



## Activities Report for the Quarter Ended 30 June 2022

**13 July 2022**

Mount Ridley Mines Ltd (ASX: MRD) (or “the Company”) is pleased to provide the following report for the Quarter ending 30 June 2022.

### HIGHLIGHTS

- A further 328 aircore holes completed this quarter, targeting regional rare earth element (REE) mineralisation at the Company’s Mount Ridley Project.
- A total of 409 holes have now been completed for 18,927m with 8,497 samples at the laboratory. A shortage of personnel at the laboratory has resulted in extensive delays in assay turn-around time.
- A program of works (“POW”) has been approved for Stage 3 - Primary Target expansion drilling, which will resume after the winter rain cycle.
- The POW provides for another 20,000m of aircore drilling within an area of 250km<sup>2</sup> which includes the Keith’s, Marcellus’, and Winston’s Prospects where extensive REE mineralisation has been intersected in earlier Company aircore drilling.

### MOUNT RIDLEY REE PROJECT DRILLING

The 100%-held Mount Ridley Project comprises 9 granted exploration licences in south-west Western Australia with an area of approximately 3,400km<sup>2</sup> (refer to figure 1). The Company undertook drilling adjacent to known REE mineralisation at the Winston’s Prospect and first-pass Regional Drilling throughout the Project where accessible tracks were available, using two aircore drilling rigs for much of the time. When drilling halted, 409 holes for 18,927m had been completed. The Company’s strategy is to avoid cultivated land, and this phase of drilling was restricted to existing cleared, dry tracks.

**Stage 1 – Primary Target Infill Drilling:** 64 aircore holes drilled for 3,168m along the north-western flank of the known mineralisation at the Winston’s Prospect.

**Stage 2 – Regional Drilling:** 345 aircore holes drilled for 15,759m, spaced 400m apart along existing tracks, to locate previously unrecognised zones of REE mineralisation. It is likely that REE mineralisation will be deposited in anastomosing channels within the greater Eocene-aged Bremmer Basin.

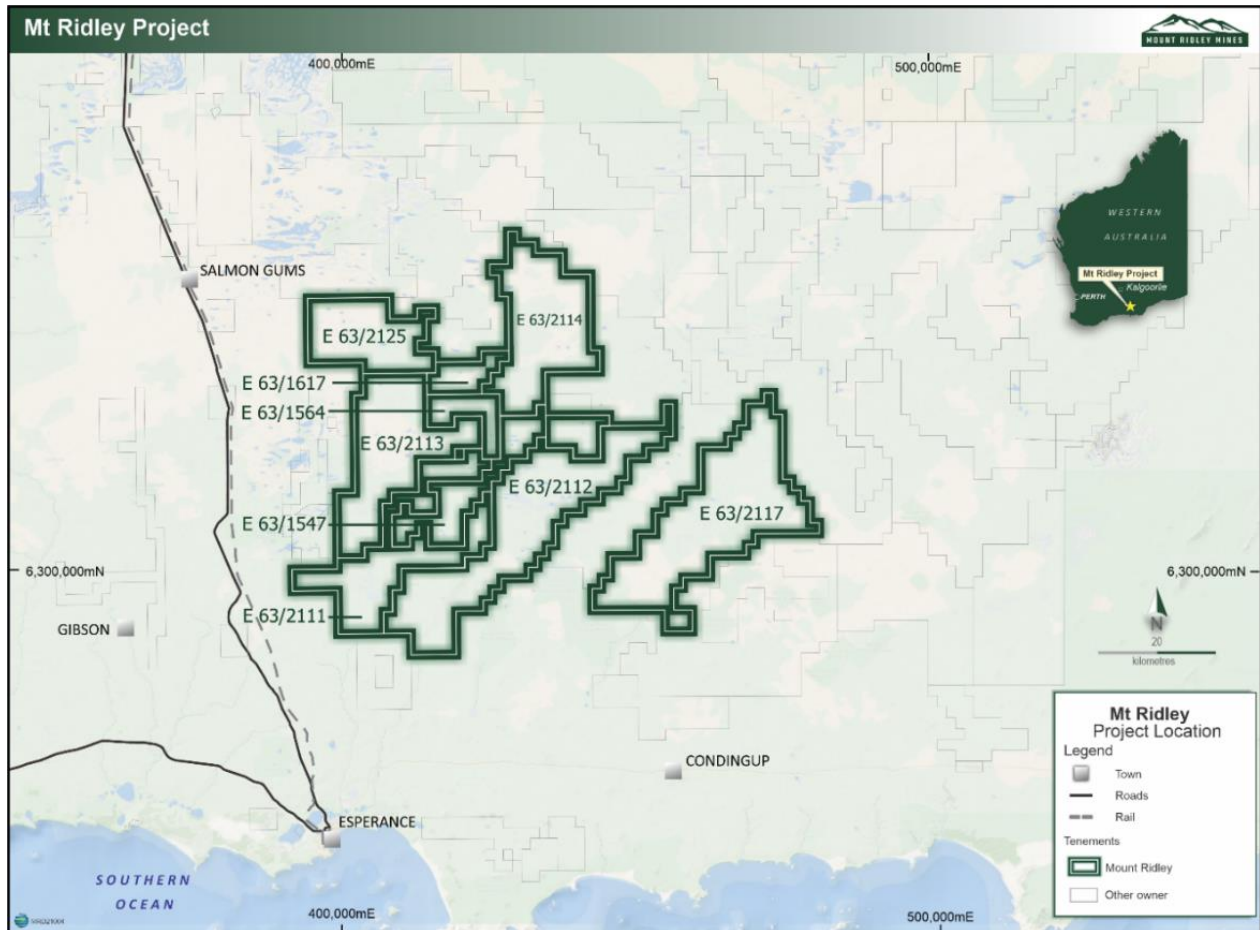
### DRILLING TO RESUME AFTER WINTER RAIN

Drilling will resume when dry soil conditions prevail later this year. Two phases will then be undertaken comprising:

**Stage 2 – Regional Drilling (continued):** Subject to the results from the current round of drilling, anomalous drill holes, currently spaced 400m apart, will be infilled to 200m spacings. Emphasis will be

placed on following up high grade total rare earth oxides (**TREO**<sup>1</sup>), high proportion of critical rare earth oxides (**CREO**<sup>2</sup>) and areas of shallow cover.

**Stage 3 – Primary Target Expansion:** Currently planned 20,000m of drilling designed to straddle mineralisation at the Winston’s and Keith’s Prospects. This will include 8 drill traverses with a total length of 75km, with each drill traverse spaced at approximately 2km intervals, with holes spaced at 200 or 400m apart (refer to figure 2) along each traverse.



**Figure 1:** The Mount Ridley REE Project comprises 9 granted exploration licences in south-west Western Australia with an area of approximately 3,400km<sup>2</sup>.

This drilling programme is designed to test an expanded area surrounding the intersections listed in table 1 and shown in figures 2-6. The Company is implementing an Aboriginal Heritage Management Plan with the Esperance Tjaltjraak Native Title Aboriginal Corporation (“RNTBC”) and has developed an Exploration Environment Management Plan in conjunction with Government environmental bodies to facilitate the establishment of new drilling access for this drilling programme.

1 TREO means the sum of the 14 REE+Y, each converted to its respective element oxide equivalent using the formulae in Table 4 (See references).  
 2 Critical or CREO means Critical Rare Earth Oxides; the sum of Dy<sub>2</sub>O<sub>3</sub>, Eu<sub>2</sub>O<sub>3</sub>, Nd<sub>2</sub>O<sub>3</sub>, Tb<sub>4</sub>O<sub>7</sub> and Y<sub>2</sub>O<sub>3</sub>



## EXPLORATION REVIEW

The Company announced on 1 July 2021 that laterally extensive REE mineralisation had been identified at its namesake Mount Ridley Project<sup>3</sup>, near Esperance. REE mineralisation is thought to occur within Eocene-aged sediments of the Bremmer Basin. Drill holes that have returned elevated REE extend over an area 25 kilometres long and 3 kilometres wide, **representing approximately 2% of the Project area**, and mineralisation is ‘open’ in all directions (refer to figure 2 and figures 3-6).

### Work undertaken to date

- Initially, composite samples from over 3,500m of drilling were analysed for REE using a ‘total digest’ fusion technique (“Fusion”), designed to report the total amount of REE in each sample.
- A second analysis of higher grade REE samples was completed using a ‘partial digest’ weak aqua regia digestion technique (“AR<sup>4</sup>”) which would take into solution only the most soluble or loosely bound REE, a feature of ionic adsorption clay REE deposits. This test indicated that at a grade of approximately 800ppm TREO, 80% of light REO<sup>5</sup>, 76% of heavy REO<sup>6</sup> and 80% of CREO were taken into solution under the conditions trialled.
- 880 drill pulps have been analysed using a short wave infra-red (“SWIR”) instrument to help map clay minerals distribution as a component of an ongoing Research and Development project studying the REE mineralisation genesis.
- 344 samples were scanned using a Bruker M4 Tornado micro-XRF analyser. Samples were of near fresh rock stubs from the bottom of aircore holes drilled in 2014. Results are also a component of the Research and Development project.
- Drilling statistics for the 2022 programme to date include a total of 409 aircore holes for 18,927m with 8,497 samples submitted for analysis.

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<sup>3</sup> Mount Ridley Mines Limited announcements to ASX 1 July 2021, 2 August 2021, 13 September 2021

<sup>4</sup> AR means Weak aqua regia acid, a mix of 1 molar hydrochloric acid (HCl) and 1 molar nitric acid (HNO<sub>3</sub>).

<sup>5</sup> Light REO or LREO means Light Rare Earth Oxides; the sum of La<sub>2</sub>O<sub>3</sub>, CeO<sub>2</sub>, Pr<sub>6</sub>O<sub>11</sub>, Nd<sub>2</sub>O<sub>3</sub>, Sm<sub>2</sub>O<sub>3</sub>, Eu<sub>2</sub>O<sub>3</sub>.

<sup>6</sup> Heavy REO or HREO means Heavy Rare Earth Oxides; the sum of Gd<sub>2</sub>O<sub>3</sub>, Tb<sub>4</sub>O<sub>7</sub>, Dy<sub>2</sub>O<sub>3</sub>Ho<sub>2</sub>O<sub>3</sub>, Er<sub>2</sub>O<sub>3</sub>, Tm<sub>2</sub>O<sub>3</sub>, Yb<sub>2</sub>O<sub>3</sub>, Lu<sub>2</sub>O<sub>3</sub>, Y<sub>2</sub>O<sub>3</sub>.



**Photograph 1:** Aircore drilling at the Mount Ridley Project.

## Project Geology

### Archaean to Meso-Proterozoic Basement

- Geological Survey of Western Australia mapping<sup>7</sup> shows that basement rocks are interpreted to be Archaean to Meso-Proterozoic-aged gneisses and granites, in parts intermixed with mafic and ultramafic rocks.
- Basement rocks protrude through younger sediments, forming northeast trending ridges and inselbergs (figure 2). Basement ridges likely control the size and shape of the overlying, REE-mineralised, Eocene-aged basins.
- Certain ultramafic rocks are considered prospective for nickel mineralisation.

### Eocene

- Eocene-aged sediments fill the onshore Bremmer Basin, infilling depressions in the Meso-Proterozoic-aged basement.
- The Eocene sediments comprise siltstone, sandstone, spongolite, limestone and lignite. Early indications suggest that unconsolidated kaolin- or montmorillonite- rich clays host the Mt Ridley rare earth mineralisation (refer to figures 4 and 6).

### Recent

- The current land surface is dominated by deposits of sand and gypsum dunes around numerous ephemeral lakes.

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<sup>7</sup> (DMIRS) Department of Mines, Industry Regulation and Safety 1:250,000 Interpreted Bedrock Geology (2020)

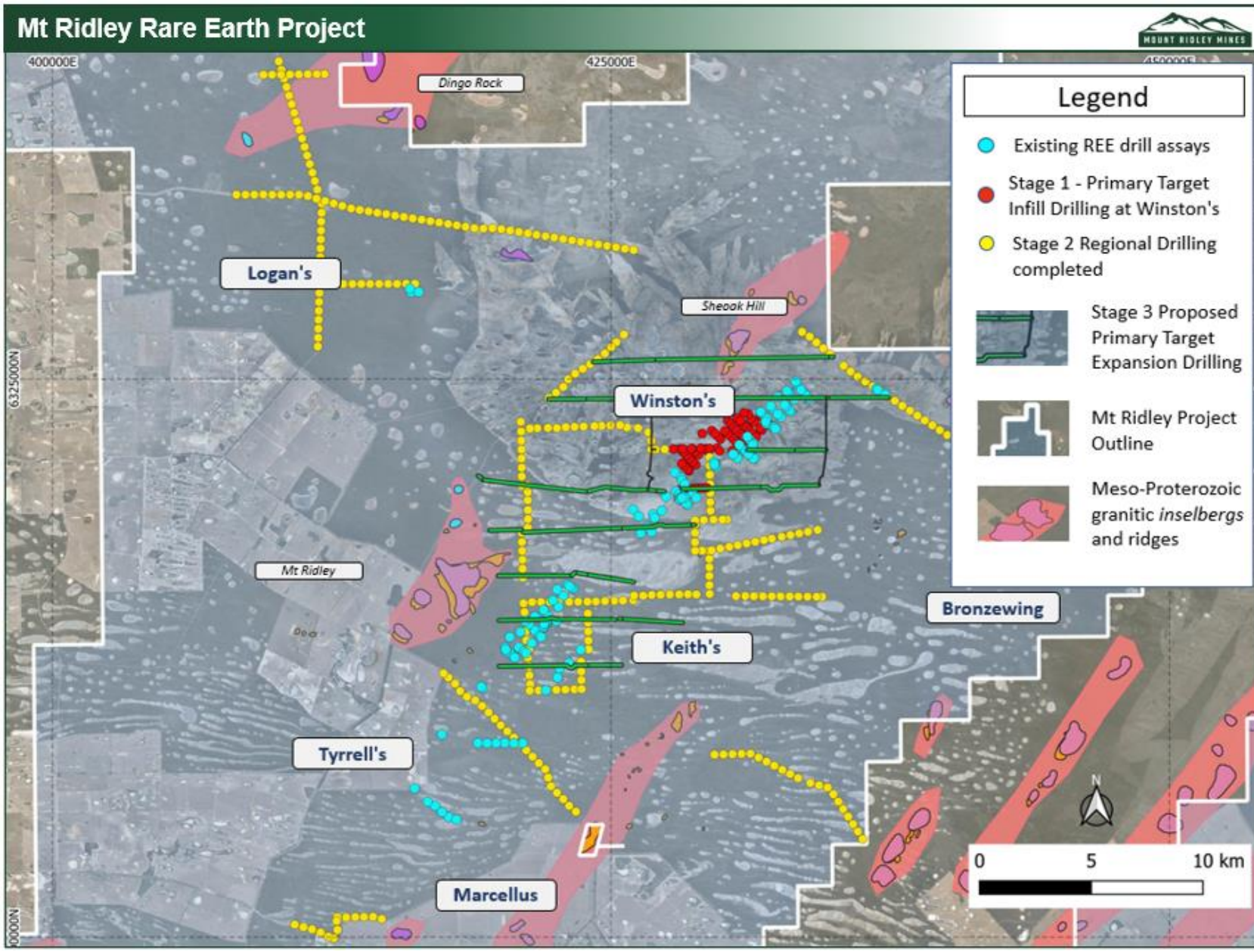


Figure 2: Drilling Location Plan by Drilling Stage.

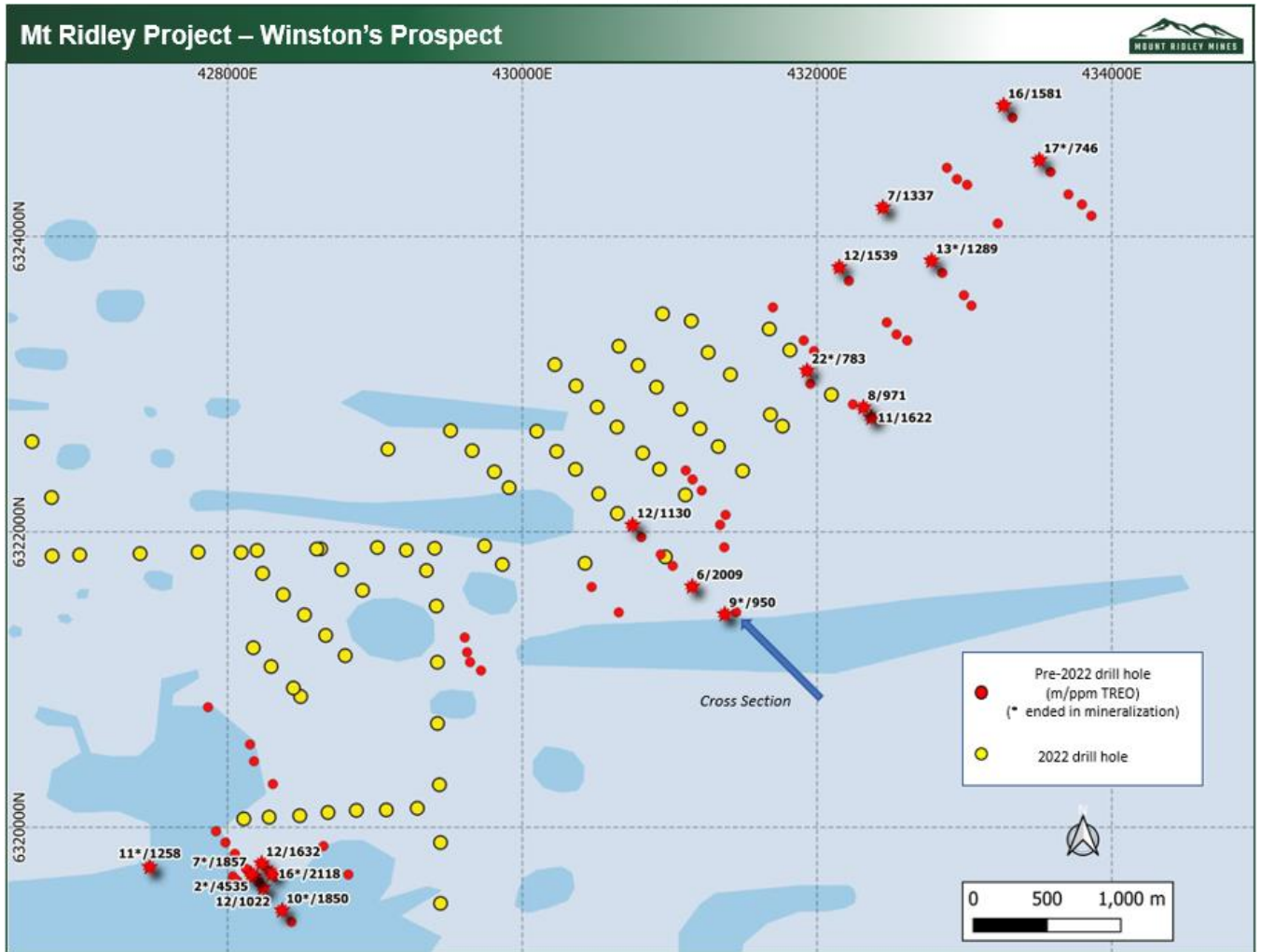


Figure 3. Winston's Prospect showing pre-existing significant REO intersections and recently completed drill hole locations.

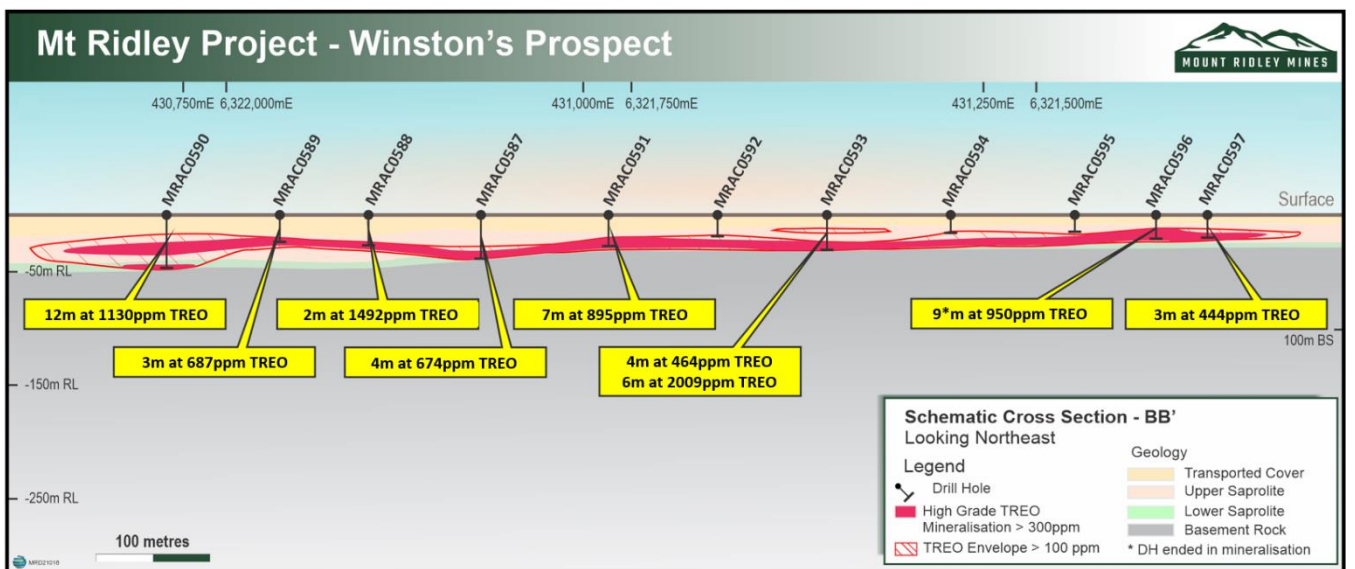


Figure 4: Cross Section through Winston's Prospect. Central northing is 6,321,750mN (also see figure 3).

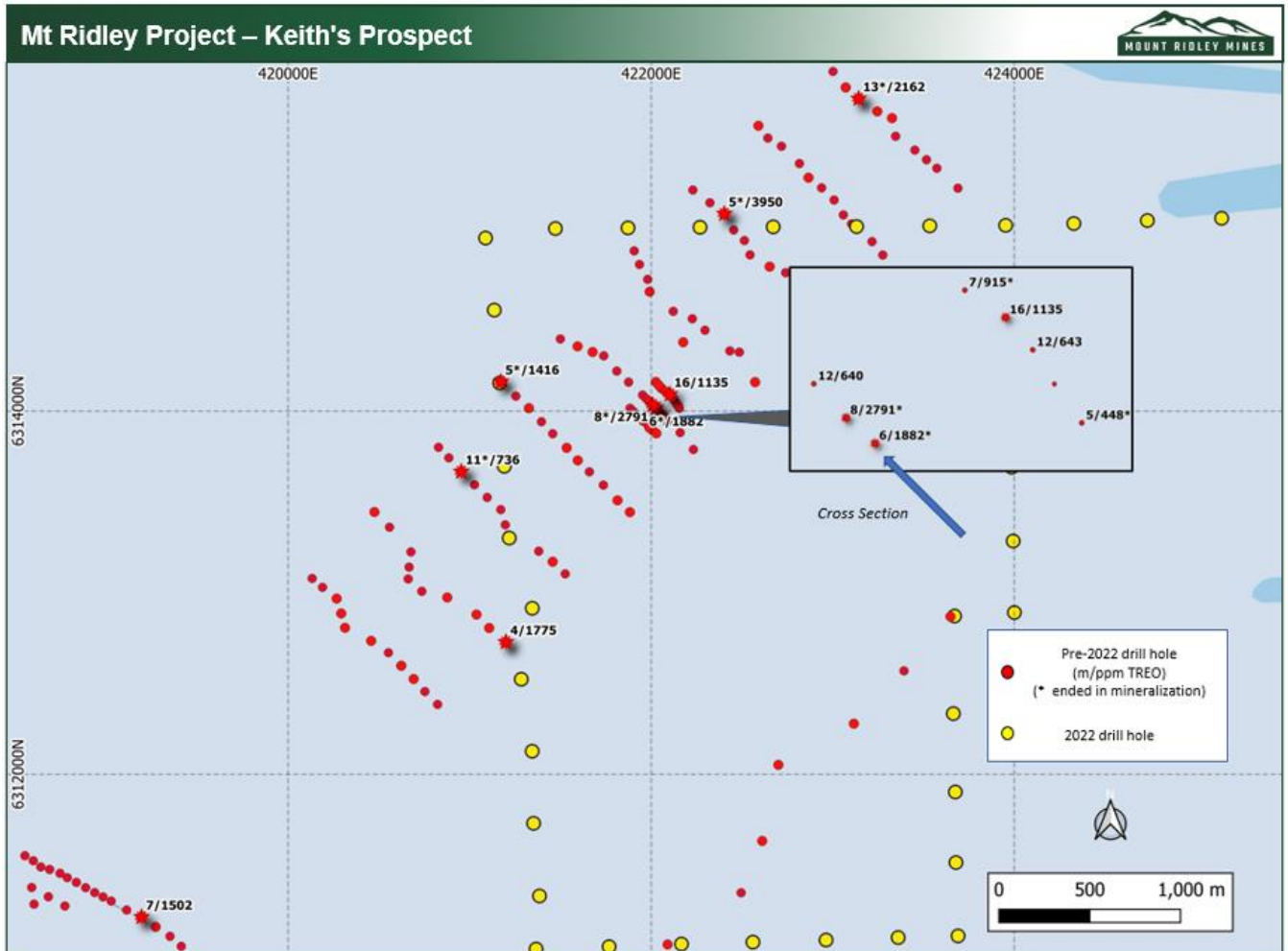


Figure 5. Keith's Prospect showing pre-existing significant REO intersections and recently completed drill hole locations.

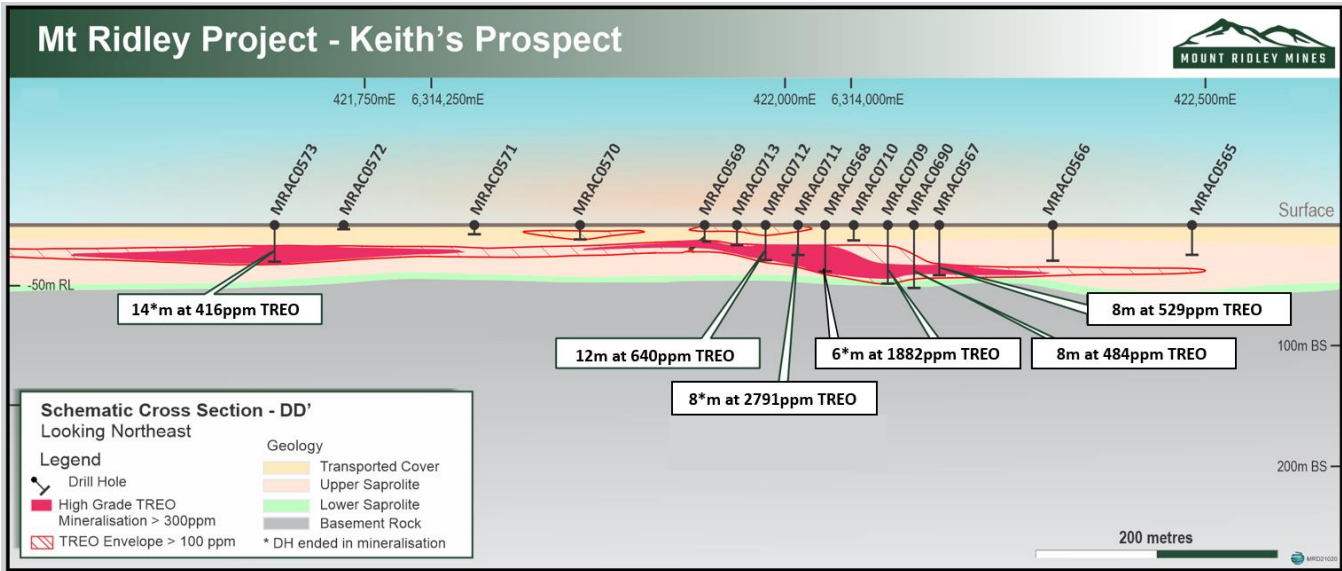


Figure 6: Cross Section through Keith's Prospect. Central northing is 6,314,500mN (also see figure 5).

<b>Table 1: Selected Drill Hole Intersections (TREO x Intersection &gt; 10,000 ppm)</b>			
<b>Winston's</b>	<b>Intersection (Fusion Analysis)</b>	<b>HREO (% of TREO) (ppm)</b>	<b>CREO (% of TREO) (ppm)</b>
MRAC0439: 40 to 48m	8*m at 2,349 ppm TREO	1,180 (50%)	1,328 (57%)
MRAC0441: 20 to 25m	5*m at 2,301 ppm TREO	1,019 (44%)	1,268 (55%)
MRAC0456: 28 to 38m	10*m at 1,850 ppm TREO	968 (52%)	1,096 (59%)
MRAC0471: 28 to 39m	11*m at 1,259 ppm TREO	646 (51%)	727 (58%)
MRAC0474: 32 to 50m	18m at 879 ppm TREO	487 (55%)	517 (59%)
MRAC0590: 24 to 36m	12m at 1,130 ppm TREO	705 (62%)	716 (63%)
MRAC0593: 24 to 30m	6m at 2,009 ppm TREO	784 (39%)	1,007 (50%)
MRAC0605: 36 to 47m	11m at 1,623 ppm TREO	698 (43%)	896 (55%)
MRAC0617: 24 to 36m	12m at 1,539 ppm TREO	638 (41%)	799 (52%)
MRAC0632: 4 to 17m	13*m at 1,289 ppm TREO	432 (34%)	602 (47%)
MRAC0638: 24 to 40m	16m at 1,581 ppm TREO	713 (45%)	789 (50%)
MRAC0717: 32 to 44m	12m at 1,632 ppm TREO	783 (48%)	946 (58%)
MRAC0721: 52 to 68m	16*m at 2,119 ppm TREO	1,058 (60%)	1,263 (60%)
<b>Keith's</b>			
MRAC0484: 32 to 45m	13*m at 2,162ppm TREO	635 (29%)	1,044 (48%)
MRAC0518: 16 to 21m	5*m at 3,950 ppm TREO	2,329 (59%)	2,414 (61%)
MRAC0568: 32 to 38m	6*m at 1,882 ppm TREO	862 (46%)	1,083 (58%)
MRAC0695: 24 to 40m	16m at 1,136 ppm TREO	506 (45%)	621 (55%)
MRAC0711: 16 to 24m	8*m at 2,792 ppm TREO	1,184 (42%)	1,645 (59%)
<b>Marcellus and Tyrrell's</b>			
MRAC0667: 36 to 40m	4m at 3045 ppm TREO	1,584 (52%)	1,849 (61%)
MRAC0677: 12 to 20m	8m at 1470 ppm TREO	139 (9%)	365 (25%)
MRAC0679: 16 to 28m	12m at 914 ppm TREO	314 (34%)	382 (42%)
MRAC0684: 24 to 31m	7m at 1,503 ppm TREO	863 (57%)	966 (64%)

Notes:

Drilling intersections calculated used a minimum cut off of 300ppm TREO (Fusion), minimum thickness 1m, maximum internal dilution of 4m (single sample composite) and no external dilution.

\* denotes drill hole ended in mineralisation.

For full details refer also to Announcements to ASX dated 2 August 2021 and 13 September 2021.





## Distribution of Rare Earth Elements at the Mt Ridley Project

**Table 2: Comparison of Length-Weighted Average REO Grades of 489 samples by Fusion and by AR.**

					Critical	Critical	Critical	Critical	Critical						
	Light	Light	Light	Light	Light	Light	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
Method	La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Dy <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Fusion	108.81	155.43	31.93	31.62	138.29	11.46	5.18	31.03	206.91	34.25	6.37	17.86	2.39	14.61	2.18
AR	75.68	116.12	26.99	28.27	123.06	10.80	4.28	26.78	149.86	30.77	5.05	14.45	1.75	10.98	1.53
Recovery	70%	75%	85%	89%	89%	94%	83%	86%	72%	90%	79%	81%	73%	75%	70%

**Table 2** compares the length-weighted average grade of the 489 samples analysed initially by Fusion, the follow-up analysis by AR (each element analysis converted to its respective rare earth oxide (“REO”) equivalent) and the Recovery by AR.

**Table 3: Comparison of the Distribution of REO (“Basket”) of 489 samples by Fusion and by AR.**

					Critical	Critical	Critical	Critical	Critical						
	Light	Light	Light	Light	Light	Light	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
Distribution	La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Dy <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>
Fusion	13.6%	19.5%	4.0%	4.0%	17.3%	1.4%	0.7%	3.9%	25.9%	4.3%	0.8%	2.2%	0.3%	1.8%	0.3%
					Light	59.8%		Critical	49.2%					Heavy	40.2%
Distribution	La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Dy <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>
AR	12.1%	18.5%	4.3%	4.5%	19.7%	1.7%	0.7%	4.3%	23.9%	4.9%	0.8%	2.3%	0.3%	1.8%	0.2%
					Light	60.8%		Critical	50.3%					Heavy	39.2%

**Table 3** compares the relative distribution of each REO, plus aggregated light, heavy and critical REO.



## **CORPORATE**

At the end of the quarter the Company had \$2.26 million in cash reserves and no debt.

### **Payment to Related Parties**

The Company advises the payment in section 6.1 of the Appendix 5B for the quarter of \$49,000 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 June 2022 quarter are as follows;

Mount Ridley Project	\$1,462,471
Weld Range Project	\$66,603
<b>Total</b>	<b>\$1,529,074</b>

The Company acknowledges the Esperance Nyungar People, custodians of the Project area.

**This announcement has been authorised for release by the Company's board of directors.**

For further information, please contact:

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**Technical Manager**  
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### **ABOUT MOUNT RIDLEY MINES LIMITED**

Mount Ridley is a company targeting demand driven metals in Western Australia.

Its namesake Mount Ridley Project, located within a Fraser Range sub-basin, was initially acquired for its nickel and copper sulphides potential, and is now recognised as being prospective for ionic clay REE deposits.

The Company also holds approximately 18% of the Weld Ranges in the mid-west of Western Australia. Areas of the tenements are prospective iron and gold.



## Competent Person

*The information in this report that relates to exploration strategy and results is based on information supplied to and compiled by Mr David Crook. Mr Crook is a consulting geologist retained by Mount Ridley Limited. Mr Crook is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists and has sufficient experience which is relevant to the exploration processes undertaken to qualify as a Competent Person as defined in the 2012 Editions of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.*

*With respect to JORC Table 1 included in MRD announcements to ASX dated:*

- *2 August 2021. "REE Potential Unveiled at Mount Ridley."*
- *13 September 2021. "REE Targets Extended."*
- *21 October 2021. "Encouraging Rare Earth Extraction Results."*

Mount Ridley confirms that it is not aware of any new information or data that materially affects the information included in these announcements and that all material assumptions and technical parameters underpinning the exploration results 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.

## Caution Regarding Forward Looking Information

*This announcement may contain forward-looking statements that may 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 materialise, 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.*

## References

“REO” means the rare earth element converted to its element oxide equivalent using the factors provided at [Element-to-stoichiometric oxide conversion factors - JCU Australia](http://www.jcu.edu.au/geochemistry/element-to-stoichiometric-oxide-conversion-factors). TREO means the sum of the 14 REO+ Y<sub>2</sub>O<sub>3</sub>.

Element	Conversion Factor	Element Oxide
<b>Ce_ppm</b>	1.2284	CeO <sub>2</sub> _ppm
<b>Dy_ppm</b>	1.1477	Dy <sub>2</sub> O <sub>3</sub> _ppm
<b>Er_ppm</b>	1.1435	Er <sub>2</sub> O <sub>3</sub> _ppm
<b>Eu_ppm</b>	1.1579	Eu <sub>2</sub> O <sub>3</sub> _ppm
<b>Gd_ppm</b>	1.1526	Gd <sub>2</sub> O <sub>3</sub> _ppm
<b>Ho_ppm</b>	1.1455	Ho <sub>2</sub> O <sub>3</sub> _ppm
<b>La_ppm</b>	1.1728	La <sub>2</sub> O <sub>3</sub> _ppm
<b>Lu_ppm</b>	1.1372	Lu <sub>2</sub> O <sub>3</sub> _ppm
<b>Nd_ppm</b>	1.1664	Nd <sub>2</sub> O <sub>3</sub> _ppm
<b>Pr_ppm</b>	1.2082	Pr <sub>6</sub> O <sub>11</sub> _ppm
<b>Sm_ppm</b>	1.1596	Sm <sub>2</sub> O <sub>3</sub> _ppm
<b>Tb_ppm</b>	1.1762	Tb <sub>4</sub> O <sub>7</sub> _ppm
<b>Tm_ppm</b>	1.1421	Tm <sub>2</sub> O <sub>3</sub> _ppm
<b>Y_ppm</b>	1.2695	Y <sub>2</sub> O <sub>3</sub> _ppm
<b>Yb_ppm</b>	1.1387	Yb <sub>2</sub> O <sub>3</sub> _ppm
<i>Source: <a href="http://www.geol.umd.edu/~piccoli/probe/molweight.html">www.geol.umd.edu/~piccoli/probe/molweight.html</a></i>		

J. D. A. Clarke (1994) Evolution of the Lefroy and Cowan palaeo-drainage channels, Western Australia, Australian Journal of Earth Sciences: An International Geoscience Journal of the Geological Society of Australia, 41:1, 55-68

## Appendix 5B

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

Name of entity

MOUNT RIDLEY MINES LIMITED

ABN

93 092 304 964

Quarter ended ("current quarter")

30 June 2022

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers		
1.2 Payments for		
(a) exploration & evaluation	(1,529)	(2,812)
(b) development	-	-
(c) production	-	-
(d) staff costs	(52)	(177)
(e) administration and corporate costs	(193)	(430)
1.3 Dividends received (see note 3)	-	39
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 & Other Refunds)	72	131
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(1,702)</b>	<b>(3,249)</b>

<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	(30)	(113)
(d) exploration & evaluation	(33)	(66)
(e) investments	-	597
(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 (12 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 (loan facility)	(4)	(34)
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>(67)</b>	<b>384</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	2,846
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	234	913
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(4)	(80)
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)	-	1
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>230</b>	<b>3,680</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	3,803	1,449
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,702)	(3,249)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(67)	384
4.4	Net cash from / (used in) financing activities (item 3.10 above)	230	3,680

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

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (12 months) \$A'000</b>
4.5	Effect of movement in exchange rates on cash held	-	-
<b>4.6</b>	<b>Cash and cash equivalents at end of period</b>	<b>2,264</b>	<b>2,264</b>

<b>5.</b>	<b>Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$A'000</b>	<b>Previous quarter \$A'000</b>
5.1	Bank balances	2,264	3,803
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
<b>5.5</b>	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>2,264</b>	<b>3,803</b>

<b>6.</b>	<b>Payments to related parties of the entity and their associates</b>	<b>Current quarter \$A'000</b>
6.1	Aggregate amount of payments to related parties and their associates included in item 1	49
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

<b>7. Financing facilities</b>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
<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 <b>Total financing facilities</b>	-	-
7.5 <b>Unused financing facilities available at quarter end</b>		-
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.		

<b>8. Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	(1,702)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(33)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(1,735)
8.4 Cash and cash equivalents at quarter end (item 4.6)	2,264
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	2,264
8.7( <b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	(1.30)
<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?	
No, the company completed a significant drill program in the June 22 quarter. Weather conditions at the Mount Ridley project will not accommodate the same level of activity and therefore expenditure in the September 22 quarter.	
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?	
No the company has not taken any steps to complete any capital raisings. The Company remains confident that its MRDOB options will be exercised before expiry in November 2022.	



## 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?

Yes, on the basis stated in 8.8.1 and 8.8.2.

*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: 13 July 2022

Authorised by: Johnathon Busing

## 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.