



31 January 2023

QUARTERLY ACTIVITIES REPORT Quarter Ended 31 December 2022

HIGHLIGHTS:

- Update on the Mt. Berghaus Exploration Licence
- Change and restructure of the Board
- ASX Code Change to Mantle Minerals Ltd
- Commencement of JORC Mineral Resource Estimate for Highway deposit, Pardoo
- Refocus on gold exploration

Mantle Minerals Limited (**ASX:MTL**) ("the Company") is pleased to provide the following report on its activities for the quarter ended 31 December 2022.

EXPLORATION STRATEGY

Mantle has shifted its focus back to gold exploration, to capitalise on the recent success of De Grey Mining Limited (ASX:DEG) in its discovery of 10.6Moz of gold at Hemi on tenements immediately south of Mantle's exploration tenements at Roberts Hill (granted) and Mt Berghaus (not yet granted). During the December quarter 2022 the Company provided a positive update on the progress of Mount Berghaus summarised below.

The Company will follow up the intersection of Hemi-style mineralisation from previous aircore drilling last year at Roberts Hill (announced 25 January 2022) with a combination of ultrafine geochemical sampling, regional geological targeting and geophysical techniques, to drive the identification and prioritization of drilling targets over Mantle's large exploration tenement area. Planning for this work is underway, including an orientation survey for ultrafine geochemical sampling, to determine the effectiveness of this method and to inform future planning of geochemical surveys. The Company expects to provide more details on this planning work in the current quarter.

Work on the Pardoo nickel sulphide project will continue, but the Company is not planning any more field work, or drilling, at Pardoo in the near term. The Company has now completed adequate drilling to complete a JORC (2012) Mineral Resource Estimate on the Highway deposit and work is already underway. Desktop studies on the Pardoo

project will continue and the Company will undertake a geophysical review following recent completion of a new geological model.

SUMMARY OF EXPLORATION ACTIVITIES

Mt. Berghaus Exploration Licence Update

The Company provided an update on the application for exploration licence 45/5041 referred to as Mt Berghaus, located in the Mallina Basin, Pilbara WA.

The Company received a positive decision from the Supreme Court on 31 October 2022 and the Company can now proceed with presenting the findings of the Supreme Court to the Warden's Court - Department of Mines and Petroleum, to continue due process for granting the tenement.

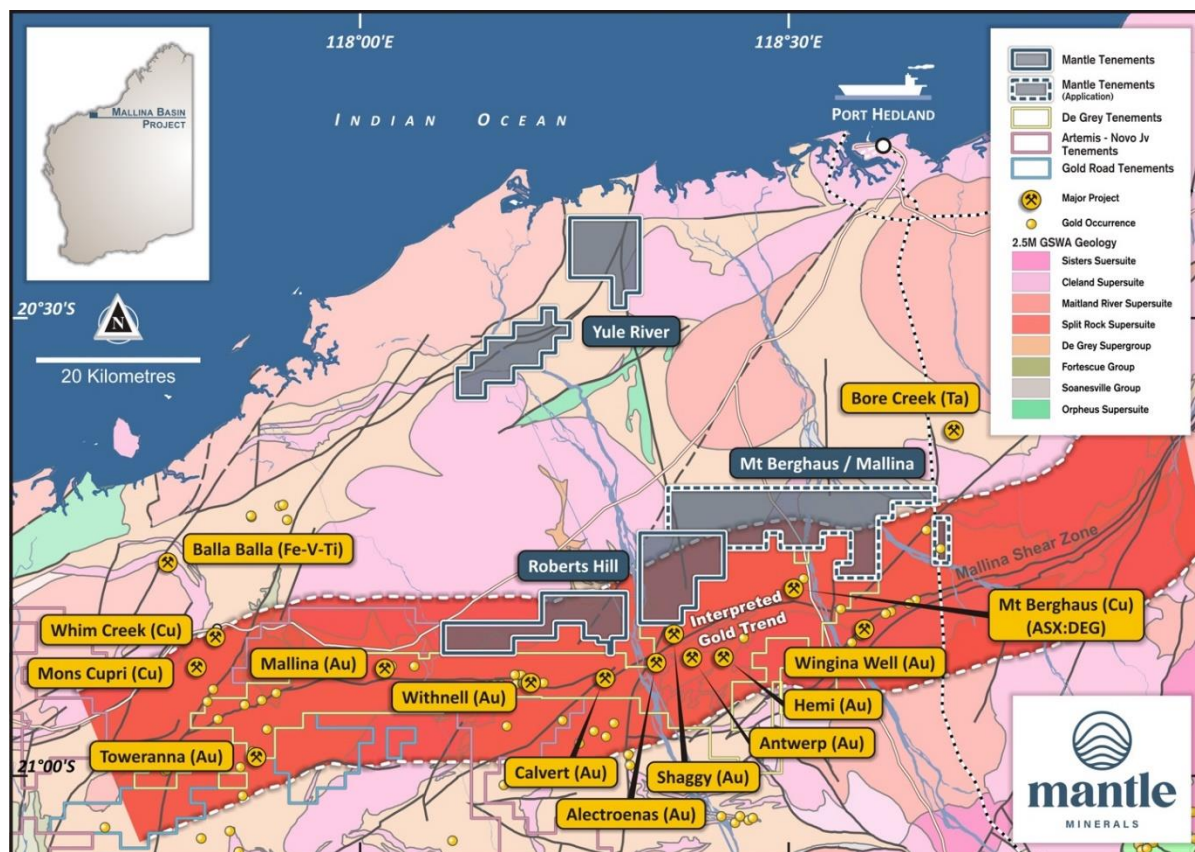
The Company is still unable to give a credible timeline for the tenement grant. However, there are no indications to our knowledge that the tenement cannot be granted.

The findings from this judgment can be found at:

<https://ecourts.justice.wa.gov.au/eCourtsPortal/Decisions/DownloadDecision?id=0960dc43-c155-4f18-95bb-4f7fd9b617a7>

Mantle believes that the Mt Berghaus tenement lies within an interpreted regional gold trend that includes the recent discovery of 10.6Moz of gold resources at Hemi and its satellite deposits (ASX:DEG). See Figure 1.

Figure 1: Location map showing Mt Berghaus /Mallina tenements (under application)



Pardoo Phase two RC Drilling

On 19 January 2023, the Company announced that the second phase of drilling at the Highway Nickel Deposit within the Pardoo nickel sulphide project returned wide intercepts of up to 68m grading 0.44% Ni and 0.1% Cu. These intersections confirmed the results from phase one drilling; and positioned the Company to prepare for a Minerals Resource Estimate under the JORC (2012) code in the first quarter of 2023

Best intercepts include:

- CPRC017 **68m @ 0.44 % Ni** from 57m
- CPRC023 **111m @ 0.37% Ni** from 159m
- CPRC018 **81m @ 0.39 % Ni** from 102m
- CPRC028 **24m @ 0.43 %Ni** from 138m
- CPRC033 **24m @ 0.41 % Ni** from 176m

The mineralisation remains open both along strike and at depth.

The Company previously announced completion of the 20-hole, 4157m Reverse Circulation (RC) drilling program at the Highway Deposit on 8th September 2022. This program was designed to infill existing drilling, increase the confidence in geological and grade continuity with the deposit, and to hopefully convert a substantial part of the mineralisation to JORC (2012) Indicated Resource status. A complete table of all significant intersections is provided below (Table 1).

Figure 2 is a plan view of the resource showing the Phase 2 program, the closer drill hole spacing between previous drilling lines, and some of the significant intersections. It is also evident from the distribution of intersections that the mineralisation pinches and swells along strike, which is consistent for nickel deposits of this type. Hole CPRC017 (68m @ 0.44 % Ni from 57m), along with previous drilling, confirms that the mineralisation is thickening towards the southern limits of the current envelope of mineralisation. This demonstrates excellent potential for additional mineralisation further along strike towards the south, whilst possibilities remain for extensions towards the north.

Figure 2: Plan view of Highway Deposit showing some of the significant intercepts from phase 2 drilling in red, within the interpreted envelope of mineralisation (Coordinates: MGA94, Zone51).

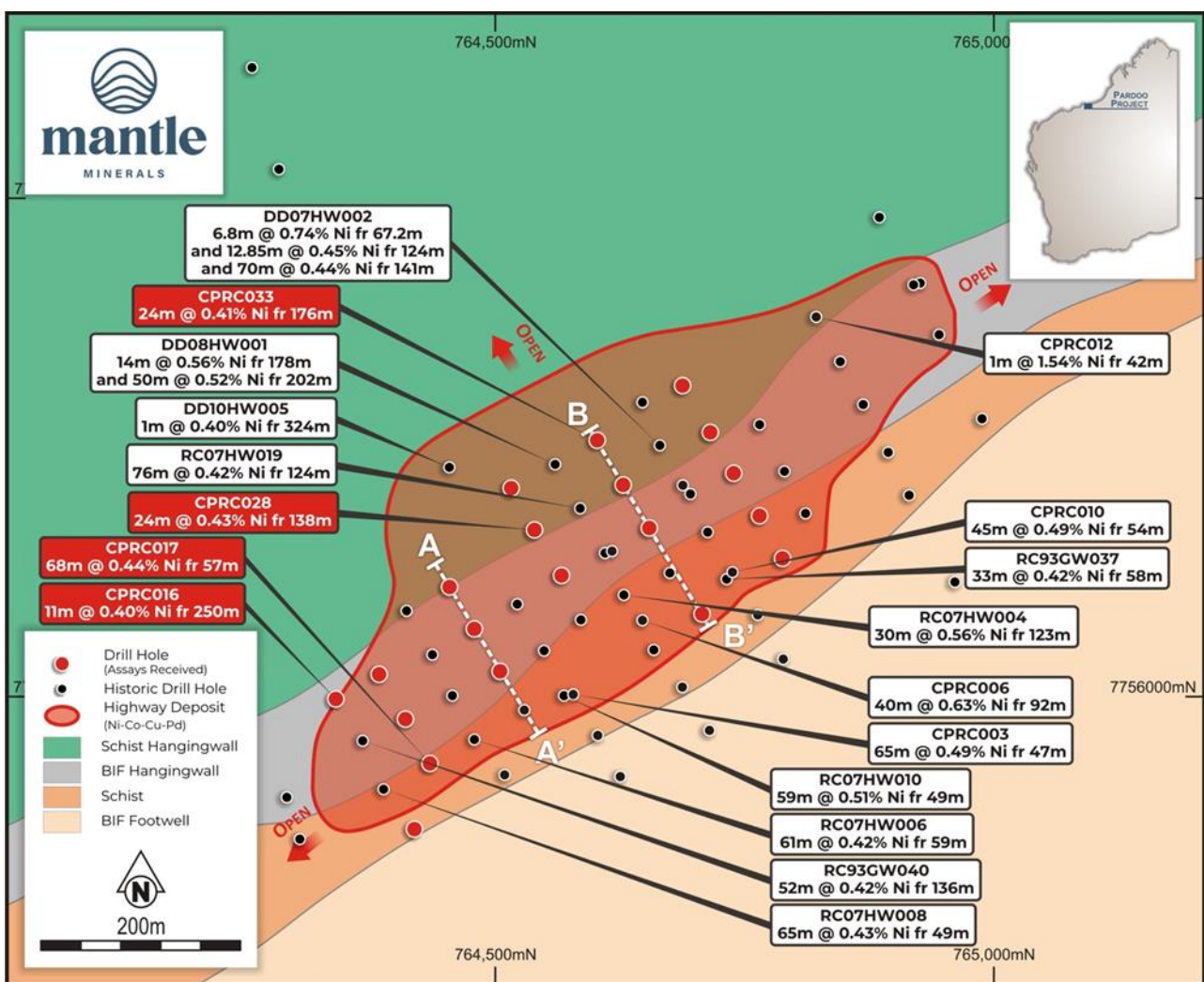


Figure 3 is an oblique cross section showing new drilling that extends mineralisation down dip from previous drilling (CPRC014). Whilst the grades on this section fall below 0.4% Ni, drill hole CPRC023 (111m @ 0.37% Ni from 159m) seems to have a very wide apparent width, which positively confirms the continuity of mineralisation at depth. The actual width of mineralisation in CPRC023 is interpreted to be around 40m wide, which would be consistent with intersections above.

Figure 3: Oblique Cross Section AA' showing phase 2 drilling, significant intersections and interpreted envelope of mineralisation for the Highway Deposit (Coordinates: MGA94, Zone51).

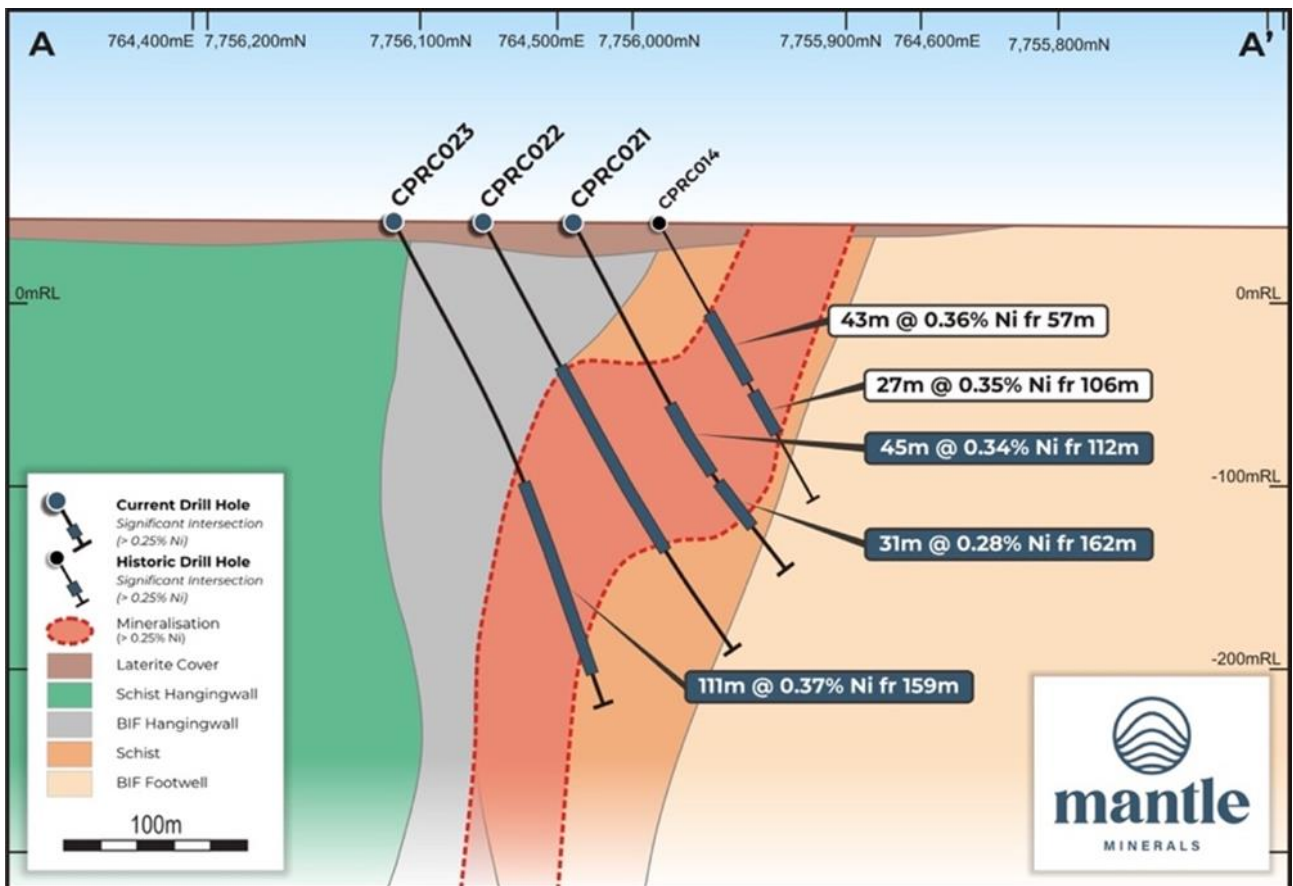
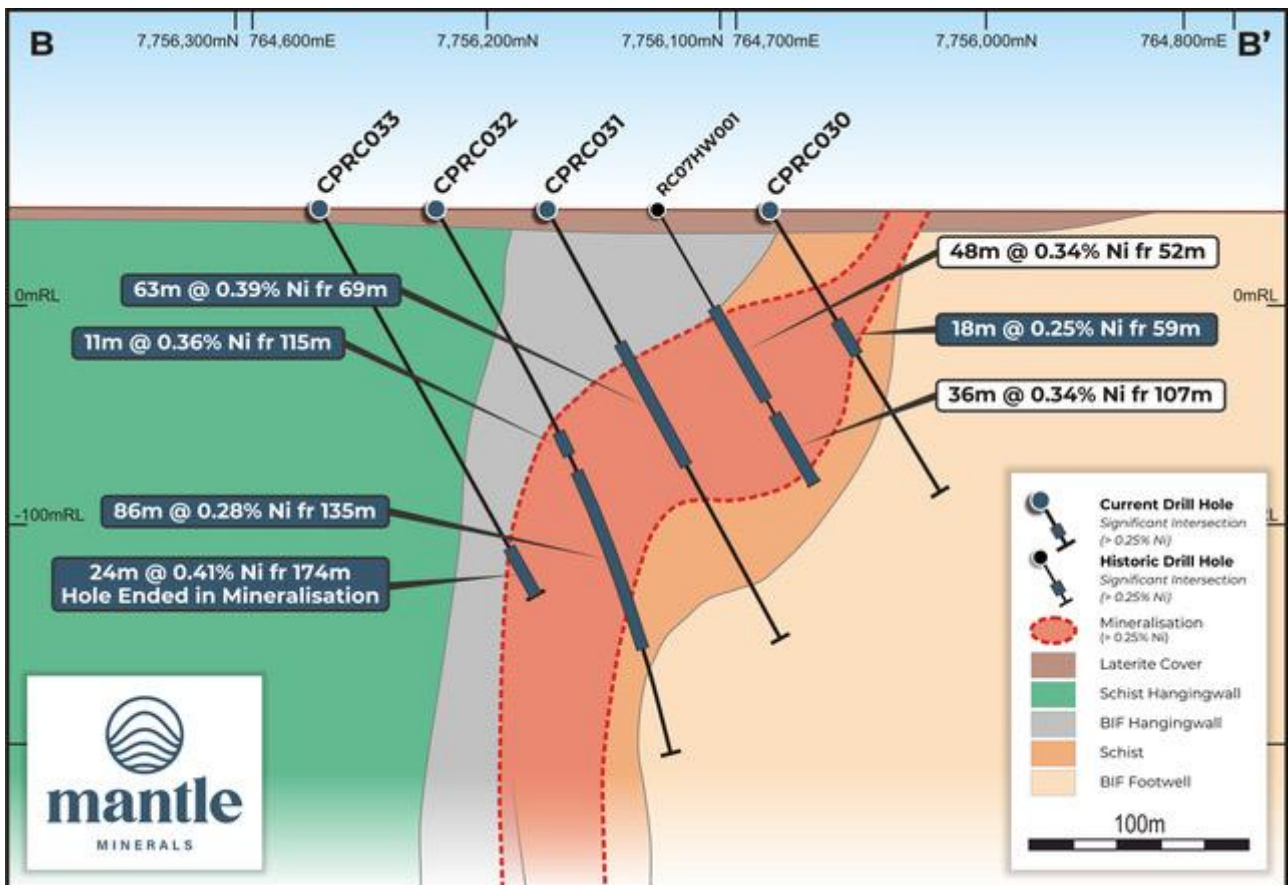


Figure 4 is another oblique cross section showing the new drilling with strong grade and width continuity at depth. This drilling confirms that the dip of mineralisation becomes steeper with depth. Unfortunately, hole CPRC033 (24m @ 0.41% Ni from 174m) ended prematurely, still in mineralisation.

Figure 4: Oblique Cross Section BB' showing phase 2 drilling, significant intersections and interpreted envelope of mineralisation for the Highway Deposit (Coordinates: MGA94, Zone51).



CORPORATE

General Meeting of Shareholders

The Company held its General Meeting of Shareholders on 30 November 2022 and all resolutions, except resolution 8, were passed on a poll.

Board Change

On 6 December 2022, the following Board and Management changes were announced:

The Board of Mantle Minerals Ltd announced the appointment of Mr David Greenwood as Non-Executive Director. Mr Greenwood has 35 years of experience and has worked internationally in the resources industry in exploration, production, marketing, business development, and investment analysis. Mr Greenwood also has specific expertise in resource evaluation and financing, from exploration through to mine development.

Mr Johnathon Busing also joined the Board as a Non-Executive Director. Mr Busing is an experienced Company Secretary and corporate advisor.

Executive Director Mr Nicholas Poll assumed the role of Executive Chairman of the Company.

The Company also advised that Davide Bosio and Dean Tuck resigned to pursue other business interests.

ASX Code Change

The Company, formerly Caeneus Minerals Limited (ASX:CAD), advised the change of name and code to Mantle Minerals Limited (ASX: MTL) following shareholder approval at the Annual General Meeting of Shareholders. The Company's change of name and code applied from the commencement of trading on Wednesday, 7 December 2022.

The Company's Constitution was updated to reflect the change of name.

Payment to Related Parties

The Company advises the payments in section 6.1 of Appendix 5B for the quarter related to Director fees.

Summary of Exploration Expenditure

In accordance with Listing Rule 5.3.1, the Company advises the cash outflows on its mining exploration activities reported in 1.2(1) of its Appendix 5B for the December 2022 quarter and detailed above were, Pardoo \$527,120 and Mallina Basin \$32,214.

This announcement has been authorized for release by the Mantle Minerals Limited Board of Directors.

For Further Information, please contact:

Nick Poll

Executive Chairman
+61 6102 2656

Johnathon Busing

Non-Executive Director/Company Secretary
+61 8 6165 8858

Competent Person Statement

The information contained in this report to exploration results relates to information previously announced by the Company and the Company is not aware of any new information which materially affects the information included in those announcements. The information was compiled or reviewed by Mr Nick Poll. Mr Poll is the Company's Executive Chairman. Mr Poll has sufficient experience of relevance to the styles of mineralization and the types of deposits under investigation, and to the activities undertaken to qualify as a Competent Person as defined in the 2012 edition of the Joint Ore Reserve Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

Forward-Looking Statement Disclaimer

This announcement contains forward-looking statements that involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions, or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions, and strategies described in this announcement. No obligation is assumed to update forward-looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

CORPORATE INFORMATION

Board

Nick Poll	Executive Chairman
David Greenwood	Non-Executive Director
Johnathon Busing	Non-Executive Directors

Registered Office and Principal Place of Business

Ground Floor
168 Stirling Highway
Nedlands WA 6009
Telephone: +61 8 6102 2656

Forward Shareholder Enquiries to

Advanced Share Registry Pty Ltd
110 Stirling Highway, Nedlands WA 6009
Telephone: +61 8 9389 8033

Issued Share Capital

As at the date of this report, the total fully paid ordinary shares on issue were 5,345,605,074.

Appendix 5B

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

Name of entity

MANTLE MINERALS LTD

ABN

42 082 593 235

Quarter ended ("current quarter")

31 December 2022

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	(559)	(1,672)
(b) development	-	-
(c) production	-	-
(d) staff costs	(130)	(204)
(e) administration and corporate costs	(196)	(434)
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	-	-
1.8 Other (GST Refund)	123	183
1.9 Net cash from / (used in) operating activities	(762)	(2,127)

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

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

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

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	2,718
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	(83)	(101)
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	(83)	2,617

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	2,670	1,335
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(762)	(2,127)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(3)	(3)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(83)	2,617

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

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (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	1,822	1,822

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	1,822	2,670
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)	1,822	2,670

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	68
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.

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

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

8. Estimated cash available for future operating activities	\$A'000
8.1 Net cash from / (used in) operating activities (item 1.9)	(762)
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)	(762)
8.4 Cash and cash equivalents at quarter end (item 4.6)	1,822
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	1,822
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	(2.391)
<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:	

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

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

Answer:

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 January 2023

Authorised by: The Board of Mantle Minerals Limited

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.