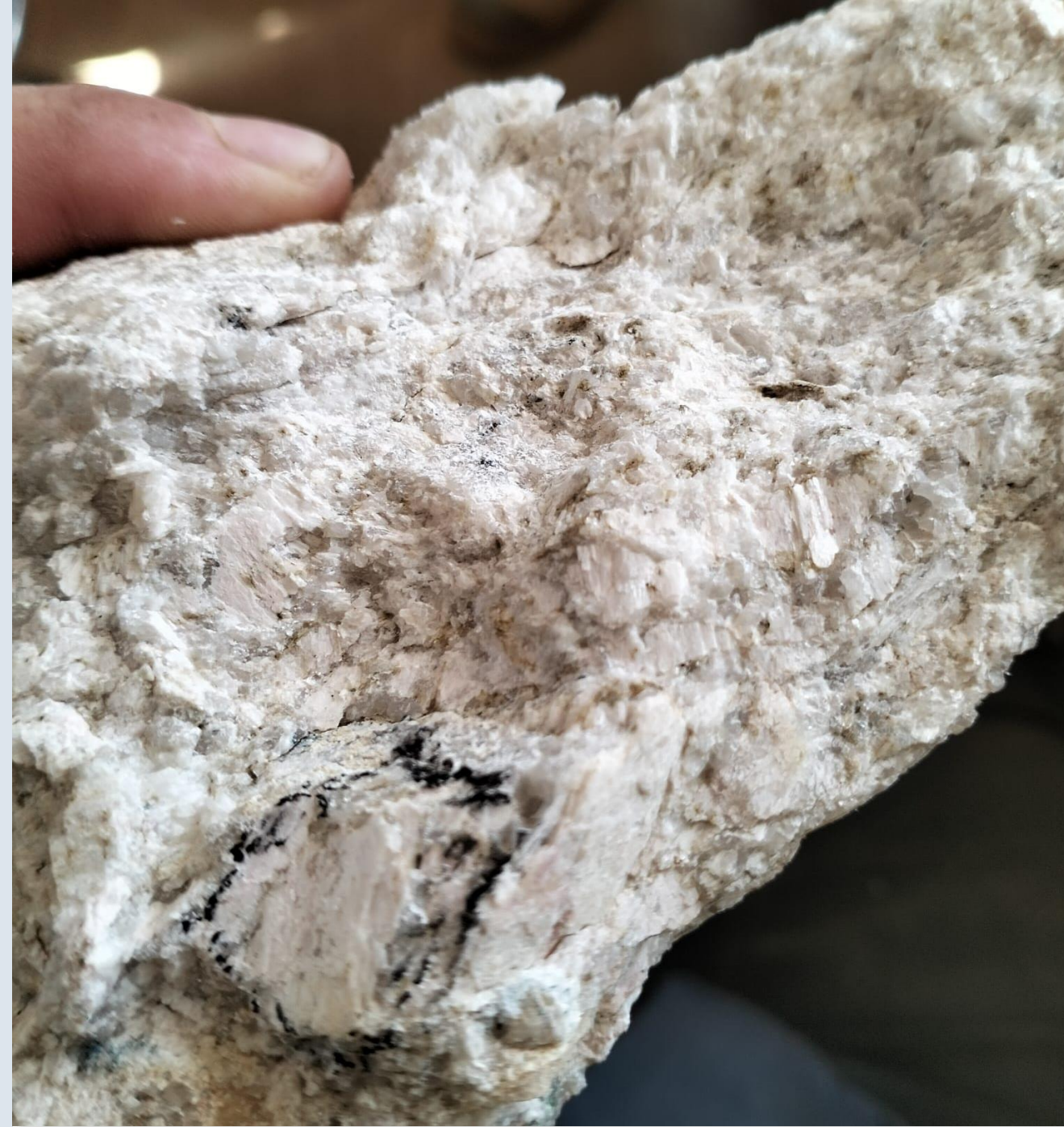


Yinnetharra Lithium Project

- Jamesons Prospect

- 20km to the west of the Malinda Prospect.
- Discovered as part of first pass regional mapping
- more than 20 pegmatites mapped at the Jamesons Prospect with only very limited sampling completed to date.
- Assays received of the rockchip sample confirmed a result of 4.2% Li_2O and the lithium mineral is spodumene.¹
- Emphasises the potential of the project!

1. Refer to ASX announcement 14 April 2023.



Our Business Partners



Rockwater

GREEN VALUES
— AUSTRALIA —



right solutions.
right partner.



propel.

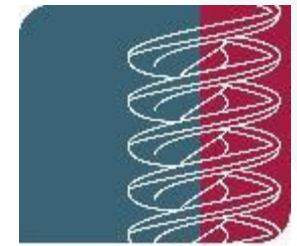
Advisian
Worley Group

weatherzone[®]
business
a DTN company



PRIMERO

SALIENT CORPORATE



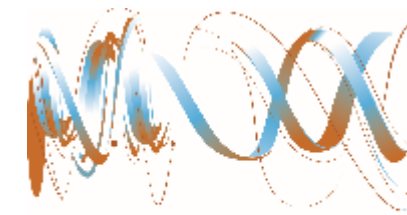
NAGROM



TERRESTRIAL
ECOSYSTEMS



HC
HONEYGUIDE CONSULTING



DUST UP PROJECTS



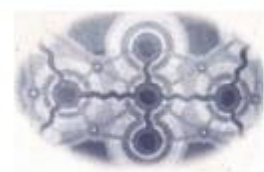
automated
mineralogy
incubator



MAV-EX



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Great People | Practical Solutions



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Making Life Easier
dynamics
G-Ex



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PRECISION EXPLORATION DRILLING



WA FUEL

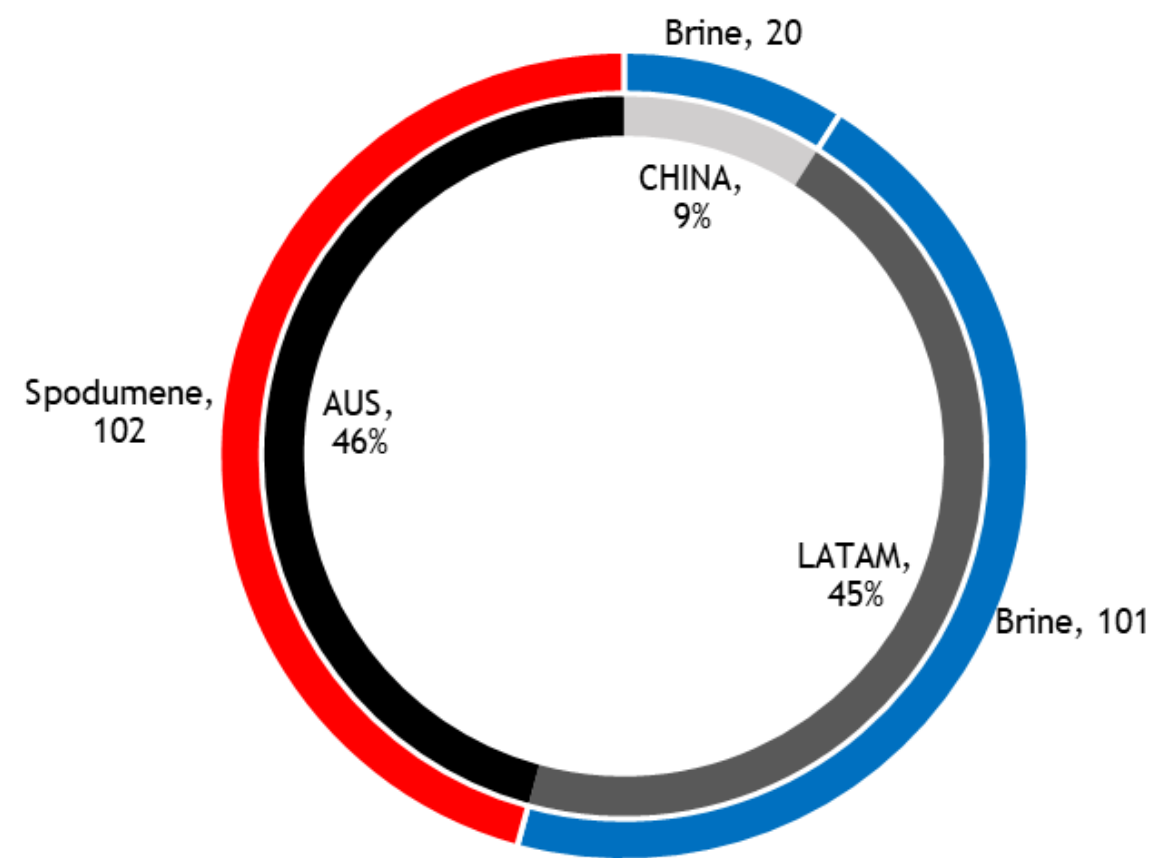


Integrität

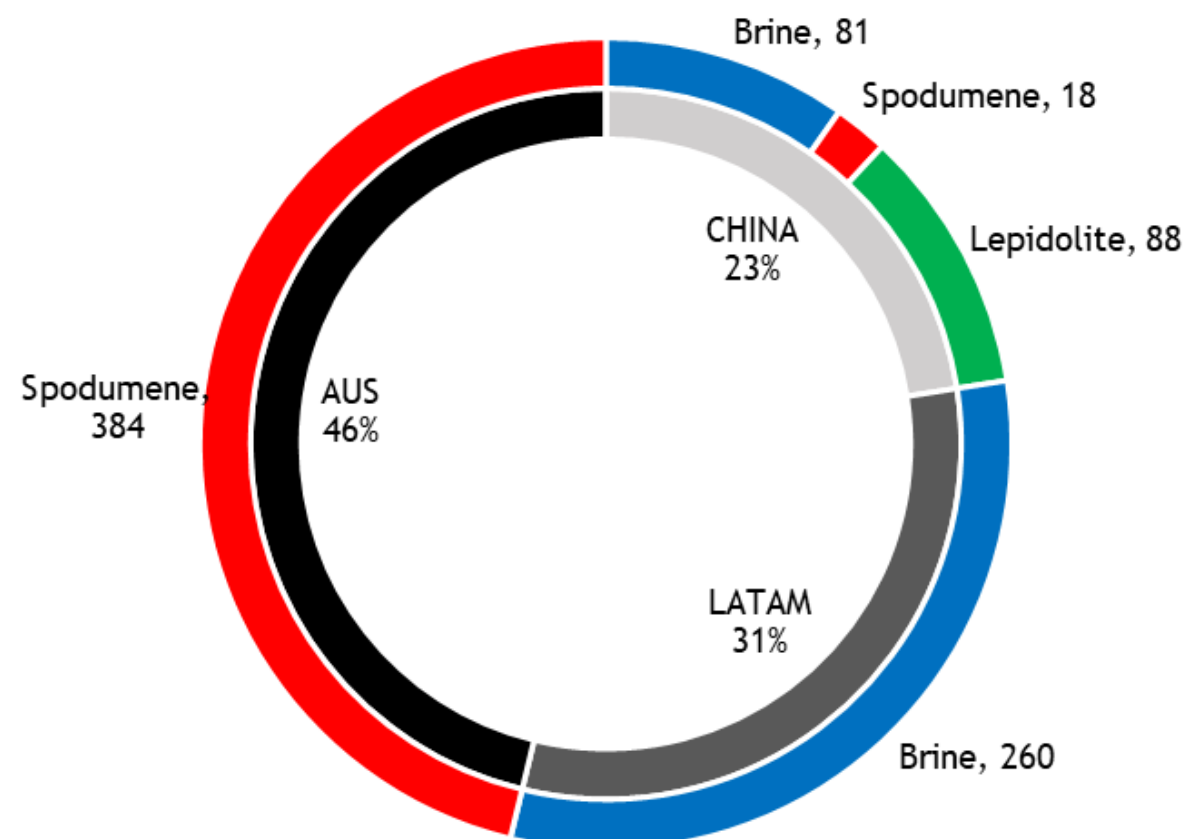


Geographic and raw material market shares - 2016, 2022, 2030

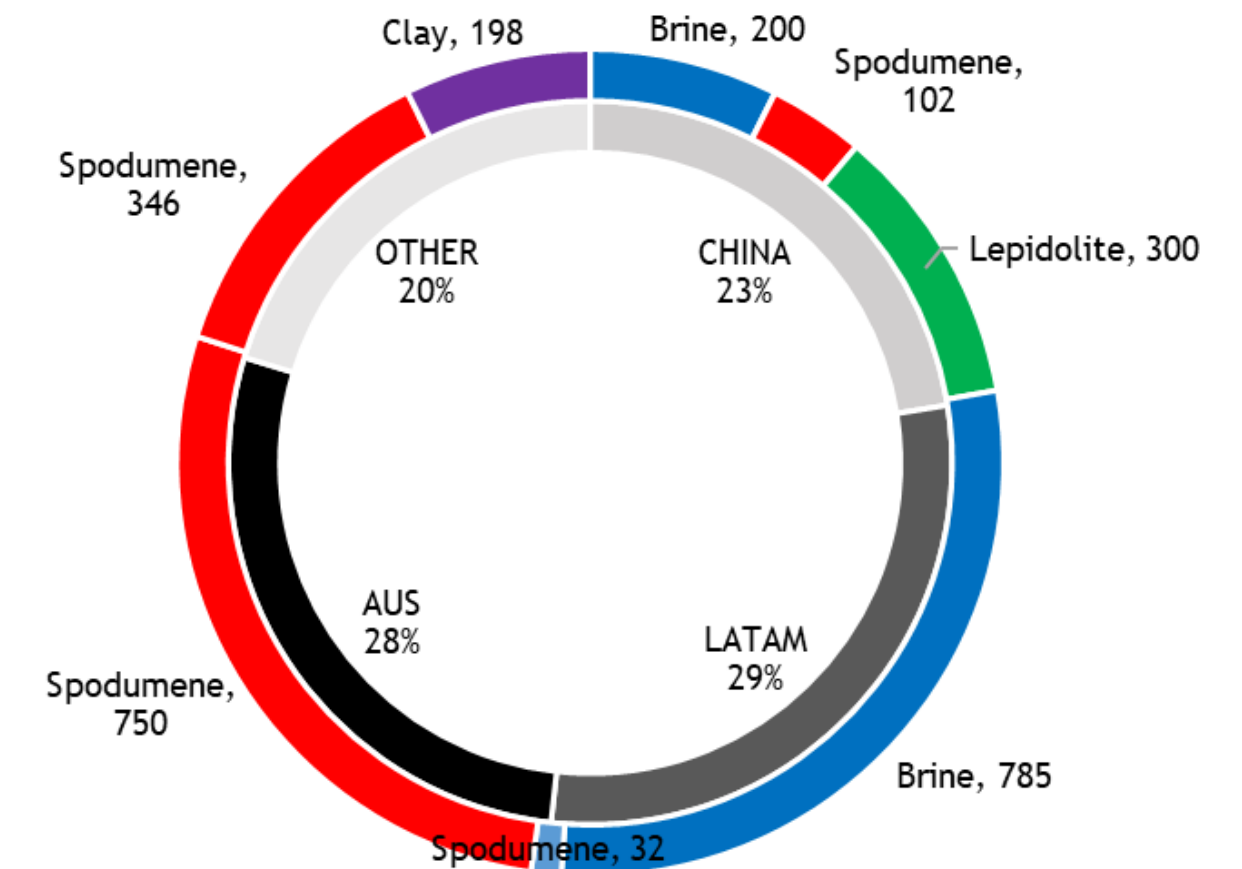
Geographic and Raw material ('000 LCE)
Market share (%) 2016



Geographic and Raw material ('000 LCE)
Market share (%) 2022



Geographic and Raw material ('000 LCE)
Market share (%) 2030



Source: UBS and internal analysis



Appendices – Mineral Resources

Resource Category	Cut-off grade (Li ₂ O%)	Li ₂ O			Ta ₂ O ₅
		Tonnes (Mt)	Grade (Li ₂ O%)	Li ₂ O (Kt)	Grade (Ta ₂ O ₅ ppm)
Indicated	0.55	3.3	1.4	45	246
Inferred		9.3	1.1	102	193
Total		12.7	1.2	148	207

Refer ASX release titled "Mt Ida Maiden Lithium Resource 12.7Mt at 1.2% Li₂O, 19 October 2022.



Board of Directors

David Flanagan

Executive Chairman

James Croser

Non-Executive Director

Tim Manners

Non-Executive Director

Nader El Sayed

Non-Executive Director

Key Management Personnel

Jeremy Sinclair

Chief Operating Officer

Daniel Taylor

Chief Marketing Officer

Charles Hughes

Chief Geologist

Daniel Kendall

Chief Financial Officer and Company Secretary

