



CORPORATE PRESENTATION

MAY 2024



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IMPORTANT NOTICES AND DISCLAIMER

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.
 - k) 14 March 2024 entitled "Yinnetharra Exploration Update" and for which the consent of the Competent Person, Mr Charles Hughes, was obtained.
 - l) 22 April 2024 entitled "Company Update and First Jameson Result" and for which the consent of the Competent Person, Mr Charles Hughes, was obtained.

- mineral resource estimates 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 consents of the Competent Persons, Ms Justine Tracey and Mrs Christine Standing, was obtained;
 - b) 3 October 2023 ASX announcement entitled "Mt Ida Lithium Project Mineral Resource Estimate upgrade" and for which the consent of the Competent Persons, Ms Susan Havlin and Dr Andrew Scogings was obtained;
 - c) 11 October 2023 ASX announcement entitled "Mt Ida Maiden Gold Mineral Resource Estimate" and for which the consent of the Competent Persons, Ms Susan Havlin and Dr Andrew Scogings was obtained;
 - d) 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.

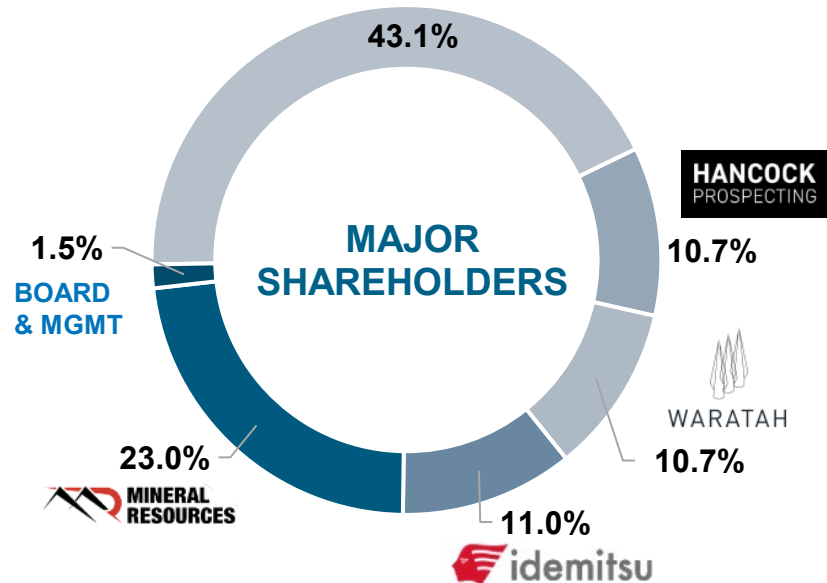
Information contained in this Presentation describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of other countries. You should not assume that quantities reported as "resources" in this Presentation will 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.



CORPORATE OVERVIEW

CAPITAL STRUCTURE	
SHARES ON ISSUE	713.4M
PERFORMANCE RIGHTS	4.9M
OPTIONS	24.9M
MARKET CAP	A\$217.6M ¹
CASH	A\$100.2M ²

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

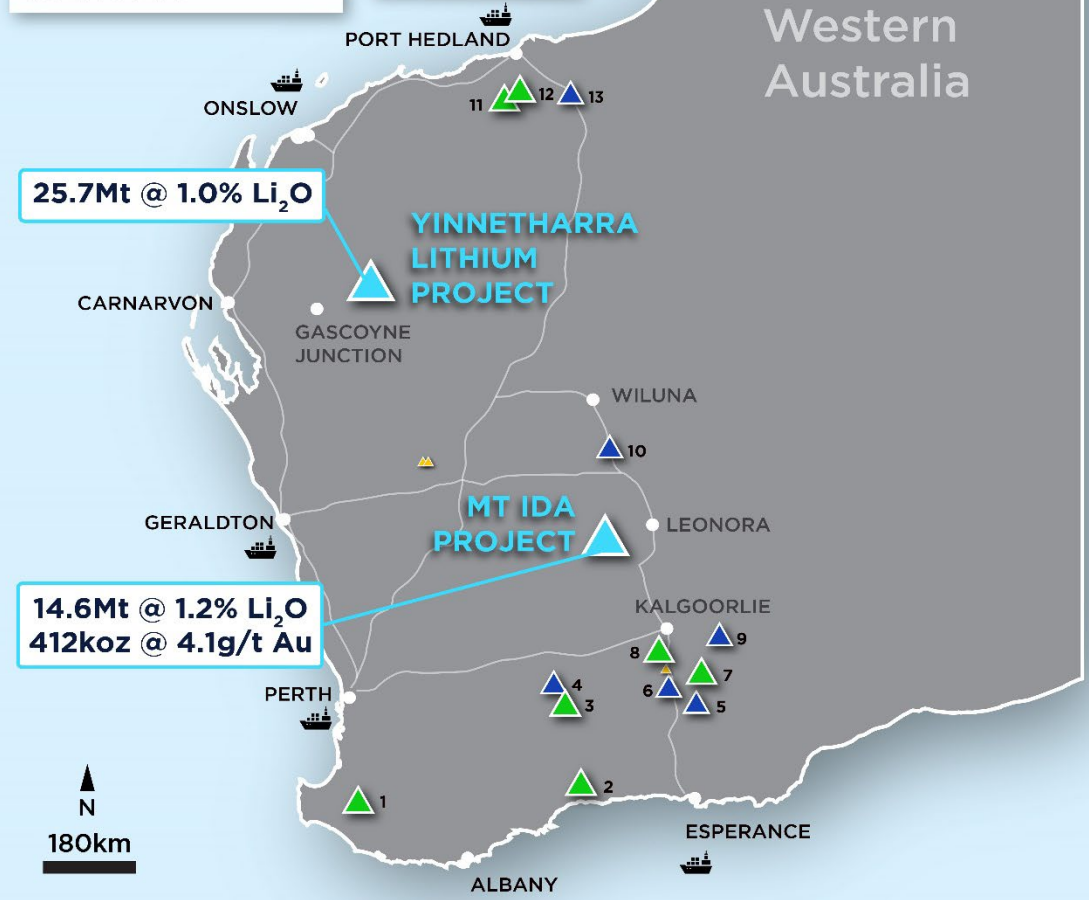


Western Australia Lithium Resources

- ▲ Lithium Operating Mine
- ▲ Lithium Resources
- ▲ Lithium Resources Estimates (<5Mt)
- Ports

Western Australia Lithium Resources data from DMIRS 1 October 2023 - publically available

Project	Project
1	Greenbushes
2	Mt Cattlin
3	Mt Holland
4	Split Rocks
5	Buldanina
6	Dome North
7	Bald Hill
8	Mt Marion
9	Manna Lithium
10	Kathleen Valley
11	Wodgina
12	Pilgangoora
13	Marble Bar



1. Closing Price 7 May 2024
 2. Cash Balance as at 31 March 2024

BOARD OF DIRECTORS

PROVEN EXPERIENCE IN PROJECT DELIVERY



Chris Ellison

Non-Executive Chairman

- 40+ years experience in the Australian mining and resources sector
- Founder of leading \$14.5 billion diversified resources company Mineral Resources



James Croser

Managing Director

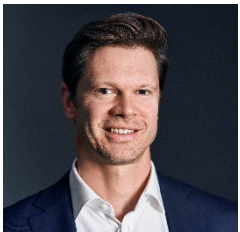
- 25+ years operational, technical and management experience in the Australian mining sector
- Engineering background



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

THE DELTA STRATEGY



STRONG FOCUS ON CAPITAL ALLOCATION & CASH PRESERVATION



GOAL IS TO DEVELOP AN OPERATING MINE



CURRENT PRIORITY IS BUILDING UPON CONFIDENCE AT YINNETHARRA



OPEN TO ACQUISITIONS THAT COMPLIMENT OUR STRATEGY



MOVING TOWARDS MONETISING GOLD TO FUND GROWTH

“PLAN FOR SUCCESS – EXECUTE THE PLAN”

RAPID DEVELOPMENT OF WA LITHIUM ASSETS



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% Li₂O**
WA the Hard-rock Lithium Capital of the World



Mt Ida

Phase 1 Mining Approved
Lithium MRE **14.6Mt @ 1.2% Li₂O**
Gold MRE **3.1Mt @ 4.1g/t Au**



Yinnetharra

Lithium MRE **25.7Mt @ 1.0 % Li₂O**
Large ongoing exploration and resource
definition drilling programs
Dominant landholding



Upcoming Catalysts

Yinnetharra regional growth
Mining and Metallurgy Studies Progressing
Mt Ida Gold value-add

YINNETHARRA LITHIUM PROJECT

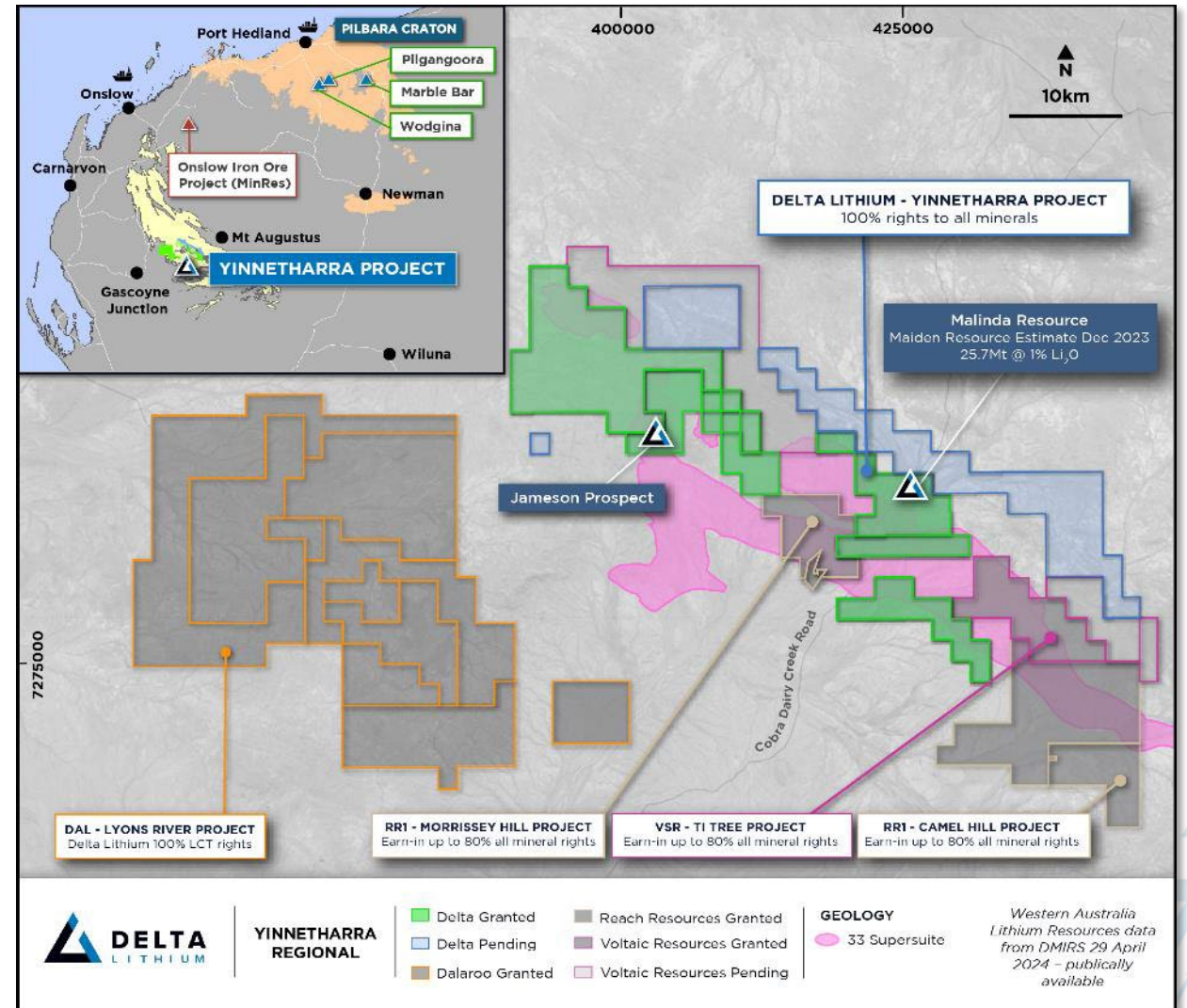
GROWING A DISCOVERY IN THE
EMERGING GASCOYNE PROVINCE



YINNETHARRA LITHIUM PROJECT

A SOLID BEGINNING AT YINNETHARRA

- ▶ Delta is centre-stage in a newly emerging Gascoyne Lithium Province
- ▶ Dominant 1,769km² Gascoyne exploration project, including +80kms strike of prospective sediment/mafic lithologies
- ▶ Completed 115,000m of drilling at Malinda (~500 drillholes) since acquiring late 2022
- ▶ Significant scale and grade – potential to grow to a globally significant project
- ▶ Expanded Yinnetharra tenure via recent Farm-in's
 - ▶ Lyons River Project mapped pegmatite swarms and lithium in soil anomalies up to 472 ppm Li₂O
 - ▶ Follow up drilling Morrissey Hill up to 0.3% Li₂O

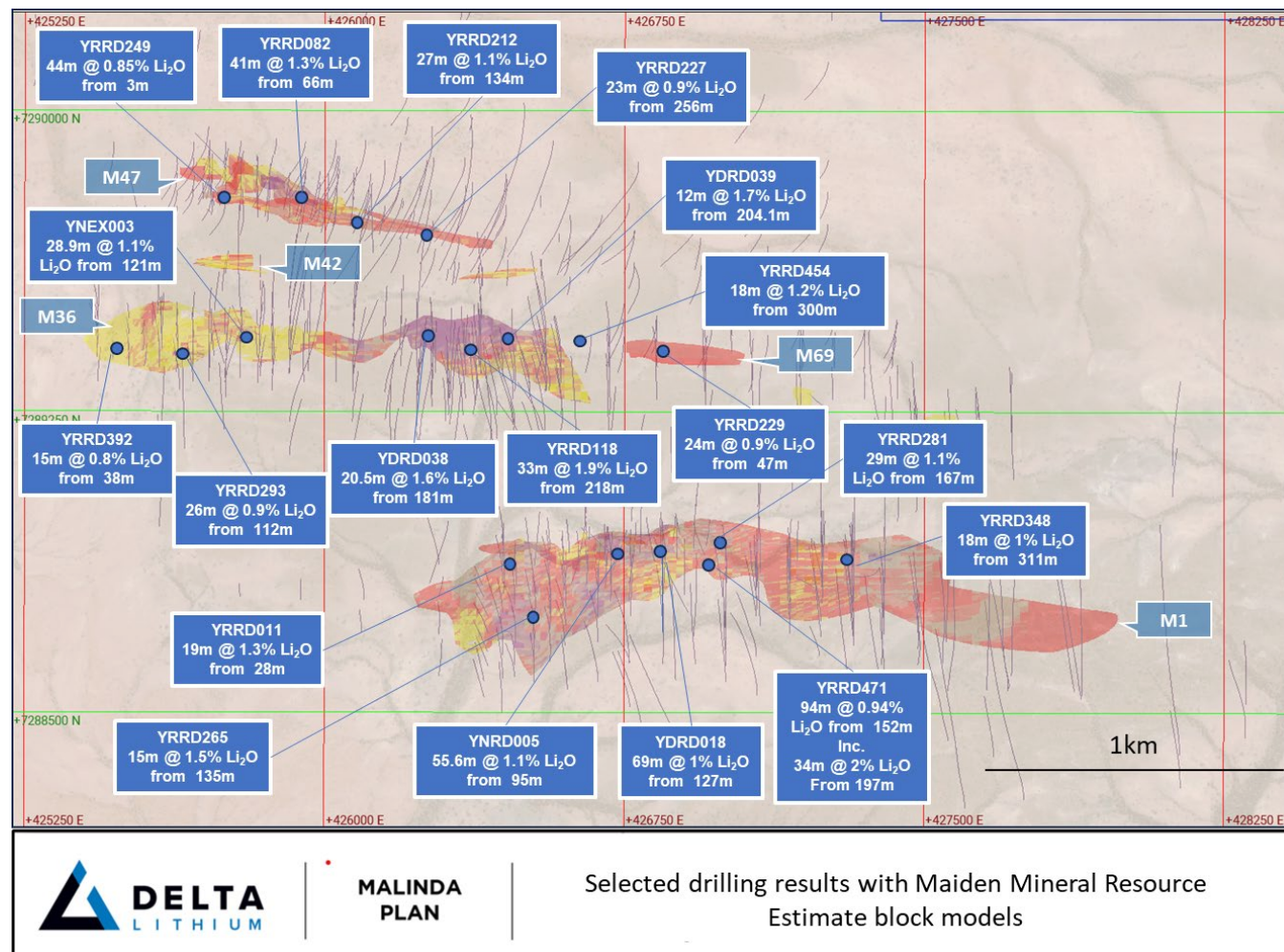


YINNETHARRA – MALINDA PROSPECT

- ▶ Three pegmatites M1, M36, M47 provide most of the tonnes
- ▶ Mineralisation is present from surface to a depth of at least 350m
- ▶ Excellent grades and widths assayed with some high-grade areas particularly in M1, M36:

HOLEID	LODE	FROM	TO	LENGTH		Li2O%
YRRD471	M1	152	248	94	m	0.94
YDRD011	M1	83	130	47	m	1.3
YDRD018	M1	127	196	69	m	1
YRRD011	M1	28	47	19	m	1.3
YRRD265	M1	135	150	15	m	1.5
YRRD281	M1	47	76	29	m	1.1
YRRD118	M36	218	251	33	m	1.9
YRRD454	M36	300	318	18	m	1.2
YDRD039	M36	204	216	12	m	1.7
YNEX003	M36	121	150	29	m	1.1
YRRD293	M36	112	138	26	m	0.9
YRRD082	M47	66	107	41	m	1.3
YRRD249	M47	3	47	44	m	0.85
YRRD212	M47	134	161	27	m	1.1

- ▶ Early met results demonstrated high-quality, clean spodumene concentrate
- ▶ Resource definition and extensional drilling ongoing
- ▶ Geometallurgical domaining underway



All drill results have previously been disclosed to the market. Please refer to the competent persons disclosure on page 3 of this presentation for full details.

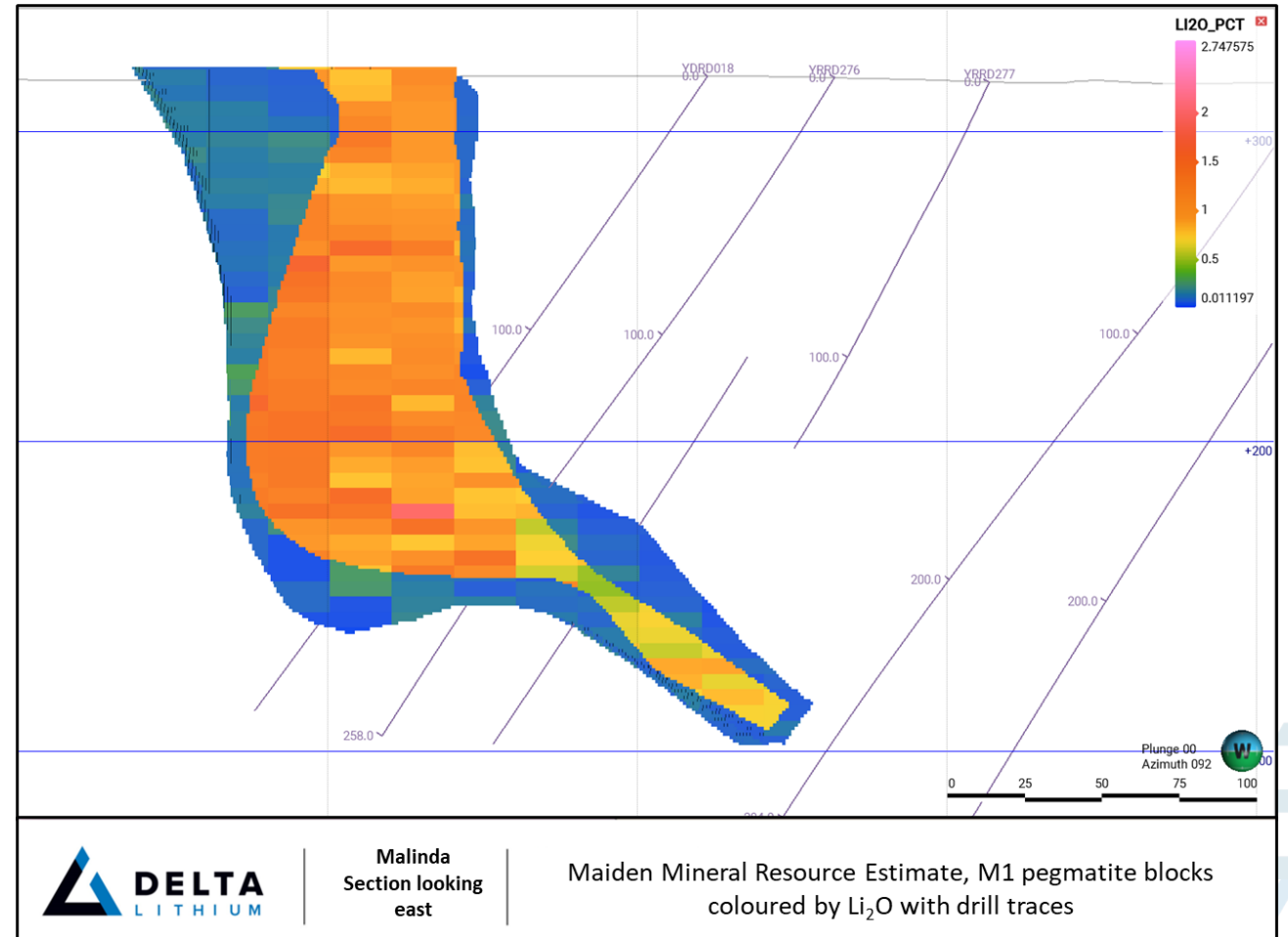
MAIDEN LITHIUM RESOURCE AT MALINDA

- ▶ Maiden JORC Lithium MRE at Malinda Dec'23

25.7Mt @ 1.0% Li₂O (at a 0.5% Li₂O cut off)¹

	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)
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

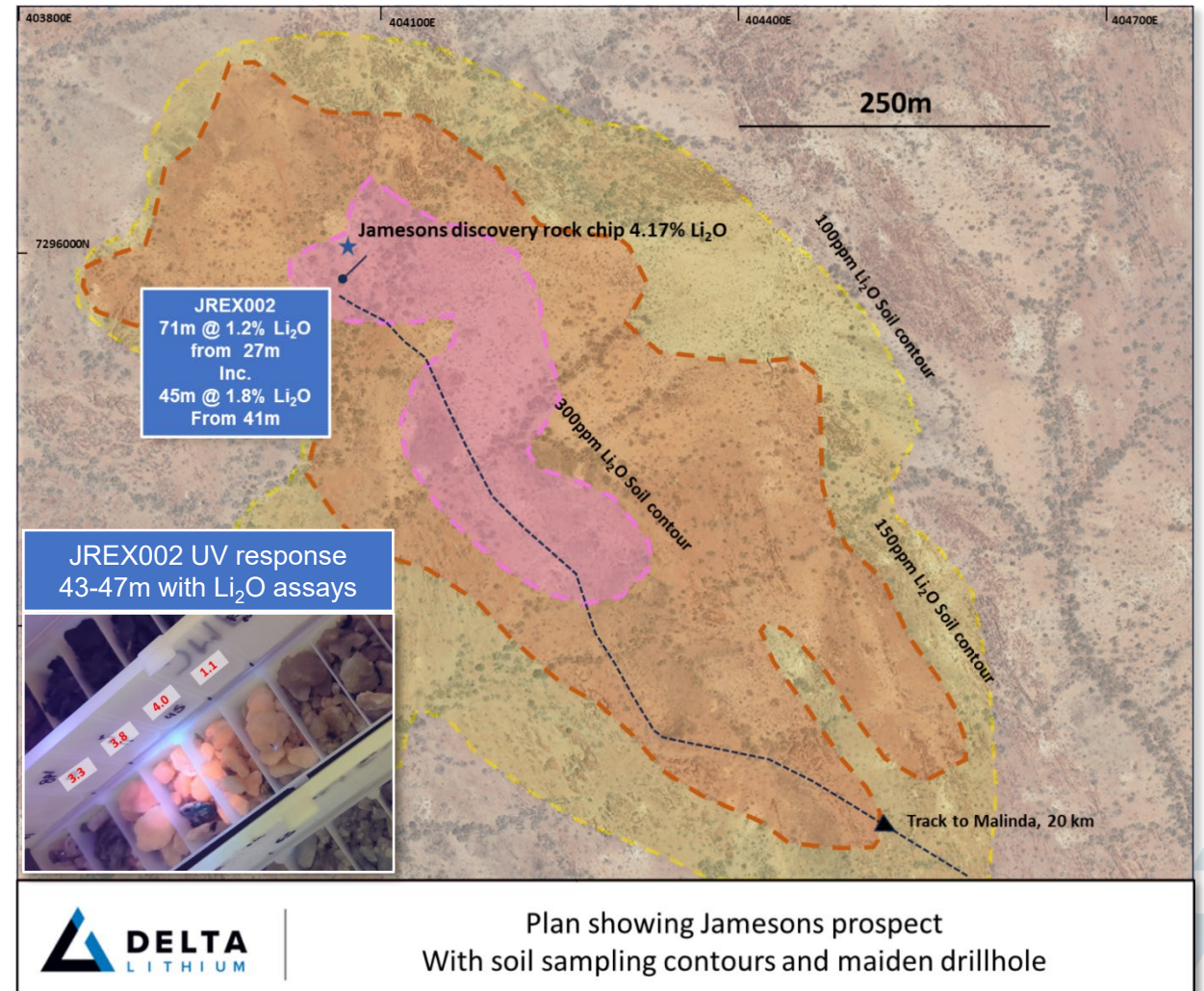
- ▶ 25% of total resource is *Indicated* category mainly in near-surface areas
 - ▶ Aiming for resource update/upgrade CY2024
- ▶ Scoping Study at Malinda commencing
- ▶ Metallurgical & Geotechnical diamond drilling underway
- ▶ Mining Licence application at Malinda underway



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

YINNETHARRA – JAMESON PROSPECT

- ▶ New Discovery 20km west of Malinda
- ▶ 600m x 150m Geochem lithium anomaly with rockchips up to 4.17% Li_2O
- ▶ Jameson drilling commenced late March
- ▶ First hole returned from the laboratory:
 - 71m @ 1.2% Li_2O ¹ from 27m in JREX002 including 45m @ 1.8% Li_2O from 41m²
- ▶ Some of the coarsest spodumene seen to date at Yinnetharra
- ▶ Ongoing RC drilling is underway
- ▶ Targeting a maiden MRE at Jameson CY2024



1. Refer to ASX announcement 27 April 2024 "Company Update and First Results from Jameson"
2. Drilling intercept is drill width not true width. True width and orientations are not currently known.

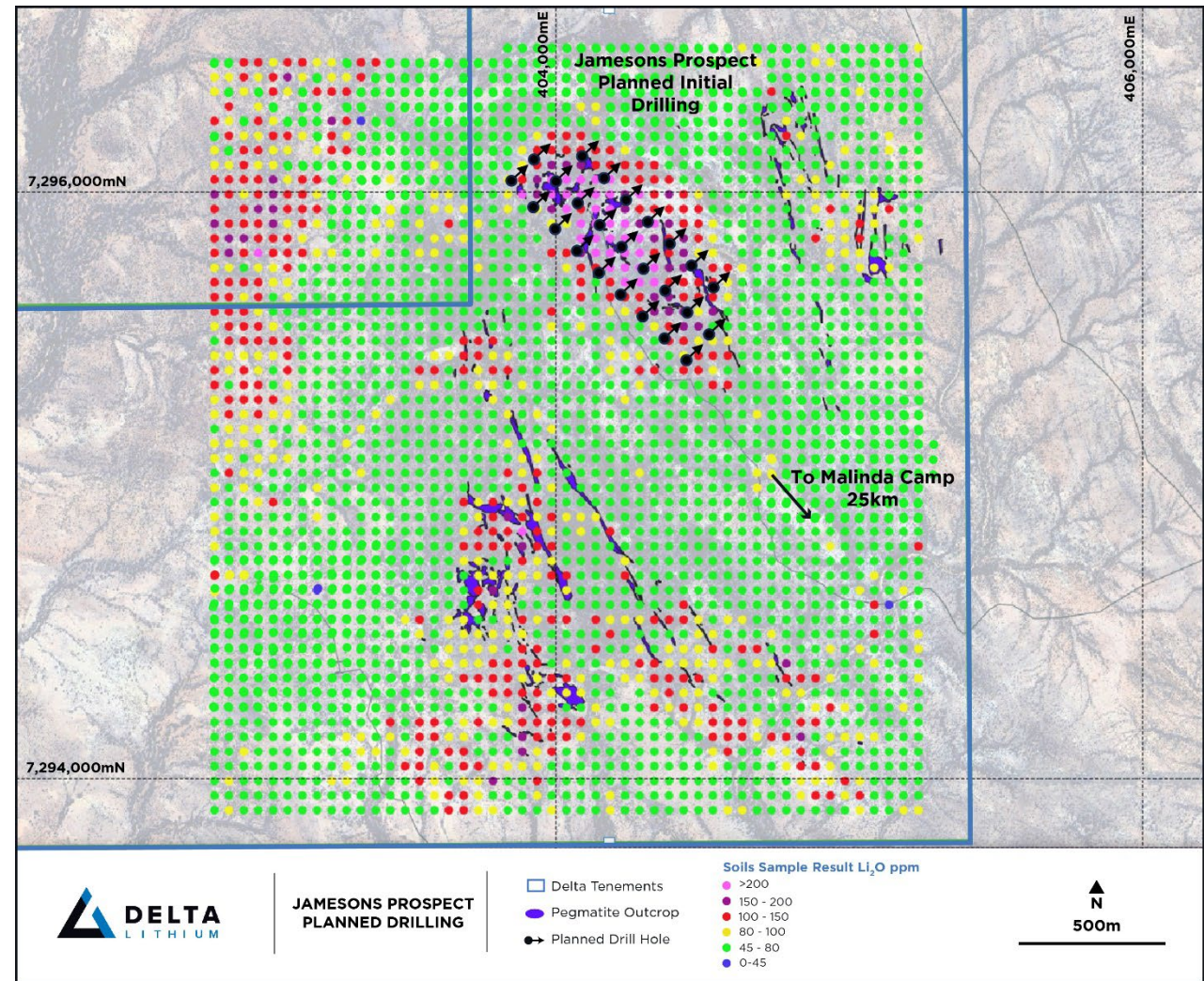
YINNETHARRA LITHIUM PROJECT

Upcoming Exploration Program

- ▶ CY2024 drilling program +150,000m planned
- ▶ Resource definition, step-out and regional drilling of Prospects
- ▶ Regional field work including soil sampling and mapping to ID new Prospects
- ▶ Scheduled Heritage, flora and fauna surveys
- ▶ Hydrogeology, water drilling



Colum O'Leary (Senior Geologist) at Jameson, March 2024



MT IDA LITHIUM PROJECT

VALUE CREATION IN THE GOLDFIELDS



MT IDA LITHIUM PROJECT

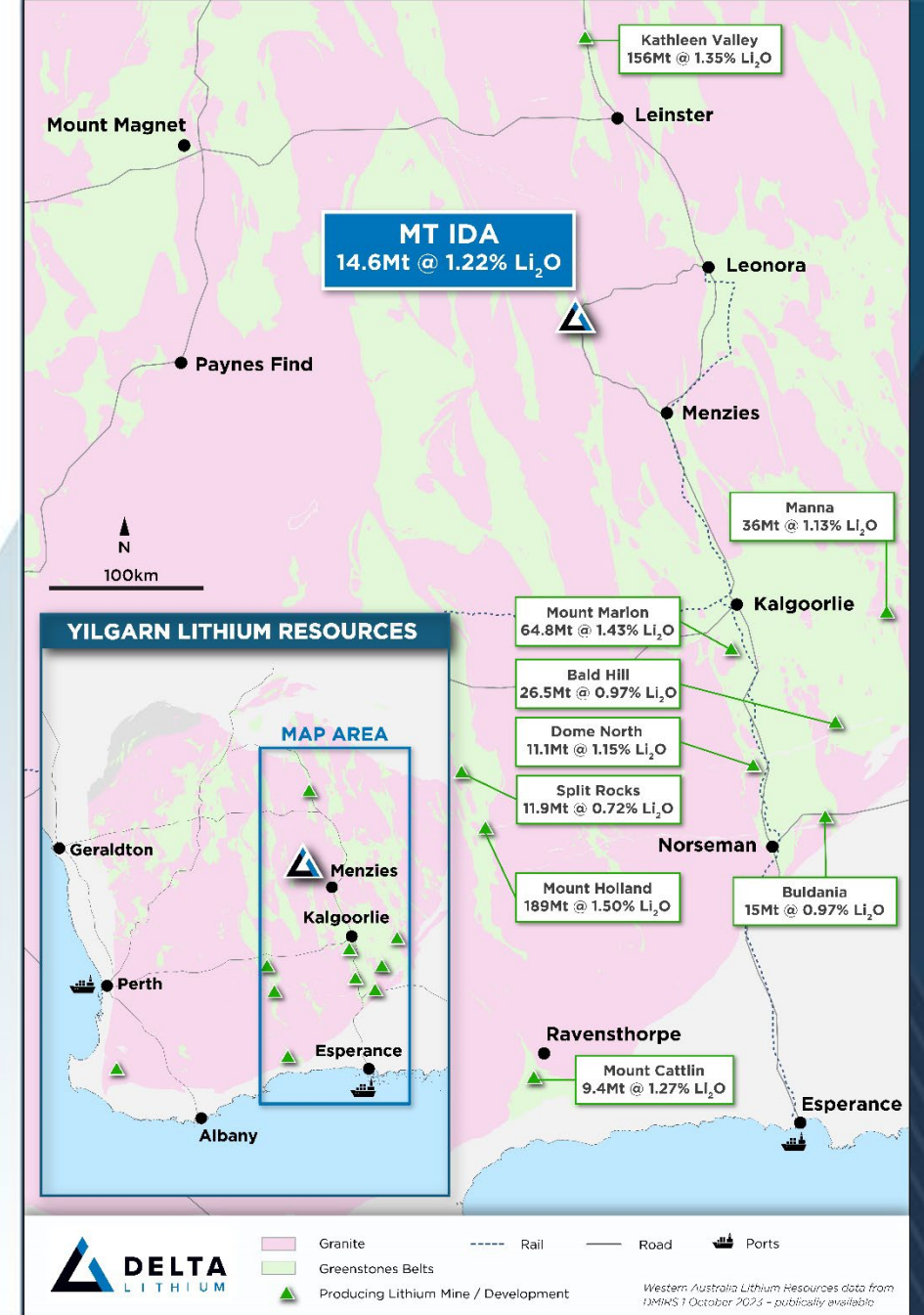
- ▶ Updated JORC Lithium MRE at Mt Ida

14.6Mt @ 1.2% Li₂O (at a 0.5% Li₂O cut off)¹

	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)
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

- ▶ Drilling completed 1,000+ holes for 200,000m+
- ▶ 100% owned Mining Leases
- ▶ Immediate production potential and Target LOM >10years
- ▶ Strategic geographical position in Goldfields corridor
- ▶ proximal gold resource of 412,000oz

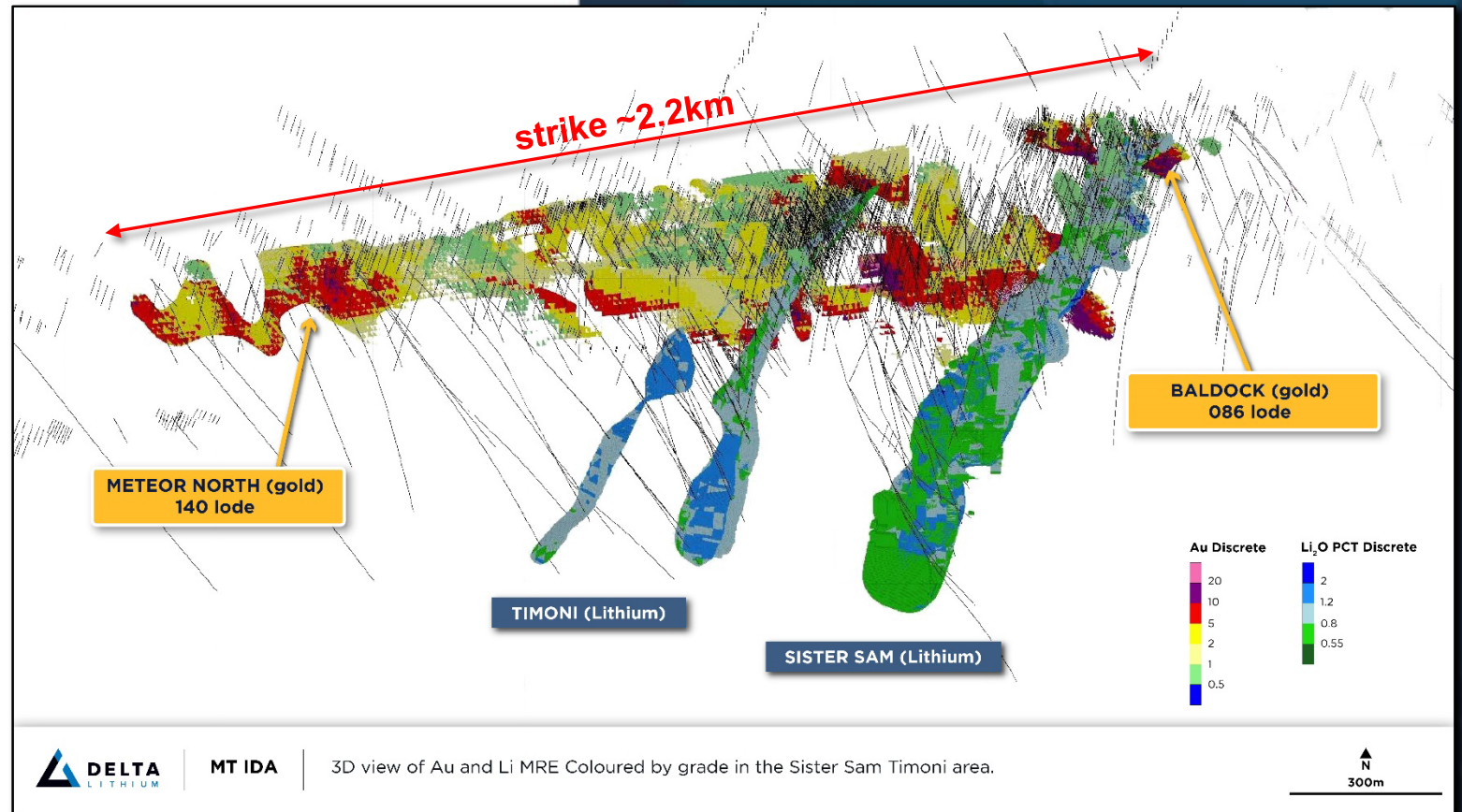
¹ Refer to ASX Announcement 3 Oct 2023 "Mt Ida Lithium Project Mineral Resource Estimate upgrade"



MT IDA LITHIUM PROJECT

Unique Deposit Geology

- ▶ Two JORC resources in close proximity
- ▶ Mining Approval granted for Phase 1 Sister Sam/086 Lode open pit
- ▶ Phase 2 Mining Application submitted April 2024 to include underground mining
- ▶ Potential to exploit both deposits concurrently
- ▶ Investigate the inclusion of gold into the conceptual mining plan
- ▶ Review options to maximise the value of gold resources



MT IDA GOLD RESOURCE

Exploring the potential of a proven gold district

- ▶ Maiden JORC Gold MRE for Delta at Mt Ida

3.1Mt @ 4.1g/t Au (at various cut off)¹

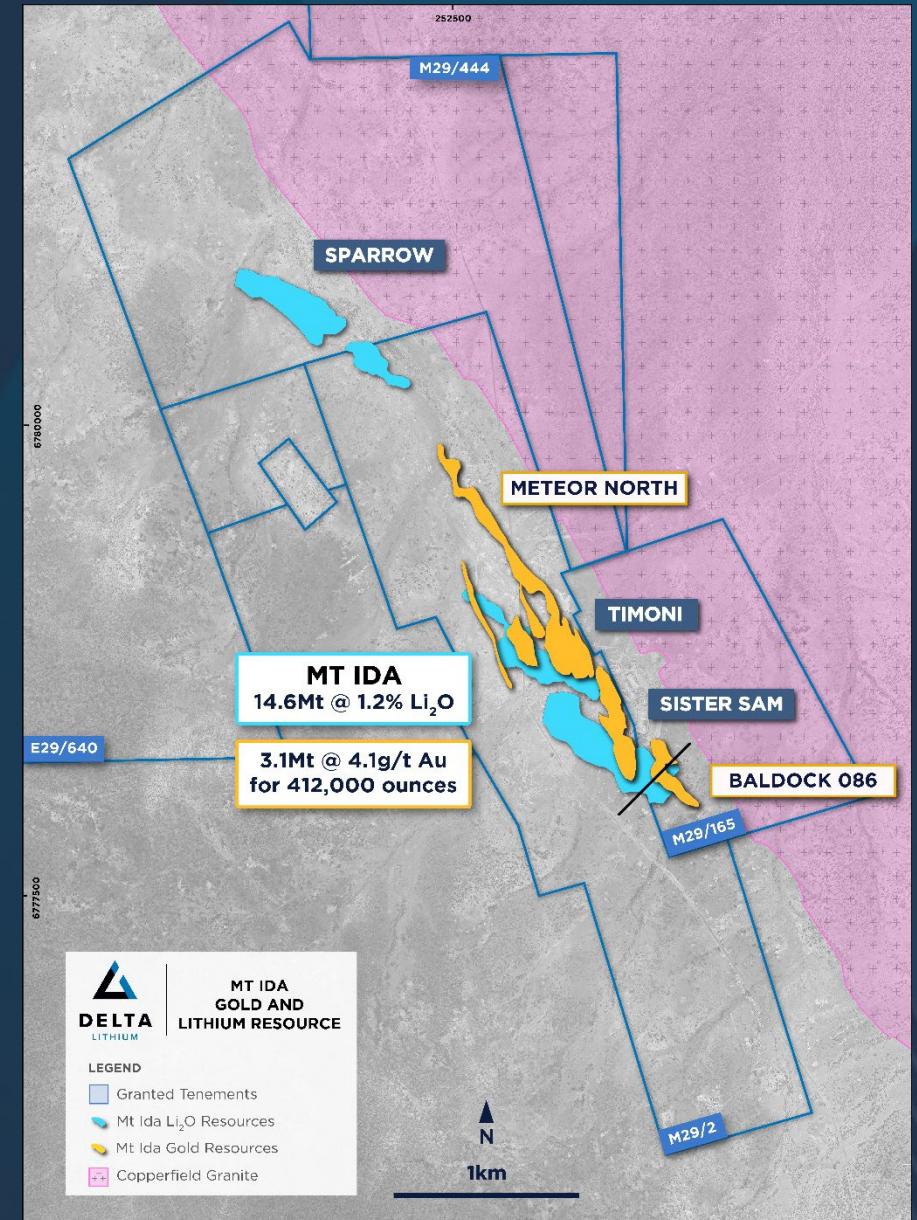
Cut-off	Prospect	Category	Tonnes	Grade	Metal
Au g/t			Mt	Au g/t	Au koz
0.5 Open Pit 1.5 Underground	Combined	Indicated	1.12	5.7	206
		Inferred	1.97	3.2	206
		Total	3.10	4.1	412

- ▶ Includes high-grade shallow resources:

Baldock 086 0.24Mt @ 9g/t Au for 70koz²

Meteor North 140 0.6Mt @ 4.7g/t Au for 91koz²

- ▶ 50% of the gold in Indicated Resources
- ▶ 100% of the gold within granted Mining Leases
- ▶ Sister Sam Open Pit is "Shovel Ready" with very good Au metallurgy
- ▶ Large proportion of the gold is located proximal to the lithium resources



^{1,2} Refer to ASX Announcement 11 Oct 2023 "Mt Ida Maiden Gold Mineral Resource Estimate"



“WE ARE THE DIFFERENCE”

Premium Locations
Hardrock Lithium Capital of the World



Our Team
Results driven with proven hardrock lithium experience



Yinnetharra
Maiden JORC Lithium resource 25.7Mt @ 1.0% Li₂O
Tier one potential with Dominant Landholding under-explored
New Discovery at Jameson



Mt Ida
JORC Lithium resource 14.6 Mt @ 1.2% Li₂O
JORC Gold resource 3.1Mt @ 4.1g/t Au
Mining Approval granted



Major Shareholders
Proven hardrock lithium partners



Upcoming Catalysts
Exploration results incoming and JORC resource updates
Mining and metallurgy studies progressing
Bluesky upside via Gold



GROUP MINERAL RESOURCE ESTIMATES

Group Mineral Resource estimate - Lithium						
	Resource category	Cut-off grade (Li ₂ O%)	Li ₂ O		Li ₂ O (Kt)	Ta ₂ O ₅ Grade (Ta ₂ O ₅ ppm)
			Tonnes (Mt)	Grade (% Li ₂ O)		
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"
Refer to announcement 3 October 2023 "Mt Ida Lithium Project Mineral Resource Estimate upgrade"

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"