

LACHLAN STAR LIMITED QUARTERLY ACTIVITIES REPORT

PERIOD ENDED 30 JUNE 2024

Lachlan Star Limited (ASX: LSA, **Lachlan Star** or the **Company**) is pleased to present its activities report for the June 2024 Quarter.

HIGHLIGHTS

- Initial field exploration activities were completed across Lachlan Star's emerging gold and copper projects in the Lachlan Fold Belt, New South Wales.
- Exploration was prioritised at two Projects:
 - the Bauloora North Project, located adjacent to the Bauloora Epithermal Gold Project being actively explored by gold major, Newmont Corporation (ASX: NEM); and
 - the North Cobar Project situated immediately north of Metals Acquisition Limited's (ASX: MAC) CSA Mine.
- Geology and alteration indicators at Bauloora North suggest potential for a low sulphidation epithermal gold system. At North Cobar, strong geophysical indicators present compelling Cobar-style targets.
- Successfully applied for four Exploration Licences, totalling 1,215km², which are strategically located adjacent to Metals Acquisition Limited's CSA Mine and Aurelia Metals Limited's (ASX: AMI) Peak Gold Mine in the Cobar Mining District.

OPERATIONS

NORTH COBAR (100% LSA)

The North Cobar Project lies immediately north of the Cobar mining centre in central New South Wales and straddles the northern extension to the Rookery and Buckwaroon Fault systems, a metalliferous fault network which is associated with several significant gold-base metal mines in the district.

In the June Quarter, the Company completed mapping, rock chip sampling and in-field verification of targets identified from the ground gravity 3D inversion modelling data. Prospective targets (NC1 and NC2) are characterised as discrete gravity anomalies coincident with magnetic features, within an interpreted complex structural corridor. Soil sampling was completed across the priority areas and returned weakly elevated, but coherent, responses of gold, arsenic, antimony (Au, As, Sb) and lead, zinc, silver (Pb, Zn, Ag) coincident with the targeted gravity features (**Figure 1**).

Work completed to date has defined compelling Cobar-style (e.g. CSA Mine, Endeavor) targets, which warrant further investigation to delineate drill targets.

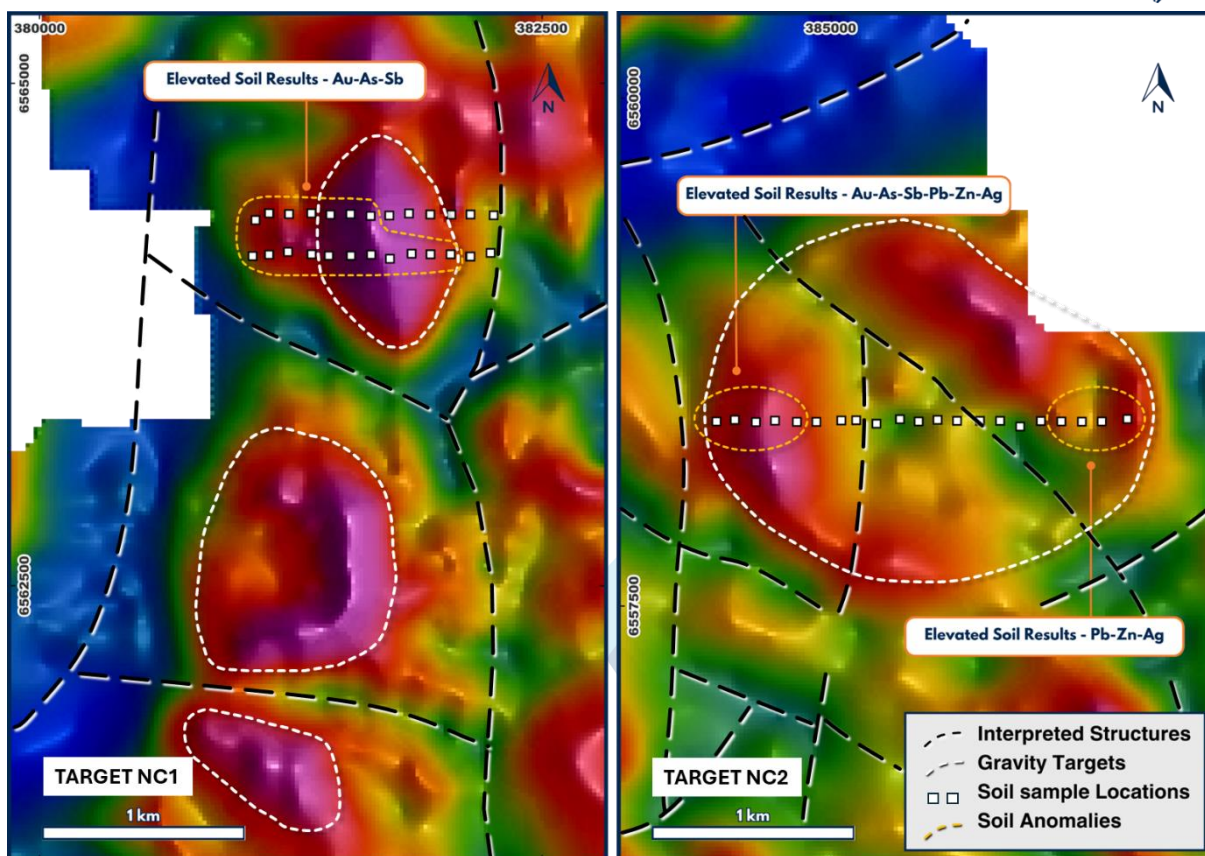


Figure 1 – North Cobar Project (EL9051) and distribution of surface soil sample locations with highlighted geochemical anomalies over key gravity targets. Significant pathfinders returned in soil assays shown.

COBAR 100% LSA EXPLORATION LICENCE APPLICATIONS

Lachlan Star successfully lodged applications for four new Exploration Licences within the highly competitive and endowed Cobar region (**Figure 2**). The four new applications, totalling 1,215 square kilometres, are well located within the central Cobar Basin, sit directly adjacent to existing mines and infrastructure (the CSA Mine and the Peak Gold Mine) and overlie favourable structures and prospective geology.

A mineral systems prospectivity review of the Cobar Basin has highlighted the importance of structure in the emplacement of economic deposits within the region, with the new applications overlaying major faults and fault intersections, interpreted as prospective for hosting significant copper-gold and lead-zinc-silver mineralisation. These priority areas will drive the focus of exploration activity when tenements are granted.

The Cobar region remains a premier location for gold and base metal discovery, with increasing interest by industry peers, underpinned by the acquisition of the CSA Mine in June 2023 by Metals Acquisition Limited for \$1.64 billion.

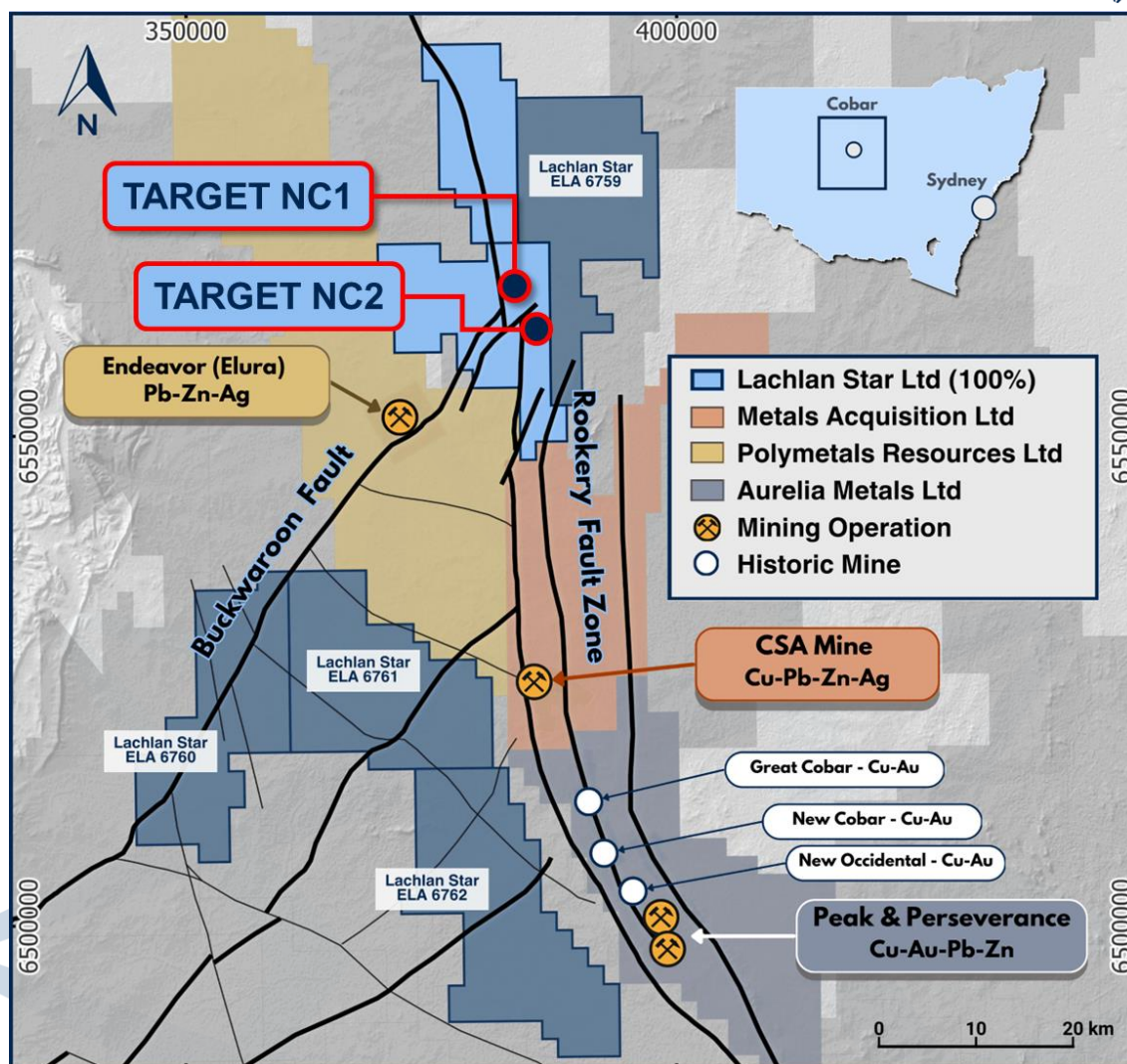


Figure 2 – Location of Lachlan Star’s granted and new Exploration Licence Applications (ELA6759, ELA6760, ELA6761, ELA6762), with Cobar Basin key structural framework and major deposits. Priority targets NC1 and NC2 shown.

BAULOORA NORTH (100% LSA)

At Bauloora North, the Company is exploring for low-sulphidation epithermal gold mineralisation. The project is situated east of the township of Temora in central New South Wales, immediately north and contiguous to ground being actively explored by gold major Newmont Corporation in joint venture with Legacy Minerals Holdings Limited (ASX: LGM), where significant epithermal alteration and veining have been mapped and is interpreted to extend into Lachlan Star’s tenement (**Figure 3**).

The Bauloora North tenement overlies the same geological sequence which hosts mineralisation immediately to the south and is extensively overlain by a thin layer of transported alluvial material. Prior to Lachlan Star’s exploration activities, the project area had not seen any modern systematic exploration.

In the June Quarter, the Company completed reconnaissance mapping and rock chip sampling across the tenure and encouragingly identified extensive areas of significant alteration interpreted to represent the upper, shallow expression of a low sulphidation hydrothermal system. Assay results returned elevated gold-arsenic-antimony (Au-As-Sb) and copper-lead-zinc (Cu-Pb-Zn) coincident with the observed alteration.

Additional fieldwork is planned across these areas of extensive alteration and elevated geochemistry aiming to delineate drill targets.

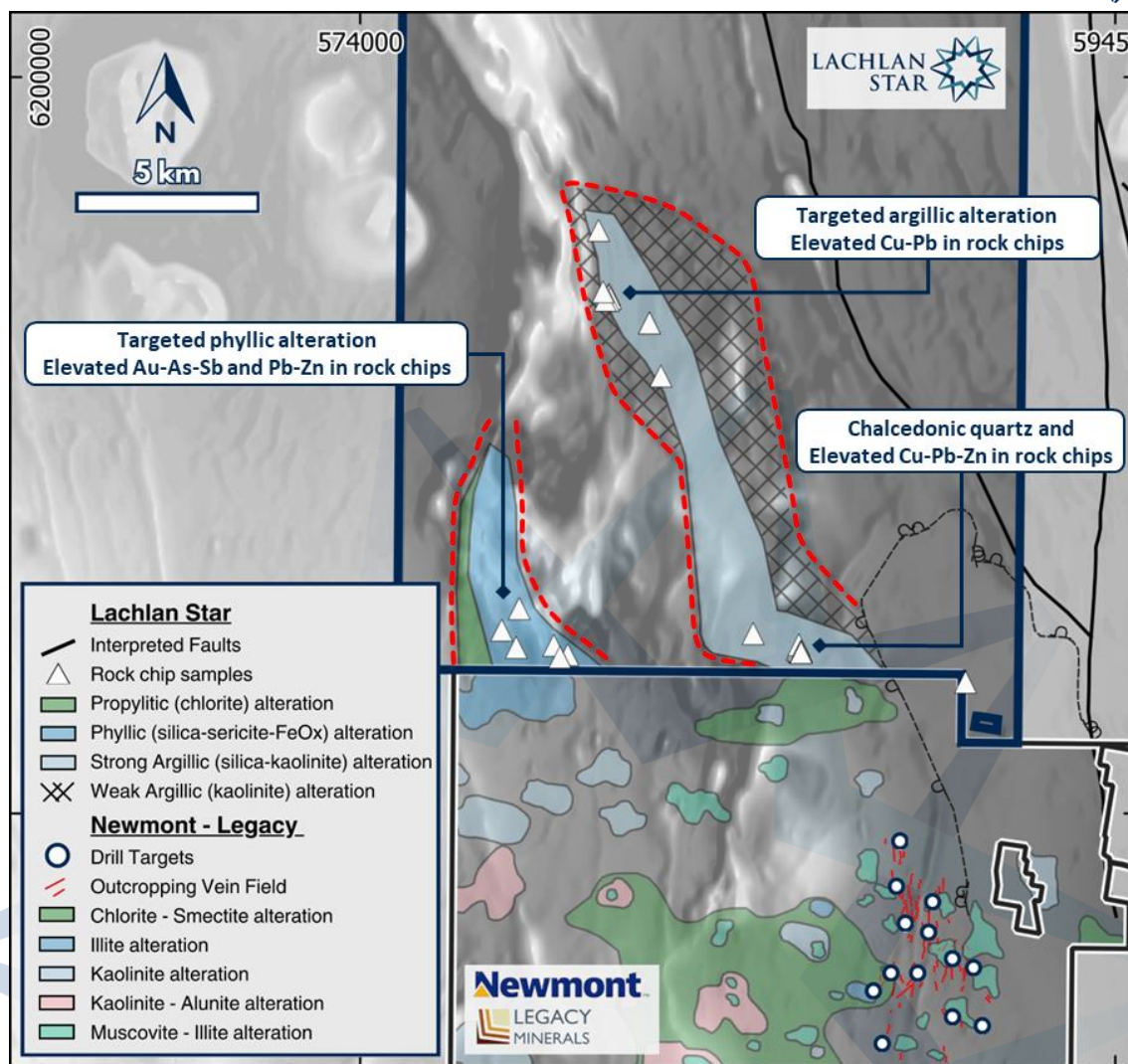


Figure 3 – Location of the Bauloora North Project tenement (EL9448), with significant mapped alteration and geological features over greyscale 1VD RTP magnetics and distribution of rock chip sample locations.

JUNEE (100% LSA)

At the Junee Project, the Company is exploring for porphyry copper-gold mineralisation within a district that is seeing renewed interest from explorers and gold major, Newmont Corporation (**Figure 4**).

This renewed interest is a result of the recent work completed by the Geological Survey of New South Wales (GSNSW), which has demonstrated the intrusive rocks (Cooba Monzonite) within the Junee Project area as being equivalent in age (dated at 438.2Ma +/- 2Ma) and chemistry to the copper-gold mineralised intrusions of the Cadia-Ridgeway and Northparkes mining operations to the north. Lachlan Star believes this information validates the Company’s interpretation that the geology within its project tenure has the potential to host equivalent type gold-copper systems.

Evaluation of exploration data across the tenure continues, with a focus on the elevated gold and copper geochemistry and alteration porphyry indicators at the Nangus Road prospect, as well as significant copper intersections historically reported at the Basin Creek prospect (**Figure 5**).

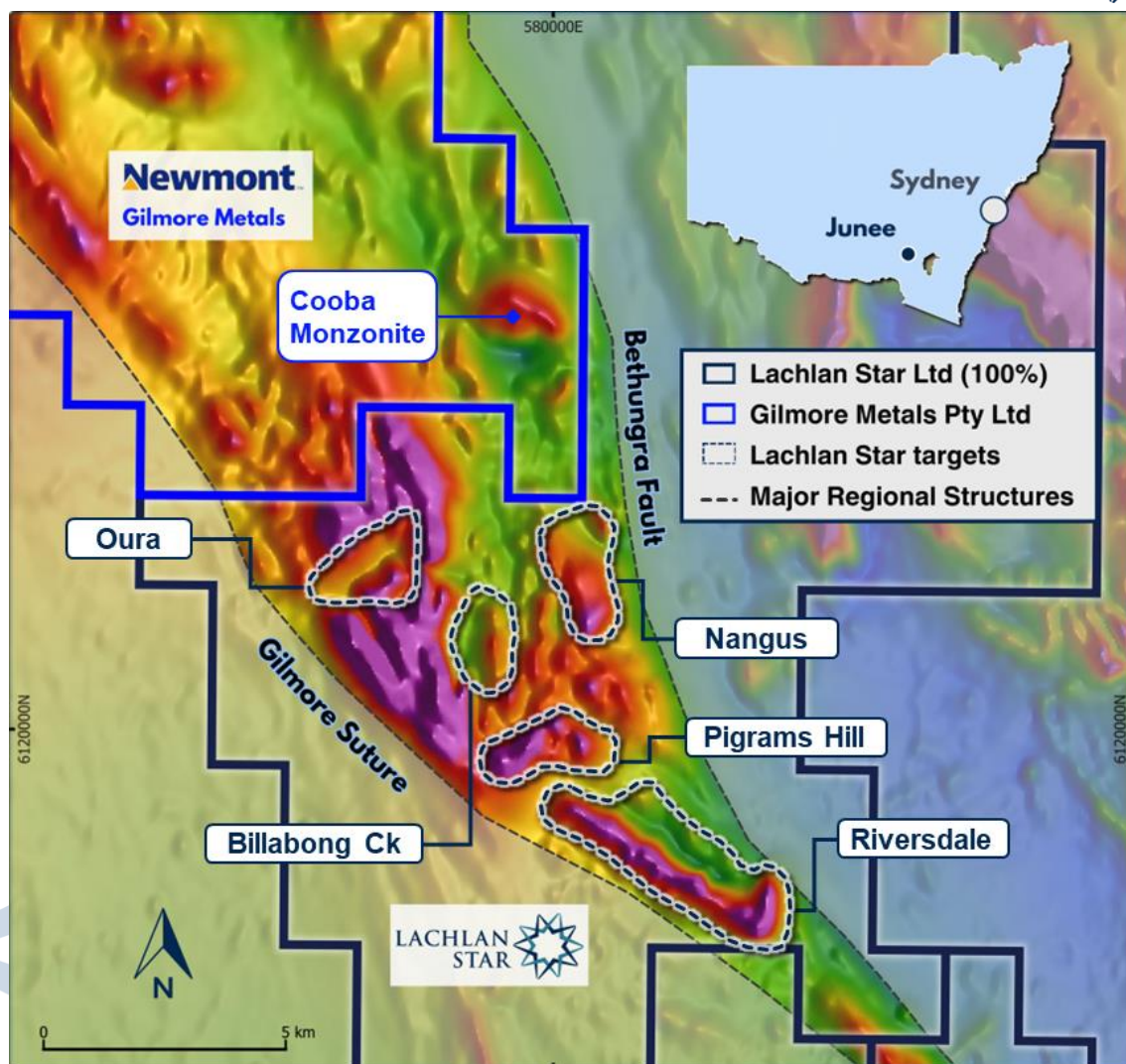


Figure 4 – Location of the northern Junee Project tenement (EL8622), with adjoining tenement holder (Gilmore Metals Pty Ltd – EL8470), Geological Survey of NSW dated Cooba Monzonite (438.2Ma +/- 2Ma) and priority target areas.

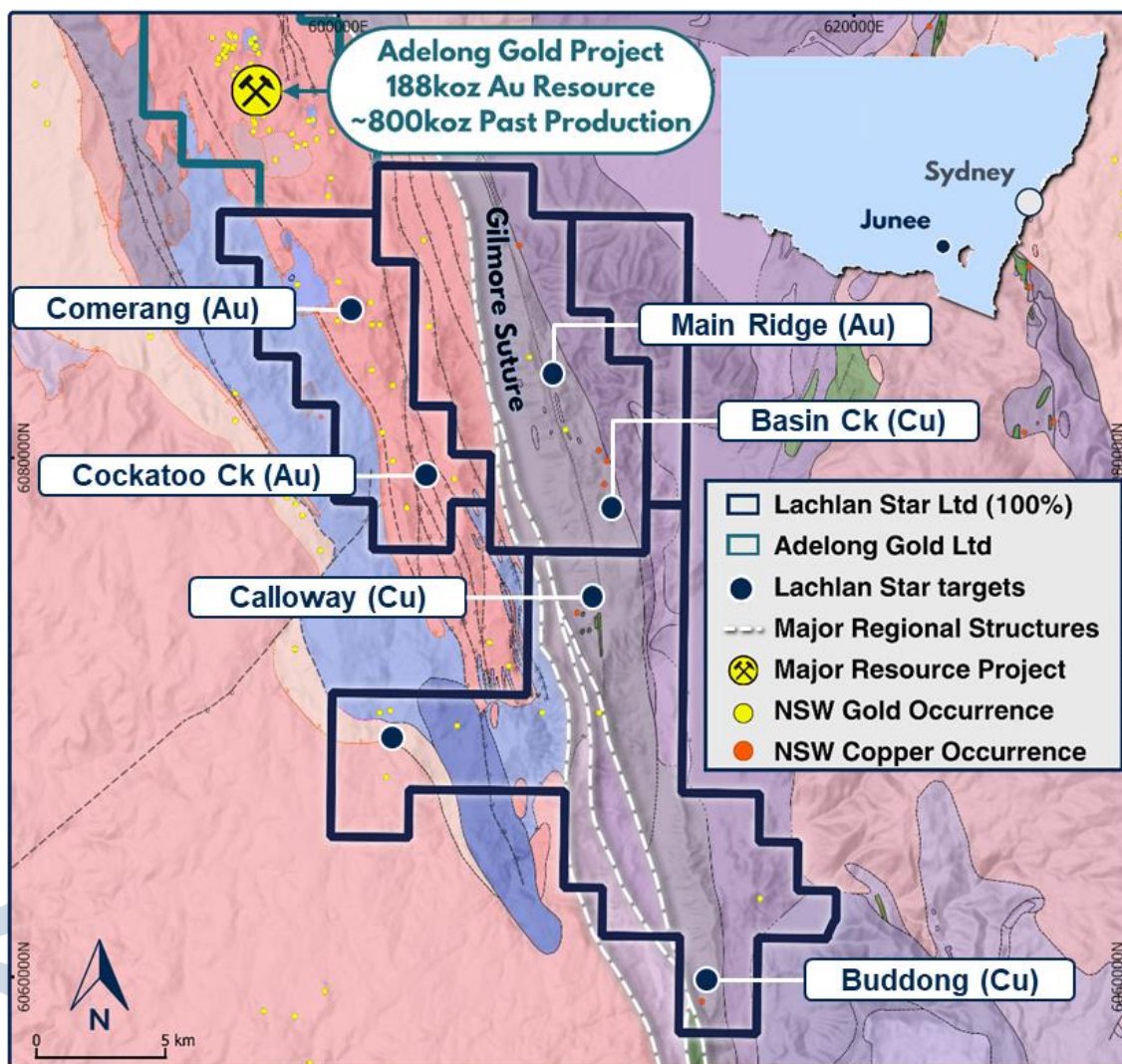


Figure 5 – Location of the southern Junee Project tenements (EL8939, EL9013, EL9049, EL9461), with priority gold and copper prospects shown over regional geology.

KOOJAN JV (LSA 45% and MI6 30%)

During the June Quarter, Minerals 260 Limited (**Minerals 260**, ASX: MI6) received final assays for the two reverse circulation holes completed in the December 2023 Quarter. The holes aimed to test the strongest coincident chargeability-conductivity anomalies generated from the Dipole-Dipole Induced Polarisation survey across the Mallory prospect. As announced by Minerals 260 on 4 April 2024, both holes intersected predominately unmineralised Proterozoic dolerite units. No further work on these targets is currently planned.

OTHER PROJECTS (80-100% LSA)

No significant activities were completed during the June Quarter at the Killaloe Gold project (LSA 80-100%) located in the Norseman Region of the Eastern Goldfields, Western Australia; or at the Princhester Magnesite project (LSA 100%) located north-west of Rockhampton, Queensland.



TENEMENTS

A full list of Tenements held by the Company is included in Annexure 1.

Changes in Tenements held during the Quarter:

Location in Australia	Project	Tenement No.	Registered Holder	Nature of Interests
NSW	Cobar	ELA6759 ELA6760 ELA6761 ELA6762	TRK Resources Pty Ltd	100% - Application

CORPORATE

Summary of exploration Expenditure

There was \$294,000 in exploration expenditure incurred during the June 2024 Quarter.

Cash Position

As at 30 June 2024, the Company had approximately \$1.6 million of cash.

Note 6 to Appendix 5B

Payments reported to related parties of the entity and their associates under section 6.1 consist of fees paid to Directors and/or their associates for director, consulting, company secretarial and accounting services.

This announcement has been authorised for release by the Board of Lachlan Star Limited.

Competent Person's Statements – Exploration Results

The Information in this report that relates to Exploration Results for the New South Wales projects is extracted from the Company's announcement titled: "Positive start to exploration in NSW and acquisition of priority ground in Cobar", dated 17 June 2024.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the above original market announcement. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.



ANNEXURE 1

Tenements held directly and in application by Lachlan Star Limited or a subsidiary company as at 30 June 2024

Tenements	Held at end of quarter	State
EL8939 (Basin Creek)	100%	New South Wales
EL9013 (Basin Creek)	100%	New South Wales
EL9049 (Basin Creek)	100%	New South Wales
EL9461 (Basin Creek)	100%	New South Wales
EL8622 (Juneec)	100%	New South Wales
EL8767 (Juneec)	100%	New South Wales
EL8835 (Juneec)	100%	New South Wales
EL8851 (Juneec)	100%	New South Wales
EL9448 (Bauloora North)	100%	New South Wales
EL9051 (North Cobar)	100%	New South Wales
EL9520 (North Cobar)	100%	New South Wales
ELA6759 (North Cobar)	100% - Application	New South Wales
ELA6760 (Cobar)	100% - Application	New South Wales
ELA6761 (Cobar)	100% - Application	New South Wales
ELA6762 (Cobar)	100% - Application	New South Wales
E70/5337 (Koojan)	45%	Western Australia
E70/5312 (Koojan)	45%	Western Australia
E70/5429 (Koojan)	45%	Western Australia
E70/5515 (Koojan)	45%	Western Australia
E70/5450 (Koojan)	45%	Western Australia
P70/1743 (Koojan)	45%	Western Australia
M63/177 (Killaloe)	100%	Western Australia
E63/1018 (Killaloe)	80%	Western Australia
E63/1713 (Killaloe)	100%	Western Australia
ML5831 (Princhester)	100%	Queensland
ML5832 (Princhester)	100%	Queensland
EL5574 (Bushranger)	Nil (Company retains a 2% NSR)	New South Wales

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Lachlan Star Limited

ABN

88 000 759 535

Quarter ended ("current quarter")

30 June 2024

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers		
1.2 Payments for		
(a) exploration & evaluation	-	-
(b) development	-	-
(c) production	-	-
(d) staff costs	-	-
(e) administration and corporate costs	(215)	(840)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	6	36
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other (provide details if material)	29	(1)
1.9 Net cash from / (used in) operating activities	(180)	(805)

2. Cash flows from investing activities		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	(3)	(44)
(d) exploration & evaluation	(294)	(883)
(e) investments	-	-
(f) other non-current assets	(18)	(20)

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(315)	(947)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	-	-

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	2,110	3,367
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(180)	(805)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(315)	(947)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	1,615	1,615

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	74	125
5.2	Call deposits	1,541	1,985
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	1,615	2,110

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	61
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<p><i>Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.</i></p> <p>Consulting fees and directors' fees - \$48,970 Company secretarial and accounting fees - \$12,000</p>		

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

7. Financing facilities	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
<i>Note: the term "facility" includes all forms of financing arrangements available to the entity.</i>		
<i>Add notes as necessary for an understanding of the sources of finance available to the entity.</i>		
7.1 Loan facilities	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (please specify)	-	-
7.4 Total financing facilities	-	-
7.5 Unused financing facilities available at quarter end	[]	
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.	
[]		

8. Estimated cash available for future operating activities	\$A'000
8.1 Net cash from / (used in) operating activities (item 1.9)	(180)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(294)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(474)
8.4 Cash and cash equivalents at quarter end (item 4.6)	1,615
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	1,615
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	3.41
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
Answer: N/A	
8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
Answer: N/A	

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: N/A

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 23 July 2024

Authorised by:
Daniel Smith
Director

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.