LITCHFIELD MINERALS LIMITED

WWW.LITCHFIELDMINERAL.COM.AU

LMS.ASX

ASX Announcement | 20th January, 2025

QUARTERLY ACTIVITIES REPORT

Highlights

- **Mount Doreen Project:** Completion of advanced geophysical surveys identifying high-priority targets, with drilling rescheduled for February 2025 due to wet-season inclement weather.
- **Strategic Asset Acquisition:** Addition of Oonagalabi, Paradise Well, and Silver Valley projects for $200,000, significantly bolstering the Company's exploration portfolio.
- **Oonagalabi Project:** Accelerated exploration activities, including drone magnetics, 3D IP inversion modelling, and soil sampling to define drill-ready targets.
- **Upcoming Drilling Campaigns:** Preparation for up to 2,000 metres of drilling at high-impact targets across Dumunzi, Patmungula, and Mount Irene, with seamless transition to Oonagalabi.

Litchfield Minerals Limited ("Litchfield" or "the Company") has achieved substantial progress across its portfolio of critical minerals projects in the Northern Territory during this quarter. Key highlights include advanced geophysical surveys, strategic acquisitions, and proactive exploration initiatives. Despite weather challenges delaying drilling at Mount Doreen, the Company capitalised on opportunities at Oonagalabi, ensuring continuous exploration momentum. The acquisition of additional copper, gold, and base metal assets further enhances Litchfield's robust pipeline of projects.

Managing Director and CEO, Matthew Pustahya, commented:

"This quarter marks a pivotal period for Litchfield Minerals. The acquisition of high-value assets, coupled with significant exploration advancements, positions us for transformative growth. While weather challenges have delayed Mount Doreen drilling, our ability to pivot and accelerate activities at Oonagalabi demonstrates resilience and strategic foresight. With a robust pipeline of targets and a clear focus on shareholder value, we are well-prepared to deliver substantial results in 2025."

Project Updates

1. Mount Doreen Project

The Mount Doreen project saw significant geophysical advancements, with Moving Loop Electromagnetic (MLEM) and Induced Polarisation (IP) surveys completed across three key targets:

- **Dumunzi Target:** Modelling of gravity and magnetic data revealed vertical pipe-like geometries, suggesting a multi-phase carbonatite intrusive complex. Four RC drill holes have been planned to test for potential REE mineralisation.
- **Patmungula Lead Target:** Ground MLEM surveys identified a strong late-time conductor, interpreted as a basement source with potential for base metal sulphides. Two RC drill holes are planned to test these plates, which show a 400m-long gently plunging structure.
- **Mount Irene Chargeability Anomaly:** Pole-Dipole IP surveys confirmed a steeply dipping 15mV/V chargeability anomaly, extending across 200m. One RC drill hole is planned to test the central anomaly at 150m depth.

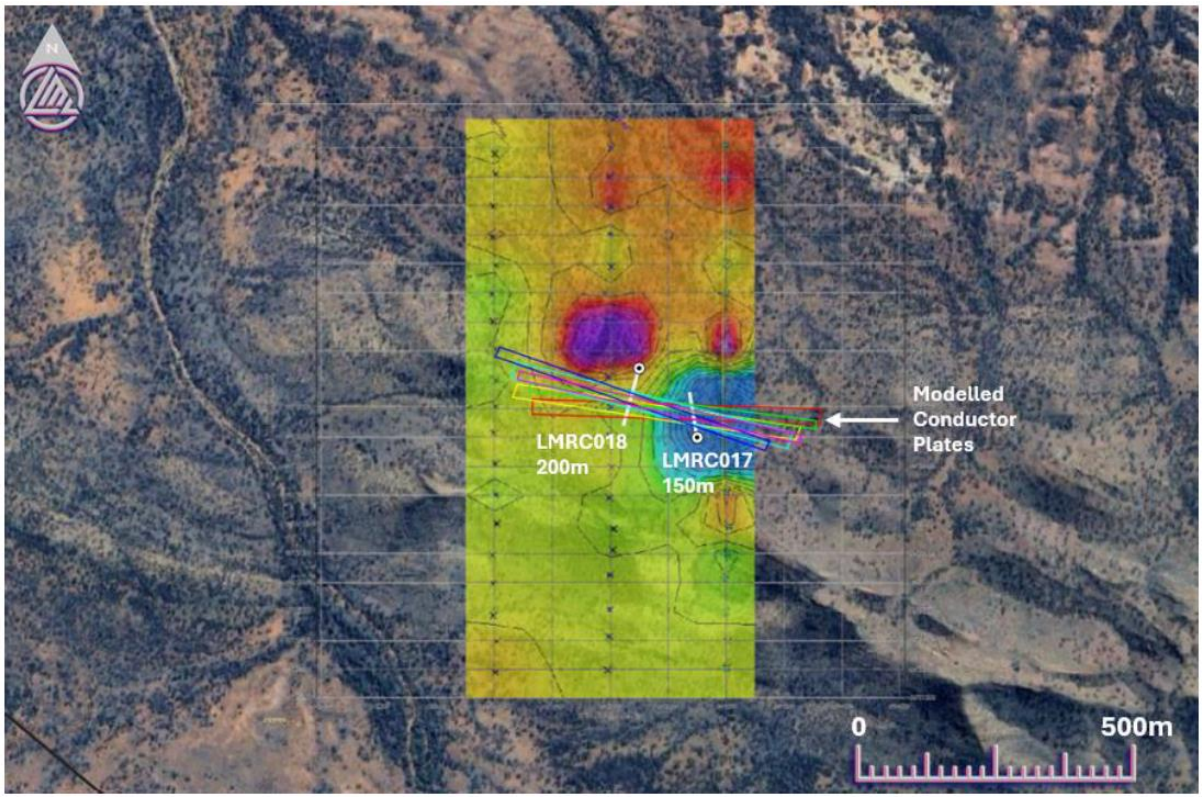


Figure 1. Patmungala Pb Google satellite image with 20z Ground EM conductivity image, modelled basement conductor plates and planned RC drillholes

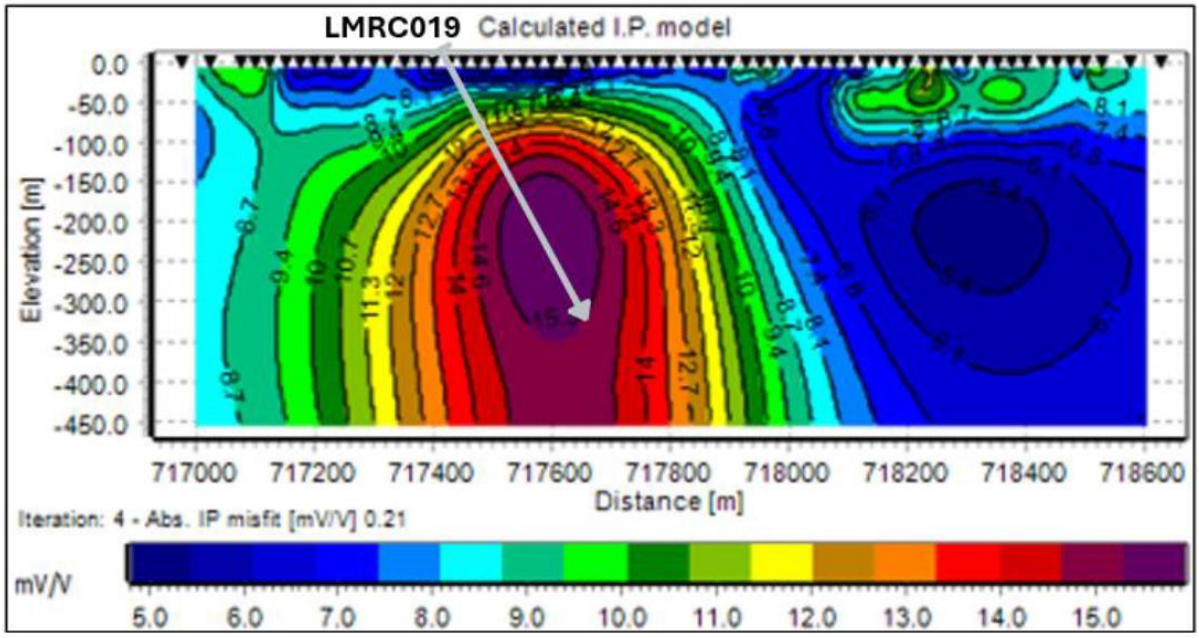


Figure 2. Mount Irene, Induced Polarisation Chargeability anomaly on Line 7562375N

Operational Challenges: A weather system brought intermittent heavy rains to the Mount Doreen area, halting preparatory activities. While disappointing, the delay ensures safety and cost management, with drilling now rescheduled for early 2025.

Next Steps: Track preparation, drill pad construction, and targeted drilling will commence once weather conditions stabilise. The high-impact nature of these targets underpins the project's strategic importance.

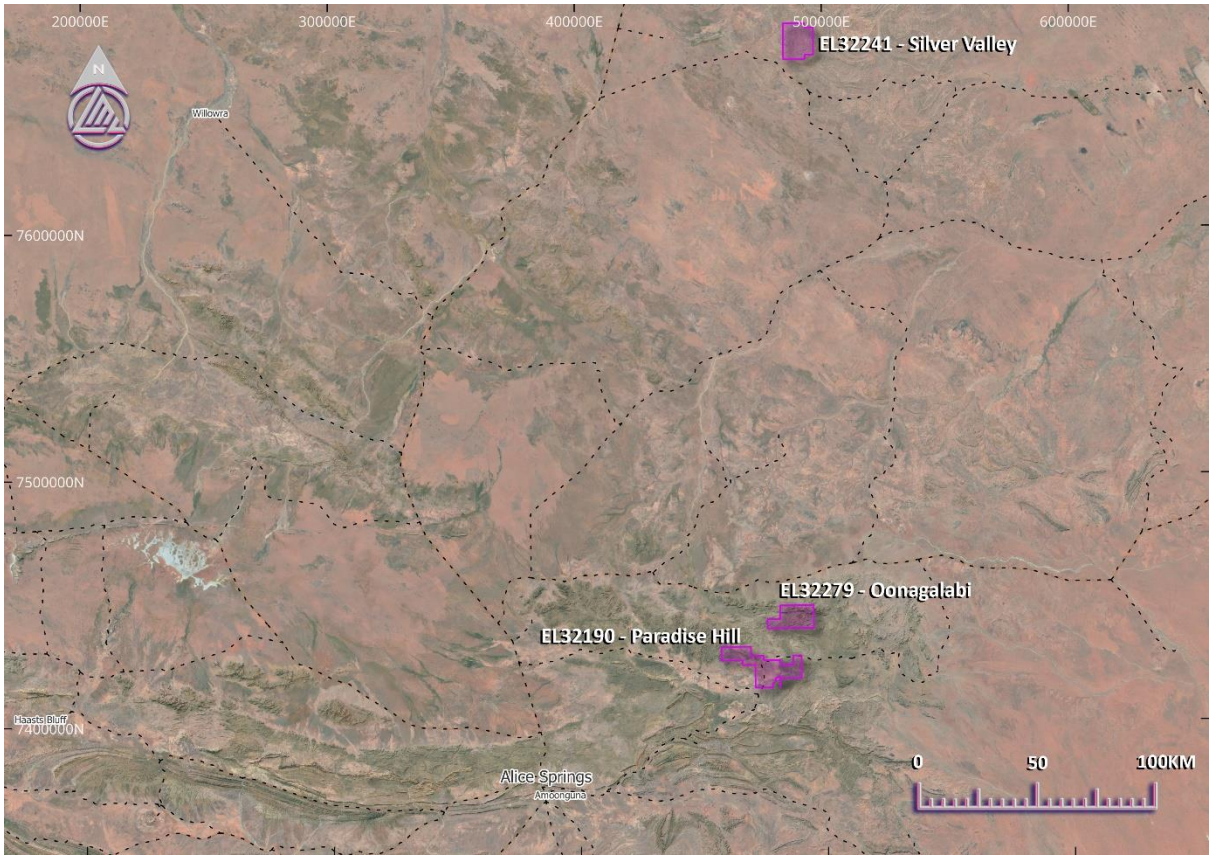
---

2. Strategic Asset Acquisition

Litchfield acquired a high-value portfolio of projects in October 2024, including:

- **Oonagalabi (EL32279):** A sediment-hosted Cu-Zn-Au deposit with stratabound mineralisation along a northeast-trending fold hinge. Drill results indicate significant near-surface and deeper potential, with 2008 IP data revealing untested high-chargeability zones.
- **Paradise Well (EL32190):** A Cu-Au and REE prospect with rock chip assays up to 8.9% Cu and 2.2 g/t Au. Monazite occurrences (5-40%) highlight additional REE potential.
- **Silver Valley (EL32241):** An Ag-Cu-Pb prospect with rock chip results including 554 g/t Ag, 20% Pb, and 11.9% Cu, representing strong potential for structurally controlled mineralisation.

This acquisition enhances Litchfield's exploration portfolio and aligns with its strategic focus on critical and precious metals.



---

3. Oonagalabi Project

The Oonagalabi polymetallic copper-zinc project has become a key focus this quarter, with accelerated exploration yielding significant advancements:

- **Drone Magnetic Survey:** A high-resolution survey (100m line spacing) is refining structural and geological understanding, targeting subtle anomalies associated with magnetite-bearing alteration assemblages.
- **3D IP Inversion Modelling:** Historic datasets from 2008 have been reprocessed to produce detailed chargeability and resistivity models, highlighting extensions of known mineralisation and untested zones.
- **Soil Sampling Campaign:** Soil grids were extended northeast of existing datasets, targeting potential mineralised extensions identified by IP anomalies. Results will inform drill planning for early 2025.

Historical Data Highlights:

- Drill intercepts include 36.6m @ 1.0% Cu and 1.7% Zn from shallow depths, with gold sampled over three intervals averaging 1 g/t.

- The mineralised system extends over 1.5 km, with opportunities for expansion along a northeast-trending anticline.

Upcoming Activities: Drilling is planned to immediately follow Mount Doreen, with results from geophysical and geochemical surveys defining high-priority targets.

Operational Adjustments

- **Weather Impact Mitigation:** Proactive rescheduling of Mount Doreen activities ensured safety and cost efficiency.
- **Resource Allocation:** Accelerated exploration at Oonagalabi demonstrates Litchfield's adaptability and commitment to shareholder value.

Outlook

Exploration Milestones:

- Drilling across Mount Doreen in early 2025.
- Induced Polarisation campaign at Oonagalabi.
- Gravity program at Oonagalabi.
- Lithostructural modelling at Oonagalabi.
- Drill-ready targets at Oonagalabi refined through ongoing geophysical and geochemical programs.

Strategic Objectives:

- Deliver impactful exploration results to position Litchfield as a leader in the Northern Territory's critical minerals sector.
- Maintain operational flexibility to capitalize on exploration successes and market opportunities.

CORPORATE

Cash Position

As at 31 December 2024, the Company held $1.6 million cash at bank (unaudited).

Capital Structure

As at 31 December, the Company has 35,403,845 shares on issue, of which 7,192,500 shares are escrowed till 13/03/2026. During the period 648,849 shares came off escrow.

There are 7,000,000 performance rights on issue, 1,750,000 performance rights each to the directors and the CFO/Company Secretary, on the terms set out below:

Class of Performance Right	Vesting Condition	Expiry Date	Number of Performance Rights
Class A	The Company achieves a closing share price over 40 consecutive trading days above $0.40	5 years from the date of issue	250,000
Class B	The Company achieves a closing share price over 60 consecutive trading days above $0.50.	5 years from the date of issue	500,000
Class C	The Company achieves a closing share price over 30 consecutive trading days above $0.75.	5 years from the date of issue	1,000,000

There are 8,700,000 unlisted options on issue, of which 8,200,000 are subject to escrowed for 24 months from official quotation, as summarised below:

Type	Number	Exercise price	Expiry Date
Founder options	2,000,000	$0.30	25-Oct-26
Director options	750,000	$0.30	28-Feb-27
Director options	750,000	$0.35	28-Feb-27
Broker Options	4,700,000	$0.30	14-Sep-26
	8,200,000		

ASX Listing Rule 5.3.1 Disclosure

$0.508 million exploration spend during the quarter can be summarised as:

- $0.200 million acquisition of Kalk Exploration;
- $0.190 million costs geophysical activities; and
- $0.118 million general exploration activities.

ASX Listing Rule 5.3.2

The Company confirms that there was no mine production and development activities for the Quarter.

ASX Listing Rule 5.3.4

The Company provides a comparison of its actual spend against the estimated expenditure on "use of funds" items set out in the Company's Prospectus dated 24 January 2024.

Use of Funds	Funds Allocated	Actual to date
	$'000	$'000
Exploration Drilling	2,424	1,672
Geophysics, Mapping, Sample Analysis, Vehicles and Tenement Cost	689	748
Operational Labour - Exploration	324	177
Working Capital and Administration	1,563	822

ASX Listing Rule 5.3.5

$78,000 was paid during the quarter to Related Parties, as reported in clause 6 of the ASX Appendix 5B (Cash Flow Report), comprised director fees.

TENEMENT INTERESTS

As at 31 December 2024, the Company had interest in the following tenements (as required by Listing Rule 5.3.3). During the Quarter, through the acquisition of Kalk Exploration Pty Ltd, Litchfield gained interests in Oonagalabi, Paradise Well and Silver Valley.

Country	Location	Project	Tenement	Status	Current Interest (%)
Australia	Northern Territory	Mount Doreen	EL31305	Granted	100%
Australia	Northern Territory	Lucy Creek	EL33568	Granted	100%
Australia	Northern Territory	Oonagalabi	EL32279	Granted	100%
Australia	Northern Territory	Paradise Well	EL32190	Granted	100%
Australia	Northern Territory	Silver Valley	EL32241	Granted	100%
Australia	Northern Territory	Lucy Creek 2	ELA 33888	Application	100%
Australia	Northern Territory	Yambah	ELA 33889	Application	100%

Cautionary Statement

The exploration results and interpretations presented in this announcement, including the identification of chargeability anomalies, magnetic structures, and mineralised zones, are based on preliminary data and geological models. While these results suggest potential for significant mineralisation at the Oonagalabi project, they remain subject to further validation through detailed ground-based geophysical surveys and targeted drilling programs.

There is no guarantee that future exploration will confirm the presence of economic mineralisation or lead to the definition of a mineral resource. Factors such as geological complexity, data accuracy, and exploration limitations may impact these findings. Investors should be aware of these uncertainties and should not rely solely on the forward-looking interpretations provided in this announcement.

.

Forward looking statement

This announcement may include forward-looking statements, which are subject to risks and uncertainties. Actual results could differ significantly due to factors beyond our control, including market conditions and industry-specific risks. These forward-looking statements are based on the Company's expectations and beliefs concerning future events. No warranty is given regarding the completeness of the information provided. Please avoid placing undue reliance on forward-looking statements, as they reflect views only as of the announcement date.

About Litchfield Minerals

Litchfield Minerals is a critical mineral explorer, primarily searching for base metals and uranium out of the Northern Territory of Australia. Our mission is to be a pioneering copper exploration company committed to delivering cost-effective, innovative and sustainable exploration solutions. We aim to unlock the full potential of copper and other mineral resources while minimising environmental impact, ensuring the longevity and affordability of

this essential metal for future generations. We are dedicated to involving cutting-edge technology, responsible practices and stakeholder collaboration drives us to continuously redefine the industry standards and deliver value to our investors, communities and the world.

The announcement has been approved by the Board of Directors.

For further information please contact:

Matthew Pustahya
Matthew@litchfieldminerals.com.au

Follow us on:

www.litchfieldminerals.com.au

https://twitter.com/Litchfield_LMS

https://www.linkedin.com/company/litchfield-minerals-limited/

Competent Person's Statement

The information in this Presentation that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Mr Russell Dow (MSc, BScHons Geology), a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy (AUSIMM) and is a full-time employee of Litchfield Minerals Limited. Mr Dow has sufficient experience that is relevant to the style of mineralisation and types of deposits under consideration and to the activity being undertaken 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 Dow consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. With regard to the Company's ASX Announcements referenced in the above Announcement, the Company is not aware of any new information or data that materially affects the information included in the Announcements.

Appendix 5B

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

Name of entity	
Litchfield Minerals Limited	
ABN	**Quarter ended ("current quarter")**
33 612 660 429	December 2024

	Consolidated statement of cash flows	**Current quarter $A'000**	**Year to date (6 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	(127)	(165)
1.3	Dividends received (see note 3)		
1.4	Interest received		
1.5	Interest and other costs of finance paid		
1.6	Income taxes paid		
1.7	Government grants and tax incentives	41	41
1.8	Other (provide details if material)		
1.9	**Net cash from / (used in) operating activities**	**(86)**	**(124)**

2.	**Cash flows from investing activities**		
2.1	Payments to acquire or for:		
	(a) entities		
	(b) tenements		
	(c) property, plant and equipment	(1)	(1)
	(d) exploration & evaluation	(508)	(2,114)
	(e) investments		
	(f) other non-current assets	8	8

Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 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**	**(502)**	**(2,107)**

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	2,180	3,824
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(86)	(124)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(502)	(2,107)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-

Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 months) $A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**1,593**	**2,180**

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	1,583	2,180
5.2	Call deposits		
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)**	**1,583**	**2,180**

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	78
6.2	Aggregate amount of payments to related parties and their associates included in item 2	

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.

7.	**Financing facilities** *Note: the term "facility' includes all forms of financing arrangements available to the entity.* *Add notes as necessary for an understanding of the sources of finance available to the entity.*	**Total facility amount at quarter end $A'000**	**Amount drawn at quarter end $A'000**
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)	(86)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(508)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(594)
8.4	Cash and cash equivalents at quarter end (item 4.6)	1,593
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	1,593
8.7	**Estimated quarters of funding available (item 8.6 divided by item 8.3)**	2.68

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.

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.

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: .....20 January 2025.....

Authorised by: .....By the Board.....
(Name of body or officer authorising release – see note 4)

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.