

ASX ANNOUNCEMENT

31 October 2023

QUARTERLY ACTIVITIES REPORT

FOR THE PERIOD ENDED 30 SEPTEMBER 2023

HIGHLIGHTS FOR QUARTER

- An Exploration Target has been calculated for Fosters Gold Project (Fosters), an area ~400m south of the Reward Gold Mine (Reward) (refer to Figure 1).
 - The Fosters Exploration Target is within ground covered by the Company's Mining Licences (ML's) and existing Development Consent
 - The Exploration Target complements the Mineral Resource Estimate (MRE) for the Reward gold deposit at Hill End that now stands at 419,000 tonnes at 16.72g/t Au for 225,200oz Au:

Classification	Cut-off	Tonnes	Au (g/t)	Ounces
Indicated	4	141,000	15.54	70,500
Inferred	4	278,000	17.28	154,700
Total	4	419,000	16.72	225,200

- Fosters is accessed by an existing adit and development drive; Fosters adit is a few hundred meters from the Hill End Gravity Gold plant.
 - Additionally, Fosters is open at depth and along strike to the North and the South (refer to Figures 1 & 2)
 - Reward is currently the focus of a PFS (*refer ASX announcement dated 6 July 2023*)
 - Vertex is designing a diamond drill program aimed at converting the Exploration Target to a JORC resource.
- The Hill End Gold plant commissioning commenced on a four-day week basis (dayshift only), on limited throughput.
- Gold concentrate has been produced and gold bar has been poured and sold to ABC

Refinery.

- **Inspection of the Hill End Underground Mine (i.e. Amalgamated Adit and associated 640 Level drives, cross-cuts and stopes together with the Reward Shaft/Alimak) with confirmation that areas earmarked for future access are in good working order after the mine was put on 'care and maintenance' in 2011.**
- **Trench sampling provided confirmation of gold in additional stockpiles at Hawkins Hill. Sampling of the Process Plant Stockpile, Tails Dam Road Stockpile and Consolidated Pad revealed that each contained gold.**

STRATEGIC FOCUS

Clear Strategy set for Hill End:

- 1. To commence gold production in 2023 from existing stockpiles;**
- 2. Complete Reward Pre-Feasibility Study;**
- 3. To explore and resource the high-grade, large scale gold system/s within the Hill End Corridor;**
- 4. To take the existing resources and near surface mineralisation to production utilising gravity gold recovery methods; and**
- 5. Earn a robust Safety , Environmental, Social and Governance (ESG) reputation.**

FOSTERS EXPLORATION TARGET – UNDERLYING REWARD GOLD MINE

During the quarter, Vertex completed an Exploration Target for the Fosters gold deposit at its 100%-owned Hill End gold project near Orange in the NSW Lachlan Fold belt (*refer ASX Announcement 29 August 2023*). The ET was carried out by independent consultants HGS Australia in accordance with the 2012 JORC Code

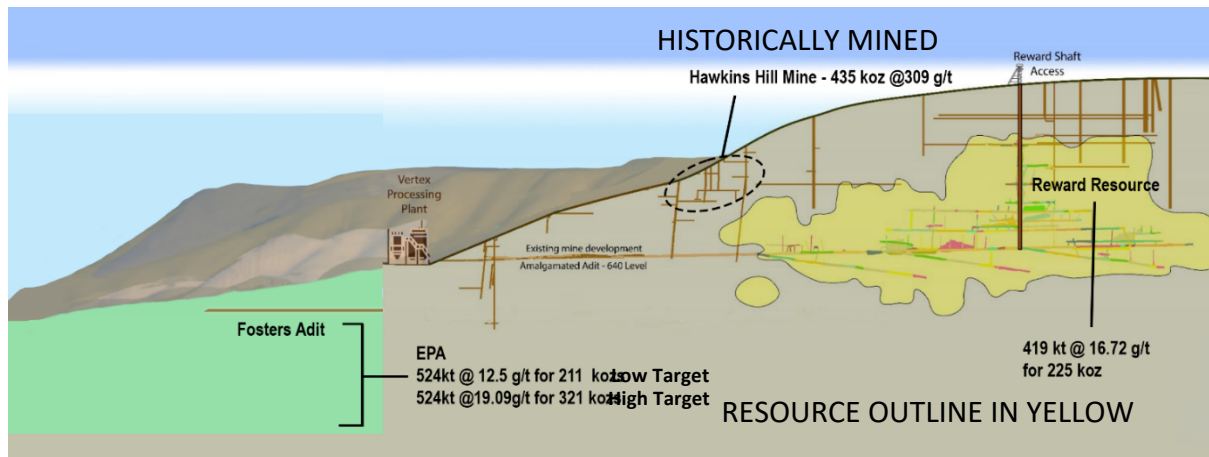


Figure 1, showing Fosters Exploration Target (green panel) south of the Reward underground gold mine workings, below Hawkins Hill (Historical Mine and shown in dotted line).

Yellow area shows the Reward Resource.

The Fosters Exploration Target range:

524kt @ 12.5g/t Au (lower range) 211koz

524kt @ 19.0g/t Au (upper range) 321koz

The Fosters Exploration Target is within ground covered by the Company's Mining Licences (MLs) and existing Development Consent. Fosters is accessed by an existing adit and development drive and is only a few hundred meters from the Hill End Gravity Gold plant.

Additionally, Fosters is open at depth and along strike to the North and the South (*refer to Figure 1 & 2*).

Cautionary Statement

The Exploration Target is conceptual in nature as there has been insufficient exploration to define a Mineral Resource. It is uncertain if further exploration will result in the determination of a Mineral Resource under the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, the JORC Code" (JORC 2012). The Exploration Target is not being reported as part of any Mineral Resource or Ore Reserve.

The upgraded Mineral Resource for the Reward Gold Mine now totals 419,000 tonnes, with a 278kt Inferred Resource and a 141kt Indicated Resource, at a weighted average grade of 16.72 g/t Au for 225,200oz (154,700oz Inferred and 70,500oz Indicated). This brings the global Mineral Resource estimate for the Hill End & Hargraves Gold Project to 485,000 ounces at 3.6 g/t (refer Table 1). Whilst the total contained gold is similar to the previous estimate, improved interpretation of the deposit geology reflects the quality of ore that was previously processed at Hill End:

Hill End Project Mineral Resource Estimate				
Deposit	Classification	Tonnes (kt)	Grade Au (g/t)	Contained Au (koz)
Reward Gold Mine ¹	Indicated	141	15.5	71
	Inferred	278	17.3	155
Sub Total		419	16.7	225
Hargraves Project ²	Indicated	1,109	2.7	97
	Inferred	1,210	2.1	80
Sub Total		2,319	2.4	178
Red Hill Project ²	Indicated	413	1.4	19
	Inferred	1,063	1.8	61
Sub Total		1,476	1.7	80
Project Total	Indicated	1,663	3.5	187
	Inferred	2,551	3.6	296
Grand Total		4,214	3.6	483

Table 1

The Reward gold mine is well-placed for a simple start-up, with the existing gravity processing plant located adjacent to the underground mine access point. The mine access point extends into the resource, so little development is expected to be required. The Hill End gravity gold processing plant refurbishment is also near completion, with full permits including a tailings dam permit which has the capacity to allow immediate commencement of operations.

¹ For further details on the current resource at Reward, refer ASX announcement dated 26 June 2023

² For further details on the resource at Hargraves and Red Hill, refer to the IGR in the Company's listing prospectus dated 21 October 2021 and release on ASX on 12 January 2022.

EVENTS SUBSEQUENT TO QUARTER-END

- Vertex engaged Gekko Systems to undertake the metallurgical component of the Reward PFS, including design and engineering of the upgraded gravity gold plant at Hill End
- Vertex have engaged Ground Control Engineering (GCE) to undertake the PFS. The PFS is expected to be completed late 2023.

CORPORATE & FINANCIAL

As at 30 September 2023, the Company held A\$1.237m in cash, following completion of the Company's fully underwritten 1:3 Non-renounceable entitlements offer.

Vertex's expenditure during the Quarter was as follows:

Item	A\$ ('000s)
Cash Balance at beginning of Quarter	\$596
Proceeds from Rights Issue (net of costs)	1,527
Administration and Corporate Costs	(235)
Exploration and Evaluation	(375)
Investments in Property, Plant and Equipment	(470)
Net proceeds from borrowings	192
Cash Balance at End of Quarter	\$1,237

During the quarter, the Company made payments of \$122,895 to related parties in relation to Directors' fees and consulting fees for both technical and management services.

Appendix 1 – Additional ASX Information

Listing Rule 5.3.4 Use of funds

VTX was admitted to trading on the ASX on 12 January 2022. The 30 September 2023 quarter is included in a period covered by a Use of Funds statement in a prospectus lodged with ASX under Listing Rule 1.a, condition 3. A comparison of the Company's expenditure against the estimated Use of Funds statement is set out below as required under Listing Rule 5.3.4.

Expenditure item	Note	Use of Funds (2 years) \$	Actual to 30 September 2023 (excluding GST) \$	Variance \$
Exploration at the projects	1	2,420,000	2,684,934	264,934
Cash reimbursement to project vendors		617,759	617,759	-
Expenses of the offer	2	650,000	795,065	145,065
Administration costs	1	1,060,000	1,419,250	359,250
Department of Regional NSW – bonds transfer		185,000	185,000	-
Working capital	3	887,241	115,938	(771,303)
		5,820,000	5,817,947	(2,053)

Note:

1. The Use of Funds statement covers a 2 year period from listing whereas current actual expenditure covers the period since incorporation. Exploration activities and expenditure have taken place faster than anticipated at the time of preparation of the Prospectus with both macro and industry-specific inflation also being a factor.
2. Legal fees, shareholder engagement and administration fees were higher than anticipated in the offer.
3. VTX has concentrated exploration activities to date at the projects included in the prospectus.

TENEMENT INFORMATION (LISTING RULE 5.3.3)

Tenements acquired or disposed during the Quarter
N/A

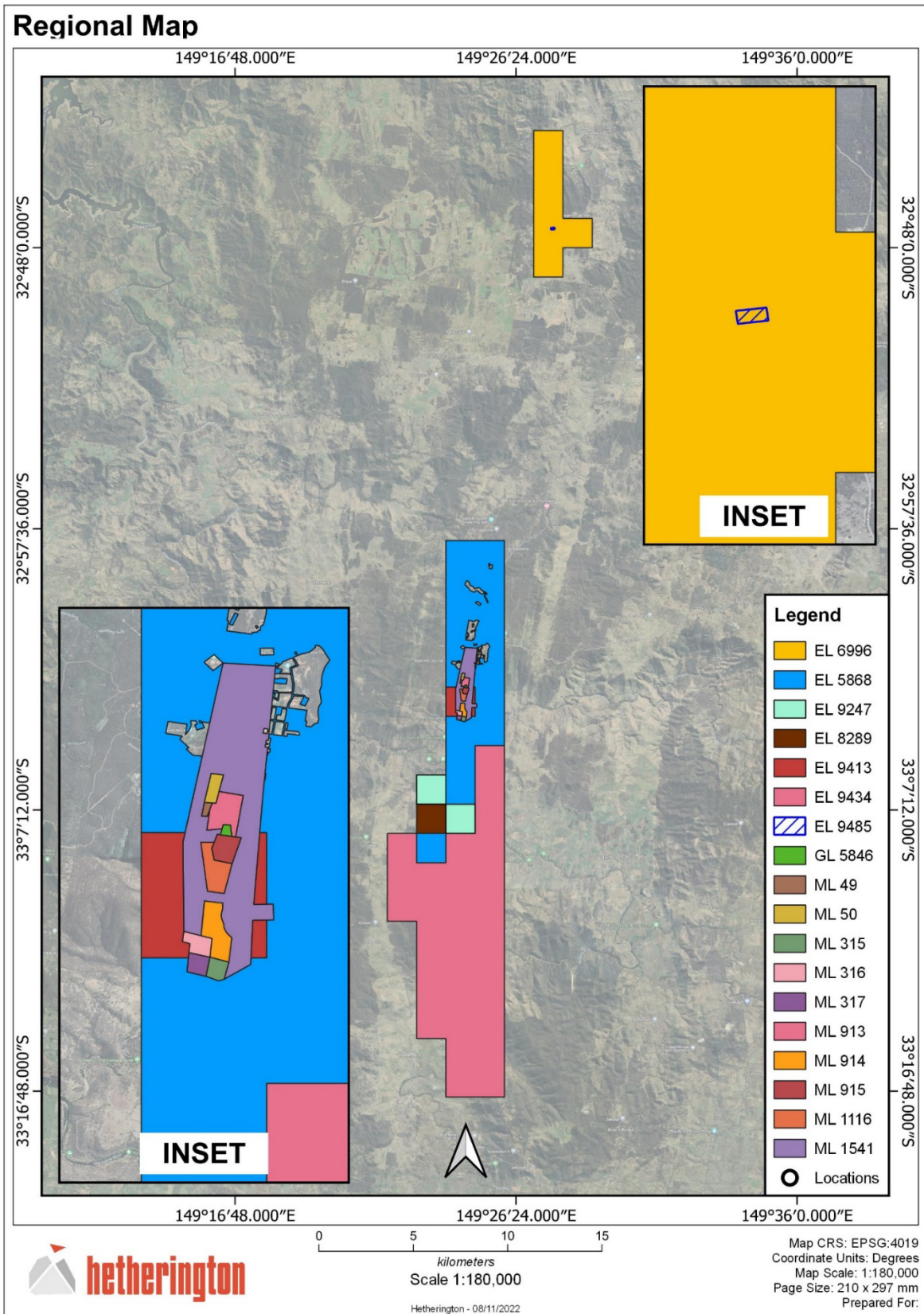
Mining tenements held at the end of the Quarter

Tenement	Project	Status	Area	Location
EL 5868	Hill End	Current	16 Units	NSW
EL 6996	Hargraves	Current	6 Units	NSW
EL 8289	Hill End	Renewal pending	1 Unit	NSW
EL 9247	Hill End	Current	2 Units	NSW
EL 9413	Hill End	Current	1 Unit	NSW
EL 9434	Hill End	Current	30 Units	NSW
EL 9485	Hill End	Current	1 Unit	NSW
EL 9564	Hill End	Current	2 Units	NSW
GL 5846	Hill End	Current	2.044 ha	NSW
ML 49	Hill End	Current	1.618 ha	NSW
ML 50	Hill End	Current	3.02 ha	NSW
ML 315	Hill End	Current	6.671 ha	NSW
ML 316	Hill End	Current	8.846 ha	NSW
ML 914	Hill End	Current	21.69 ha	NSW
ML 915	Hill End	Current	13.27 ha	NSW
ML 1116	Hill End	Renewal pending	15.71 ha	NSW
ML 1541	Hill End	Renewal pending	279.2 ha	NSW
EPL 12008	Hill End	Issued		
E77/2651	Pride of Elvire	Current	51km ²	WA
E63/2058	Taylors Rock	Current	57km ²	WA

Interests may be held directly by the Company, a subsidiary, or contractually.

Farm-in or Farm-out Agreements entered into during the Quarter
N/A

Beneficial Percentage Interests Held in Farm-in or Farm-out agreements at the end of the Quarter
N/A





Vertex Minerals Ltd Quarterly Activities Report – September 2023

On behalf of the Directors

A handwritten signature in black ink, appearing to be 'R Jackson', written in a cursive style.

Roger Jackson
Executive Chairman
31 October 2023

This announcement has been approved by the Board of Vertex Minerals Limited.

Further Information:

Roger Jackson, Executive Chairman
roger@vertexminerals.com.au

Tully Richards, Technical Director
tully@vertexminerals.com.au

ABOUT VERTEX

Vertex Minerals Limited (ASX: VTX) is an Australian based gold exploration company developing its advanced Hargraves and Hill End gold projects located in the highly prospective Eastern Lachlan Fold Belt of Central West NSW. Other Company assets include the Pride of Elvire gold project and Taylors Rock gold/nickel/lithium project both located in the Eastern Goldfields of WA. The focus of Vertex Minerals is to advance the commercial production of gold from its NSW projects embracing an ethical and environmentally sustainable approach:

- **Gravity Separation:** The deportment of gold at the Hill End Project allows high recovery to a concentrate produced using gravity separation techniques.
- **Direct Smelting:** The use of direct smelting of a gold concentrate that eliminates the need to use cyanide as a solvent.
- **Contrast in Density:** These separation techniques take advantage of the contrast in density of gold ($\rho=19.3$) relative to quartz ($\rho=2.65$).
- **Renewable Energy Potential:** The unique landscape and infrastructure makes Hill End ideal for the establishment of renewable sources of power. The Crudine Ridge Windfarm is only 30km from the project site and Vertex plans to examine a pumped hydro-electricity scheme as an integral part of any proposed development. The topography and existing mine workings including shafts and adits make the establishment of a pumped hydro scheme achievable at modest expense.
- **Benign Tailings:** The tailings will essentially be quartz with little to no sulphide minerals.

Hargraves Gold Project (NSW)

- Hargraves Gold project is located approximately 2.5 km south of the town of Mudgee.
- The goldfield is 4 x 10 km with numerous mineralised structures with little modern exploration.
- An updated mineral resource in accordance with JORC 2012 Code was completed by SRK Consulting (Australasia) Pty Ltd (SRK) – total of **2.3Mt at 2.38g/t Au for 177koz Au.**

Hill End Gold Project (NSW)

- Consists of 10 mining leases and three Exploration Licences located in the core of the Hill End Trough on the eastern Lachlan Fold Belt.
- 24km of continuous gold lode with gold recovery rate to gravity at +90%.

Pride of Elvire Gold Project (WA)

- Tenements surround the Mt. Elvire homestead approximately 210km north of Southern Cross in Western Australia
- The project has seen historical drilling with encouraging gold results achieved.

Taylors Rock Project (WA)

- Located 80km WSW of Norseman in the Southern Goldfields region of Western Australia.
- The project has both Gold and Nickel potential, interesting historical intercepts have recorded encouraging mineralisation.

Competent Persons Statement

The information in this report that relates to the Reward Mineral Resource estimate is based on information compiled by Mr. Troy Lowien, who is a full-time employee of Groundwork Plus. Mr. Lowien is a member of the Australasian Institute of Mining and Metallurgy (FAusIMM), and has sufficient experience which is relevant to the style of mineralisation and type of deposits 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”. Mr. Lowien consents to the inclusion of the data contained in relevant resource reports used for this announcement as well as the matters, form and context in which the relevant data appears.

The information in this report that relates to Exploration Results, Exploration Targets and the Hargraves and Red Hill Resource Estimates is based on information compiled by Mr. Roger Jackson. Mr. Jackson is a Director and Shareholder of the Company, who is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM), Fellow of the Australasian Institute of Geoscientists and a Member of Australian Institute of Company Directors. Mr. Jackson has sufficient experience which is relevant to the style of mineralisation and type of deposits 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”. Mr. Jackson consents to the inclusion of the data contained in relevant resource reports used for this announcement as well as the matters, form and context in which the relevant data appears.

JORC Compliance Statements

This website contains references to Mineral Resource estimates, which have been extracted from previous ASX announcements as set out above made by Peak Resources Ltd (ASX:PUA), the parent company of VTX prior to the Company’s separate listing in 2022. For full details of Exploration Results in this release that have been previously announced, refer to those announcements.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the said announcements, and in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons’ findings are presented have not materially modified from the original market announcements.

Cautionary Statement

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Forward Looking Statements and Important Notice

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Vertex Minerals’ control.

Actual results and developments will almost certainly differ materially from those expressed or implied. Vertex Minerals has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, Vertex Minerals makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company’s securities.

Appendix 5B

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

Name of entity

Vertex Minerals Ltd

ABN

68 650 116 153

Quarter ended ("current quarter")

30 September 2023

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(2)	(2)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	-	-
	(e) administration and corporate costs	(234)	(234)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	(1)	(1)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(237)	(237)
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	(470)	(470)
	(d) exploration & evaluation	(373)	(373)
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 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	(843)	(843)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	1,668	1,668
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	(140)	(140)
3.5	Proceeds from borrowings	197	197
3.6	Repayment of borrowings	(5)	(5)
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	1,720	1,720

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	596	596
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(237)	(237)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(843)	(843)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	1,720	1,720

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	1,236	1,236

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	1,236	596
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)	1,236	596

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	64
6.2 Aggregate amount of payments to related parties and their associates included in item 2	59

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.

6.1 Payment of director fees in accordance with disclosed consulting agreements

6.2 Payment to directors of additional consulting fees associated with exploration and evaluation activities on terms consistent with the disclosed consulting agreements.

7.	Financing facilities <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>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	197	197
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.		
	7.1 \$197,000 loan provided by Caterpillar Financial Australia Limited for a 3 year period at 7.5% per annum, maturing on 15 September 2026. The loan is secured against an item of equipment.		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(237)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(373)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(610)
8.4	Cash and cash equivalents at quarter end (item 4.6)	1,236
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	1,236
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	2.03
	<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:	
	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:	

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:

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: .31 October 2023.....

Authorised by: ...Alex Neuling.....
(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.