

DECEMBER QUARTERLY ACTIVITIES REPORT

Delta Lithium Limited (ASX: DLI) (“Delta” or the “Company”) is pleased to provide the following report on activities undertaken during the December Quarter, 2023.

December Quarter Highlights

- A **maiden Mineral Resource Estimate (MRE)** at the Yinnetharra Lithium Project was announced¹:
 - combined Inferred and Indicated MRE of **25.7Mt @ 1.0% Li₂O** (at a 0.5% Li₂O cut off),
 - 26% of the MRE in higher confidence Indicated category: 6.7Mt @ 1.0% Li₂O,
- This MRE has been defined from only the Malinda prospect, which is the only prospect to have been drilled to date at Yinnetharra.
- The Mt Ida Lithium Project received approval from DEMIRS for the Mining Proposal and Mine Closure Plan for Phase 1 open pit mining operations in line with prior expectations.²
- Increased Mt Ida Lithium Mineral Resource Estimate (MRE) announced:
 - Inferred and Indicated increased to **14.6Mt @ 1.2% Li₂O³**,
 - **136%** increase in Indicated Mineral Resources to **7.8Mt @ 1.3 % Li₂O²**,
 - Increase in the contained lithium positions Delta for a potential 10 year plus mining operation².
- Additionally, a co-located gold MRE of **3.1Mt @ 4.1g/t Au for 412,000 ounces** was defined⁴, providing an opportunity for early cash flow from a potential sale or toll treatment of gold resources.
- Delta’s global MRE is now **40.4Mt @ 1.1% Li₂O** across both projects (at a 0.5% Li₂O cut off)
- A binding agreement was executed with Dalaroo Metals Ltd (ASX: DAL) to purchase the LCT (lithium, caesium and tantalum) Mineral Rights over its Lyons River Project close to the Yinnetharra Project area.⁵
- An Accelerated Non-Renounceable Entitlement Offer was announced on 13 November 2023⁶ and completed on 7 December 2023⁷, providing approximately \$70.2 million to fund upcoming Company activities.
- Cash balance at 31 December 2023 of \$116M

Commenting on the quarter, Managing Director of Delta Lithium, Mr James Croser said:

“The final quarter of 2023 saw the achievement of multiple important milestones for the Delta team. An upgraded MRE at Mt Ida and the declaration of maiden MRE’s for both Yinnetharra and gold at Mt Ida have all been delivered on schedule. I’m incredibly proud of the speed and skill demonstrated by our team to hit these targets, especially the MRE at Yinnetharra which has been achieved in just over 12 months from finalisation of the acquisition.”

¹ Refer announcement entitled “Yinnetharra Lithium Project Maiden Mineral Resource Estimate” 27 December 2023

² Refer announcement entitled “Mt Ida Lithium Project receives Approval of Mining Proposal and Mine Closure Plan” 3 November 2023

³ Refer announcement entitled “Mt Ida Lithium Project Mineral Resource Estimate Upgrade” 3 October 2023

⁴ Refer announcement entitled “Mt Ida Maiden Gold Mineral Resource Estimate” 11 October 2023

⁵ Refer announcement entitled “Delta acquires LCT Mineral Rights at the Lyons River Project” 1 December 2023

⁶ Refer announcement entitled “Delta to raise ~A\$70 million via fully underwritten ANREO” 13 November 2023

⁷ Refer announcement entitled “Successful Completion of Retail Component of Entitlement Offer” 7 December 2023

The persistent downtrend and current weak lithium market pricing has given us cause to reassess our capital allocations. Delta is committed to prudent capital management and we will look to prioritise Yinnetharra exploration with a view to growing confidence in our larger asset while we consider development options for Mt Ida.

The Company is planning for success and actively looking for growth opportunities, and we are confident that 2024 will continue to deliver exciting progress for Delta Lithium.”

YINNETHARRA LITHIUM PROJECT

Exploration and Resource Development

On 27 December 2023, the Company released a maiden Mineral Resource Estimate for the Yinnetharra Lithium Project located in the Gascoyne Lithium Province of Western Australia. An initial maiden resource of **25.7Mt @ 1.0% Li₂O** at a cut-off grade of 0.5% Li₂O has been defined solely from the Malinda Prospect. The potential scale of the total Yinnetharra Project is self-evident when considering multiple untested outcropping LCT pegmatites in the region that are planned for drill testing in the future.

Table 1: Mineral Resource Estimate for Yinnetharra Lithium Project.

Yinnetharra Lithium December 2023						
	Resource category	Cut-off grade (Li ₂ O%)	Li ₂ O		Li ₂ O (Kt)	Ta ₂ O ₅ Grade (ppm Ta ₂ O ₅)
			Tonnes (Mt)	Grade (% Li ₂ O)		
M1	Measured	0.5	-	-	-	
	Indicated		4.5	1.1	48	45
	Inferred		11.5	1.0	110	48
	Total Resource		16.0	1.0	158	47
M36	Measured	0.5				
	Indicated		1.6	0.7	11	46
	Inferred		3.4	1.0	35	84
	Total Resource		5.0	0.9	46	71
M42	Measured	0.5				
	Indicated					
	Inferred		0.4	0.7	3	146
	Total Resource		0.4	0.7	3	146
M47	Measured	0.5				
	Indicated		0.6	1.0	6	99
	Inferred		2.7	0.9	25	111
	Total Resource		3.3	0.9	31	108
M69	Measured	0.5				
	Indicated					
	Inferred		0.8	0.9	7	76
	Total Resource		0.8	0.9	7	76
Total Measured			-	-	-	
Total Indicated			6.7	1.0	65	51
Total Inferred			19.0	1.0	181	67
Total			25.7	1.0	246	62

Notes:

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

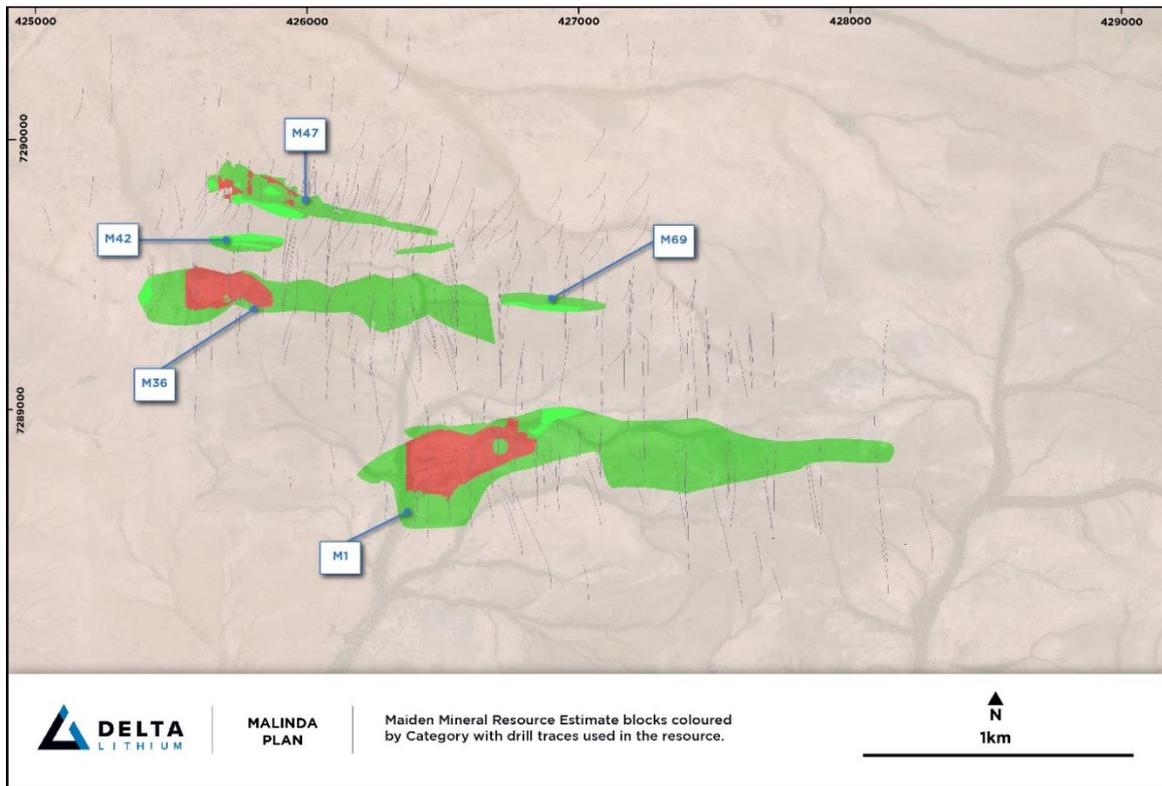


Figure 1 1 Plan of drillholes and classified block models at Yinnetharra with Indicated (RED) and Inferred (GREEN) Mineral Resource categories.

The rapid definition and delivery of this MRE in just over 12 months from acquisition paves the way for subsequent development activities for the project to commence. Exploration remains ongoing with soil sampling, rock chip sampling and mapping throughout the wider Yinnetharra project area.

Permitting activities and baseline environmental studies and an enhanced drill program will all proceed in parallel beginning in the new year.

Significant drill results received during the December quarter from drilling at Yinnetharra included;

- 68.9m @ 1% Li₂O from 128m in YDRD018
- 47.3m @ 1.3% Li₂O from 82.6m in YDRD011
- 44m @ 0.84% Li₂O from 3m in YDRD249
- 18.5m @ 1.1% Li₂O from 64.8m in YDRD014
- 25.5m @ 0.8% Li₂O from 38m in YDRD015
- 10m @ 1.3% Li₂O from 256m in YRRD227
- 27.9m @ 1.1% Li₂O from 158m in YDRD017
- 21.0m @ 1.2% Li₂O from 165m in YRRD260

Jamesons Tenement

The tenement application over E09/2621 being the Jamesons prospect was granted during the quarter. Cultural heritage surveys are scheduled to be conducted late in 1Q2024 with drilling expected to commence immediately thereafter.

Soil sampling and mapping at Yinnetharra has been ongoing for some time with the ultimate objective of evolving our understanding of all Delta tenures and generate a flow of new lithium prospects in our exploration pipeline. Soil sampling so far has defined good coherent lithium anomalies at Jamesons, Calypso East and Malinda South. These targets will be drilled once heritage clearances are received for these specific areas.

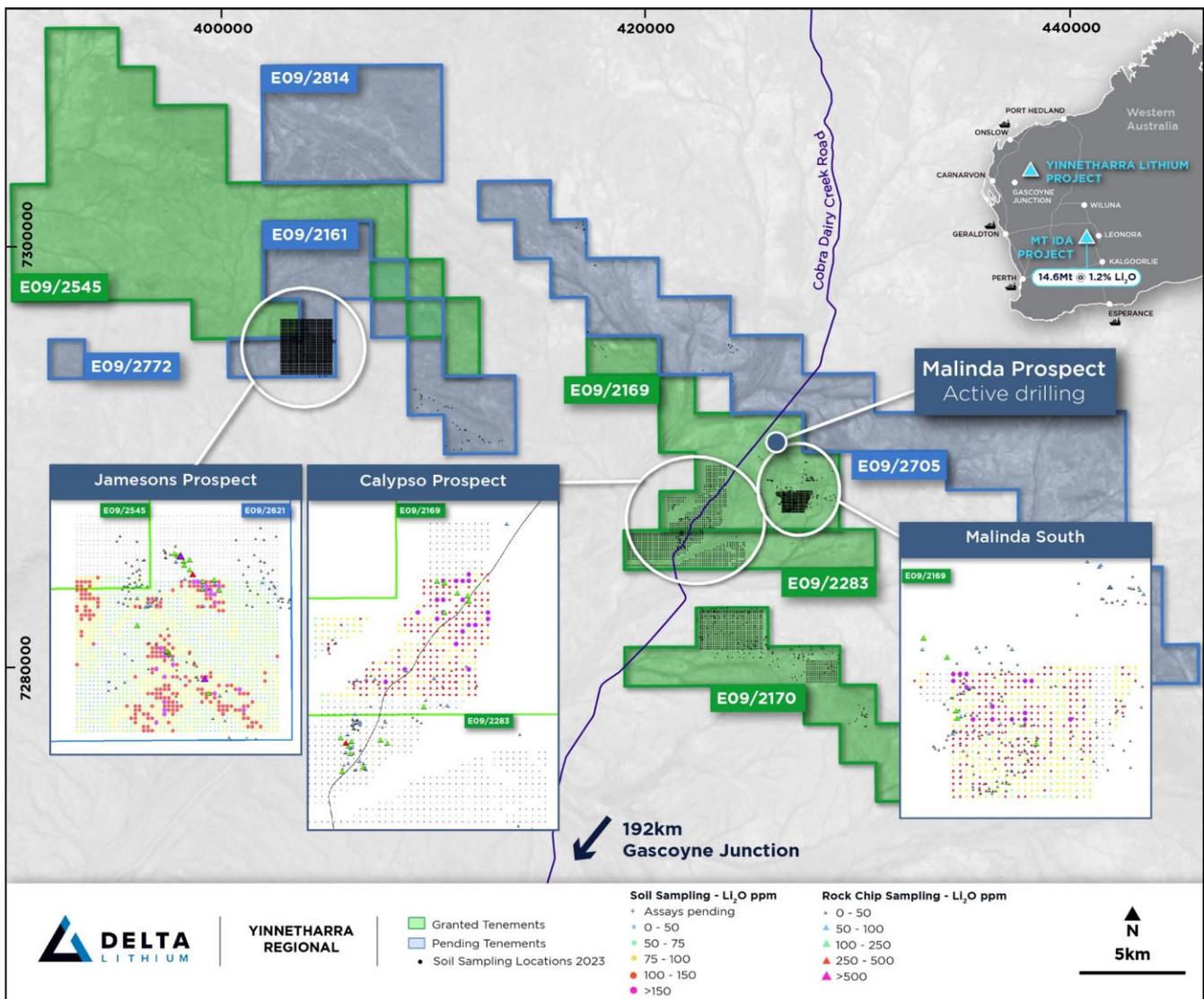


Figure 2 Jamesons, Calypso East and Malinda South Li soil anomalies

MT IDA LITHIUM PROJECT

Approval of Mining Proposal and Mine Closure Plan

The Company passed a significant milestone during the December quarter, receiving approval from the WA Department of Energy, Mines, Industry, Regulations and Safety (DEMIRS) for Phase 1 open pit mining operations at Mt Ida.

The Mining Approval of open pit mining now positions the Company to take full advantage of the opportunity to exploit any shallow gold resources that is adjacent to the lithium resource. At this stage of the price cycle it is not feasible to commence DSO lithium mining as previously announced. The Company maintains the optionality to do so and will continually assess lithium market conditions in this regard.

Detailed technical work is ongoing based on the recent Lithium MRE update and the maiden Gold MRE announced by the Company.

Exploration and Resource Development

The Mt Ida Lithium Project updated and upgraded the Mineral Resource Estimate to **14.6Mt @ 1.2% Li₂O** in October 2023. The Company is pleased with this result, which importantly include a 136% increase in Indicated Mineral Resources to 7.8Mt @ 1.3 % Li₂O.

Table 22: Mineral Resource Estimate for Mt Ida Lithium Project.

Mt Ida Lithium September 2023						
	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)		
Sparrow	Measured	0.55	-	-	-	-
	Indicated		1.3	1.0	14	189
	Inferred		1.2	0.9	11	144
	Total Resource		2.5	1.0	25	167
Timoni	Measured	0.55	-	-	-	-
	Indicated		1.5	1.2	18	206
	Inferred		1.3	1.1	14	156
	Total Resource		2.7	1.2	32	183
Sister Sam	Measured	0.55	-	-	-	-
	Indicated		5.0	1.4	72	238
	Inferred		4.3	1.2	50	156
	Total Resource		9.3	1.3	123	200
Total Measured			-	-	-	-
Total Indicated			7.8	1.3	104	224
Total Inferred			6.8	1.1	76	154
Total			14.6	1.2	180	191

Notes:

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

In addition to the lithium MRE upgrade, Delta released a maiden Inferred and Indicated Mineral Resource Estimate for gold at Mt Ida of 3.1Mt @ 4.1g/t Au for 412,000 ounces. It is worth noting that 50% of the gold MRE is in the higher confidence Indicated Resource category and approximately 85% of the gold MRE is co-located adjacent to the defined lithium MRE. This proximity potentially de-risks the development of Mt Ida by generating early cash flow via sale or toll treatment of high grade, shallow gold resources for minimal incremental cost.

This maiden MRE includes two shallow high-grade discoveries, the Baldock 086 lode and the Meteor North 140 lode.

Baldock 086

High-grade shallow gold resource of **0.24Mt @ 9g/t Au for 70koz** potentially amenable to open pit mining and in close proximity to the top of the Sister Sam lithium resource.

Meteor North 140

High-grade shallow gold resource located just north along strike from the Timoni lithium resource of **0.6Mt @ 4.7g/t Au for 91koz**, also with potential to mine via open pit.

Table 3: Mt Ida Lithium Project; global gold Mineral Resource.

Cut-off	Prospect	Classification	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

The Company is considering multiple options to realise value from the gold resources at Mt Ida.

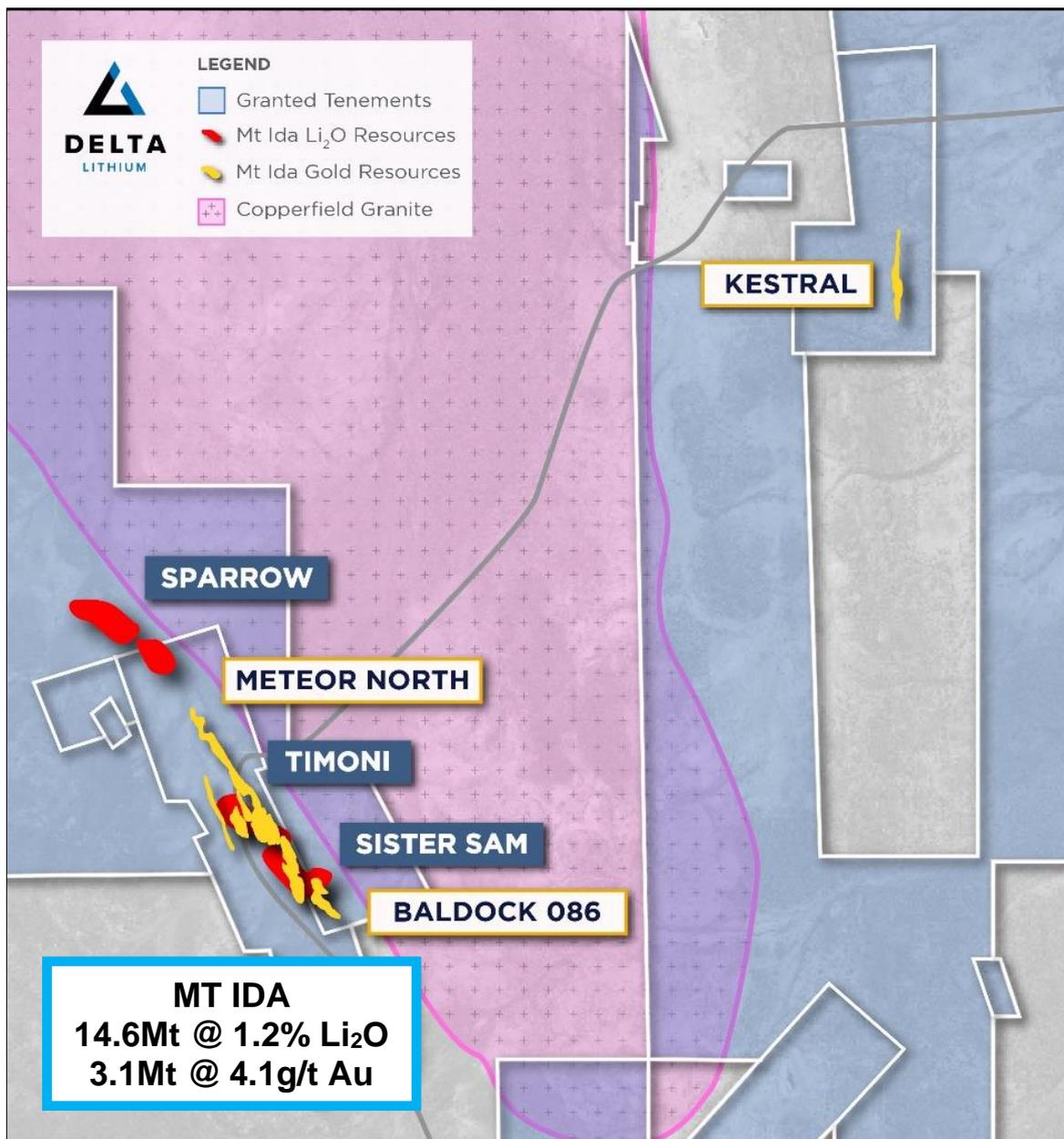


Figure 3: Plan view for gold Mineral Resources location at the Mt Ida Lithium Project

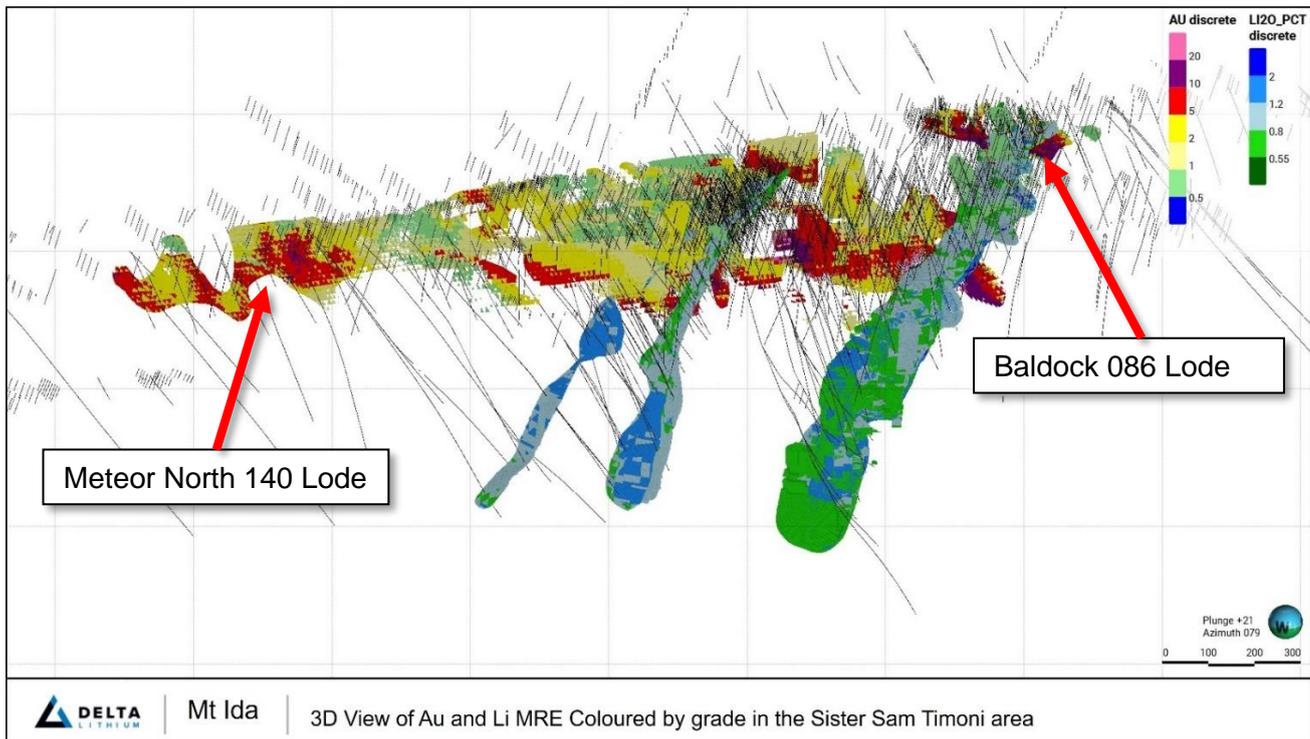


Figure 4: Oblique 3D view of drillholes and gold block models and Li block models at Mt Ida coloured by grade

Drilling results received from the Mt Ida Lithium Project during the quarter included;

- 12m @ 1.6% Li₂O from 203m in SPRD051
- 11m @ 1.52% Li₂O from 92m in GCS0030
- 11m @ 1.3% Li₂O from 75.7m in IDR197
- 7m @ 1.1% Li₂O from 35m in AURD010

And also more high-grade Gold:

- 4m @ 41.2 g/t Au from 79m in GCS0068
- 11m @ 7.3 g/t Au from 68m in GCS0049
- 5m @ 12 g/t Au from 66m in GCS0047
- 3m @ 17.3 g/t from 71m in GCS0051

CORPORATE

Accelerated Non-Renounceable Entitlement Offer

An Accelerated Non-Renounceable Entitlement Offer was announced on 13 November 2023 and completed on 7 December 2023, raising approximately \$70.2 million before costs. The capital raising leaves the Company well funded to execute its future work programs.

The New Shares subscribed for pursuant to the Retail Entitlement Offer were allotted and issued on Monday 11 December 2023.

Binding agreement with Dalaroo Metals Ltd

In December of 2023, the Company entered a Binding agreement with Dalaroo Metals Ltd (ASX: DAL) to purchase the LCT (lithium, caesium and tantalum) Mineral Rights over its Lyons River Project in the Gascoyne region of Western Australia.

The Lyons River Project tenements cover 838 km² and is located to the southwest of Delta’s existing Yinnetharra Project. The geology contains similar granite intrusives and sediment-mafic packages that host the significant Li₂O mineralisation at Yinnetharra. As a result of this transaction, Delta’s lithium footprint in the emerging Gascoyne lithium province has increased by 161% to 1,356 km². These tenements have previously shown early encouraging signs with mapped pegmatite swarms and lithium in soil anomalies up to 334 ppm Li₂O.

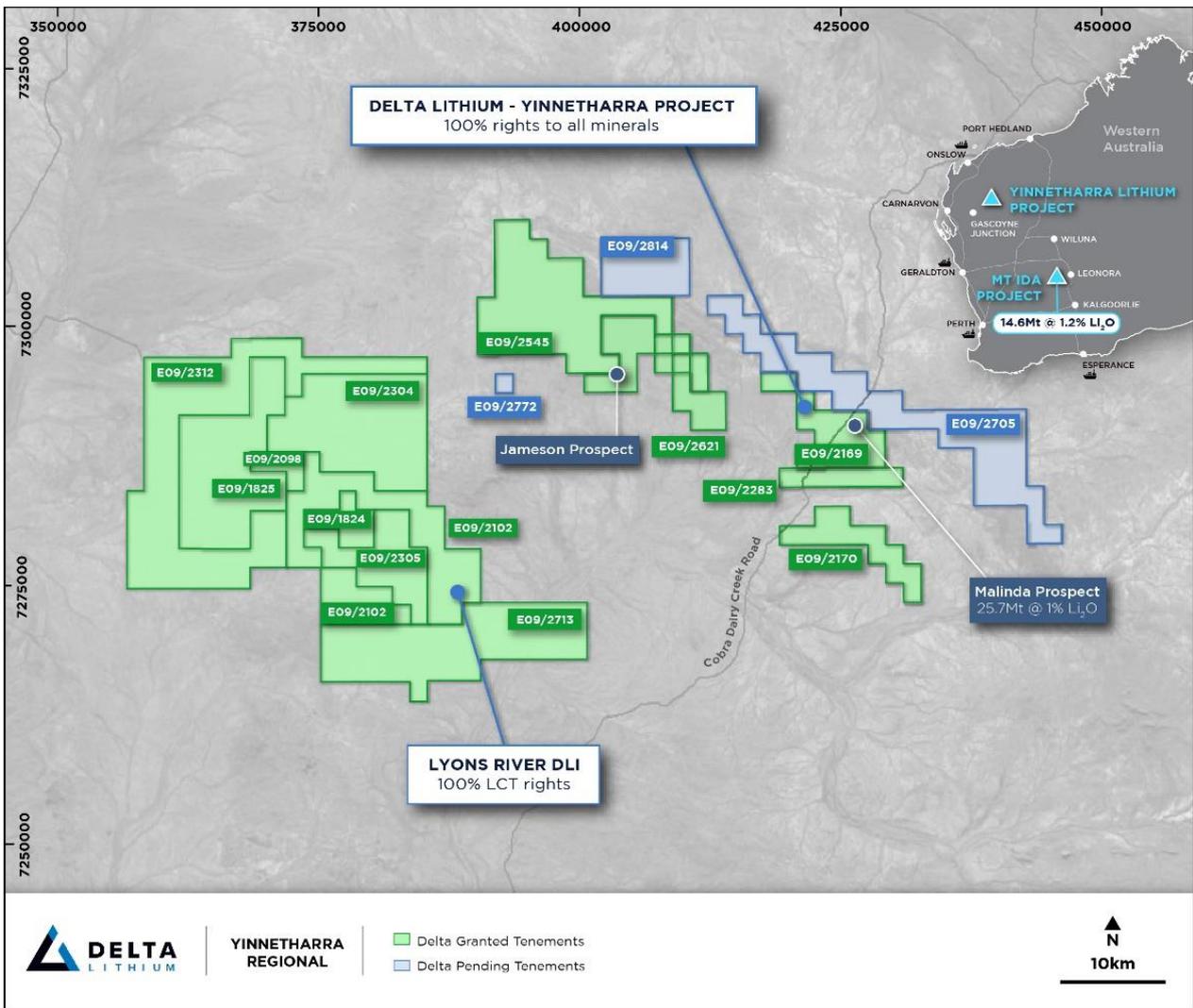


Figure 2.5 Plan showing location of Yinnetharra Project.

Early exploration activities are planned for the DAL tenure alongside continued exploration at Yinnetharra in the first quarter of 2024.

Lithium marketing and business development

During the quarter the Company continued to engage with potential offtake partners and the broader global lithium supply chain.

ASX Compliance

For the purpose of Listing Rule 5.3.2, the Company confirms that there were no mining production and development activities during the quarter by the Company or its subsidiaries.

In accordance with section 6 of the Appendix 5B, the Company advises that \$205k was paid to related parties of the entity and their associates during the quarter, including Executive and Non-Executive Director fees.

Release authorised by the Board of Delta Lithium Limited.

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About Delta Lithium

Delta Lithium (ASX: DLI) is an exploration and development company focused on bringing high-quality, lithium-bearing pegmatite deposits, located in Western Australia, into production. With current global JORC compliant resources of 40.4Mt@1.1%Li₂O, strong balance sheet and an experienced team driving the exploration and development workstreams, Delta Lithium is rapidly advancing its Lithium Projects. The Mt Ida Lithium Project holds a critical advantage over other lithium developers with existing Mining Leases and an approved Mining Proposal. Delta Lithium is pursuing a development pathway to unlock maximum value for shareholders.

Delta Lithium also holds the highly prospective Yinnetharra Lithium Project that is already showing signs of becoming one of Australia's most exciting lithium regions. The Company is currently recommencing exploration activities at Yinnetharra after the Christmas break, and an extensive multi-rig campaign will be ongoing throughout 2024 to test additional targets and build on the Maiden Resource released in December 2023.

Competent Person's Statement

Information in this Announcement 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 Lithium Limited and consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Refer to www.deltalithium.com.au for past ASX announcements.

Past Exploration results and Mineral Resource Estimates reported in this announcement have been previously prepared and disclosed by Delta Lithium in accordance with JORC 2012. 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 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 details on past exploration results and Mineral Resource Estimates.

Disclaimer

This release may include forward-looking and aspirational statements. These statements are based on Delta Lithium management's expectations and beliefs concerning future events as of the time of the release of this announcement. Forward-looking and aspirational statements are necessarily subject to risks, uncertainties and other factors, some of which are outside the control of Delta Lithium, which could cause actual results to differ materially from such statements. Delta Lithium makes no undertaking to subsequently update or revise the forward looking or aspirational statements made in this release to reflect events or circumstances after the date of this release, except as required by applicable laws and the ASX Listing

Appendix 1 – Tenement Listing

Project	Location	Tenement	Status	Interest at start of Quarter	Interest at end of Quarter
Eureka	Western Australia	L24/0234	Granted	100%	100%
Eureka	Western Australia	M24/0189	Granted	100%	100%
Eureka	Western Australia	M24/0584	Granted	100%	100%
Eureka	Western Australia	M24/0585	Granted	100%	100%
Eureka	Western Australia	M24/0586	Granted	100%	100%
Eureka	Western Australia	P24/5116	Granted	100%	100%
Eureka	Western Australia	P24/5548	Granted	100%	100%
Eureka	Western Australia	P24/5549	Granted	100%	100%
Lockeridge	Western Australia	E69/3871	Surrendered	100%	0%
Mt Ida	Western Australia	E29/0640	Granted	100%	100%
Mt Ida	Western Australia	E29/0771	Granted	100%	100%
Mt Ida	Western Australia	E29/0895	Granted	100%	100%
Mt Ida	Western Australia	E29/0944	Granted	100%	100%
Mt Ida	Western Australia	E29/0964	Granted	100%	100%
Mt Ida	Western Australia	E29/1238	Application	100%	100%
Mt Ida	Western Australia	E29/1239	Application	100%	100%
Mt Ida	Western Australia	E29/1240	Application	100%	100%
Mt Ida	Western Australia	M29/0002	Granted	100%	100%
Mt Ida	Western Australia	M29/0094	Granted	100%	100%
Mt Ida	Western Australia	M29/0165	Granted	100%	100%
Mt Ida	Western Australia	M29/0422	Granted	100%	100%
Mt Ida	Western Australia	M29/0429	Granted	100%	100%
Mt Ida	Western Australia	M29/0444	Application	100%	100%
Mt Ida	Western Australia	P29/2394	Granted	100%	100%
Mt Ida	Western Australia	P29/2397	Granted	100%	100%
Mt Ida	Western Australia	P29/2398	Granted	100%	100%
Mt Ida	Western Australia	P29/2399	Granted	100%	100%
Mt Ida	Western Australia	P29/2400	Granted	100%	100%
Mt Ida	Western Australia	P29/2401	Granted	100%	100%
Mt Ida	Western Australia	P29/2402	Granted	100%	100%
Mt Ida	Western Australia	P29/2403	Granted	100%	100%
Mt Ida	Western Australia	P29/2404	Granted	100%	100%
Mt Ida	Western Australia	P29/2405	Granted	100%	100%
Mt Ida	Western Australia	P29/2406	Granted	100%	100%
Mt Ida	Western Australia	P29/2407	Granted	100%	100%
Mt Ida	Western Australia	P29/2487	Granted	100%	100%
Mt Ida	Western Australia	P29/2529	Granted	100%	100%
Mt Ida	Western Australia	P29/2666	Granted	100%	100%
Mt Ida	Western Australia	P29/2667	Granted	100%	100%
Mt Ida	Western Australia	P29/2668	Granted	100%	100%
Mt Ida	Western Australia	P29/2669	Granted	100%	100%
Mt Ida	Western Australia	L29/166	Granted	100%	100%
Mt Ida	Western Australia	L29/171	Granted	100%	100%
Mt Ida	Western Australia	L29/186	Application	0%	100%
Mt Ida**	Western Australia	L29/174	Granted	100%	100%
Mt Ida**	Western Australia	L29/175	Granted	100%	100%
Mt Ida**	Western Australia	L29/176	Granted	100%	100%
Mt Ida**	Western Australia	L29/177	Granted	100%	100%
Mt Ida**	Western Australia	L30/094	Granted	100%	100%
Yinnetharra	Western Australia	E09/2169	Granted	100%	100%
Yinnetharra	Western Australia	E09/2170	Granted	100%	100%
Yinnetharra	Western Australia	E09/2283	Granted	100%	100%
Yinnetharra	Western Australia	E09/2545	Granted	100%	100%
Yinnetharra	Western Australia	E09/2621	Granted	100%	100%

Yinnetharra	Western Australia	E09/2705	Application	100%	100%
Yinnetharra	Western Australia	E09/2716	Application	100%	100%
Yinnetharra	Western Australia	E09/2772	Application	100%	100%
Yinnetharra	Western Australia	E09/2806*	Application	100%	100%
Yinnetharra	Western Australia	E09/2808*	Application	100%	100%
Yinnetharra	Western Australia	E09/2814	Application	100%	100%
Lyons River	Western Australia	E09/1824 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/1825 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2098 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2102 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2304 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2305 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2312 ¹	Granted	0%	100%
Lyons River	Western Australia	E09/2713 ¹	Granted	0%	100%

*Application remains in ballot

**Miscellaneous Licences are for the purpose for groundwater search only

¹ 100% LCT (lithium-caesium-tantalum) Mineral Rights only

Changes:

- E69/3871 Earahedy. Surrendered 1 December 2023
- E29/1238, 1239 & 1240 changed to 100% at beginning of Quarter
- L29/186 (GV pipeline access). Applied for in Quarter
- Dalaroo tenements – in list, LCT mineral rights only
- L29/176 & 177 granted during the Quarter
- E09/2621 granted during the Quarter