



Quarterly Report to 30 June 2024

- ◆ **Kumar Arunachalam joins Board of Directors**
- ◆ **Muchea West mining licence application (MLA70/1422) progressed**

Carbine Resources Limited (ASX: CRB) (Carbine, the Company) is pleased to provide the following update on its operations over the quarter ended 30 June 2024.

The Company is pleased to advise that Mr Kumar Arunachalam has joined the Board as a Non-Executive Director. Kumar has extensive experience in geological and hydrogeological investigations and has successfully managed environmental studies, approvals, tenements, native title and exploration programs.

Importantly, Kumar is familiar with Carbine's two silica sands projects as he was a founding director of Australian United Silica Corporation Pty Ltd ("AUSCO") until July 2021 when it was acquired by Carbine Resources Limited. In this role, he liaised with the Commonwealth Departments of Finance, Defence and Environment and successfully obtained approvals for land access at the Muchea West Silica Sand Project as well as organising and managing exploration programs, environmental studies, geophysical surveys, Heritage clearances, drilling and environmental reporting. At the Bunbury Silica Sands Project, Kumar was involved with the identification of areas of potential that Carbine will be focusing on in future work programs.

Muchea West Silica Sand Project



Figure 1: Project locations

Project Overview

The Muchea West Project is located approximately 40km north-northeast of Perth and approximately 500m to the west of Muchea (Figure 1). Covering a land area of 102km², the Project consists of a granted exploration licence, E70/4905, and a Mining Licence Application, MLA70/1422 (Figure 2). There is excellent access with the nearby Tonkin Highway and the Moora-Kwinana Railway providing a direct connection with the Kwinana Bulk Terminal, key for bulk transport projects.

The Muchea West Project currently hosts a resource of 110Mt at 99.65% SiO₂¹ and an Exploration Target of 762 Mt to 938 Mt of Silica Sand at an average grade of 99.6% to 99.8% SiO₂².

The high silica (SiO₂) grade and the low levels of impurities of the raw, in situ, deposit places Carbine at the forefront of existing Australian silica sand projects.

¹ Refer to ASX announcement dated 30 October 2023.

² Refer to ASX announcement dated 4 July 2022. The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate further Mineral Resources and it is uncertain if further exploration will result in the estimation of additional Mineral Resources.



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Preliminary process testwork has demonstrated that a simple process of wet attritioning alone can reduce the Muchea West Fe_2O_3 content by 65% with similar reductions in the other deleterious elements for the Muchea West silica sand.

Planned Exploration Activities

As previously advised to shareholders (refer ASX Announcement dated 3 April 2024), the Company completed the design of a hand auger drilling program to be completed on E70/4905 outside the application area of MLA70/1422 and aimed at increasing and upgrading the existing resource. Following the appointment of Kumar Arunachalam, the Company has commenced a review of proposed exploration activities taking advantage of Kumar's knowledge and experience with both the Muchea and Bunbury projects. Commencement of the proposed exploration program has been delayed pending completion of the review, which is expected to be completed in the coming weeks. Further updates will be provided to shareholders once the review has been completed.

Mining Licence Application

The Muchea West mining licence application (MLA70/1422) was lodged in December 2022 and recommended for grant on 18 April 2023. During the quarter, Carbine liaised with key stakeholders including the office for the Minister of Mines, DEMIRS and the Department of Defence to better understand the delays to grant and progress the mining licence application. Carbine is now working to finalise the outstanding actions required to facilitate the grant of the application, which are expected to be completed in the next quarter.

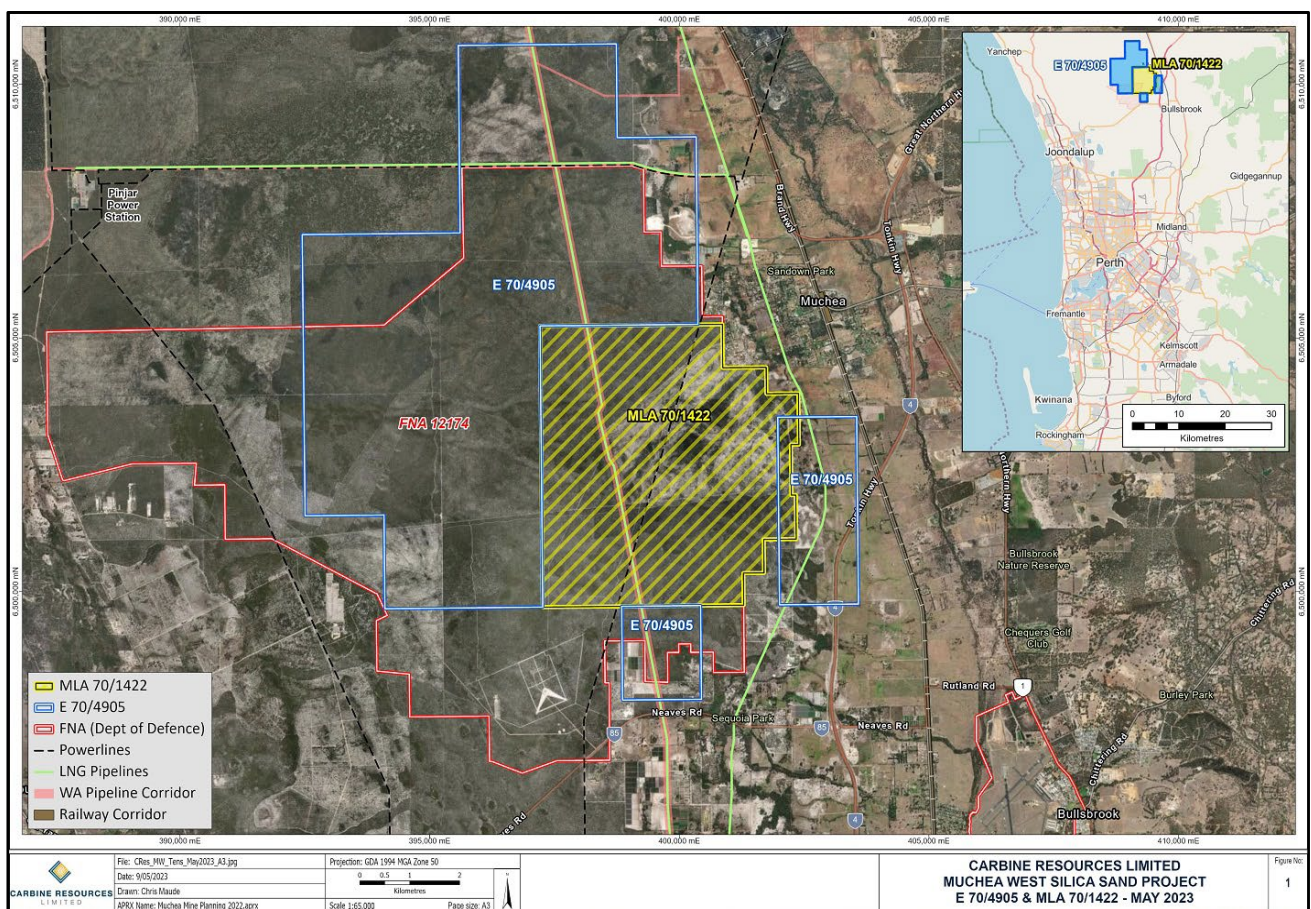


Figure 2: Muchea West Project with MLA70/1422



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Other Tenure

As previously advised to shareholders (refer ASX Announcement dated 14 September 2023), Carbine entered into an agreement with NXT1 Pty Ltd ("NXT1") to acquire exploration licence applications E70/6450, E70/6451, E70/6452 and E70/6453, which were made by NXT1 following Carbine's surrender of 14 graticular blocks contained in E70/4905 (most of which are covered by MLA70/1422).

On 4 April 2024, as an important step towards finalising the agreement with NXT1 the Company successfully lodged exploration licence applications E70/6622, E70/6623, E70/6624 and E70/6625 over the ground the subject of the above NXT1 applications. The NXT1 applications and a competing application made by Aurea Productions Pty Ltd were subsequently withdrawn, resulting in Carbine's exploration licence applications being first in line. Carbine has already progressed E70/6624 to grant and continues to progress the other pending exploration licence applications towards grant.

Bunbury Silica Sands Project

Project Overview

The Bunbury Silica Sands Project covers a land area of 5,800Ha (58km²) consisting of three granted exploration licences, E70/5823, E70/6414 and E70/6415. The Project is located approximately 10km southeast of Bunbury in the Wellington Land Division of the Southwest Mineral Field (Figures 1 & 3) and within the shires of Capel (5,093Ha) and Dardanup (703Ha) (see Figure 3). The area can be located on the Collie (SI50 – 06) 1:250,000 map sheet and the Bunbury (2031) 1:100,000 map sheet.

The ground has been the subject of numerous drilling programs, predominantly for mineral sands, but at least three companies have explored for silica sands.

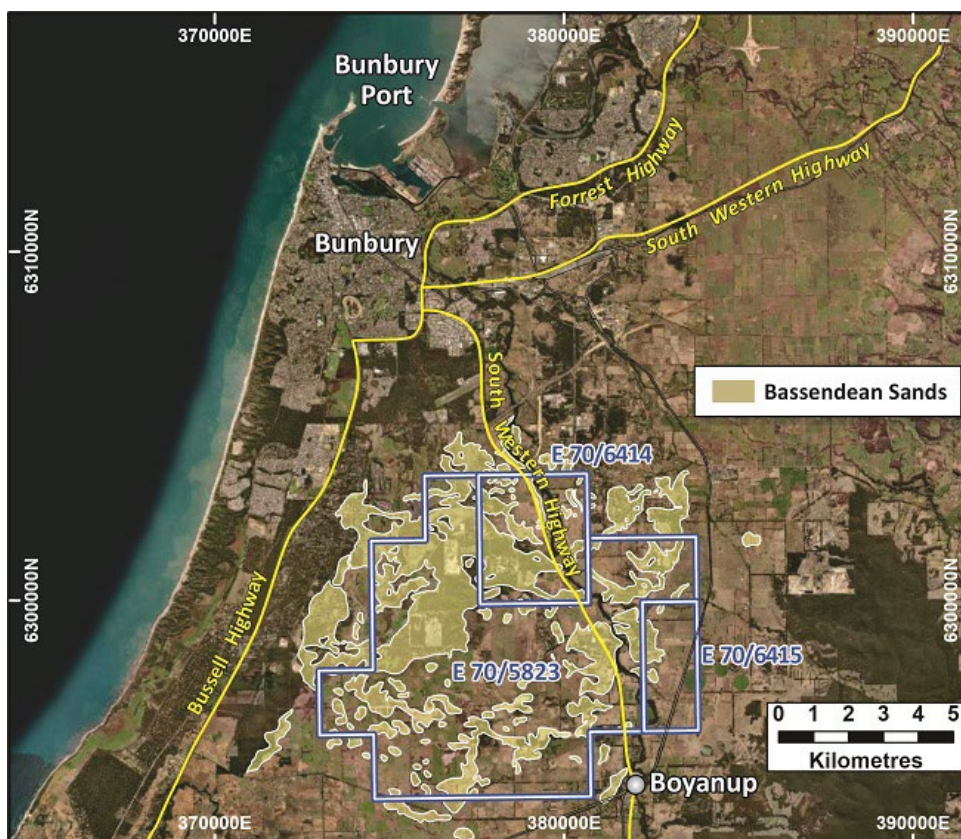


Figure 3: Bunbury Silica Sands Tenement Locations



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Work completed by Westralian Sands prior to 1970 identified a number of areas of interest (Areas A, B and C shown in Figure 4) and the culmination of this work led to a small mining operation to test the economics of a silica sand export project from their Area A location. Later, Australian United Silica Corporation Pty Ltd (AUSCO) mapped surface expressions of white sand and produced an outline of areas of potential (1, 2 and 3 shown in Figure 4).

Planned Exploration Activities

Carbine completed its data review at the Bunbury Silica Sands Project earlier in the year.

As noted above, the appointment of Kumar Arunachalam allows the Company to take advantage of his precious work and extensive experience with the project and the planned exploration activities at the project are now being reviewed. Commencement of proposed exploration activities has been delayed pending completion of the review, which is expected to be completed in the coming weeks. Further updates will be provided to shareholders once the review has been completed.

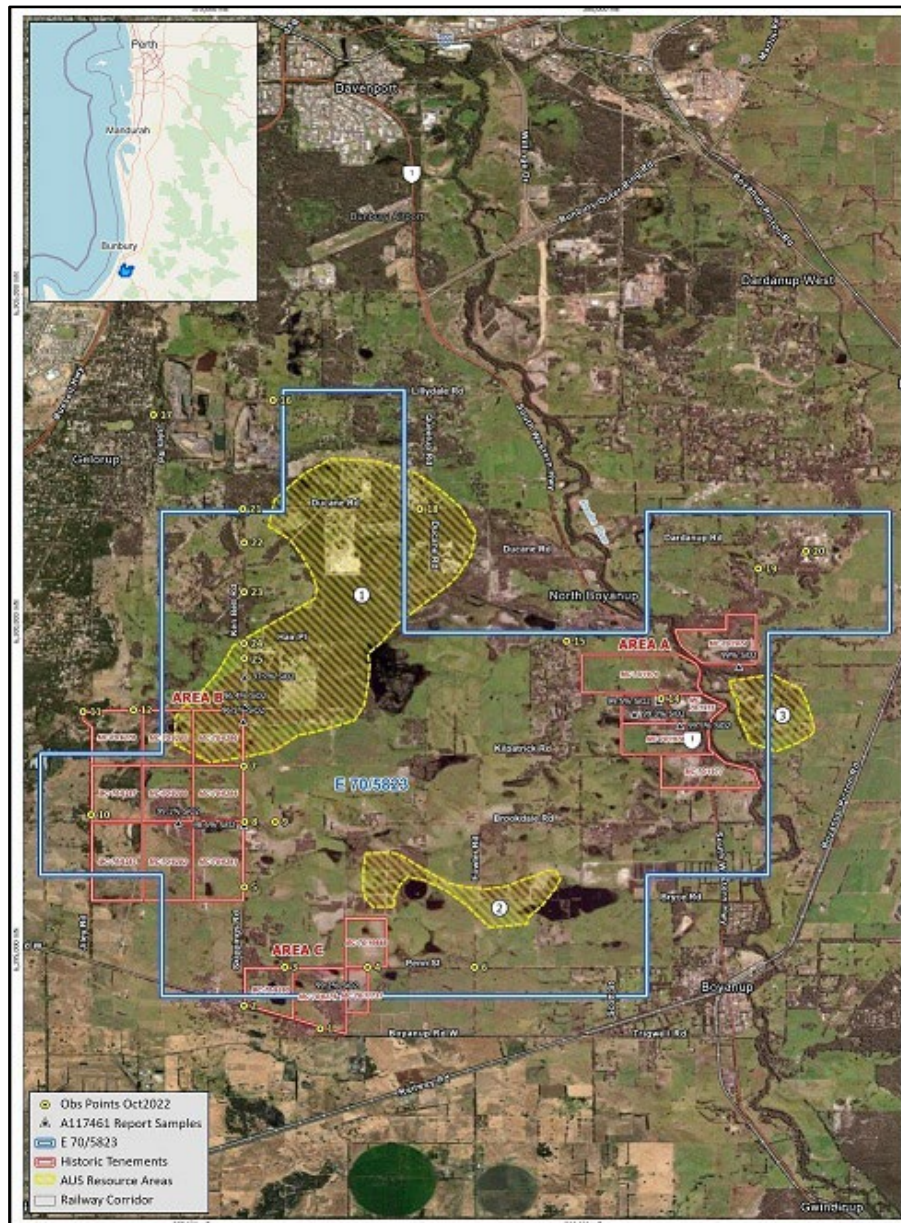


Figure 4: Areas of Interest at Bunbury Silica Sands Project



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Corporate

The Company's annual general meeting was held on 31 May 2024 with resolutions 1 and 3 to 12 (inclusive) passed. As resolution 1 with respect to the remuneration report was passed, resolution 2 regarding a spill was withdrawn accordingly.

During the quarter agreements were signed with each of Australian Mining and Exploration Group Pty Ltd and Brenton Parry (together, "Royalty Holders") to settle claims relating to royalty deeds between each of the Royalty Holders and the Company's wholly owned subsidiary Australian United Silica Corporation Pty Ltd ("AUSCO") for the Muchea West Silica Sand Project on a conditional basis. Refer to the ASX Announcement dated 3 April 2024 for further details.

This announcement has been authorised for release by the Board of Carbine Resources Ltd.

For further information, please contact:

James Pearse – Non-executive Director	+61 (8) 6142 0986
Glenn Whiddon – Non-executive Director	+61 (8) 6142 0986
Brett Grosvenor – Non-executive Director	+61 (8) 6142 0986
Kumar Arunachalam – Non-executive Director	+61 (8) 6142 0986

COMPETENT PERSON'S STATEMENT

The mineral resource estimate in this announcement was reported by the Company in accordance with listing rule 5.8 on 30 October 2023. The Company confirms it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions and technical parameters underpinning the estimate in the previous announcement continue to apply and have not materially changed.

The information in this report that relates to technical assessment of the Exploration Target for the Muchea West Silica Sand Project is based on, and fairly represents, information and supporting documentation prepared by Mr Lynn Widenbar BSc(Hons), MSc, DIC, a Competent Person who is a member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Widenbar is an employee of Widenbar and Associates Pty Ltd. Mr Widenbar has sufficient experience that is relevant to the technical assessment of the mineral assets under consideration, the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The Exploration Target was first reported by the Company on 29 July 2021 and subsequently revised on 4 July 2022 with the estimation of the maiden resource at Muchea West. There has been no change to the Exploration Target with the updated resource estimation on 30 October 2023.

Mr Widenbar consents to the inclusion of the matters based on his information in the form and context in which it appears in this Presentation and has not withdrawn his consent before lodgement of this report.



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LIMITED

Appendix 1: Carbine's Tenement Interests

The following information is provided pursuant to Listing Rule 5.3.3 for the quarter ended 30 June 2024:

Project	Tenement Number	Status	Beneficial Ownership
Muchea West Silica Sands Project	E70/4905	Granted	100%
Muchea West Silica Sands Project	MLA70/1422	Pending	100%
Muchea West Silica Sands Project	E70/6622	Pending	100%
Muchea West Silica Sands Project	E70/6623	Pending	100%
Muchea West Silica Sands Project	E70/6624*	Pending	100%
Muchea West Silica Sands Project	E70/6625	Pending	100%
Down South Silica Project	E70/5823	Granted	100%
Down South Silica Project	E70/6414	Granted	100%
Down South Silica Project	E70/6415	Granted	100%

**Granted subsequent to quarter end on 27 July 2024.*

As noted above, pursuant to the agreement reached with NXT1 Pty Ltd (refer to ASX Announcement dated 14 September 2023) the Company secured a 100% beneficial interest in exploration licence applications E70/6450, E70/6451, E70/6452 and E70/6453, which have subsequently been withdrawn in place of E70/6622, E70/6623, E70/6624 and E70/6625 lodged by the Company on 4 April 2024.

Other than as noted above, no interests were disposed of or acquired during the quarter.

Appendix 2: Exploration Expenditure & Related Party Payments

In line with its obligations under ASX Listing Rules 5.3.1 and 5.3.5, Carbine Resources Limited notes the following in relation to the period ended 30 June 2024 as advised in the Appendix 5B:

- expenditure of \$22k incurred on exploration and evaluation during the quarter related primarily to project evaluation and review at the Company's Muchea West and Bunbury Silica Sands Projects, tenement rents and tenement application fees; and
- payments to related parties of the Company pertain to non-executive directorship fees, consulting fees and company secretarial fees.

Appendix 5B

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

Name of entity

CARBINE RESOURCES LIMITED

ABN

81 122 976 818

Quarter ended ("current quarter")

30 JUNE 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	(22)	(54)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(35)	(82)
	(e) administration and corporate costs	(96)	(294)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	10	20
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other	-	-
1.9	Net cash from / (used in) operating activities	(143)	(410)
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-

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	-	-
2.6	Net cash from / (used in) investing activities	-	-

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	(7)	(7)
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	(7)	(7)

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	1,001	1,268
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(143)	(410)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(7)	(7)

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	851	851

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	151	101
5.2	Call deposits	700	900
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)	851	1,001

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	50
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.

Amounts shown at item 6.1 comprise of payments to related parties (or their associates) relating to director fees, consulting fees and company secretarial fees paid during the quarter.

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	-	-
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)	(143)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(143)
8.4	Cash and cash equivalents at quarter end (item 4.6)	851
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	851
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	5.95
	<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	
	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	
	<i>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.</i>	

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 July 2024**

Authorised by: **By the Board**

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.