



Fast-tracking development of our West Australian lithium assets

2023 Noosa Mining Investor Conference

Charles Hughes
Chief Geologist

July 2023
ASX: [DLI](#)

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Corporate Overview

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



Corporate Snapshot

Market Cap

\$491.5m (at \$0.942)

Cash

~\$52m as at 31 Mar
(+\$46.4m raise)

Shares on Issue

521.8m

Options

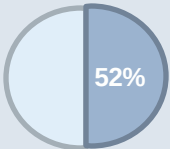
37.7m

Performance Rights

30.7m

Major Shareholders

Top 20



(inc 15% held by Idemitsu and 10.2% held by Warratah Capital Advisors)

ABN: 67 107 244 039

ASX: DLI

deltalithium.com.au

The five key pillars to the growth and success of Delta Lithium



1

Mt Ida Lithium Project

- Maiden resource delivered in September 2022

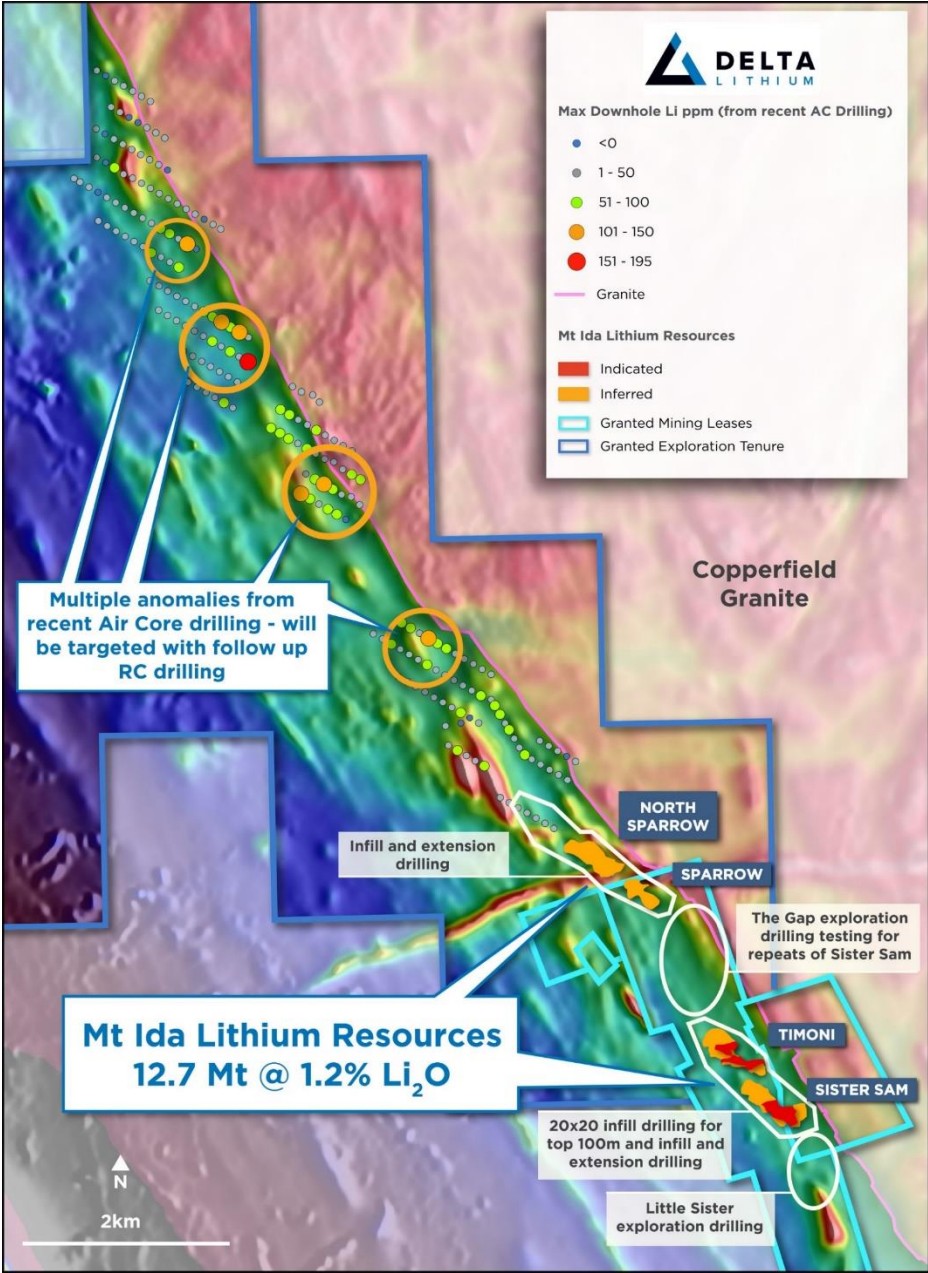
- Begin mining by Christmas 2023



Mt Ida Lithium Project

- Growth

- **First year** of lithium exploration **delivered a 12.7Mt resource**, 6 new priority targets
- Prioritising conversion of resources from Inferred to Indicated & measured
- **Fantastic results from infill and extensional drilling this year** at the Mt Ida project;
- **IDRD162: 41.2m @ 1.8% Li₂O from 276.8m**
- **90.1 metres at 0.95% Li₂O from 674m;**
- Multiple regional Air-Core ("AC") lithium anomalies present priority follow up targets as well as the Gap & Little Sister
- Drilling program well underway – 8 rigs, 200+ holes for a combined 60,000 metres



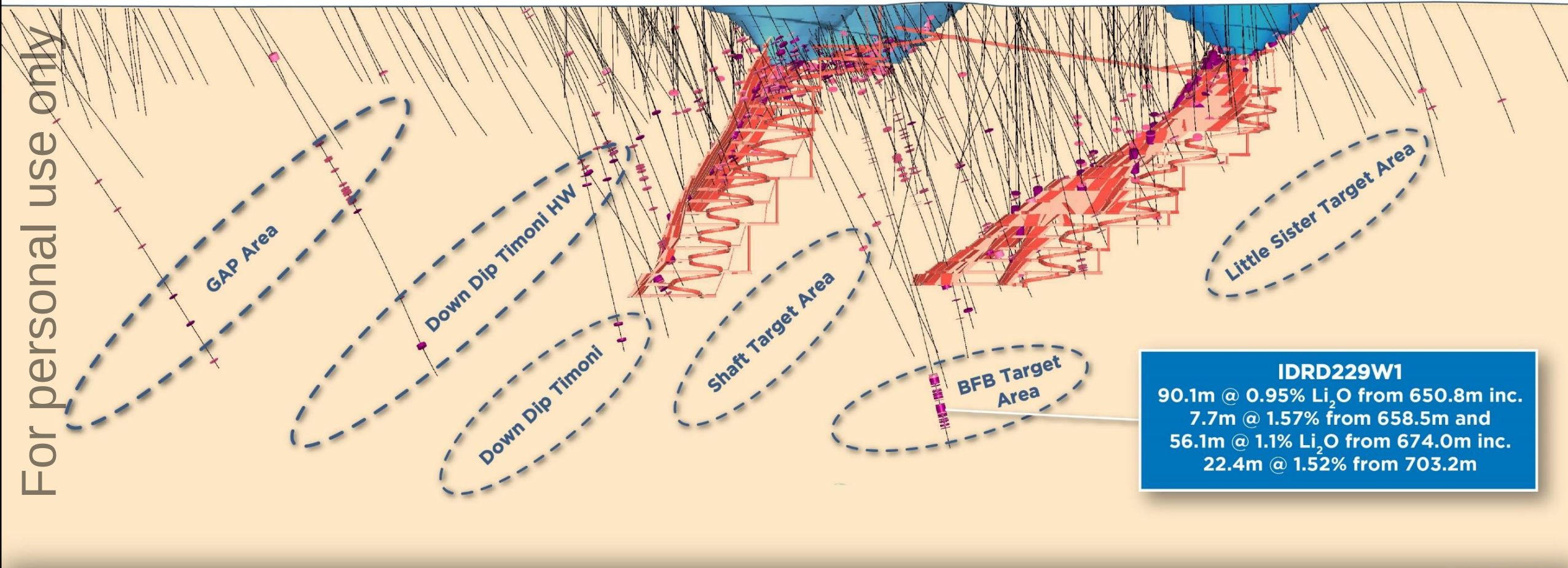
1. Refer to ASX announcement dated 25 January 2023
2. Refer to ASX announcement dated 24 April 2023.

Mt Ida Lithium Project

"Exceptional results outside existing resource"

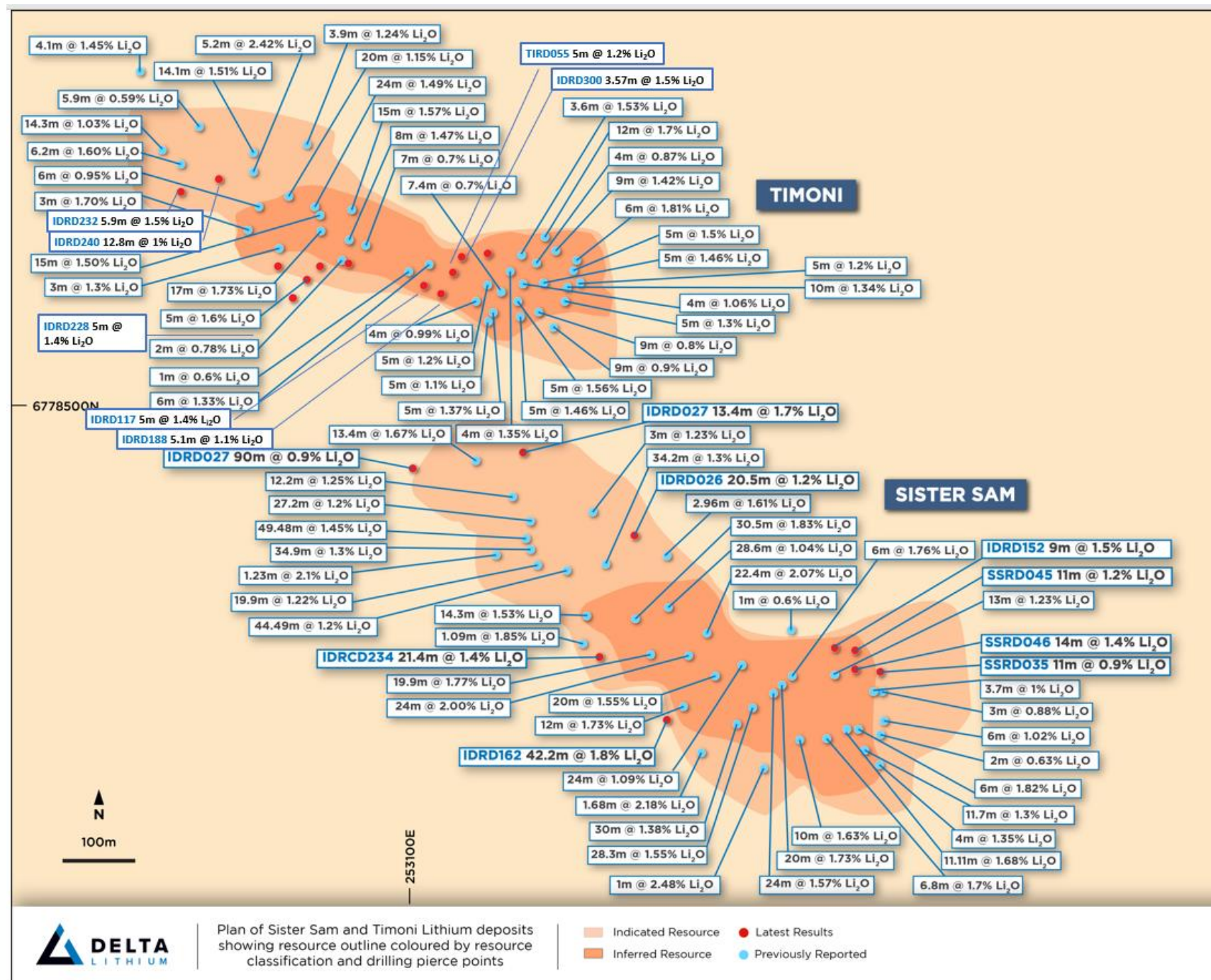
CONCEPTUAL TIMONI PIT

CONCEPTUAL SISTER SAM PIT



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“Significant intercepts at Sister Sam & Timoni deposits”



GERALDTON PORT

Western Breakwater

Berth 7

Berth 6

Berth 5

Berth 3

Berth 4

GERALDTON BERTH 4

Bulk Minerals Berth

Length: 229 metres

Beam: 33 metres

Max Displacement: 55,000t



Delta and Mid West Ports Authority (MWPA) have an MOU 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





2

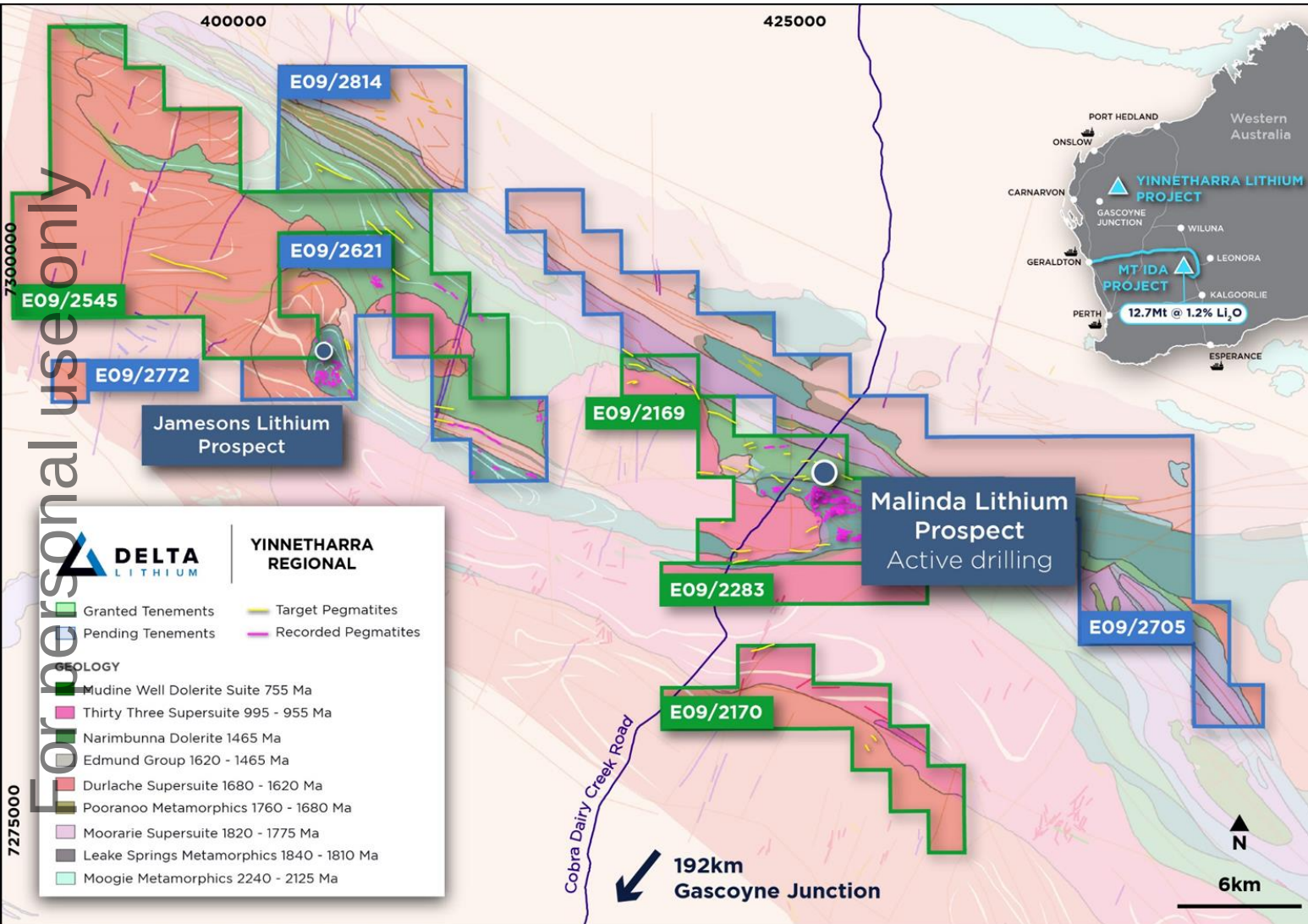
Yinnetharra Lithium Project

- **Discovery of a new Lithium district**
- **Tier one Lithium project potential**



Yinnetharra Lithium Project - Overview

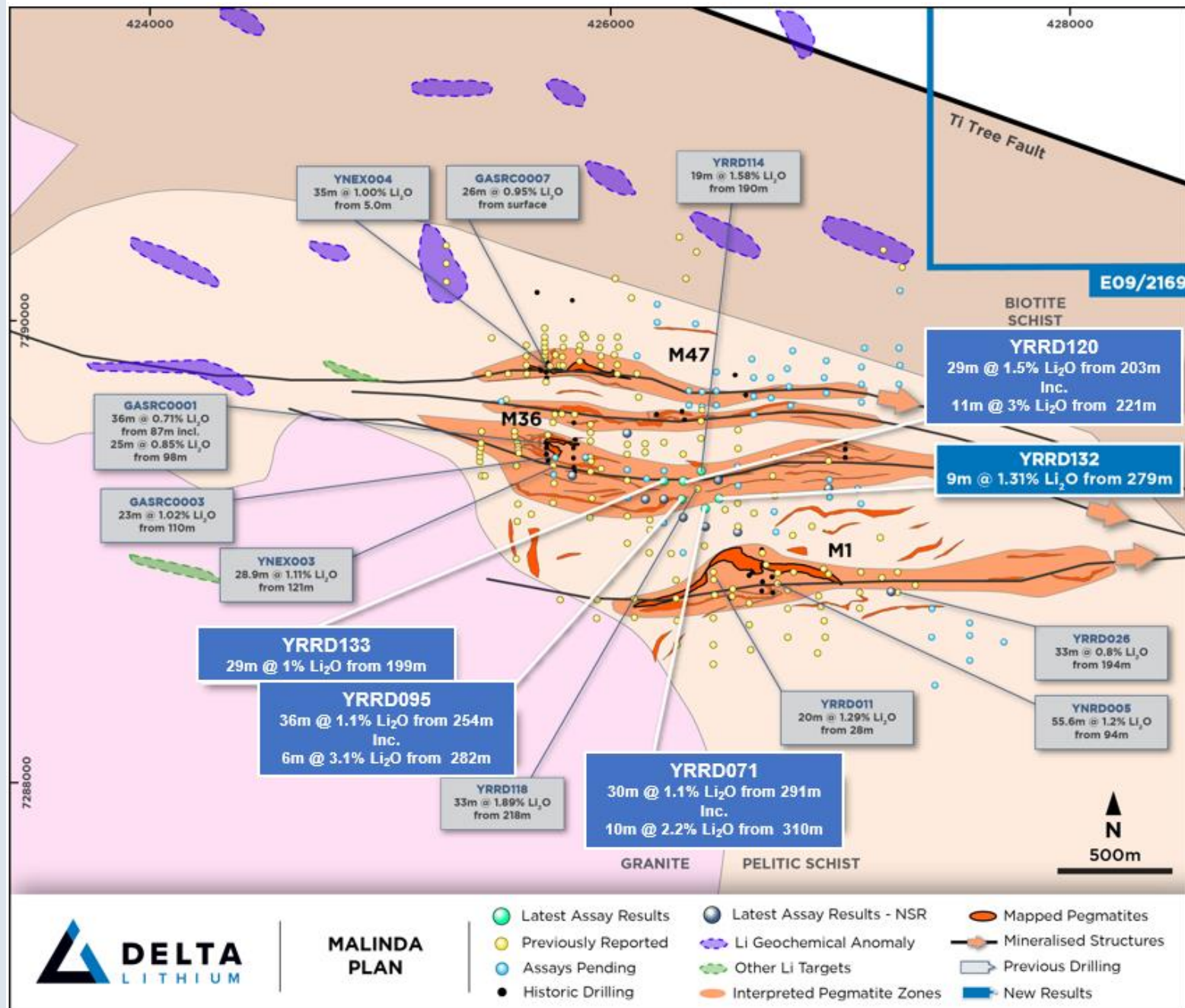
- One of the most exciting Lithium exploration projects in Australia
- The Yinnetharra Lithium Project covers a very large area of 575km² within the Gascoyne region of Western Australia
- The Malinda Prospect located within the Yinnetharra Lithium Project is the current focus of exploration activities 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 ~275 drill holes for more than 65,000m at Yinnetharra and are drilling 20,000m per month



Yinnetharra Lithium Project

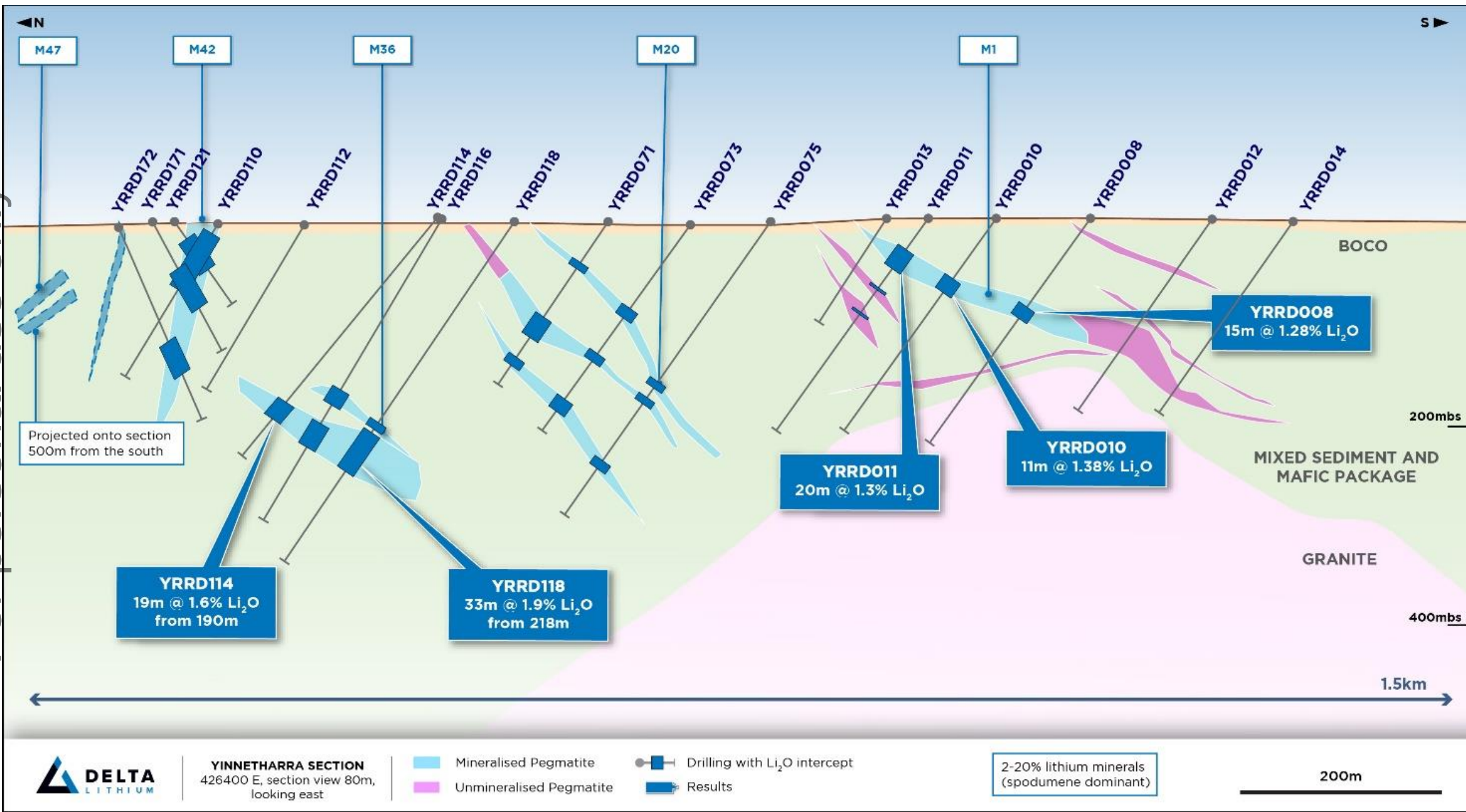
- Malinda Prospect

- Six well defined pegmatites at Malinda
- Mineralisation is present from surface to a depth of at least 350 m
- Two of these pegmatites have consistent mineralisation over 1.5km and open
- Exciting early shallow and wide initial intercepts into **M47** pegmatite¹:
 - **YNRD082**: 43m @ 1.22% Li₂O from 66m
 - **YNEX004**: 35.2m @ 1.00% Li₂O from 5m
 - **YNEX003**: 28.9m @ 1.11% Li₂O from 121m
- High grade thick intercepts from M36 pegmatite
 - **YRRD118**: 33m @ 1.9% Li₂O from 218m
 - **YRRD114**: 19m @ 1.6% Li₂O from 190m
 - **YRRD120**: 29m @ 1.5% Li₂O from 205m
- Excellent intercepts from drilling so far into **M1** pegmatite¹:
 - **YNRD005**: 55.6m @ 1.12% Li₂O from 94m
 - **YNRD028**: 17m @ 1.12% Li₂O from 61m
 - **YRRD011**: 20m @ 1.29% Li₂O from 28m
- Drilling is ongoing with 4 rigs in action



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

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Yinnetharra Lithium Project

- Malinda Prospect

Preliminary Metallurgical testwork underway for Yinnetharra

XRD on these met samples indicates spodumene is the only lithium species present

Coarse spodumene drilled at **YNRD005** from the **M1** pegmatite 124.74 – 133.85m 19.1m @ 1.80% Li_2O .

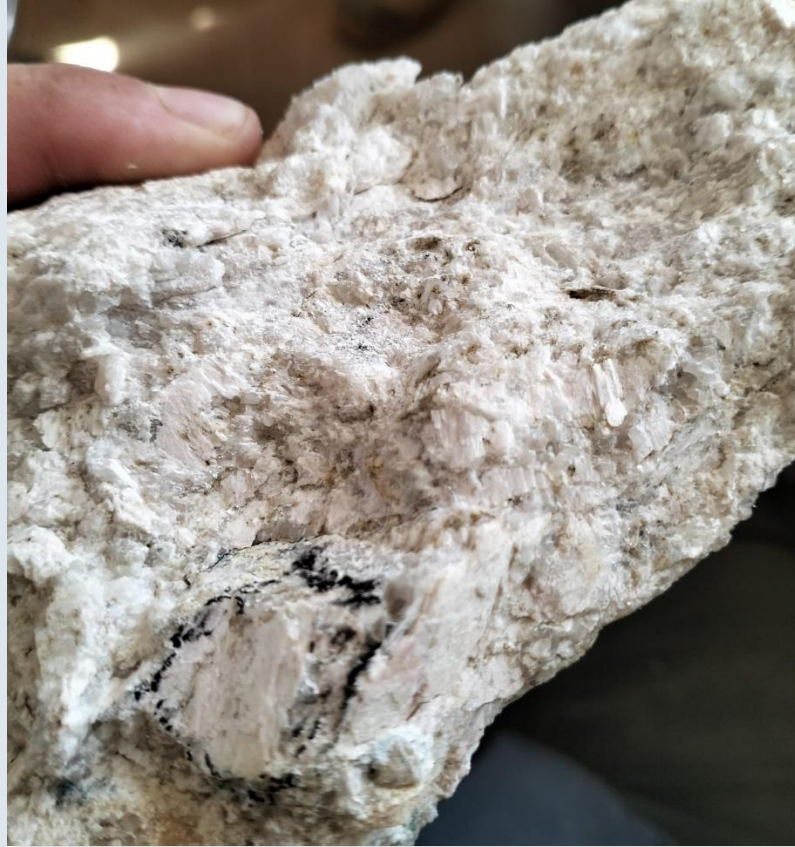
Refer to ASX announcement dated 20 January 2023 for further information.



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
- Soil sampling and mapping are underway at the prospect
- Emphasises the potential of the project!

¹ Refer to ASX announcement 14 April 2023.



An aerial photograph of a winding road through a dense forest, with a small car visible in the distance. The image is overlaid with a blue tint and white text.

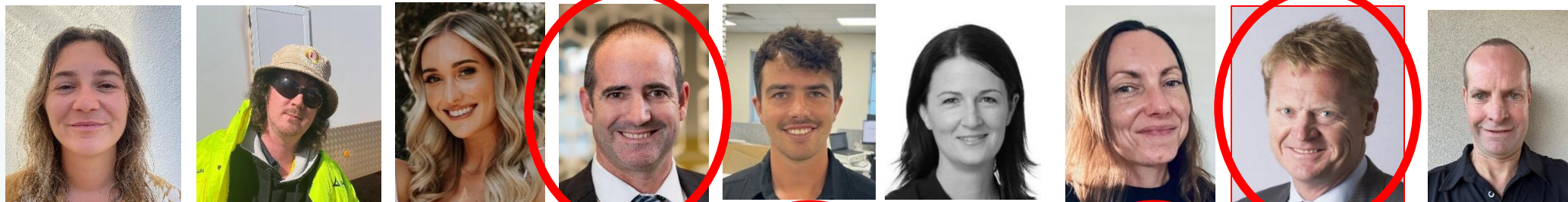
3

A team that delivers mines

Converting these projects into mines will drive huge growth in the company



Our People



4

Catalysts for growth

Speed to market

Major news flows

- Excellent market fundamentals

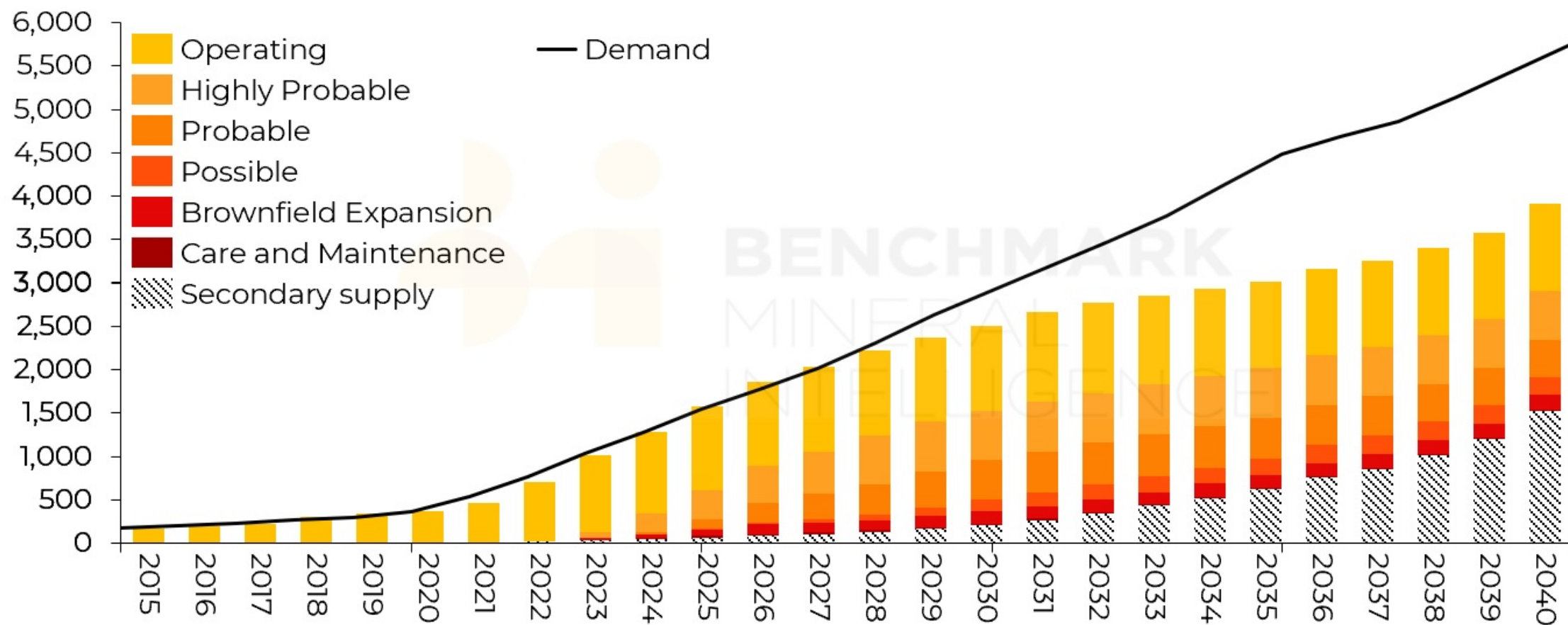


- Major drilling program at both projects
- Resource update Mt Ida Q3 2023
- Mining Proposal grant – Q4 2023
- Scoping Study Mt Ida Con. Q4 23
- Begin mining early works at Mt Ida Q4 2023

- Maiden Resource at Yinnetharra – surprise
- Start Drilling Jameson's Q1 2024
- Feasibility Study Mt Ida Con Q2 2024
- Lithium market that is projected to be in deficit from 2027

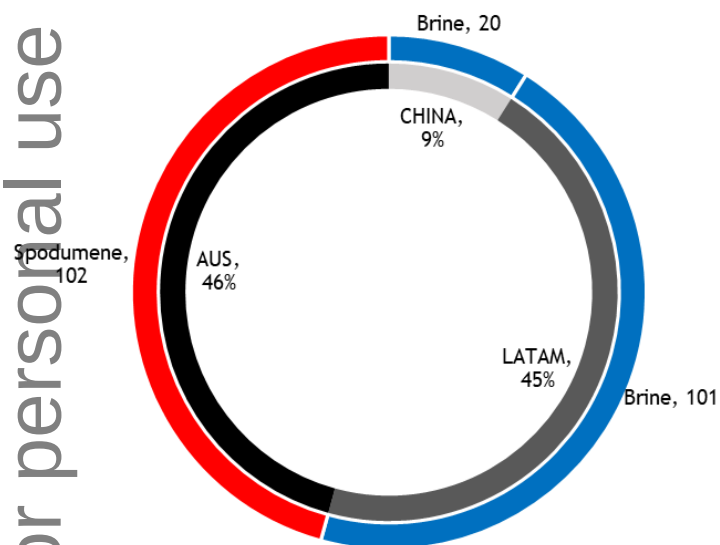


Global Lithium Demand vs Feedstock Supply Forecast

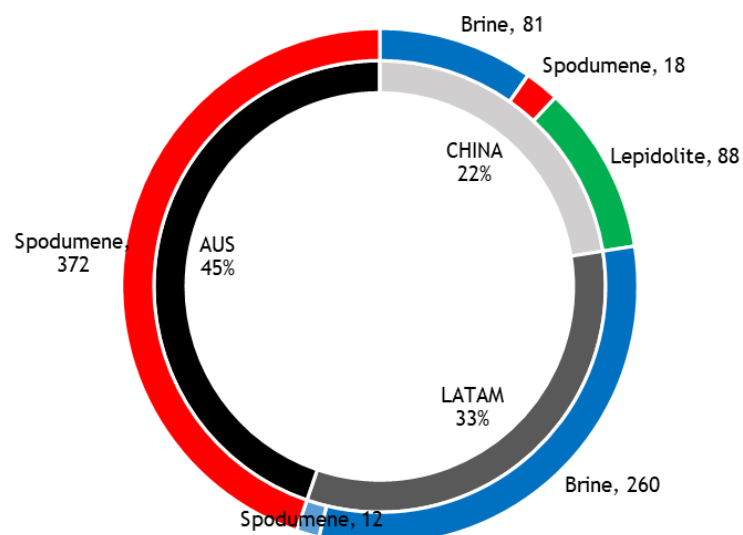


Geographic and raw material market shares - 2016, 2022, 2030

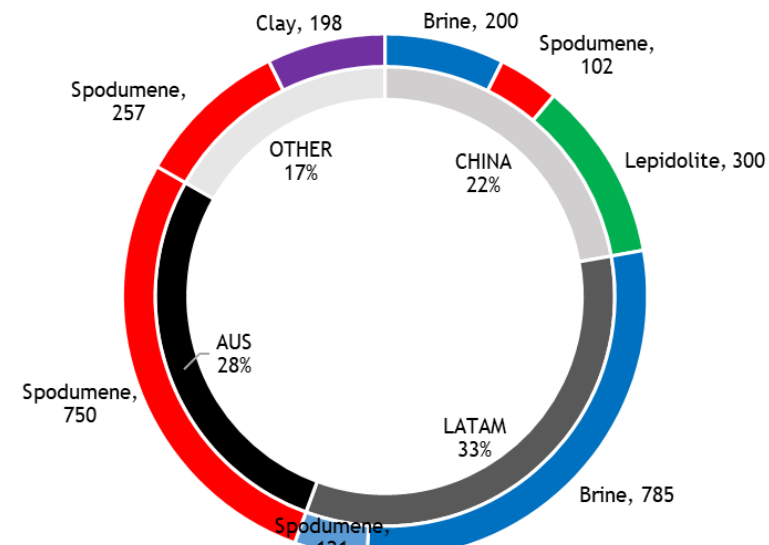
Geographic and Raw material ('000 LCE)
Market share (%) 2016



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



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



Source: UBS and internal analysis



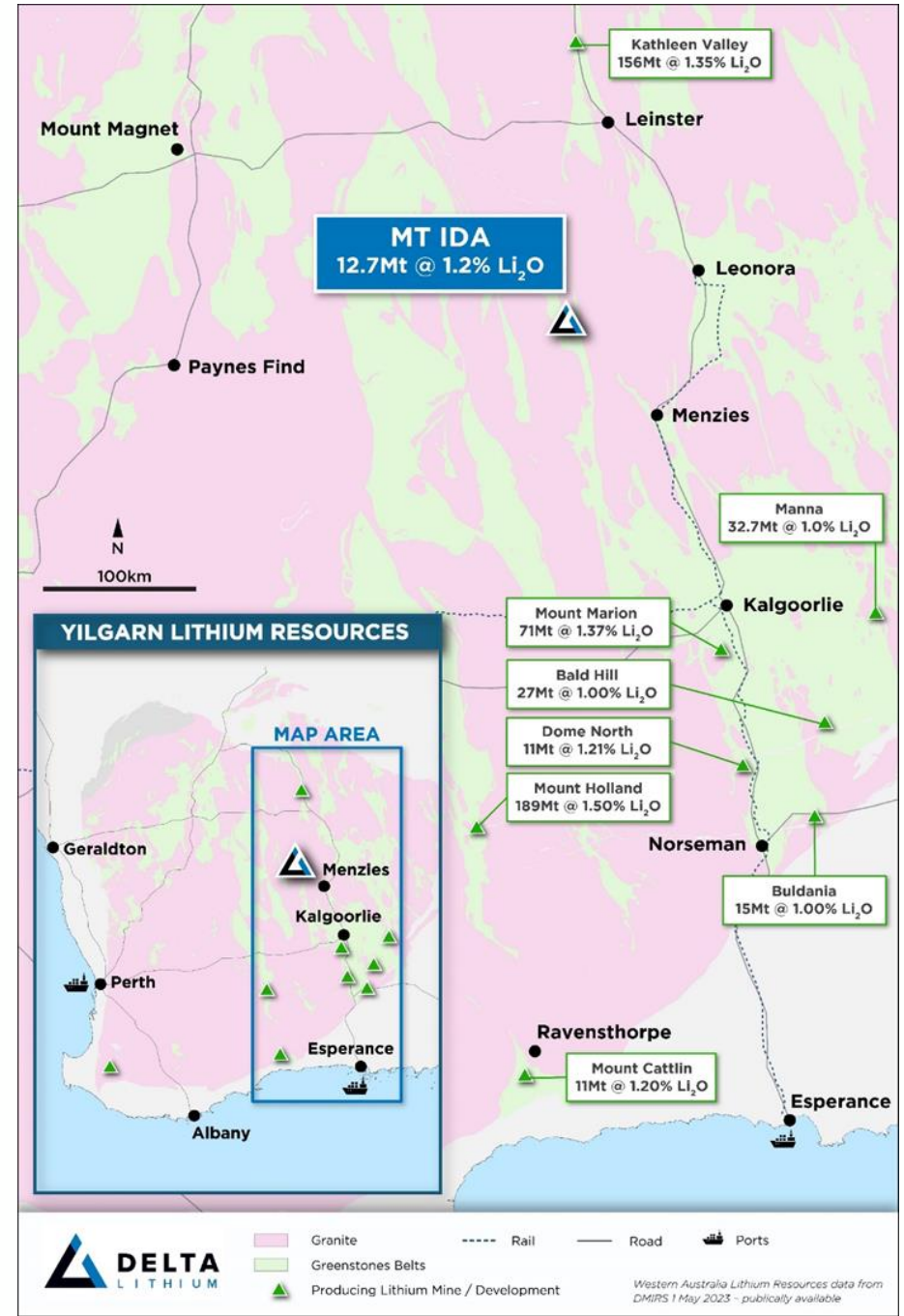
5

Independent verification



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- Major cornerstone placement by Idemitsu – a global top 200 company
- Mt Ida is in the Lithium Corridor of Power
- Multiple Major global players in this region with consolidation underway
- Waratah Capital another major shareholder
- Mineral Resources and Hancock both on the register
- Excellent support by retail investors at the last capital raising



Summary

Five key pillars to the growth and success of Delta Lithium

1. Mt Ida – near term production – DSO optionality

2. Yinnetharra – Large scale project – Tier 1 project opportunity

3. A team that delivers mines – over and over again

4. Catalysts for growth – speed to market, big news flows, strong market

5. Independent verification – Major investments from serious players

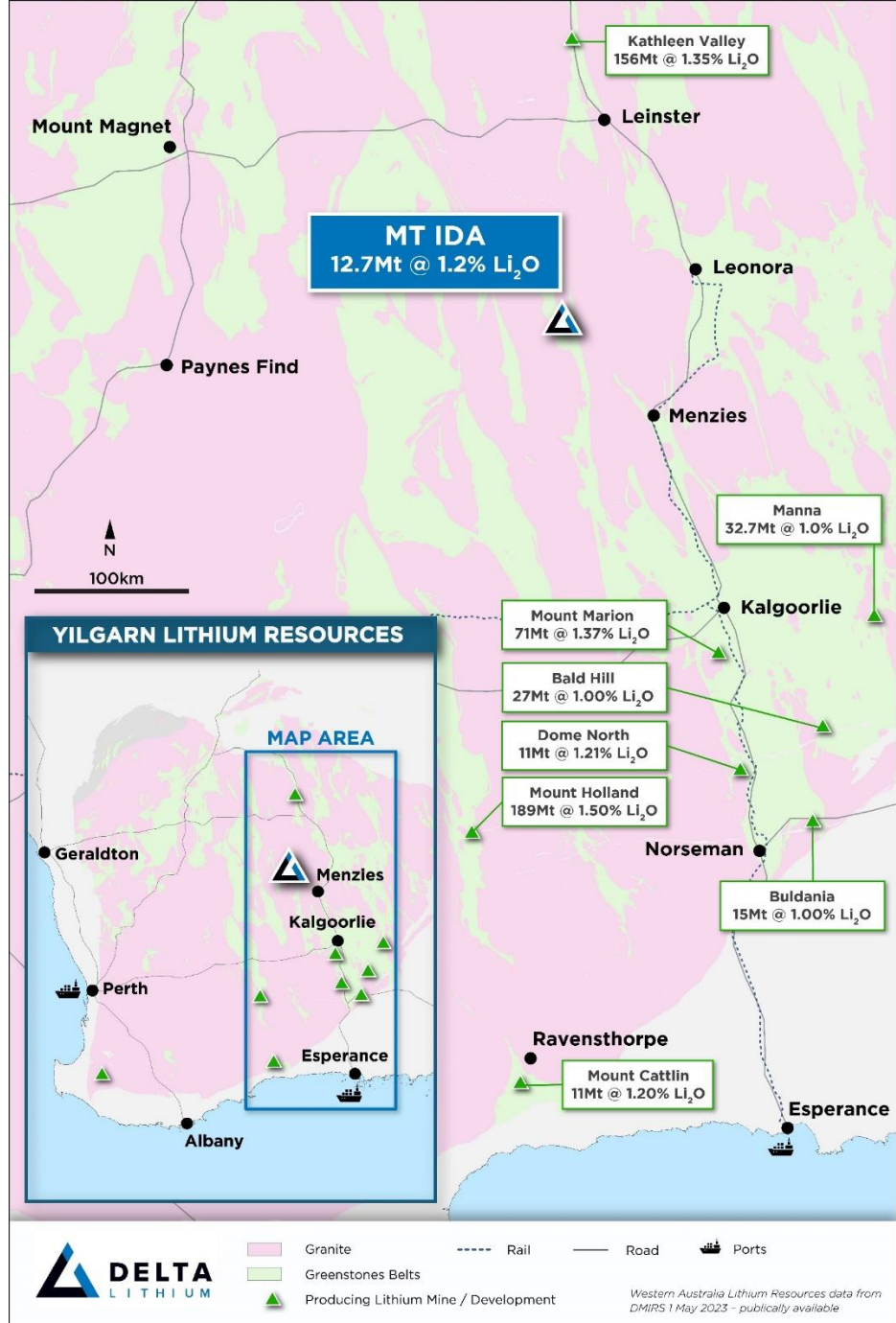
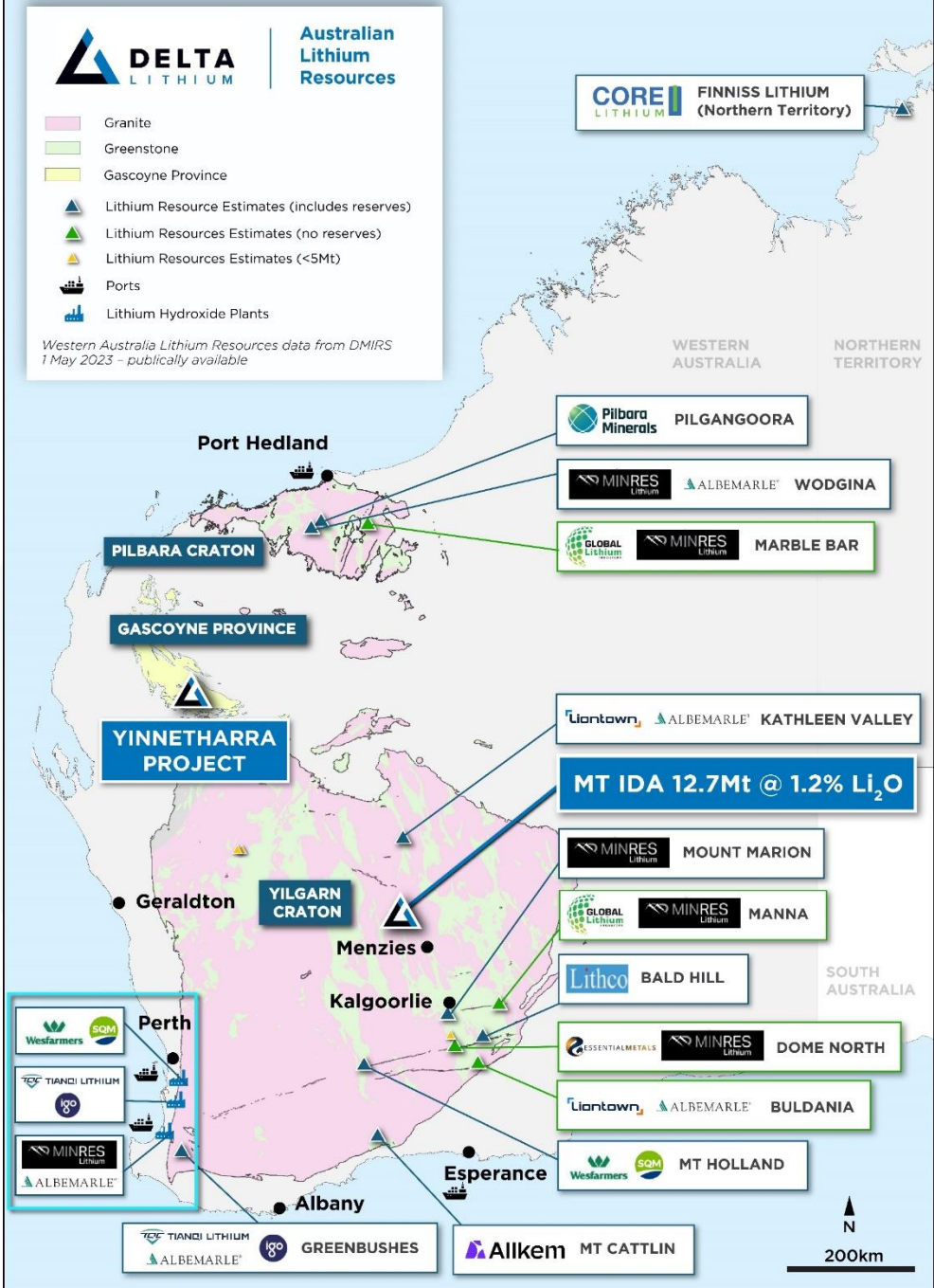


Appendices – Mineral Resources

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	46	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.





Our Business Partners

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Rockwater



NAGROM



GREEN VALUES
— AUSTRALIA —



right solutions.
right partner.



propel.

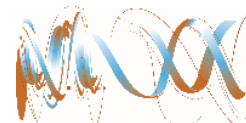
Advisian
Worley Group

weatherzone[®]
business
a DTN company



PRIME^{RO}

SALIENT CORPORATE



DUST UP PROJECTS

automated
mineralogy
incubator

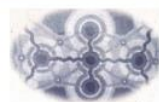


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Integrität



Board of Directors

David Flanagan
James Croser
Tim Manners
Nader El Sayed

Executive Chairman
Non-Executive Director
Non-Executive Director
Non-Executive Director

Key Management Personnel

Jeremy Sinclair
Daniel Taylor
Charles Hughes
Peter Gilford

Chief Operating Officer
Chief Marketing Officer
Chief Geologist
Chief Financial Officer and Company Secretary

