RIU FREMANTLE CORPORATE PRESENTATION

FEBRUARY 2024

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Competent Person Statement

JORC and Listing Rules Compliance Statement
Information in this Presentation that relates to exploration results is based upon work undertaken by Mr. Charles Hughes, a Competent Person 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 and consents to the inclusion in this Presentation of the matters based on his information in the form and context in which it appears.

Past Exploration Results and Mineral Resource estimates reported in this Presentation have been previously prepared and disclosed by Delta in accordance with the JORC Code. The information in this Presentation that relates to:

- exploration results are extracted from Delta's ASX announcements of:
  - a) 19 October 2022 and entitled "Maiden Lithium Mineral Resource Estimate at Mt Ida", and for which the consent of the Competent Person, Mr Matthew Boyes, was obtained;
  - b) 25 January 2023 entitled "Best intercept to date at Mt Ida Lithium Project", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - c) 27 February 2023 entitled "Yinnetharra results confirm extensive near surface strike", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - d) 3 April 2023 entitled "Scale of the Yinnetharra Project continues to grow", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - e) 24 April 2023 entitled "NEW MT IDA DISCOVERY 90 METRES AT 0.95% Li2O", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - f) 8 May 2023 entitled "Further shallow thick high-grade Lithium from Yinnetharra", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - g) 8 August 2023 entitled "Drilling update for Mt Ida Lithium", and for which the consent of the Competent Person, Mr Charles Hughes, was obtained;
  - h) 21 August 2023 entitled "Excellent Yinnetharra Initial Metallurgical Results and Drilling Update" and for which the consent of the Competent Person, Mr Charles Hughes, was obtained,
  - i) 4 September 2023 entitled "High grade gold results offer complementary cashflow opportunity at Mt Ida" and for which the consent of the Competent Person, Mr Charles Hughes, was obtained, and
  - j) 10 November 2023 entitled "Yinnetharra and Mt Ida Exploration Update" and for which the consent of the Competent Person, Mr Charles Hughes, was obtained.
- mineral resource estimates are extracted from Delta's ASX announcements dated 19 October 2022 and entitled "Maiden Lithium Mineral Resource Estimate at Mt Ida", and for which the consents of the Competent Persons, Ms Justine Tracey and Mrs Christine Standing, were obtained and the 3 October 2023 ASX announcement entitled "Mt Ida Lithium Project Mineral Resource Estimate upgrade" and the 11 October 2023 ASX announcement entitled "Mt Ida Maiden Gold Mineral Resource Estimate" and the 27 December 2023 ASX announcement entitled "Yinnetharra Lithium Project Maiden Mineral Resource Estimate" , and for which the consent of the Competent Persons, Ms Susan Havlin and Dr Andrew Scogings was obtained.

The Company confirms that it is not aware of any new information or data that materially affects the information included in these market announcements. 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 announcements, 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 details on past exploration results and Mineral Resource estimates.

JORC Code differs from reporting requirements in other countries
It is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia comply with the JORC Code. Investors outside Australia should note that while ore reserve and mineral resource estimates of the Company in this Presentation comply with the JORC Code, they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43 101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators or (ii) Item 1300 of Regulation S-K, which governs disclosure of mineral reserves in registration statements filed with the US Securities and Exchange Commission.

Information contained in this Presentation describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of other countries. You should not assume that quantities reported as "resources" in this Presentation will be converted to reserves under the JORC Code or any other reporting regime or that Delta will be able to legally and economically extract them.

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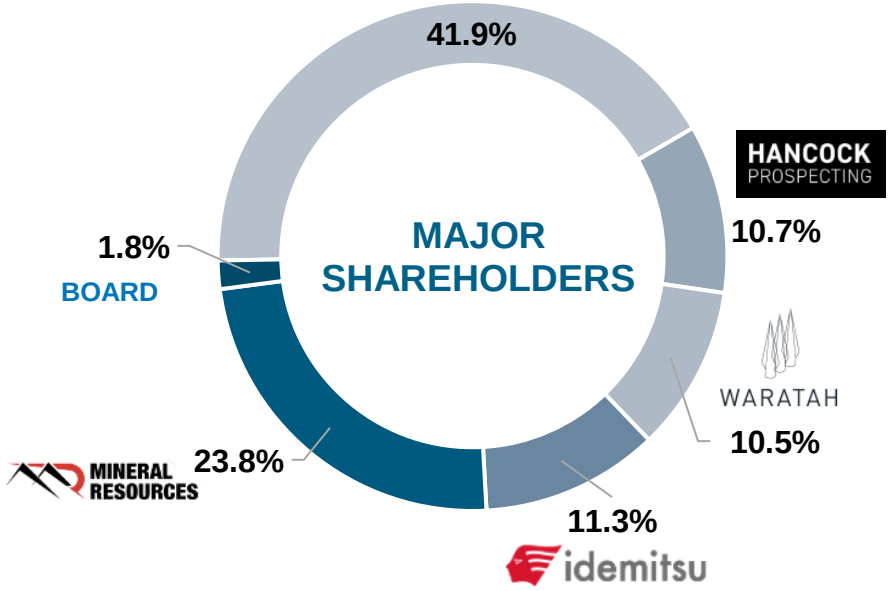
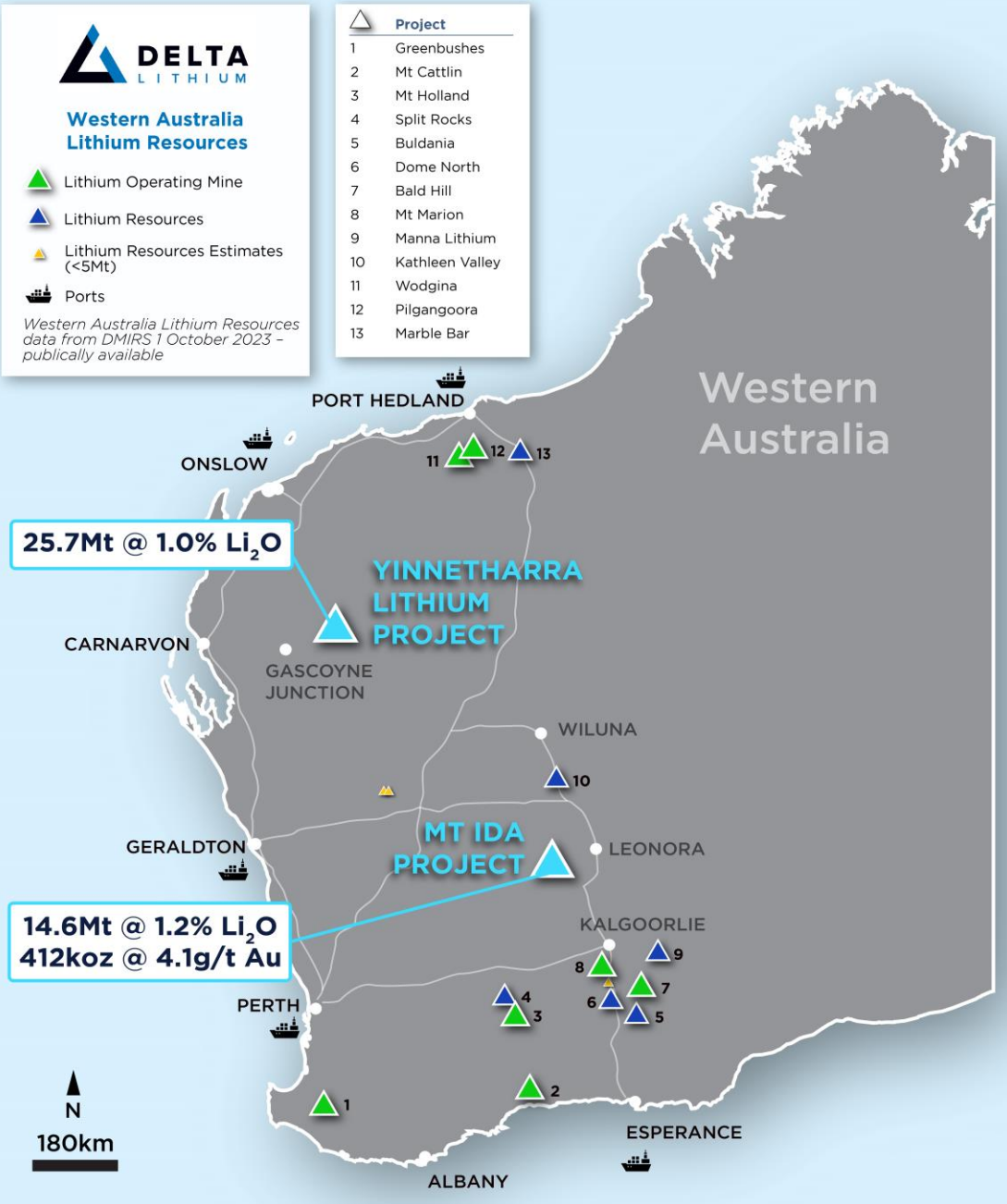
CORPORATE OVERVIEW

CAPITAL STRUCTURE	
SHARES ON ISSUE	711.8M
PERFORMANCE RIGHTS	6.5M
OPTIONS	24.9M
MARKET CAP	A$199.3M
CASH	A$116M[1]

ABN: 67 107 244 39
ASX: DLI
deltalithium.com.au



1. Cash Balance as at 31 December 2023



BOARD OF DIRECTORS

BOARD OF DIRECTORS

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Chris Ellison

Non-Executive Chairman

- 40+ years experience in the Australian mining and resources sector
- Founder of leading $11 billion diversified resources company Mineral Resources

James Croser

Managing Director

- 25+ years operational, technical and management experience in the Australian mining sector
- Engineering background

Steve Kovac

Non-Executive Director

- Current CEO of Idemitsu Australia
- 23+ years experience in the mining sector
- Held Senior Management and Executive level roles for the past 14 years

Joshua Thurlow

Non-Executive Director

- 20+ years experience in mining and resources across Asia Pacific, Africa & North America
- Background in corporate strategy, social responsibility, business development and growth and operations leadership

Tim Manners

Non-Executive Director

- 25+ years experience in corporate finance, accounting and business development functions in the resources sector
- Held senior financial positions in various sectors including precious and base metals, industrial minerals and bulk commodities

Nader El Sayed

Non-Executive Director

- Current CEO of Multiplant Holdings – a mining and civil services provider
- Background in risk management, corporate governance, strategy and finance

RAPID DEVELOPMENT OF WA LITHIUM ASSETS

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Our Team

Experienced resource professionals with Life of Mine vision

Major Shareholders

Substantial investments by proven lithium miners, multinationals and investors

Location

Two JORC Lithium Resources

Global **40.4Mt @ 1.1% Li_2O**

WA the Hard-rock Lithium Capital of the World

Mt Ida

Phase 1 Mining Approved

Lithium MRE **14.6Mt @ 1.2% Li_2O**

Gold MRE **3.1Mt @ 4.1g/t Au**

Yinnetharra

Lithium MRE **25.7Mt @ 1.0 % Li_2O**

Large ongoing exploration and resource definition drilling programs

Dominant landholding

Upcoming Catalysts

Extensive on-going exploration

Mining and Metallurgy Studies Progressing

Yinnetharra regional growth

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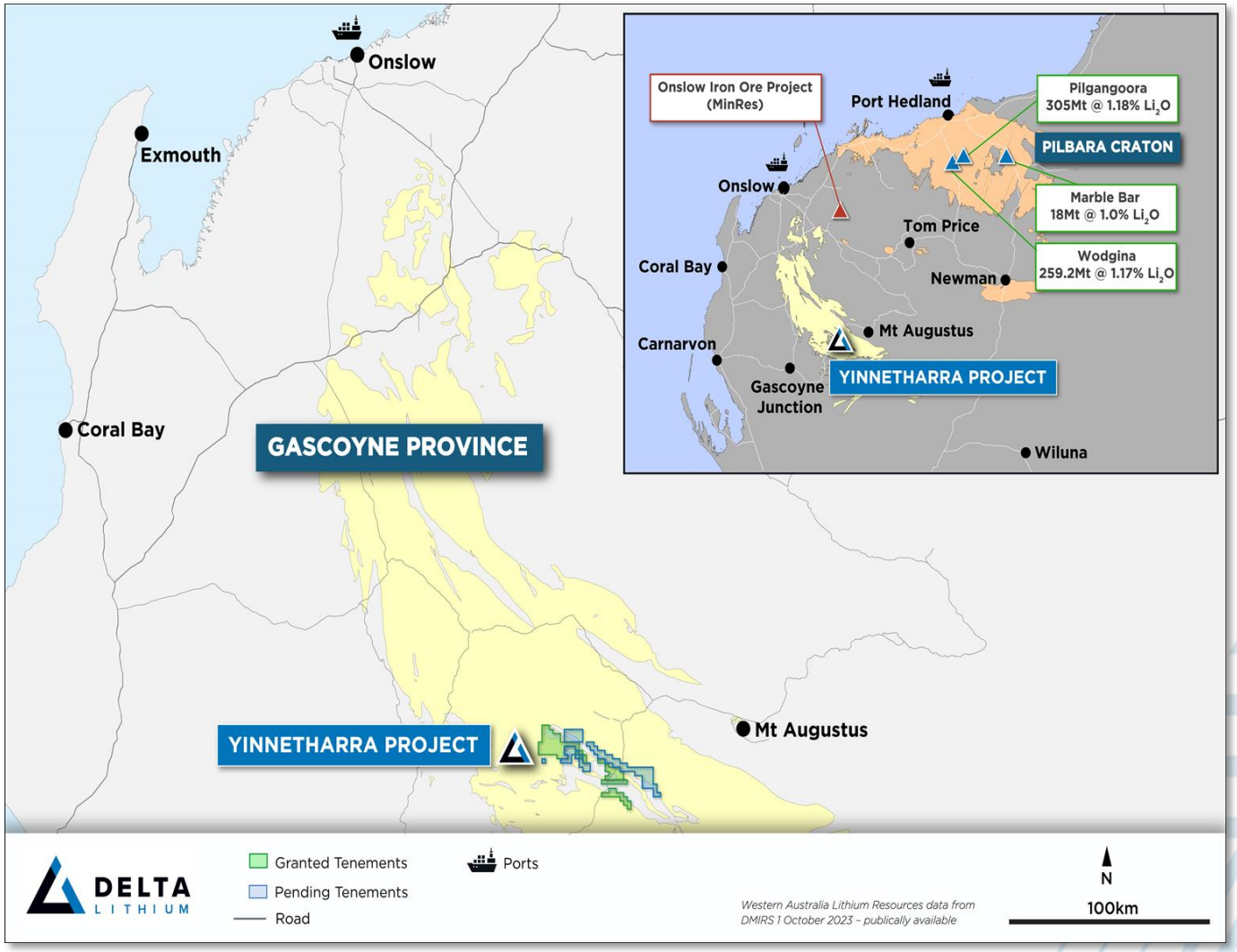
YINNETHARRA LITHIUM PROJECT

YINNETHARRA LITHIUM PROJECT

- Discovery in the emerging Gascoyne Province
- Potential to prove significant scale and grade and grow to a globally significant project
- 50+ identified pegmatite outcroppings
- Less than 5% of the tenement area tested with drilling so far
- Drilling currently focused at the Malinda Prospect being the leading opportunity
- Early-stage exploration project covering over 1,350km^2 including Lyons River



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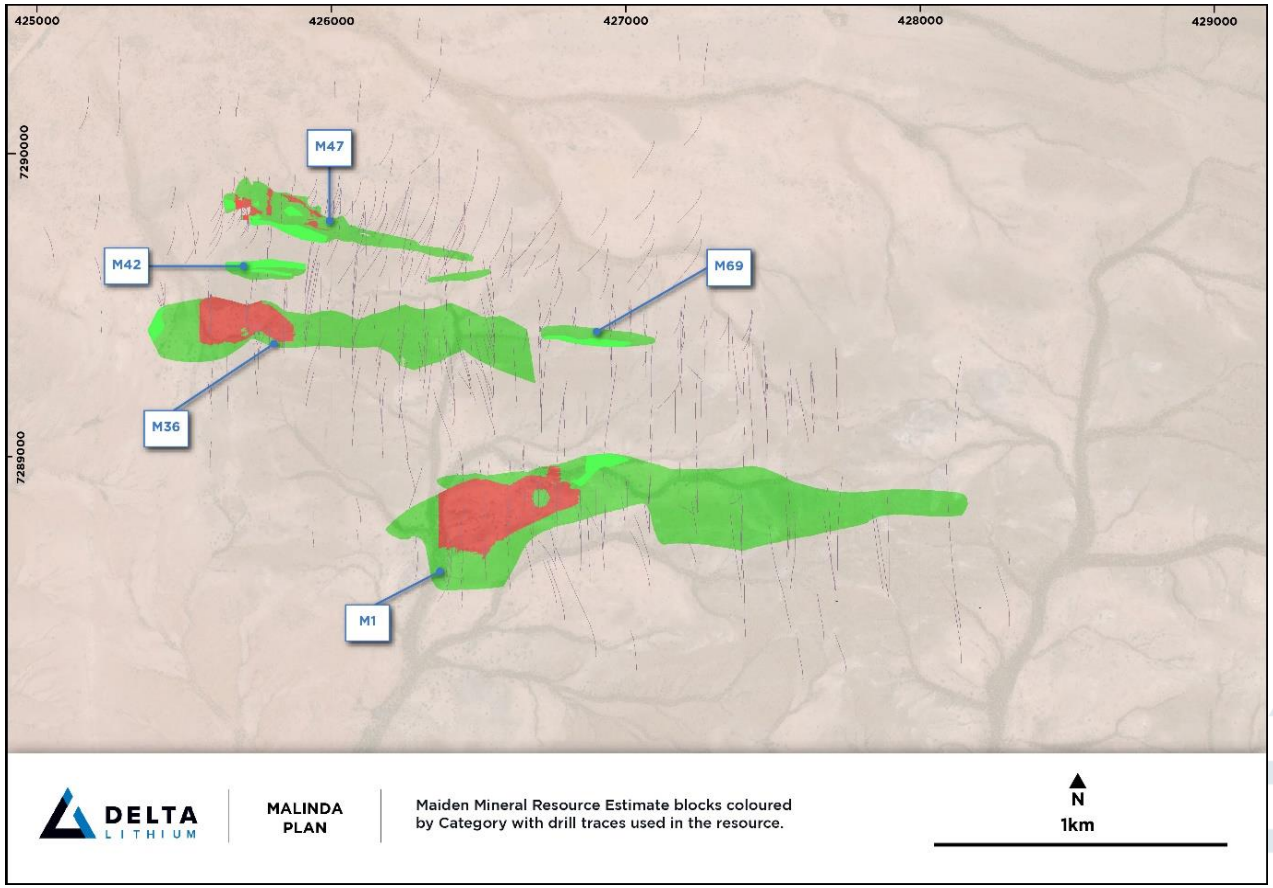
YINNETHARRA –

MALINDA PROSPECT

- Six well-defined pegmatites at Malinda
- Mineralisation is present from surface to a depth of at least 350m
- Two of these pegmatites have consistent mineralisation over 1.6km and open
- Exciting shallow and wide initial intercepts into M47 pegmatite:
  - YNRD082: 43m @ 1.22% Li_2O from 66m[6]
  - YNEX004: 35.2m @ 1.00% Li_2O from 5m[3]
  - YDRD018 68.9m @ 1% Li2O from 127.9m[4]
- High grade thick intercepts from M36 pegmatite:
  - YRRD118: 33m @ 1.9% Li_2O from 218m[7]
  - YRRD114: 19m @ 1.6% Li_2O from 190m[7]
  - YRRD120: 29m @ 1.5% Li_2O from 205m[8]
- Excellent intercepts from drilling so far into M1 pegmatite:
  - YNRD005: 55.6m @ 1.12% Li_2O from 94m[9]
  - YNRD028: 17m @ 1.13% Li_2O from 61m[4]
  - YRRD011: 20m @ 1.29% Li_2O from 28m[5]
  - YDRD011: 47.3m @ 1.3% Li2O from 82.6m[10]
- Excellent early met results high-quality clean concentrate



3. Refer to ASX announcement 27 February 2023 "Yinnetharra results confirm extensive near surface strike"
4. Refer to ASX announcement 27 December 2023 "Yinnetharra Project Maiden Mineral Resource Estimate"
5. Refer to ASX announcement 8 May 2023 "Further shallow thick high-grade Lithium from Yinnetharra"
6. Refer to ASX announcement 14 June 2023 "More exciting lithium drill results at Yinnetharra and Mt Ida"
7. Refer to ASX announcement 23 June 2023 "Stunning new drilling results from Yinnetharra"
8. Refer to ASX announcement 4 July 2023 "Further exceptional drilling results from Yinnetharra"
9. Refer to ASX announcement 20 January 2023 "Outstanding assays returned from initial Yinnetharra Lithium drill hole"
10. Refer to ASX announcement 10 November 2023 "Exploration Update – Yinnetharra and Mt Ida"

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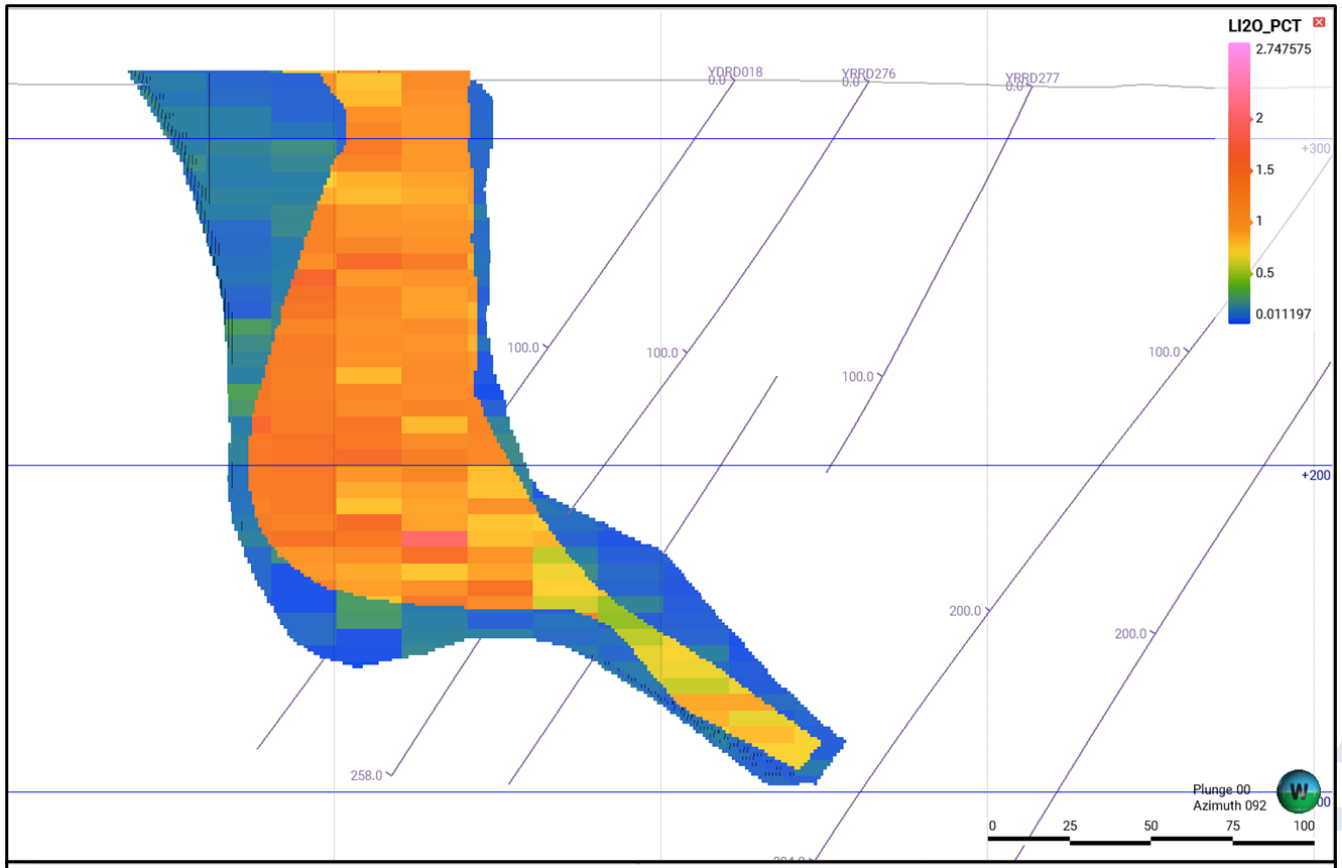
MAIDEN LITHIUM RESOURCE AT MALINDA

THE FIRST 12 MONTHS AT YINNETHARRA

- Maiden JORC Lithium MRE at Malinda
  25.7Mt @ 1.0% Li_2O (at a 0.5% Li_2O cut off)[1]

	Resource category	Cut-off grade (Li_2O%)	Li_2O Tonnes (Mt)	Li_2O Grade (% Li_2O)	Li_2O (Kt)	Ta_2O_5 Grade (Ta_2O_5 ppm)
Yinnetharra	Measured	0.5	-	-	-	-
	Indicated		6.7	1.0	65	51
	Inferred		19.0	1.0	181	67
	Total Resource		25.7	1.0	246	62

- 115,000m of drilling, nearly 500 drillholes
- 25% of total resource is *Indicated* category mainly in near-surface areas
- Scoping Study at Malinda commencing
- Targetted Metallurgical & Geotechnical test work being drawn up
- Mining Licence application at Malinda underway



DELTA LITHIUM | Malinda Section looking east | Maiden Mineral Resource Estimate, M1 pegmatite blocks coloured by Li_2O with drill traces

1. Refer to ASX announcement 27 December 2023 "Yinnetharra Lithium Project Maiden Mineral Resource Estimate"

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YINNETHARRA LITHIUM PROJECT

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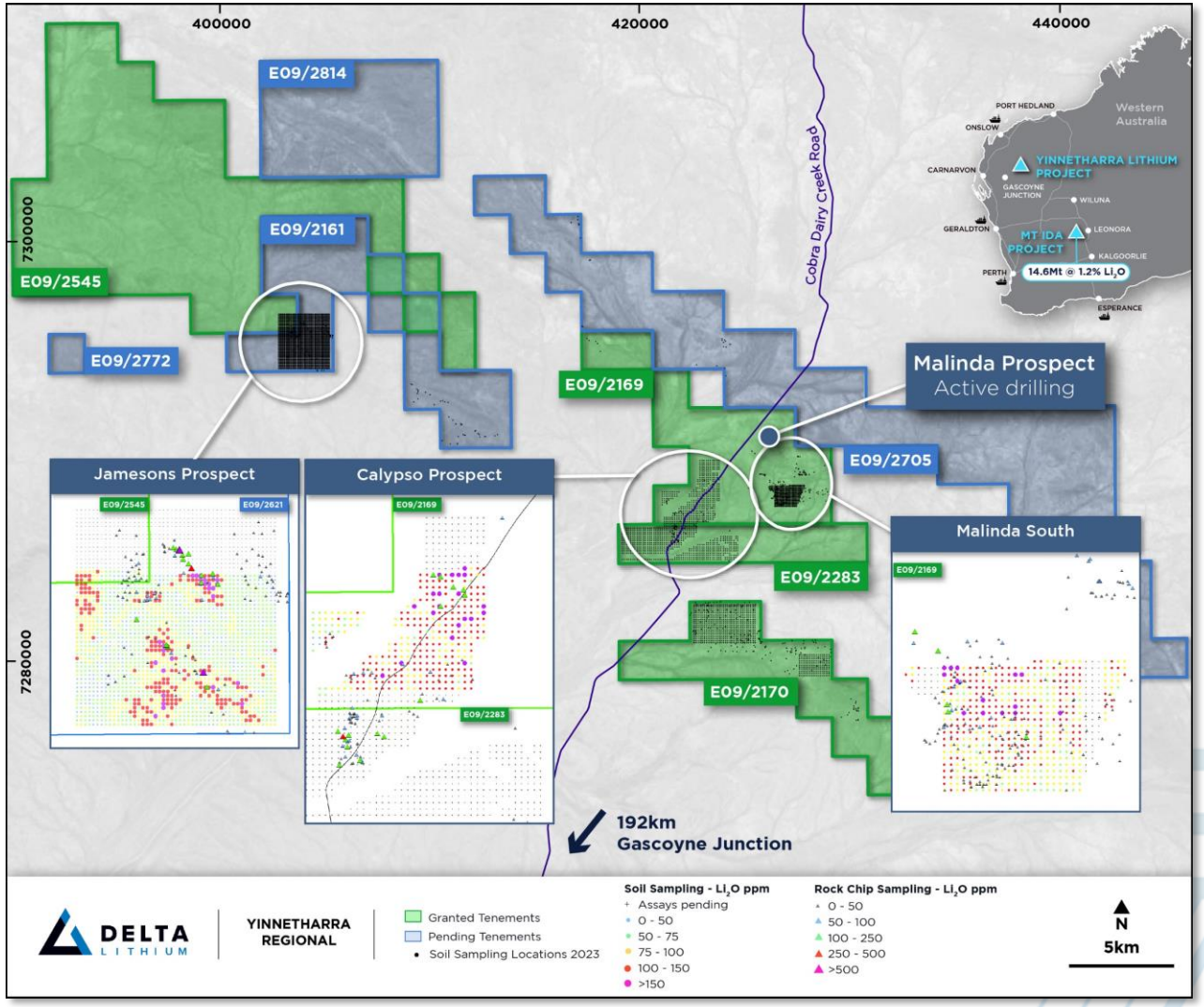
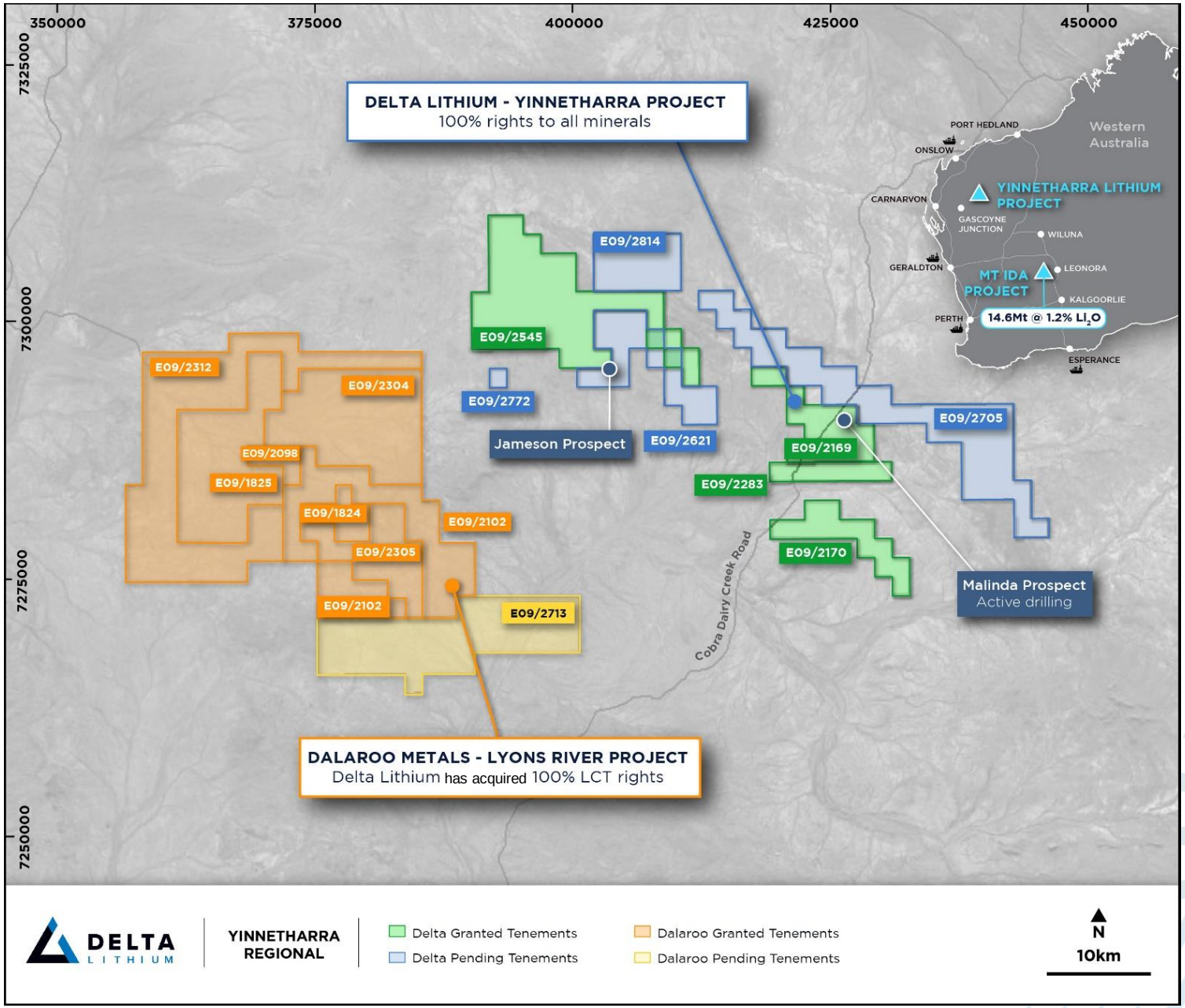
Upcoming Exploration Program

- Significantly enhanced drilling program +150,000m planned
- Resource definition, step-out and regional drilling
- Regional field work including soil sampling and mapping ongoing
- Scheduled Heritage, flora and fauna surveys
- Targeting first drilling at Jamesons in 1H2024
- Target maiden MRE at Jamesons



LYONS RIVER PROJECT

- Lithium Rights acquired from Dalaroo Metals October 2023
- Mapped pegmatite swarms and lithium in soil anomalies up to 472 ppm Li_2O
- Land area 838 km^2
- Similar prospective granite intrusives and sediment-mafic lithologies to Yinnetharra
- Greenfields exploration to commence in 1Q2024



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MT IDA LITHIUM PROJECT

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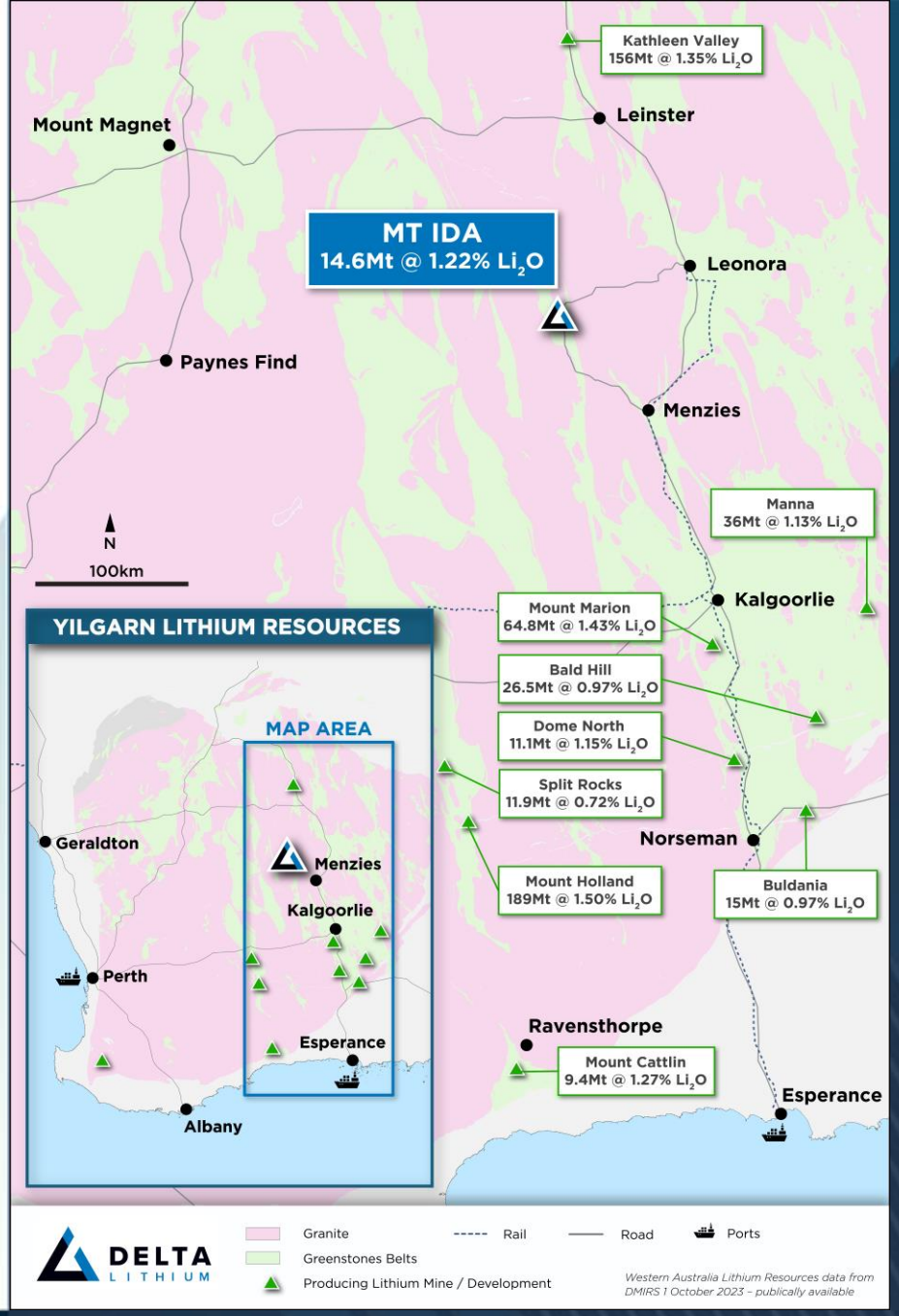
MT IDA LITHIUM PROJECT

- 14.6Mt @ 1.2% Li_2O[1] paving the way for commencement of mining
- Drilling completed 1,000+ holes for 200,000m+
- MRE recently increased the Indicated Resource by 136%
- Granted Mining Leases and Granted Mining Approval Phase 1 ”*Shovel Ready*”
- Potential near-term production
- Target Life of Mine >10 years
- Strategic geographical position
- Maiden gold MRE 3.1 Mt @ 4.1g/t for 412,000oz

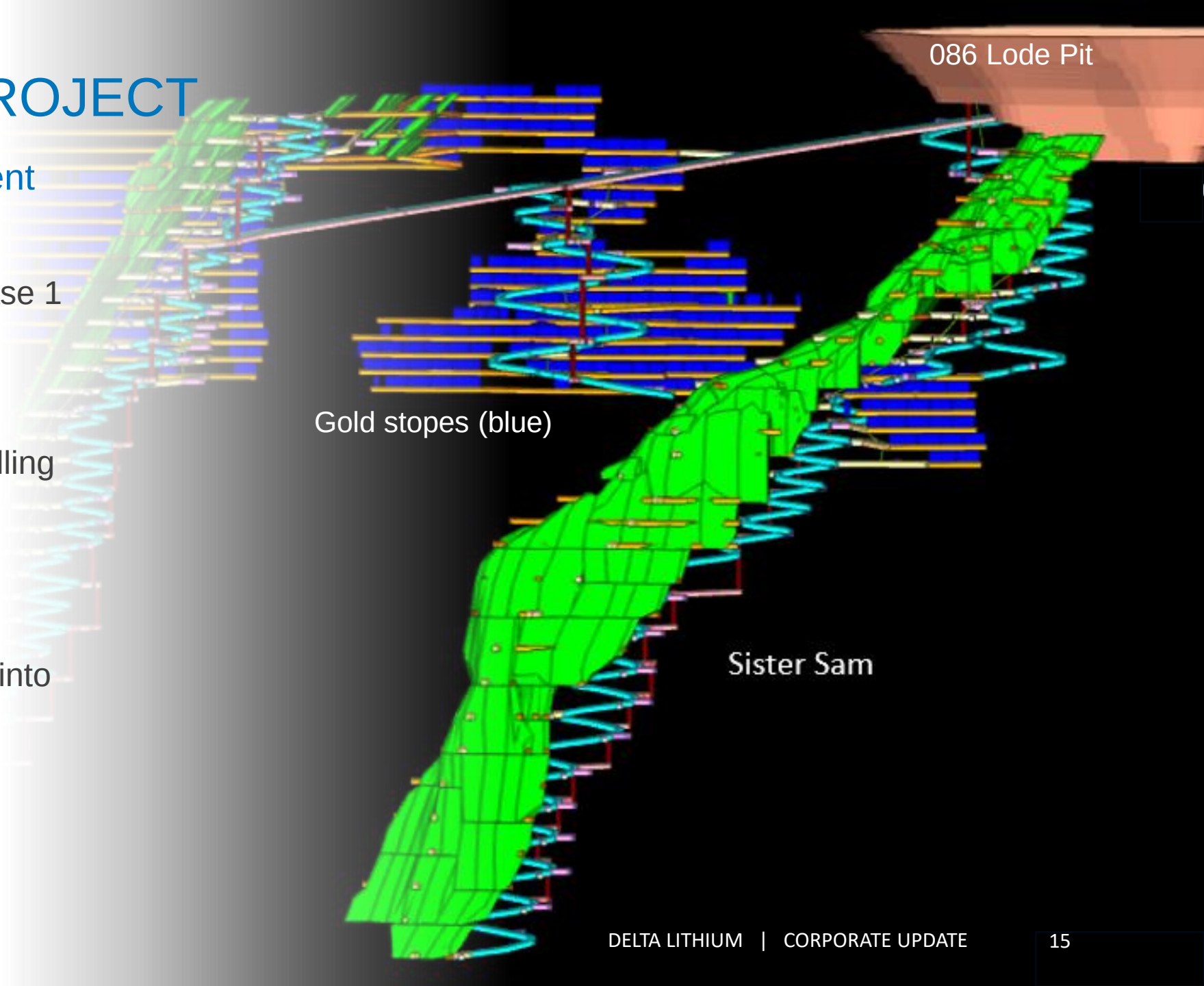


[1] *Refer to ASX Announcement 3 Oct 2023 “Mt Ida Lithium Project Mineral Resource Estimate upgrade“*

MT IDA LITHIUM PROJECT

Upcoming Project Development

- Mining Approval granted for Phase 1 Sister Sam/086 Lode open pit
- Phase 2 Approval underway
- Completed RC and Diamond drilling programs in Jan 2024
- Continue mapping of tenure and target generation
- Investigate the inclusion of gold into the conceptual mining plan
- Review options to maximise the value of gold resources



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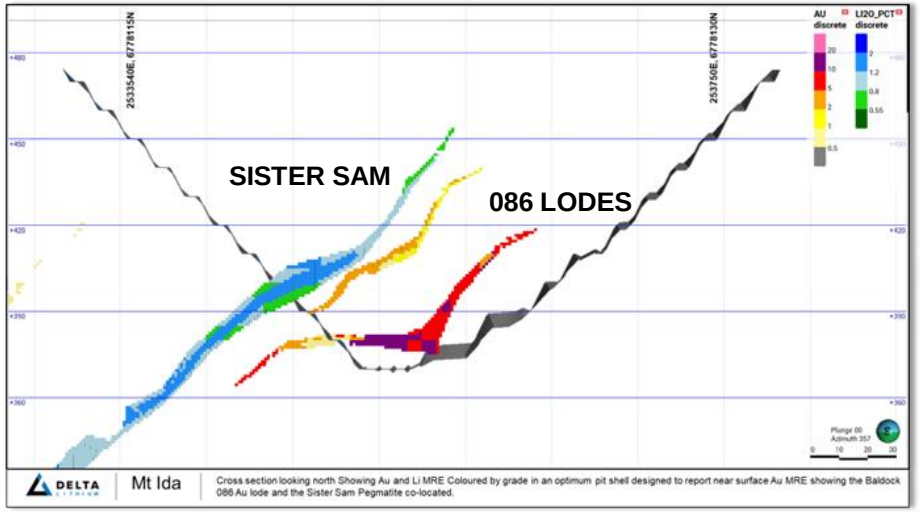
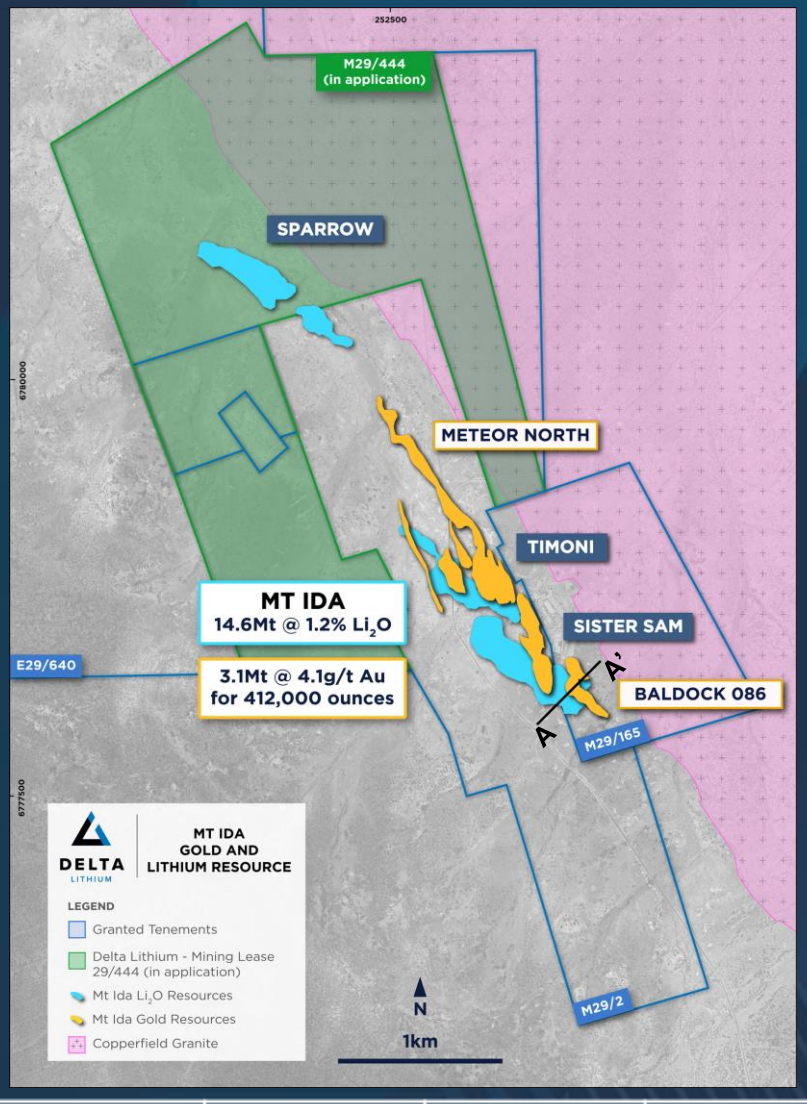
MT IDA GOLD RESOURCE

Exploring the potential of a proven gold district

- Includes high-grade shallow resources:
  - *Baldock 086* 0.24Mt @ 9g/t Au for 70koz[2]
  - *Meteor North 140* 0.6Mt @ 4.7g/t Au for 91koz[2]
- 50% of the gold in Indicated Resources
- 100% of the gold within granted Mining Leases
- 85% of the gold within areas subject to Mining Proposal
- Large proportion is located adjacent to the lithium resources



CROSS SECTION A – A'



	Mt	Au g/t	Au koz
Indicated	1.12	5.7	206
Inferred	1.97	3.2	206
Total	3.10	4.1	412

[2] *Refer to ASX Announcement 11 Oct 2023 "Mt Ida Maiden Gold Mineral Resource Estimate"*

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DELTA LITHIUM

"WE ARE THE DIFFERENCE"

Premium Locations
Hardrock Lithium Capital of the World

Our Team
Results driven with proven hardrock lithium experience

Mt Ida
JORC 14.6 Mt @ 1.2% Li_2O
Mining Approval granted

Yinnetharra
Maiden JORC resource 25.7Mt @ 1.0% Li_2O
Tier one potential with <5% of the project explored so far

Major Shareholders
Proven hardrock lithium partners

Upcoming Catalysts
Exploration results & Mining Studies
Lithium resource updates
And gold…

GROUP MINERAL RESOURCE ESTIMATES

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Group Mineral Resource estimate - Lithium						
	Resource category	Cut-off grade (Li_2O%)	Li_2O Tonnes (Mt)	Li_2O Grade (% Li_2O)	Li_2O (Kt)	Ta_2O_5 Grade (Ta_2O_5 ppm)
Yinnetharra	**Measured**	**0.5**	**-**	**-**	-	**-**
	Indicated		6.7	1.0	65	**51**
	Inferred		19.0	1.0	181	67
	Total Resource		**25.7**	**1.0**	**246**	**62**
Mt Ida	**Measured**	**0.5**	**-**	**-**	**-**	**-**
	Indicated		7.8	1.3	104	224
	Inferred		6.8	1.1	76	154
	Total Resource		**14.6**	**1.2**	**180**	**191**
Total Measured			-	-	-	-
Total Indicated			14.5	1.2	169	144
Total Inferred			25.8	1.0	257	90
Total			**40.4**	**1.1**	**426**	**109**

Notes:
Tonnages and grades have been rounded to reflect the relative uncertainty of the estimate. Inconsistencies in the totals are due to rounding.

Refer to ASX announcement 27 December 2023 "Yinnetharra Lithium Project Maiden Mineral Resource Estimate"

Table 1:Mt Ida Gold Mineral Resource Estimate - Open pit.

Cut-off	Prospect	Classification	Tonnes	Grade	Metal
Au g/t			Mt	Au g/t	Au koz
0.5	Western Lodes	Indicated	0.52	6.6	110
		Inferred	0.30	3.7	35
	Kestrel	Inferred	0.57	1.6	29
		Inferred	0.86	2.3	64
		Total	1.38	3.9	174

Table 2:Mt Ida Gold Mineral Resource Estimate - Underground.

Cut-off	Prospect	Classification	Tonnes	Grade	Metal
Au g/t			Mt	Au g/t	Au koz
1.5	Western Lodes	Indicated	0.60	5.0	97
		Inferred	0.89	4.5	128
	Kestrel	Inferred	0.22	1.9	14
		Inferred	1.11	4.0	142
		Total	1.71	4.3	238

Refer to ASX Announcement 11 Oct 2023 "Mt Ida Maiden Gold Mineral Resource Estimate"