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30 October 2020

SEPTEMBER 2020 QUARTERLY ACTIVITIES REPORT

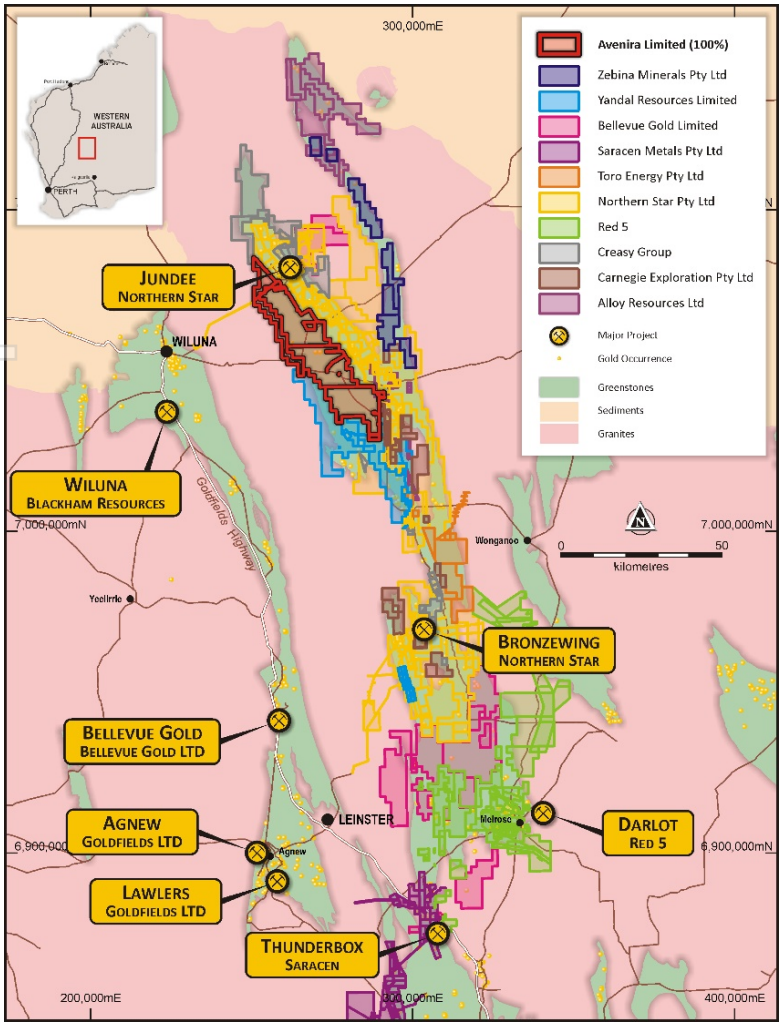
HIGHLIGHTS

- **Maiden Aircore Drilling commenced at Jundee South to test identified high priority targets**
- **$3.4 million Placement and Entitlements Issue completed to undertake a drilling program at the Company's Jundee South Project**
- **The Company continues to review additional gold projects and opportunities in Australia**

JUNDEE SOUTH GOLD PROJECT (Avenira 100%)

The initial aircore program at Jundee South has been designed to test high priority targets identified through historic drilling data and geophysics to enhance the Company's understanding of the large regional opportunity at Jundee South.

The Yandal Greenstone belt is located in the north-eastern part of the Norseman-Wiluna belt of the Archaean Craton in Western Australia. It is one of few Archaean greenstone belts containing multiple million-ounce deposits, including Jundee, Bronzewing and Darlot (Figure 1).



The Jundee South Project area is located within 3km of the Jundee Mine and covers more than a 60km strike of highly prospective greenstone stratigraphy. The project area contains major regional structures interpreted to control gold mineralisation through the Yandal Greenstone Belt and contains a number of historically defined gold occurrences.

Access is via a well-established road system. Accommodation and facilities including flight services are well established in the district, given the number of operating mines in the area.

Figure 1: *Jundee South Project location map*

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Project Review

Work undertaken during the quarter comprised a review of the Jundee South Project, including a geological re-interpretation based on drilling and geophysical data. The review identified prospective mafic stratigraphy not identified previously. The revised interpretation is displayed in Figure 2, with further detail provided in the ASX releases dated 4 June 2020 and 11 June 2020.

Avenira's exploration team identified targets using the controls evident at the neighbouring world-class gold mines:

1. Complex geology that allows focusing of gold bearing fluids into "gold traps"; lithologies that scavenge gold.
2. Multi-phased structural preparation: long lived structures that allow long lived passage of auriferous fluids and short-lived brittle structures that remobilise gold into high grade concentrations. Quartz veining and pervasive alteration are hallmarks of these processes.
3. Proximal intrusive activity that provides the heat engine to drive both gold bearing fluids and cause pervasive alteration.
4. Geochemical indicators that alert to the presence of gold in the system.

Twenty four targets were identified on these criteria, eight of which met all four criteria and as such were designated by Avenira to be Priority 1 targets (labelled in Figure 2). A further six Priority 2 targets were also identified which are being tested during this phase of drilling. The Priority 2 and 3 targets are also shown in Figure 2.

Overview of Priority 1 Targets

Details of the Priority 1 targets are detailed below with interpretations being displayed in Figure 2:

Target 1 (MF01): Interpreted as a possible repetition of the Jundee structural setting, with the intersection of a major NNW trending fault associated with the Nimary Fault and lesser NNE fault.

Target 2 (MF02): Interpreted similarity to the Jundee structural setting, with a dolerite dome sandwiched between two Barton Trend faults and dissected by lesser Nim and Kryten trend faults. These fault systems control gold mineralisation at Jundee. There has been no drilling in this area.

Target 3 (MF04): Interpreted large flexure in major NW fault or shear. The area is bound to the south by an ENE fault that is interpreted to define a corridor in that orientation that contains the Jundee Gold Mine and to the west by a major intrusive. This area has no previous assessment by shallow drilling.

Target 4 (MF03): A high thorium area prospective for laterite-style gold. Laterite gold is found in association with the Gourdi-Vause Gold Mines to the south of Jundee. This target is easily and simply assessed with surface rock chip sampling.

Target 5 (MF05): A southward closing fold consisting of an interpreted ultramafic unit, bracketed to the east and west by regional structures. Structural complexity and proximal intrusives, features of the Jundee Gold Mine, are present in this target. The area has been previously assessed by 800m-spaced lines of RAB that likely did not reach bedrock.

Target 6 (YaN11): A structural target sitting to the north east of a NNW trending magnetic high interpreted as a folded dolerite adjacent to multiple intrusives.

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Target 7 (YaN14): A possible fold nose interpreted in ultramafics or dolerites that represents a shallow plunging blind target sitting over complex geology (comprising granites, granodiorites, basalts, tuffs and porphyries). The previous sparse reconnaissance RAB drilling was inadequately followed up.

Target 8 (SH01): A never-before sampled area that lies on a potential fault offset of Yandal Resources Limited's Atlanta prospect, interpreted to be a magnetic ultramafic unit. Geological complexity, both lithological and structural, characterise this area.

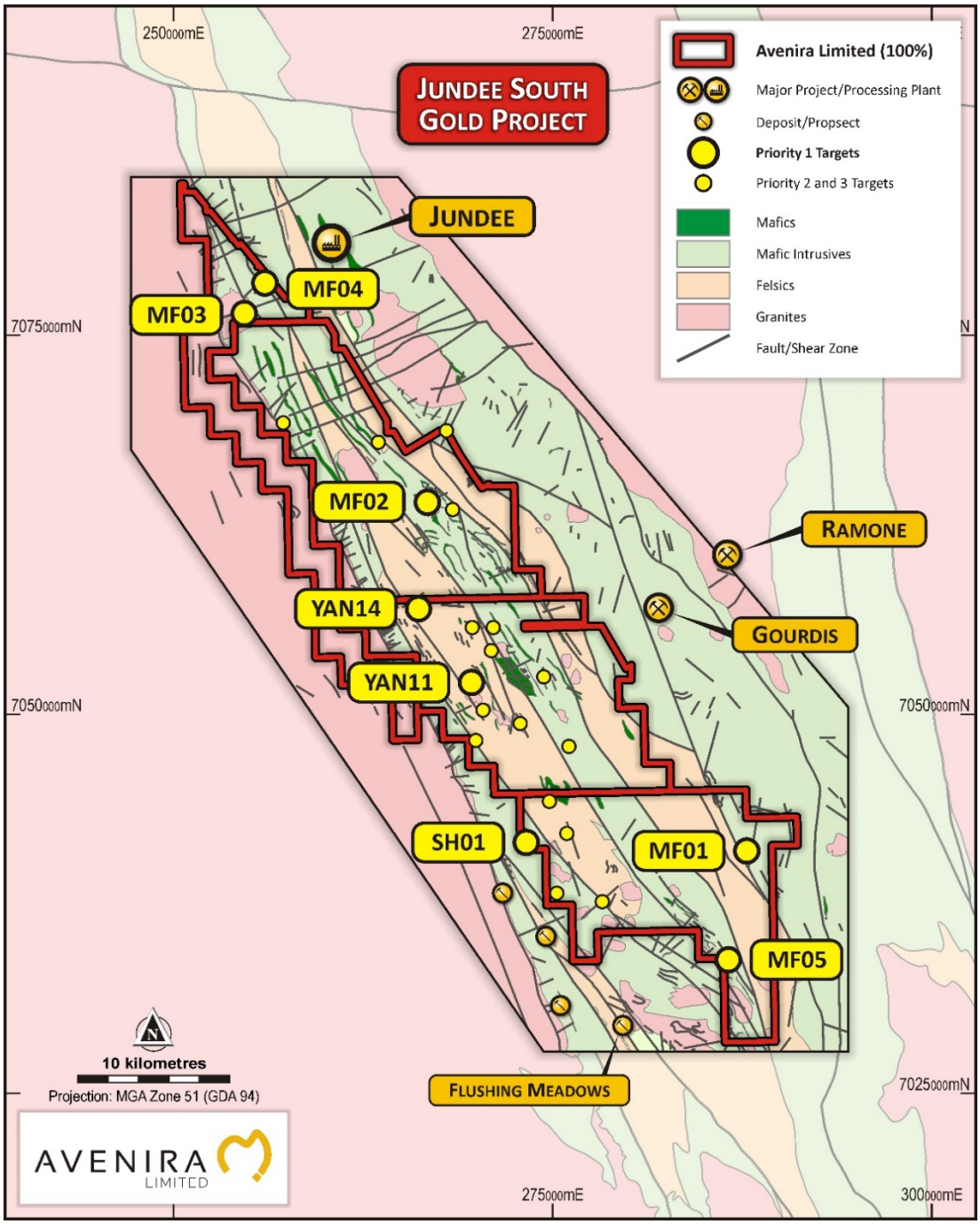


Figure 2: *Targets identified by Avenira at the Jundee South Project*

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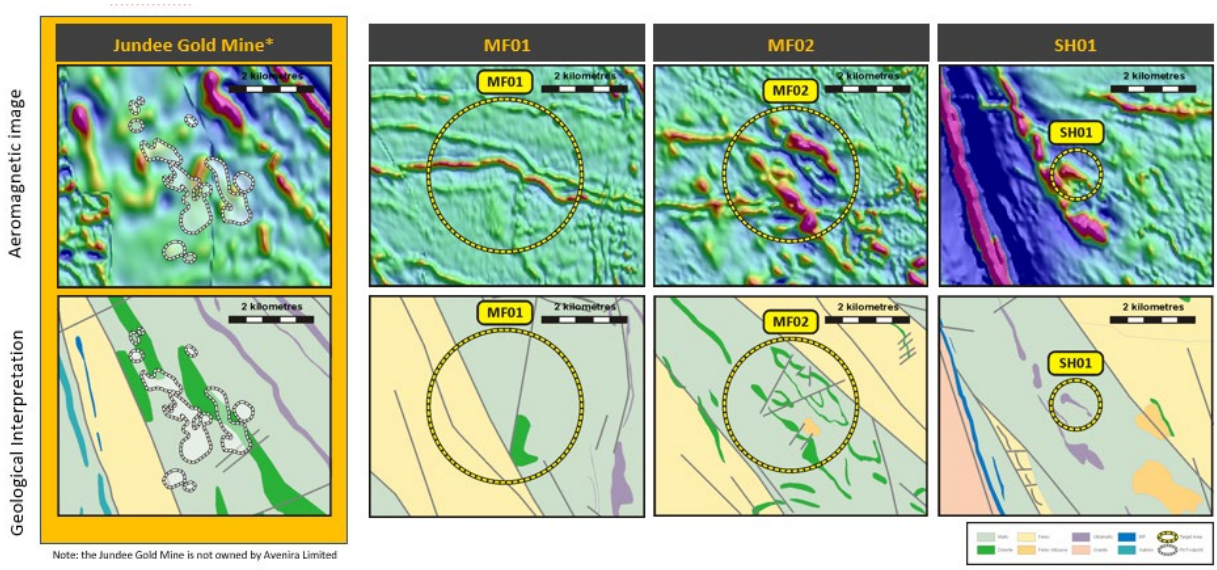


Figure 3. *Priority 1 targets share common features with nearby major mines including: early & late stage structure, dolerite host, ultramafics, near intrusives*

Ground Geophysics

As a prelude to drilling, four Priority 1 Targets were singled out for high resolution ground magnetic surveys, designed to help in identifying and precisely locating large regional faults and shears and smaller local faults and more accurately mapping rock contacts. Targets MF01, MF05, YaN12, and Yan14 were surveyed.

The surveys have produced data from which more precise interpretations have been made. As an example, Figure 4a (on the left) shows the regional aeromagnetic interpretation, while Figure 4b (on the right) shows the updated interpretation based on the ground magnetic data.

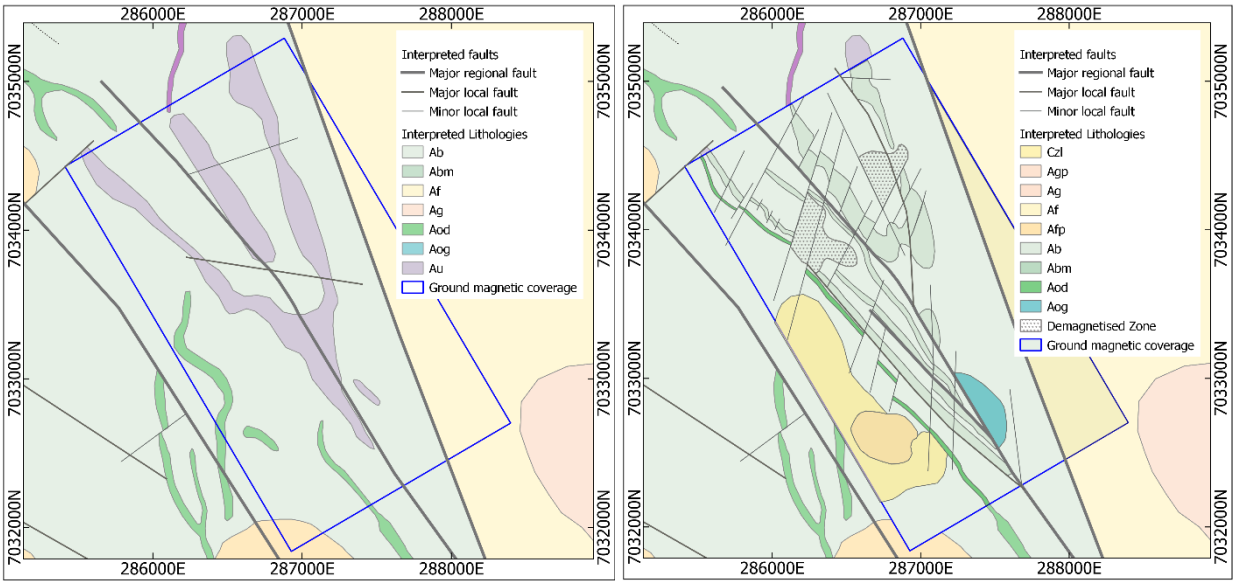


Figure 4: *Interpretation based on aeromagnetic data (Fig 4a - left) and interpretation based on ground magnetic data (Fig 4b - right)*

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The interpretation of the ground magnetic data is “live” as feedback from the drilling program is received. These surveys, once validated by drilling, will direct the use of further ground magnetic surveys.

Initial drilling results demonstrate Avenira is on the right track

The first indications from holes drilled into the Priority 2 YaN18 target are encouraging. The rocks show massive disruption by potentially mineralizing fluids resulting in common phyllic (Quartz-Sericite-Pyrite) alteration (Figure 5) which is an indicator of circulation of hydrothermal fluids, am important precursor for gold emplacement. Further detail is contained in the ASX releases dated 23 September 2020 and 2 October 2020.



Figure 5: *Aircore sample from hole JSA20_175 at 91-92 metres (end of hole) showing phyllic (Quartz-Sercitie-Pyrite) alteration and Quartz-Hematite veining with pyritic vein selvage.*

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WONARAH PHOSPHATE PROJECT, Australia NT (Avenira 100%)



Figure 6. Wonarah Location map

The Wonarah Phosphate Project is considered to be one of Australia's largest phosphate projects:

- Measured Resource of 64.9 Mt @ 22.4% P2O5
- Indicated Resource of 133 Mt @ 21.1% P2O5
- Inferred Resource of 352 Mt @ 21% P2O5 (15% cut-off)

Avenira commenced a review of the Wonarah Project in November 2019 and has since initiated a scoping study to consider whether the project may be able to be developed economically.

Avenira owns the exclusive Australian licence rights for an advanced super phosphoric acid production technology with Novophos Inc', a private company in the United States.

CORPORATE

Fully Underwritten Entitlements Issue and Placement

In the September Quarter, Avenira completed a Placement and Entitlements Issue to raise a total of A$3.4 million (before costs)

The Placement comprised 277.28 million New Shares, issued at $0.008 per Share to raise $2.2 million (before costs).

The Company also undertook a non-renounceable pro-rata entitlements issue (Entitlements Offer), under which eligible shareholders will have the opportunity to subscribe for two New Shares for every seven existing shares held at the same issue price of $0.008 per share.

The Entitlements Issue raised a further $1.2 million (before costs) and was fully underwritten by Taylor Collison.

OTHER

The expenditure incurred on exploration activities during the quarter as summarised in this report is approximately $220,000. No expenditure was incurred on mining production or development activities during the quarter.

Payments totalling approximately $258,000 were made to related parties of the Company, as shown in the Appendix 5B. These payments related to executive director consulting fees and non-executive directors fees.

CASH POSITION

At the end of the September 2020 Quarter, Avenira had a cash balance of $3.535 million.

This quarterly report has been authorised for release by the Board of Avenira Limited.

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Appendix 1 - JUNDEE SOUTH COMPETENT PERSON STATEMENT

Competent Persons Statement

The details contained in this report that pertain to exploration results are based upon information compiled by Mr Steve Harrison, a consultant to Avenira from the DMIRS WAMEX database. He is satisfied that previous pertinent exploration in the project area has been accessed and reflects, in general, the prospective nature of the tenements being considered. Mr Harrison is a Member of the Australian Institute of Geoscientists (AIG) and has sufficient experience in the activity which he is undertaking to qualify as a Competent Person as defined in the December 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Harrison consents to the inclusion in the report of the matters based upon his information in the form and context in which it appears.

Previously Reported Results

There is information in this report relating to Mineral Resource estimates which was previously reported on 15 Mar 2013 and 30 Apr 2014. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. 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.

Forward-Looking Statements

This release may include forward-looking statements. Forward-looking statements may generally be identified by the use of forward-looking verbs such as anticipate, aim, expect, intend, plan or similar words, which are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Avenira Limited. Actual values, results or events may be materially different to those expressed or implied in this release. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements. Any forward-looking statements in this release speak only at the date of issue. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Avenira Limited does not undertake any obligation to update or revise any information or any of the forward-looking statements in this release or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

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Appendix 2 - WONARAH TENEMENTS AND MINERAL RESOURCE STATEMENT

Schedule of Avenira Limited Tenements as at 30 September 2020

Location	Tenement Name	Tenement	Nature of Company's Interest
Western Australia	Jundee South	E53/1856	100%
Western Australia	Jundee South	E53/1859	100%
Western Australia	Jundee South	E53/2078	100%
Western Australia	Jundee South	E53/2079	100%
Northern Territory	Arruwurra	EL29840	100%
Northern Territory	Wonarah	EL29841	100%
Northern Territory	Dalmore	EL29849	100%
Northern Territory	Central Wonarah	EL31477	100%
Northern Territory	Wonarah Gap	EL32227	100%

Mineral Resource Statement

WONARAH PROJECT, NORTHERN TERRITORY, AUSTRALIA												
Cut off P_2O_5 %	Resource Category	Tonnes	P_2O_5	Al_2O_3	CaO	Fe_2O_3	K_2O	MgO	MnO	Na_2O	SiO_2	TiO_2
		Mt	%	%	%	%	%	%	%	%	%	%
10	Measured	78.3	20.8	4.85	28	1.11	0.43	0.25	0.04	0.1	39.7	0.21
	Indicated	222	17.5	4.75	23.2	1.49	0.47	0.2	0.04	0.09	48.3	0.22
	M+I	300	18.3	4.77	24.4	1.4	0.46	0.21	0.04	0.09	46.1	0.22
	Inferred	512	18	4.8	24	2.1	0.5	0.2	0.08	0.05	46	0.2
15	Measured	64.9	22.4	4.47	30	1.1	0.37	0.19	0.04	0.09	37	0.19
	Indicated	133	21.1	4.77	28	1.53	0.47	0.21	0.04	0.09	39.7	0.22
	M+I	198	21.5	4.67	28.7	1.39	0.44	0.2	0.04	0.09	38.8	0.21
	Inferred	352	21	4.5	28	2.0	0.5	0.2	0.10	0.06	39	0.2

Appendix 5B

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

Name of entity

AVENIRA LIMITED

ABN	Quarter ended ("current quarter")
48 116 296 541	30 September 2020

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 (if expensed)	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(333)	(333)
	(e) administration and corporate costs	(453)	(453)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	1	1
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other – Net GST / VAT refund	87	87
1.9	**Net cash from / (used in) operating activities**	**(698)**	**(698)**

2.	**Cash flows from investing activities**		
2.1	Payments to acquire:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation (if capitalised)	(220)	(220)
	(e) investments	-	-
	(f) other non-current assets	-	-

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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**	**(220)**	**(220)**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	3,364	3,364
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	(197)	(197)
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**	**3,167**	**3,167**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	1,286	1,286
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(698)	(698)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(220)	(220)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	3,167	3,167

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**	**3,535**	**3,535**

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	2,000	844
5.2	Call deposits	1,535	442
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)**	**3,535**	**1,286**

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	258
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

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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)	(698)
8.2	Capitalised exploration & evaluation (Item 2.1(d))	(220)
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	(918)
8.4	Cash and cash equivalents at quarter end (Item 4.6)	3,535
8.5	Unused finance facilities available at quarter end (Item 7.5)	-
8.6	Total available funding (Item 8.4 + Item 8.5)	3,535
8.7	**Estimated quarters of funding available (Item 8.6 divided by Item 8.3)**	3.85

8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:

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

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

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

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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: ....30 October 2020.....

Authorised by: .....By the Board of Avenira Limited.....
(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.

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