

5 December 2023

Drilling returns wide, high-grade REEⁱ intersections at two new prospects at the Mount Ridley Project

New Drilling Highlights include:

- 15m at 2,919 ppm TREOⁱⁱ (20% MagREOⁱⁱⁱ) from 18m (MRAC1614)
- 26m at 1,808 ppm TREO (21% MagREO) from 15m (MRAC1616)
- 12m at 2,774 ppm TREO (19% MagREO) from 6m (MRAC1623)
- 12m at 2,173 ppm TREO (22% MagREO) from 9m (MRAC1624)
- 30m at 2,026 ppm TREO (20% MagREO) from 9m (MRAC1626)
- 37m at 1,183 ppm TREO (20% MagREO) from 9m (MRAC1627)
- 23m at 1,317 ppm TREO (20% MagREO) from 12m (MRAC1628)
- 15m at 1,994 ppm TREO (21% MagREO) from 13m (MRAC1629)
- 28m at 1,807 ppm TREO (20% MagREO) from 13m (MRAC1630)
- 11m at 1,937 ppm TREO (22% MagREO) from 10m (MRAC1631)
- 21m at 1,180 ppm TREO (21% MagREO) from 9m (MRAC1637)
- 17m at 1,498 ppm TREO (24% MagREO) from 9m (MRAC1639)
- 18m at 1,399 ppm TREO (21% MagREO) from 12m (MRAC1641)

Drilling at the Company's eastern-most tenement, E63/2117, has returned thick intersections of rare earth elements, amongst some of the Project's highest to date (Table 1), revealing two new prospects now named Lance and Jimmie (Figures 1, 2 and 3, and Tables).

Mount Ridley's Chairman, Mr. Peter Christie commented:

"The fact that drilling in untested areas is still locating new, high-grade zones underlines the prodigious extent of clay-hosted rare earth mineralisation at the Mount Ridley Project.

"It is noteworthy that almost all of the world's critical heavy rare earths, in particular terbium and dysprosium, are sourced from clay deposits in China and Myanmar. As the Mount Ridley clay-hosted REE project advances, the potential for it to become an alternative source of these critical heavy rare earths is becoming more apparent."

Exploration Update

Mount Ridley Mines Limited (ASX: MRD, “Mt Ridley” or “the Company”) is pleased to report results from 36 aircore holes (MRAC1606–MRAC1641, 988m) completed within E63/2117, a tenement located approximately 12km east of the Company’s priority Mia Prospect. The Company holds an 85% joint venture interest in E63/2117 with Odette Geoscience Pty Ltd, a private company, holding 15%. The drill sites are located approximately 90km northeast of the Port of Esperance, Western Australia (Figures 1, 2 and 5).

Drilling was completed along two existing tracks with holes spaced at 400m intervals.

All previous Mount Ridley REE drilling has investigated clays overlying mid-Proterozoic-aged Biranup Zone granites and Grass Patch mafic rocks. These new drilling results are the first for the Company from clays overlying younger-aged Nornalup Zone granites, which have been the focus of exploration efforts by OD6 Metals Limited (ASX: OD6) and West Cobar Metals Limited (ASX: WC1) (Figure 5).

Table 1:
Selected New Rare Earth Oxide Intersections (>700ppm TREO)

| Hole ID | From (m) | To (m) | Interval (m) | TREO (ppm) | MagREO (ppm) | MagREO (%) | HREO (ppm) | HREO (%) | CREO (ppm) | LREO (ppm) | NdPr (ppm) |
|----------|----------|--------|--------------|------------|--------------|------------|------------|----------|------------|------------|------------|
| MRAC1607 | 18 | 33 | 15 | 1,077 | 237 | 22% | 109 | 10% | 236 | 967 | 227 |
| MRAC1611 | 19 | 29 | 10 | 1,182 | 252 | 21% | 95 | 8% | 238 | 1,087 | 243 |
| MRAC1612 | 24 | 40 | 16 | 1,115 | 237 | 21% | 108 | 10% | 232 | 1,007 | 226 |
| MRAC1614 | 48 | 54 | 6 | 1,066 | 238 | 22% | 160 | 15% | 271 | 906 | 222 |
| MRAC1614 | 18 | 33 | 15 | 2,919 | 586 | 20% | 234 | 8% | 550 | 2,685 | 562 |
| MRAC1615 | 15 | 19 | 4 | 1,592 | 282 | 18% | 140 | 9% | 293 | 1,452 | 271 |
| MRAC1616 | 15 | 41 | 26 | 1,808 | 374 | 21% | 200 | 11% | 391 | 1,608 | 353 |
| MRAC1623 | 6 | 18 | 12 | 2,774 | 520 | 19% | 126 | 5% | 433 | 2,648 | 508 |
| MRAC1624 | 9 | 21 | 12 | 2,173 | 482 | 22% | 188 | 9% | 455 | 1,985 | 465 |
| MRAC1626 | 9 | 39 | 30 | 2,026 | 413 | 20% | 183 | 9% | 402 | 1,843 | 396 |
| MRAC1627 | 9 | 46 | 37 | 1,183 | 237 | 20% | 107 | 9% | 234 | 1,076 | 226 |
| MRAC1628 | 12 | 35 | 23 | 1,317 | 261 | 20% | 147 | 11% | 277 | 1,171 | 246 |
| MRAC1629 | 13 | 28 | 15 | 1,994 | 411 | 21% | 164 | 8% | 393 | 1,830 | 396 |
| MRAC1630 | 13 | 41 | 28 | 1,807 | 368 | 20% | 164 | 9% | 363 | 1,643 | 353 |
| MRAC1631 | 10 | 21 | 11 | 1,937 | 425 | 22% | 277 | 14% | 470 | 1,659 | 394 |
| MRAC1637 | 9 | 30 | 21 | 1,180 | 244 | 21% | 121 | 10% | 250 | 1,059 | 232 |
| MRAC1639 | 9 | 26 | 17 | 1,498 | 367 | 24% | 158 | 11% | 358 | 1,340 | 353 |
| MRAC1641 | 12 | 30 | 18 | 1,399 | 295 | 21% | 169 | 12% | 318 | 1,230 | 279 |

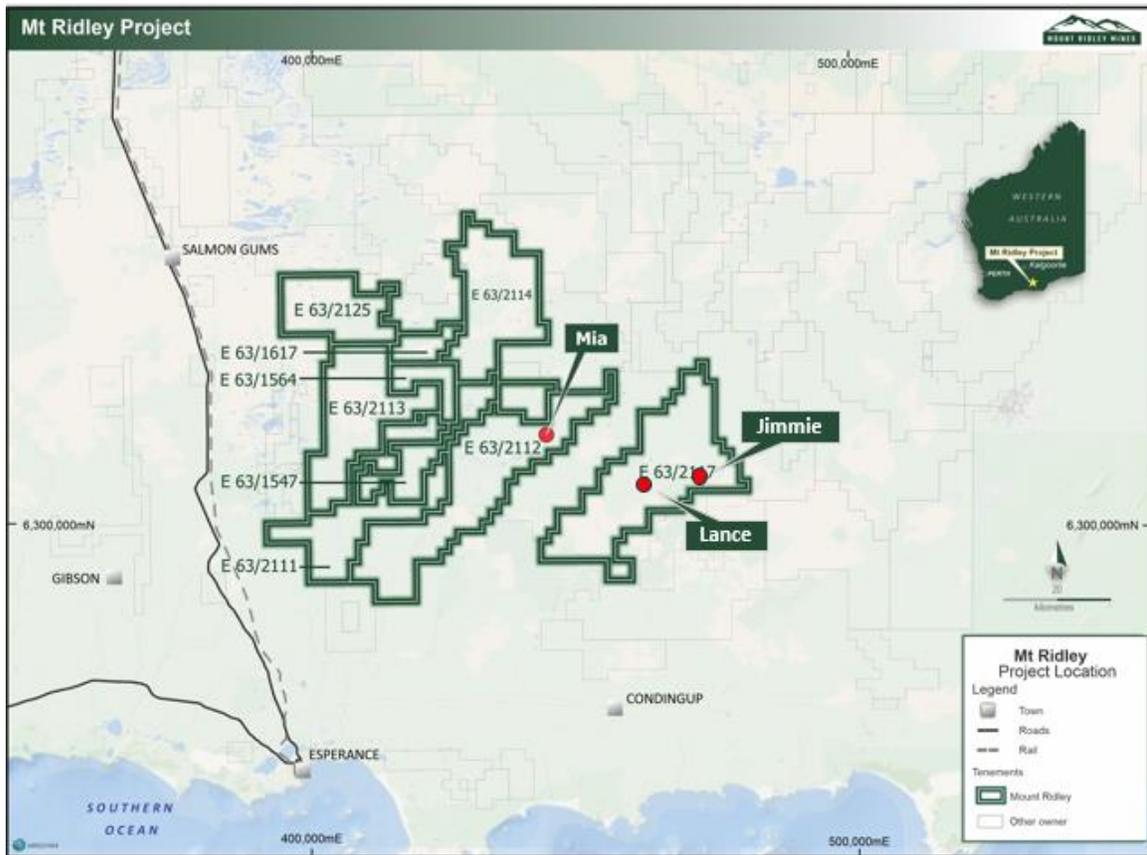


Figure 1: The Mount Ridley REE Project is located in southern Western Australia with an area of approximately 3,400km². The reported drilling is within E63/2117.

i REE means the 14 common rare earth elements; cerium (Ce), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), holmium (Ho), lanthanum (La), lutetium (Lu), neodymium (Nd), praseodymium (Pr), samarium (Sm), terbium (Tb), thulium (Tm), ytterbium (Yb). Yttrium (Y) is usually included with REE.

ii TREO means the sum of the 14 REE+Y, each converted to its respective stoichiometric element oxide.

iii MagREO means the sum of Nd, Pr, Dy and Tb, each converted to its respective stoichiometric element oxide.

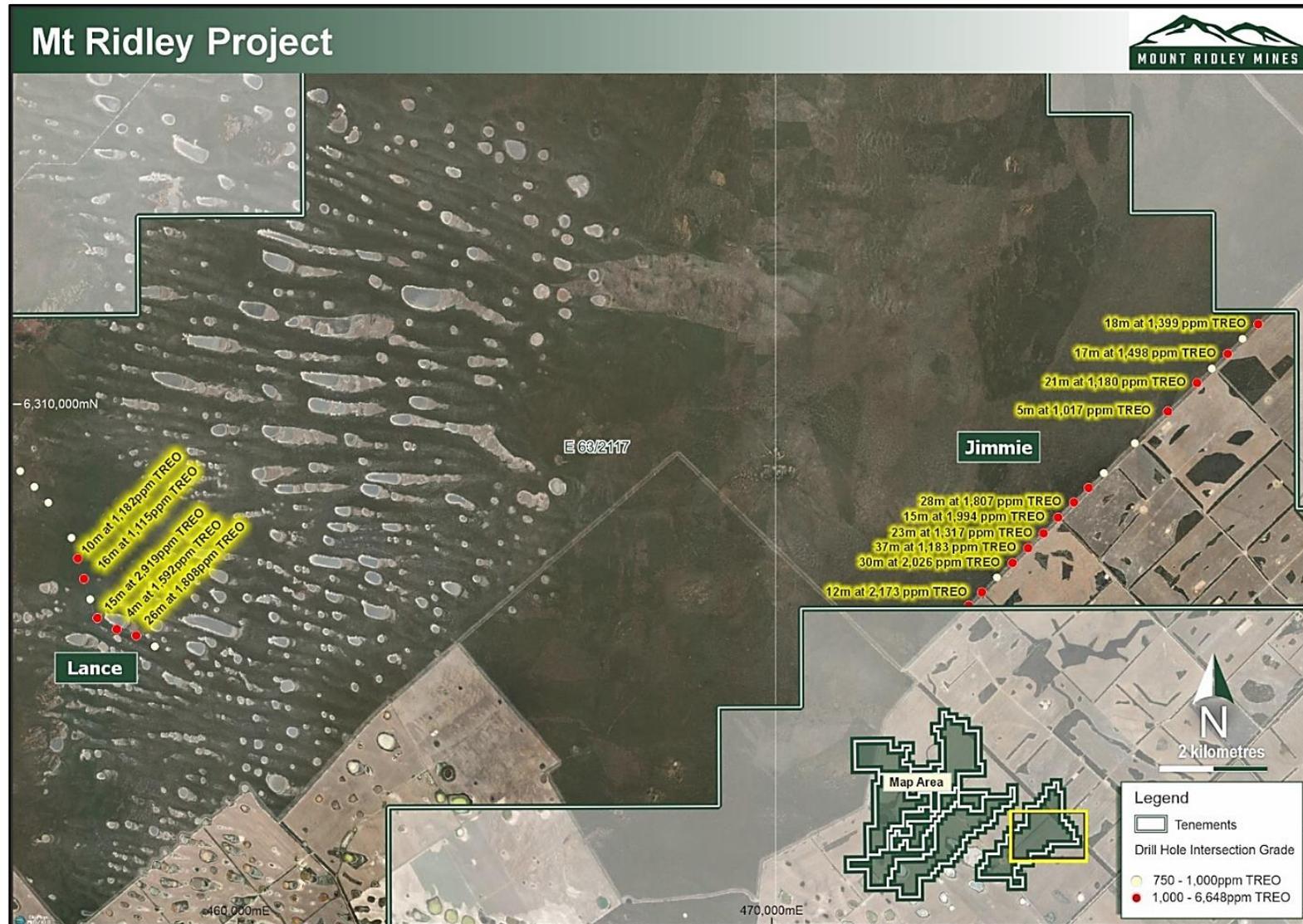


Figure 2: First pass drilling within E63/2117 returned wide, high-grade REE intersections at Lance and Jimmie Prospects.

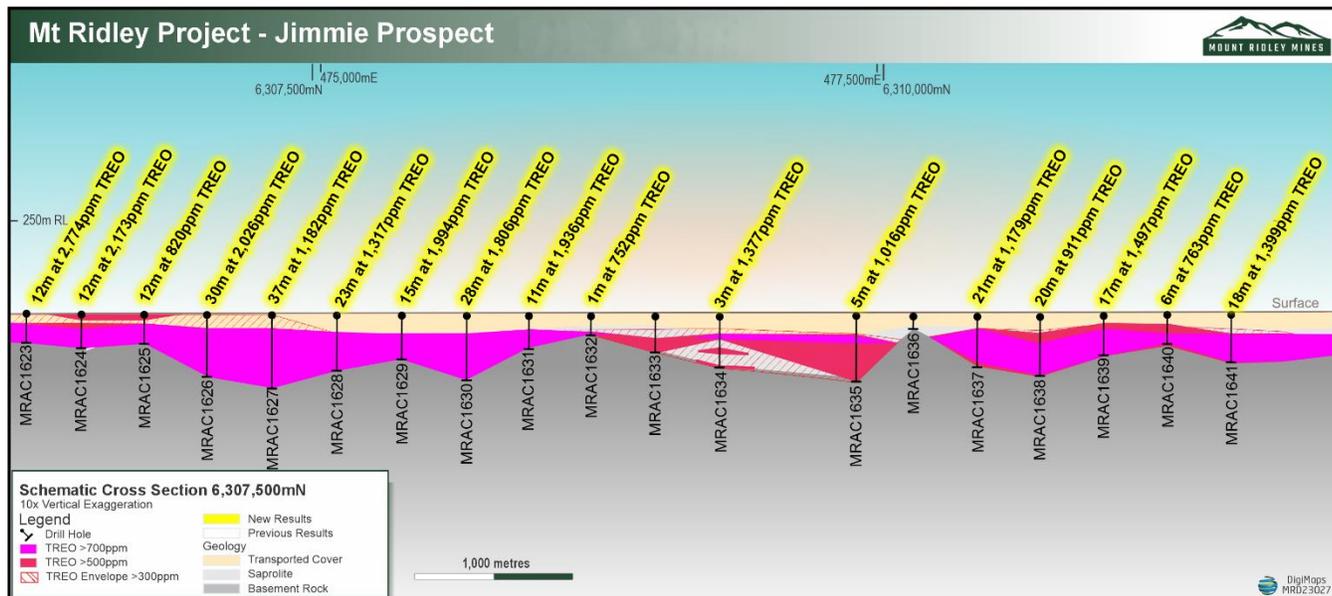


Figure 3: Drilling intersections from the first northeast orientated traverse of drilling at the Jimmie Prospect. The section view is 8.0km long, showing thick zones of high-grade (>700ppm TREO) clay-hosted REE mineralisation. Holes are 400m apart. Vertical scale is 10x horizontal scale.

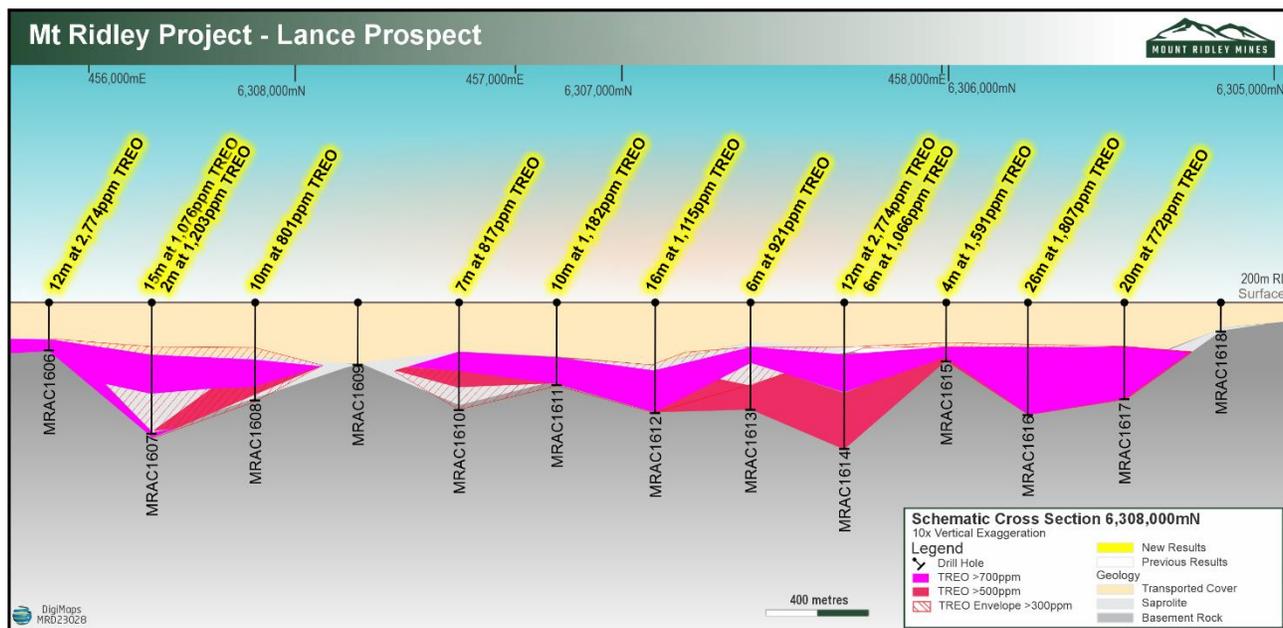


Figure 4: Drilling intersections from the first southeast traverse of drilling at the Lance Prospect. The section view is 3.0km wide, showing thick zones of high-grade (>700ppm TREO) clay-hosted REE mineralisation. Holes are 400m apart. Vertical scale is 10x horizontal scale.

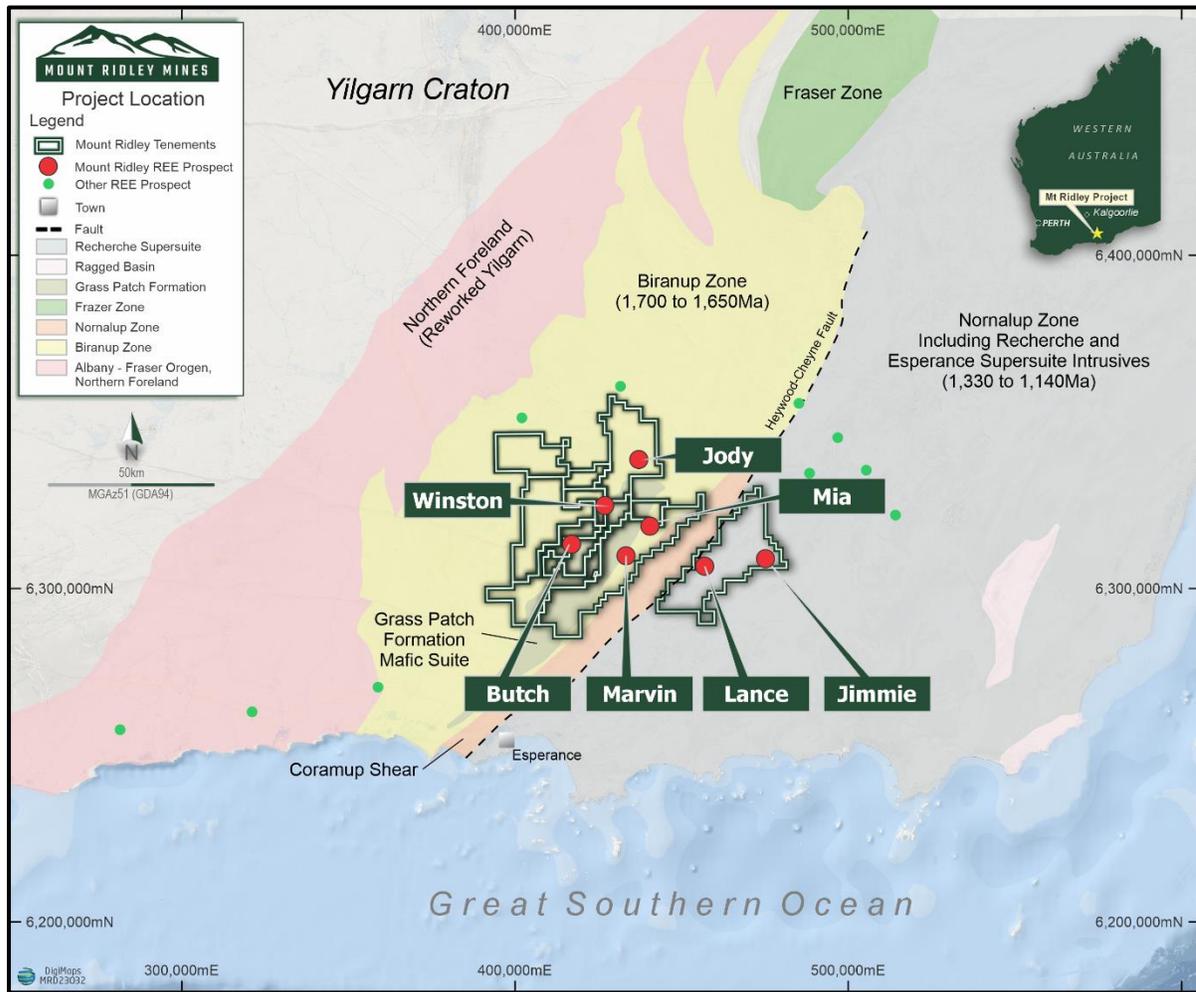


Figure 5: Mount Ridley Project tenements overlaying geological domains. All previous Mount Ridley REE drilling has investigated clays overlying mid-Proterozoic-aged Biranup Zone granites and Grass Patch mafic rocks. These new drilling results are the first for the Company from clays overlying younger-aged Normalup Zone granites. (Geology: 1:500 000 State interpreted bedrock geology (DMIRS-016)).

Exploration Outlook

Drilling: During October 2023, the Company completed a 155-hole infill drilling programme (MRAC1642-MRAC1796, 6,712m) at its priority Mia Prospect, within 100% owned Mount Ridley tenements.

The Company had previously tested the Mia Prospect on a grid pattern of approximately 2,500m x 400m. New drilling has infilled a 27km² area with 400m-spaced lines, with aircore holes selectively spaced along lines at intervals between 100m and 400m.

The drilling programme was designed to confirm the apparent continuity of high grade (>700ppm TREO) clay-hosted REE mineralisation, and if successful, will augment data for the Company's initial mineral resource statement.

Mineralisation at the Mia Prospect is thought to occur in elongate, parallel clay units, which often coincide with geological structures apparent in aeromagnetic imagery. To date, mineralisation ranges between 6m and 41m true thickness at an average of approximately 12m. The TREO basket includes up to 44% MagREO (average approximately 26%), with very low Uranium and Thorium.

Assays: Assays from the October 2023 drilling programme are not expected to be received and processed before February 2024.

Metallurgy:

- Previously reported screen beneficiation test work on Mia samples suggests that a grade upgrade of approximately 160% may be achieved when samples were passed through a 75 micron screen, within 50% of the original sample mass^{iv}.
- A high extraction rate of up to 72% of TREO using 25g/kg HCl was achieved at the Mia Prospect, including up to 85% of high-value MagREO, within a leaching period of 24 hours^v.
- The new drill samples, once assayed, will provide material for grid-patterned screen beneficiation and further acid leach extraction tests to give a better idea of the uniformity of these characteristics.
- When complete, the next step will be to undertake more precise HCl extraction tests on slurry samples, using larger samples at a higher pulp density, and at a number of acid concentrations, to better estimate acid consumption.

About the Mount Ridley REE Project

The Company announced on 1 July 2021 that laterally extensive REE mineralisation had been identified at its namesake Mount Ridley Project.

The Mount Ridley Project is located from approximately 50 kilometres northeast of the deep-water port of Esperance, a town with approximately 12,000 people and a hub for tourism, agriculture, and fishing (Figure 1). The Port exports minerals including nickel sulphide, iron ore and spodumene.

The Project is approximately 20 kilometres east of the sealed Goldfields Esperance Highway and infrastructure corridor which includes the Kalgoorlie–Esperance railway line and gas pipeline. The Esperance airport is located at Gibson Soak, approximately 20 kilometres from the Project.

Work undertaken to date

- Since March 2022, the Company has assayed 885 AC holes representing over 50,000m of drilling. This work identified wide-spread clay-hosted REE mineralisation, with 11 targets warranting further work. Samples from another 155 holes, drilled for 6,712m, are currently in the laboratory, with assays expected to be released in February 2024.
- Twenty diamond drill holes for a total of 961.5m of core were complete across the Project in December 2022, with suitable core being used for metallurgical test work.
- 3,433 drill pulps have been analysed using a short wave infra-red (“SWIR”) instrument to help map clay mineral distribution as a component of an ongoing Research and Development project studying the REE mineralisation genesis.
- Over 1000 samples of near fresh rock stubs from the bottom of aircore holes drilled in 2014 and 2022 have been scanned using a Bruker M4 Tornado micro-XRF analyser. This is a Research and Development project designed to geologically map basement rocks (protolith). The protolith has a major bearing on the style of clay that the REE mineralisation is hosted in and may also identify hard-rock REE targets.
- Screen beneficiation tests of 19 samples from a range of different prospects returned an average grade upgrade of 164% from Mia and 154% from Vincent. Over 80% of the TREO is contained within 50% of the original sample mass, and the barren proportion can be rejected when simply screened at -75 microns.
- HCl acid leach tests returned high extraction rates of up to 72% of TREO from Mia and Vincent samples, including up to 85% of high-value MagREO, within a leaching period of 24 hours.

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 clay hosted 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 for iron and gold.

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.

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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."
- 2 August 2022. "Excellent Drilling Results Expand Rare Earth Mineralisation Footprint at the Mt Ridley Project."
- 6 October 2022. "Highest grades to date returned from Mt Ridley Rare Earth Project, Mineralised footprint extended to more than 1,200km²."
- 14 February 2023. "Thick, shallow and high grade REE mineralisation discovered at the new Jody and Marvin Prospects."
- 30 March 2023. "Resource drilling commences on 30km long Mia - Marvin Zone at the Mount Ridley REE Project."
- 10 May 2023. "Coincident High-Grade Rare Earth Elements and Geophysical Anomalies at Mia Prospect"
- 25 May 2023. "Drilling update for the Mia REE Prospect"
- 06 July 2023. "Excellent Beneficiation Test Results Lift REE Grades"
- 21 September 2023. "Leach tests achieve up to 85% recovery of Magnet REE"
- 10 October 2023. "Drilling confirms continuity at Mount Ridley REE Project"

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.

iv ASX: MRD: 6 July 2023 “Excellent screen beneficiation test results lift REE grades by up to 202% at the Mount Ridley REE1 Project”.
v ASX: MRD 21 August 2023, “Leach tests achieve up to 85% recovery of Magnet REE”.

Appendix I

A. Drill Hole Collar Locations for Reported Holes.

| Table 2: Drill hole Collar Locations | | | | | | |
|---|----------|------------|------------|-----------|------------|-----------------|
| Hole ID | Prospect | Drill Type | Depth m | East m | North m | Nominal RL m |
| MRAC1606 | Lance | AC | 17 | 455,909 | 6,308,747 | 191 |
| MRAC1607 | Lance | AC | 50 | 456,173 | 6,308,452 | 191 |
| MRAC1608 | Lance | AC | 36 | 456,434 | 6,308,157 | 191 |
| MRAC1609 | Lance | AC | 23 | 456,703 | 6,307,850 | 191 |
| MRAC1610 | Lance | AC | 39 | 456,871 | 6,307,498 | 191 |
| MRAC1611 | Lance | AC | 30 | 456,989 | 6,307,112 | 191 |
| MRAC1612 | Lance | AC | 40 | 457,103 | 6,306,730 | 191 |
| MRAC1613 | Lance | AC | 39 | 457,219 | 6,306,346 | 191 |
| MRAC1614 | Lance | AC | 54 | 457,354 | 6,305,995 | 191 |
| MRAC1615 | Lance | AC | 20 | 457,720 | 6,305,783 | 191 |
| MRAC1616 | Lance | AC | 41 | 458,085 | 6,305,665 | 191 |
| MRAC1617 | Lance | AC | 35 | 458,433 | 6,305,464 | 191 |
| MRAC1618 | Lance | AC | 10 | 458,782 | 6,305,253 | 191 |
| MRAC1619 | Lance | AC | 5 | 459,081 | 6,305,003 | 191 |
| MRAC1620 | Lance | AC | 5 | 459,385 | 6,304,738 | 191 |
| MRAC1621 | Lance | AC | 4 | 459,484 | 6,304,360 | 191 |
| MRAC1622 | Lance | AC | 5 | 459,543 | 6,304,015 | 191 |
| MRAC1623 | Jimmie | AC | 18 | 473,693 | 6,306,231 | 191 |
| MRAC1624 | Jimmie | AC | 21 | 473,939 | 6,306,479 | 191 |
| MRAC1625 | Jimmie | AC | 18 | 474,220 | 6,306,757 | 191 |
| MRAC1626 | Jimmie | AC | 39 | 474,512 | 6,307,027 | 191 |
| MRAC1627 | Jimmie | AC | 46 | 474,803 | 6,307,306 | 191 |
| MRAC1628 | Jimmie | AC | 35 | 475,095 | 6,307,580 | 191 |
| MRAC1629 | Jimmie | AC | 28 | 475,367 | 6,307,879 | 191 |
| MRAC1630 | Jimmie | AC | 41 | 475,663 | 6,308,163 | 191 |
| MRAC1631 | Jimmie | AC | 21 | 475,939 | 6,308,433 | 191 |
| MRAC1632 | Jimmie | AC | 12 | 476,226 | 6,308,710 | 191 |
| MRAC1633 | Jimmie | AC | 24 | 476,516 | 6,309,000 | 191 |
| MRAC1634 | Jimmie | AC | 33 | 476,805 | 6,309,269 | 191 |
| MRAC1635 | Jimmie | AC | 42 | 477,423 | 6,309,863 | 191 |
| MRAC1636 | Jimmie | AC | 10 | 477,681 | 6,310,112 | 191 |
| MRAC1637 | Jimmie | AC | 32 | 477,971 | 6,310,397 | 191 |
| MRAC1638 | Jimmie | AC | 38 | 478,248 | 6,310,665 | 191 |
| MRAC1639 | Jimmie | AC | 26 | 478,548 | 6,310,944 | 191 |
| MRAC1640 | Jimmie | AC | 19 | 478,825 | 6,311,224 | 191 |
| MRAC1641 | Jimmie | AC | 32 | 479,119 | 6,311,499 | 191 |

- Grid is GDA94-51
- Coordinates by hand-held GPS with a presumed accuracy within +-5m
- All holes drilled vertically (dip = -90°, azimuth = 0°)

Appendix 1

B. Representative Assay Results.

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|----------|
| MRAC1607 | MRM015395 | 18 | 19 | 302 | 4.26 | 1.83 | 1.46 | 7.57 | 0.75 | 155 | 0.17 | 109 | 31.90 | 14.25 | 0.84 | 0.26 | 17.70 | 1.36 | 654 |
| MRAC1607 | MRM015396 | 19 | 21 | 533 | 7.53 | 3.13 | 3.23 | 13.15 | 1.24 | 274 | 0.37 | 181 | 54.90 | 23.50 | 1.57 | 0.44 | 31.50 | 2.77 | 1,145 |
| MRAC1607 | MRM015397 | 21 | 24 | 402 | 7.35 | 3.41 | 4.16 | 13.25 | 1.29 | 227 | 0.35 | 157 | 47.50 | 21.50 | 1.63 | 0.47 | 37.40 | 2.81 | 944 |
| MRAC1607 | MRM015398 | 24 | 27 | 469 | 10.05 | 4.76 | 5.94 | 16.15 | 1.88 | 260 | 0.48 | 191 | 54.00 | 27.40 | 1.95 | 0.58 | 48.10 | 3.61 | 1,116 |
| MRAC1607 | MRM015400 | 27 | 30 | 287 | 5.84 | 2.93 | 3.26 | 9.05 | 1.11 | 164 | 0.32 | 105 | 30.40 | 15.05 | 1.12 | 0.38 | 31.20 | 2.75 | 667 |
| MRAC1607 | MRM015401 | 30 | 33 | 360 | 6.80 | 3.50 | 3.82 | 11.55 | 1.24 | 202 | 0.47 | 137 | 40.30 | 19.75 | 1.43 | 0.48 | 40.50 | 2.97 | 848 |
| MRAC1607 | MRM015402 | 33 | 36 | 130 | 2.27 | 1.13 | 1.91 | 3.74 | 0.43 | 78 | 0.15 | 48 | 14.35 | 6.81 | 0.46 | 0.18 | 13.20 | 0.97 | 306 |
| MRAC1607 | MRM015406 | 45 | 48 | 133 | 3.48 | 2.22 | 1.85 | 4.80 | 0.72 | 75 | 0.35 | 45 | 13.85 | 7.37 | 0.65 | 0.33 | 22.00 | 2.10 | 331 |
| MRAC1607 | MRM015407 | 48 | 49 | 414 | 7.92 | 4.11 | 3.57 | 12.55 | 1.49 | 208 | 0.56 | 143 | 42.30 | 21.20 | 1.52 | 0.59 | 43.70 | 3.34 | 938 |
| MRAC1607 | MRM015408 | 49 | 50 | 488 | 7.67 | 3.83 | 5.00 | 13.95 | 1.44 | 257 | 0.49 | 194 | 53.70 | 26.70 | 1.56 | 0.51 | 39.30 | 3.28 | 1,110 |
| MRAC1611 | MRM015455 | 18 | 19 | 49 | 1.87 | 1.18 | 0.52 | 2.25 | 0.38 | 27 | 0.19 | 19 | 5.20 | 3.03 | 0.32 | 0.15 | 10.90 | 1.07 | 131 |
| MRAC1611 | MRM015456 | 19 | 21 | 459 | 7.35 | 2.83 | 2.75 | 13.85 | 1.26 | 236 | 0.29 | 169 | 45.50 | 22.90 | 1.64 | 0.35 | 32.20 | 2.19 | 1,017 |
| MRAC1611 | MRM015457 | 21 | 24 | 583 | 7.96 | 2.81 | 2.86 | 15.30 | 1.25 | 304 | 0.30 | 205 | 57.60 | 27.70 | 1.76 | 0.35 | 32.60 | 1.85 | 1,266 |
| MRAC1611 | MRM015458 | 24 | 27 | 334 | 4.40 | 1.56 | 2.16 | 8.95 | 0.64 | 185 | 0.22 | 115 | 33.60 | 15.05 | 0.98 | 0.21 | 18.00 | 1.20 | 735 |
| MRAC1611 | MRM015459 | 27 | 29 | 467 | 6.63 | 2.74 | 2.74 | 12.40 | 1.18 | 217 | 0.24 | 159 | 44.30 | 21.90 | 1.41 | 0.32 | 37.10 | 1.56 | 988 |
| MRAC1611 | MRM015461 | 29 | 30 | 160 | 2.92 | 1.30 | 1.62 | 4.61 | 0.49 | 84 | 0.13 | 60 | 16.85 | 8.56 | 0.57 | 0.20 | 14.50 | 0.91 | 362 |
| MRAC1612 | MRM015471 | 22 | 24 | 179 | 3.03 | 1.44 | 0.73 | 4.09 | 0.50 | 108 | 0.20 | 53 | 16.65 | 6.97 | 0.55 | 0.22 | 13.30 | 1.32 | 409 |
| MRAC1612 | MRM015472 | 24 | 27 | 379 | 4.37 | 2.03 | 1.34 | 7.06 | 0.78 | 202 | 0.24 | 112 | 33.20 | 14.40 | 0.95 | 0.29 | 19.20 | 1.65 | 793 |
| MRAC1612 | MRM015473 | 27 | 30 | 605 | 11.50 | 5.05 | 4.00 | 20.00 | 2.12 | 296 | 0.43 | 233 | 67.30 | 33.90 | 2.39 | 0.65 | 47.20 | 3.49 | 1,345 |
| MRAC1612 | MRM015474 | 30 | 33 | 460 | 8.42 | 4.31 | 1.92 | 12.50 | 1.58 | 212 | 0.50 | 156 | 46.50 | 23.50 | 1.59 | 0.58 | 40.00 | 3.45 | 986 |
| MRAC1612 | MRM015475 | 33 | 36 | 357 | 7.45 | 3.45 | 1.91 | 11.10 | 1.49 | 175 | 0.36 | 125 | 36.50 | 19.10 | 1.47 | 0.48 | 35.20 | 2.90 | 790 |
| MRAC1612 | MRM015476 | 36 | 39 | 389 | 8.08 | 3.95 | 2.33 | 11.25 | 1.51 | 199 | 0.38 | 131 | 38.70 | 19.75 | 1.54 | 0.53 | 37.70 | 3.08 | 859 |
| MRAC1612 | MRM015477 | 39 | 40 | 340 | 6.28 | 3.00 | 1.88 | 9.44 | 1.08 | 170 | 0.35 | 107 | 31.40 | 16.75 | 1.37 | 0.38 | 28.90 | 2.64 | 728 |
| MRAC1614 | MRM015501 | 18 | 19 | 571 | 8.79 | 4.43 | 1.84 | 13.65 | 1.67 | 288 | 0.59 | 160 | 50.30 | 22.50 | 1.82 | 0.60 | 43.70 | 3.96 | 1,219 |
| MRAC1614 | MRM015502 | 19 | 21 | 999 | 16.40 | 7.90 | 2.94 | 25.20 | 3.14 | 561 | 0.84 | 294 | 91.20 | 41.50 | 3.44 | 1.04 | 81.00 | 5.74 | 2,198 |

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| MRAC1614 | MRM015503 | 21 | 24 | 781 | 14.65 | 6.36 | 2.64 | 22.70 | 2.59 | 434 | 0.79 | 274 | 78.70 | 40.40 | 3.06 | 0.86 | 61.60 | 5.17 | 1,790 |
| MRAC1614 | MRM015504 | 24 | 27 | 1170 | 17.40 | 7.51 | 2.99 | 29.20 | 3.04 | 658 | 0.82 | 365 | 113.00 | 50.50 | 3.74 | 0.97 | 77.40 | 5.20 | 2,534 |
| MRAC1614 | MRM015505 | 27 | 30 | 2050 | 29.80 | 12.10 | 4.64 | 51.80 | 5.17 | 1040 | 1.31 | 689 | 203.00 | 96.70 | 6.78 | 1.60 | 125.00 | 8.88 | 4,366 |
| MRAC1614 | MRM015506 | 30 | 33 | 870 | 9.84 | 4.00 | 2.19 | 16.75 | 1.67 | 451 | 0.42 | 256 | 81.80 | 33.90 | 2.21 | 0.52 | 39.80 | 2.99 | 1,789 |
| MRAC1614 | MRM015507 | 33 | 36 | 188 | 2.97 | 1.30 | 0.87 | 4.09 | 0.45 | 98 | 0.16 | 58 | 18.30 | 8.04 | 0.64 | 0.15 | 11.90 | 1.00 | 399 |
| MRAC1614 | MRM015511 | 45 | 48 | 200 | 8.79 | 4.87 | 2.10 | 11.85 | 1.82 | 105 | 0.55 | 94 | 23.50 | 14.75 | 1.60 | 0.65 | 50.70 | 3.84 | 529 |
| MRAC1614 | MRM015512 | 48 | 51 | 322 | 11.50 | 6.11 | 1.94 | 16.00 | 2.17 | 150 | 0.60 | 136 | 36.20 | 21.10 | 2.13 | 0.76 | 58.70 | 4.21 | 781 |
| MRAC1614 | MRM015513 | 51 | 53 | 437 | 11.45 | 6.22 | 2.21 | 17.40 | 2.38 | 188 | 0.74 | 159 | 44.20 | 24.00 | 2.22 | 0.86 | 61.30 | 4.99 | 967 |
| MRAC1614 | MRM015514 | 53 | 54 | 515 | 13.30 | 7.31 | 2.45 | 19.40 | 2.72 | 205 | 0.85 | 167 | 45.60 | 25.40 | 2.48 | 0.99 | 73.20 | 5.86 | 1,093 |
| MRAC1615 | MRM015515 | 0 | 3 | 249 | 8.46 | 4.72 | 1.82 | 11.85 | 1.73 | 108 | 0.52 | 89 | 23.90 | 14.20 | 1.54 | 0.60 | 45.20 | 3.68 | 570 |
| MRAC1616 | MRM015529 | 14 | 15 | 112 | 3.51 | 1.84 | 0.84 | 3.85 | 0.65 | 70 | 0.24 | 38 | 11.85 | 5.60 | 0.57 | 0.25 | 16.30 | 1.68 | 289 |
| MRAC1616 | MRM015531 | 15 | 18 | 720 | 15.45 | 6.14 | 3.42 | 21.20 | 2.60 | 376 | 0.53 | 237 | 70.60 | 31.60 | 2.98 | 0.70 | 59.30 | 4.25 | 1,589 |
| MRAC1616 | MRM015532 | 18 | 21 | 1290 | 44.60 | 23.30 | 12.75 | 56.20 | 8.85 | 800 | 2.40 | 489 | 136.50 | 65.30 | 7.99 | 2.96 | 244.00 | 17.35 | 3,246 |
| MRAC1616 | MRM015534 | 21 | 24 | 725 | 17.00 | 7.98 | 3.73 | 22.00 | 3.19 | 383 | 0.78 | 250 | 73.30 | 33.50 | 3.11 | 1.02 | 82.20 | 5.71 | 1,648 |
| MRAC1616 | MRM015535 | 24 | 27 | 682 | 12.30 | 5.48 | 2.57 | 18.00 | 2.13 | 342 | 0.55 | 229 | 67.80 | 29.00 | 2.43 | 0.68 | 49.90 | 4.16 | 1,477 |
| MRAC1616 | MRM015536 | 27 | 30 | 585 | 11.40 | 4.99 | 3.08 | 16.15 | 2.00 | 282 | 0.45 | 200 | 58.40 | 26.60 | 2.18 | 0.65 | 46.40 | 3.62 | 1,273 |
| MRAC1616 | MRM015537 | 30 | 33 | 525 | 10.10 | 4.71 | 2.83 | 14.20 | 1.86 | 249 | 0.48 | 177 | 51.80 | 23.60 | 1.98 | 0.62 | 43.80 | 3.44 | 1,134 |
| MRAC1616 | MRM015538 | 33 | 36 | 609 | 9.97 | 5.06 | 3.03 | 14.35 | 1.98 | 304 | 0.58 | 196 | 58.80 | 23.70 | 1.88 | 0.66 | 51.40 | 4.22 | 1,299 |
| MRAC1616 | MRM015539 | 36 | 39 | 333 | 6.32 | 3.31 | 2.15 | 8.84 | 1.28 | 176 | 0.41 | 108 | 32.30 | 14.50 | 1.14 | 0.47 | 33.20 | 2.74 | 739 |
| MRAC1616 | MRM015540 | 39 | 40 | 499 | 9.47 | 4.71 | 2.46 | 12.45 | 1.84 | 247 | 0.59 | 157 | 47.60 | 23.30 | 1.70 | 0.64 | 47.80 | 3.80 | 1,080 |
| MRAC1616 | MRM015541 | 40 | 41 | 698 | 11.35 | 5.31 | 2.72 | 16.10 | 2.16 | 396 | 0.61 | 223 | 67.00 | 30.40 | 2.08 | 0.74 | 59.30 | 4.29 | 1,537 |
| MRAC1617 | MRM015552 | 27 | 30 | 220 | 5.22 | 2.90 | 1.72 | 7.17 | 0.93 | 123 | 0.34 | 71 | 21.10 | 10.45 | 0.89 | 0.38 | 33.90 | 2.35 | 509 |
| MRAC1617 | MRM015553 | 30 | 33 | 338 | 7.11 | 3.42 | 1.99 | 10.55 | 1.23 | 168 | 0.35 | 105 | 31.80 | 15.25 | 1.30 | 0.46 | 32.80 | 2.68 | 729 |
| MRAC1617 | MRM015554 | 33 | 34 | 521 | 10.95 | 5.52 | 2.94 | 16.35 | 2.05 | 244 | 0.62 | 180 | 51.80 | 26.60 | 2.01 | 0.70 | 55.10 | 4.51 | 1,151 |
| MRAC1617 | MRM015555 | 34 | 35 | 459 | 9.04 | 4.63 | 4.16 | 15.00 | 1.72 | 220 | 0.51 | 166 | 47.30 | 24.30 | 1.72 | 0.61 | 47.50 | 3.94 | 1,027 |
| MRAC1623 | MRM015575 | 3 | 6 | 50 | 1.19 | 0.66 | 0.35 | 1.36 | 0.26 | 27 | 0.10 | 15 | 4.57 | 2.38 | 0.19 | 0.11 | 5.80 | 0.91 | 118 |
| MRAC1623 | MRM015576 | 6 | 9 | 2540 | 20.90 | 7.45 | 12.85 | 43.90 | 3.10 | 1290 | 0.50 | 755 | 233.00 | 96.80 | 4.63 | 0.86 | 68.50 | 4.70 | 5,117 |

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| MRAC1623 | MRM015577 | 9 | 12 | 744 | 4.27 | 1.34 | 2.65 | 8.53 | 0.60 | 447 | 0.12 | 176 | 61.10 | 19.55 | 0.88 | 0.14 | 13.30 | 0.94 | 1,506 |
| MRAC1623 | MRM015578 | 12 | 15 | 735 | 3.73 | 1.11 | 3.04 | 7.97 | 0.52 | 397 | 0.08 | 184 | 65.80 | 19.95 | 0.93 | 0.15 | 12.50 | 0.72 | 1,457 |
| MRAC1623 | MRM015579 | 15 | 17 | 543 | 4.11 | 1.38 | 3.45 | 9.49 | 0.64 | 255 | 0.11 | 182 | 56.30 | 22.80 | 0.99 | 0.15 | 11.90 | 0.72 | 1,116 |
| MRAC1623 | MRM015580 | 17 | 18 | 792 | 4.64 | 1.79 | 3.74 | 9.81 | 0.75 | 384 | 0.16 | 212 | 73.90 | 24.40 | 1.10 | 0.20 | 16.90 | 1.30 | 1,548 |
| MRAC1624 | MRM015581 | 0 | 3 | 568 | 6.25 | 2.88 | 3.24 | 10.45 | 1.08 | 253 | 0.36 | 163 | 54.30 | 21.50 | 1.26 | 0.39 | 27.40 | 2.11 | 1,131 |
| MRAC1624 | MRM015582 | 3 | 6 | 69 | 2.23 | 1.26 | 0.84 | 2.91 | 0.44 | 33 | 0.20 | 27 | 7.77 | 4.24 | 0.44 | 0.22 | 12.90 | 1.44 | 174 |
| MRAC1624 | MRM015583 | 6 | 9 | 226 | 3.63 | 1.86 | 1.75 | 6.05 | 0.68 | 106 | 0.21 | 82 | 23.90 | 11.10 | 0.73 | 0.27 | 18.90 | 1.59 | 529 |
| MRAC1624 | MRM015584 | 9 | 11 | 685 | 8.04 | 4.19 | 4.60 | 15.00 | 1.59 | 359 | 0.53 | 209 | 66.40 | 27.80 | 1.69 | 0.55 | 44.80 | 2.90 | 1,474 |
| MRAC1624 | MRM015585 | 11 | 12 | 1040 | 11.85 | 5.74 | 7.05 | 22.50 | 2.10 | 534 | 0.90 | 320 | 100.00 | 40.90 | 2.33 | 0.75 | 61.30 | 4.37 | 2,211 |
| MRAC1624 | MRM015586 | 12 | 15 | 917 | 12.20 | 5.99 | 6.72 | 22.50 | 2.27 | 475 | 0.90 | 311 | 93.30 | 39.90 | 2.51 | 0.87 | 63.10 | 4.85 | 2,003 |
| MRAC1624 | MRM015587 | 15 | 18 | 776 | 12.80 | 6.47 | 7.11 | 22.80 | 2.42 | 380 | 0.96 | 278 | 80.40 | 39.00 | 2.50 | 0.90 | 65.70 | 5.22 | 1,712 |
| MRAC1624 | MRM015588 | 18 | 20 | 905 | 14.45 | 4.95 | 9.22 | 28.90 | 2.29 | 385 | 0.53 | 401 | 108.50 | 58.60 | 3.20 | 0.65 | 47.60 | 3.43 | 2,003 |
| MRAC1624 | MRM015589 | 20 | 21 | 809 | 14.55 | 5.03 | 9.40 | 29.50 | 2.19 | 372 | 0.49 | 373 | 98.30 | 59.00 | 3.20 | 0.66 | 48.10 | 3.38 | 1,857 |
| MRAC1626 | MRM015601 | 6 | 9 | 60 | 1.51 | 0.94 | 0.50 | 1.62 | 0.31 | 31 | 0.12 | 21 | 6.17 | 3.13 | 0.29 | 0.14 | 8.00 | 1.09 | 161 |
| MRAC1626 | MRM015602 | 9 | 12 | 780 | 16.15 | 8.70 | 6.31 | 25.30 | 3.14 | 421 | 1.19 | 281 | 81.00 | 39.40 | 3.14 | 1.27 | 87.00 | 6.94 | 1,799 |
| MRAC1626 | MRM015603 | 12 | 15 | 2390 | 42.30 | 21.50 | 16.30 | 67.20 | 8.11 | 1320 | 2.58 | 853 | 258.00 | 116.50 | 8.17 | 3.02 | 215.00 | 16.65 | 5,370 |
| MRAC1626 | MRM015604 | 15 | 18 | 960 | 19.55 | 11.10 | 6.64 | 30.20 | 3.95 | 603 | 1.31 | 329 | 96.90 | 44.50 | 3.52 | 1.46 | 113.50 | 8.13 | 2,252 |
| MRAC1626 | MRM015605 | 18 | 21 | 292 | 4.44 | 2.36 | 1.96 | 7.40 | 0.86 | 151 | 0.29 | 90 | 28.60 | 13.10 | 0.93 | 0.32 | 22.70 | 1.91 | 636 |
| MRAC1626 | MRM015606 | 21 | 24 | 344 | 4.55 | 2.11 | 2.26 | 7.84 | 0.79 | 175 | 0.28 | 101 | 32.40 | 13.75 | 0.95 | 0.30 | 18.90 | 1.86 | 726 |
| MRAC1626 | MRM015607 | 24 | 27 | 540 | 7.45 | 3.25 | 3.32 | 12.80 | 1.24 | 263 | 0.42 | 169 | 53.60 | 23.20 | 1.47 | 0.45 | 31.70 | 2.54 | 1,135 |
| MRAC1626 | MRM015608 | 27 | 30 | 568 | 7.76 | 3.42 | 3.68 | 13.80 | 1.44 | 296 | 0.40 | 194 | 59.20 | 27.50 | 1.66 | 0.50 | 32.90 | 3.02 | 1,239 |
| MRAC1626 | MRM015609 | 30 | 33 | 418 | 5.06 | 2.35 | 2.40 | 8.58 | 0.92 | 213 | 0.29 | 123 | 40.00 | 16.20 | 1.04 | 0.33 | 23.20 | 1.86 | 872 |
| MRAC1626 | MRM015610 | 33 | 36 | 440 | 5.34 | 2.44 | 2.69 | 9.00 | 0.94 | 224 | 0.29 | 140 | 43.90 | 17.35 | 1.05 | 0.34 | 24.70 | 2.12 | 929 |
| MRAC1626 | MRM015611 | 36 | 38 | 1110 | 11.85 | 5.51 | 5.44 | 19.85 | 2.14 | 610 | 0.67 | 315 | 105.00 | 37.90 | 2.43 | 0.74 | 52.50 | 4.01 | 2,310 |
| MRAC1626 | MRM015612 | 38 | 39 | 814 | 11.15 | 5.55 | 4.43 | 18.30 | 2.04 | 487 | 0.67 | 254 | 78.90 | 32.00 | 2.04 | 0.76 | 54.80 | 4.12 | 1,792 |
| MRAC1627 | MRM015613 | 0 | 3 | 168 | 5.21 | 3.00 | 1.81 | 6.60 | 0.93 | 98 | 0.34 | 67 | 19.15 | 10.35 | 0.85 | 0.39 | 26.30 | 2.20 | 420 |
| MRAC1627 | MRM015617 | 10 | 12 | 218 | 4.68 | 2.25 | 1.68 | 6.76 | 0.88 | 153 | 0.33 | 92 | 26.10 | 12.70 | 0.78 | 0.39 | 23.40 | 2.35 | 583 |

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|----------|
| MRAC1627 | MRM015618 | 12 | 15 | 322 | 6.09 | 3.41 | 2.26 | 8.48 | 1.14 | 188 | 0.46 | 106 | 30.60 | 15.30 | 1.04 | 0.52 | 32.20 | 3.26 | 755 |
| MRAC1627 | MRM015619 | 15 | 18 | 344 | 5.66 | 2.73 | 2.31 | 8.29 | 1.06 | 207 | 0.38 | 119 | 35.10 | 15.45 | 1.08 | 0.49 | 28.50 | 2.54 | 796 |
| MRAC1627 | MRM015620 | 18 | 21 | 340 | 6.75 | 3.62 | 2.17 | 8.36 | 1.24 | 175 | 0.47 | 108 | 30.70 | 15.55 | 1.07 | 0.51 | 34.80 | 3.30 | 760 |
| MRAC1627 | MRM015621 | 21 | 24 | 288 | 5.41 | 2.86 | 1.88 | 7.21 | 0.94 | 155 | 0.35 | 93 | 26.60 | 13.40 | 0.96 | 0.48 | 25.30 | 2.71 | 648 |
| MRAC1627 | MRM015622 | 24 | 27 | 328 | 5.54 | 2.72 | 1.84 | 6.94 | 0.95 | 183 | 0.39 | 95 | 29.30 | 12.80 | 0.92 | 0.44 | 27.60 | 2.72 | 720 |
| MRAC1627 | MRM015623 | 27 | 30 | 423 | 7.41 | 3.79 | 1.86 | 8.40 | 1.28 | 240 | 0.52 | 118 | 37.20 | 16.30 | 1.08 | 0.61 | 38.70 | 3.46 | 926 |
| MRAC1627 | MRM015624 | 30 | 33 | 468 | 7.79 | 3.89 | 2.76 | 10.60 | 1.27 | 245 | 0.43 | 145 | 43.10 | 20.40 | 1.34 | 0.56 | 36.20 | 3.06 | 1,015 |
| MRAC1627 | MRM015625 | 33 | 36 | 453 | 5.96 | 2.47 | 2.98 | 9.96 | 0.99 | 233 | 0.22 | 138 | 40.70 | 18.15 | 1.12 | 0.34 | 24.40 | 1.88 | 944 |
| MRAC1627 | MRM015626 | 36 | 39 | 762 | 10.80 | 4.67 | 5.22 | 17.05 | 1.84 | 388 | 0.44 | 254 | 74.10 | 34.50 | 2.01 | 0.65 | 49.10 | 3.94 | 1,629 |
| MRAC1627 | MRM015627 | 39 | 42 | 717 | 11.25 | 4.62 | 5.33 | 17.00 | 1.80 | 359 | 0.48 | 235 | 67.40 | 33.30 | 2.00 | 0.68 | 46.20 | 3.58 | 1,533 |
| MRAC1627 | MRM015628 | 42 | 45 | 704 | 11.70 | 5.71 | 4.89 | 16.50 | 2.02 | 364 | 0.61 | 235 | 67.40 | 32.40 | 2.05 | 0.86 | 59.90 | 4.81 | 1,540 |
| MRAC1627 | MRM015629 | 45 | 46 | 771 | 13.75 | 6.14 | 5.89 | 21.70 | 2.61 | 398 | 0.63 | 288 | 80.70 | 39.40 | 2.80 | 0.85 | 72.90 | 4.91 | 1,731 |
| MRAC1628 | MRM015635 | 9 | 12 | 31 | 1.26 | 0.88 | 0.16 | 1.18 | 0.23 | 16 | 0.11 | 11 | 3.14 | 1.84 | 0.17 | 0.13 | 7.50 | 0.86 | 87 |
| MRAC1628 | MRM015636 | 12 | 15 | 319 | 6.95 | 3.49 | 2.21 | 8.73 | 1.28 | 182 | 0.44 | 111 | 32.10 | 16.15 | 1.16 | 0.51 | 33.50 | 3.22 | 754 |
| MRAC1628 | MRM015637 | 15 | 18 | 772 | 14.90 | 7.88 | 4.33 | 19.50 | 2.96 | 538 | 0.87 | 232 | 70.70 | 30.40 | 2.59 | 1.10 | 92.30 | 6.81 | 1,836 |
| MRAC1628 | MRM015638 | 18 | 21 | 368 | 8.18 | 4.39 | 2.02 | 9.10 | 1.40 | 201 | 0.46 | 117 | 34.50 | 17.55 | 1.24 | 0.63 | 37.20 | 3.71 | 848 |
| MRAC1628 | MRM015639 | 21 | 24 | 402 | 10.35 | 5.89 | 2.19 | 10.60 | 1.90 | 213 | 0.72 | 128 | 37.00 | 19.05 | 1.50 | 0.93 | 55.50 | 5.25 | 928 |
| MRAC1628 | MRM015640 | 24 | 27 | 408 | 8.05 | 4.25 | 2.17 | 9.57 | 1.42 | 199 | 0.44 | 130 | 38.50 | 18.85 | 1.36 | 0.68 | 38.20 | 3.65 | 896 |
| MRAC1628 | MRM015641 | 27 | 30 | 578 | 16.85 | 9.03 | 3.39 | 17.30 | 2.95 | 293 | 1.02 | 192 | 53.70 | 30.50 | 2.56 | 1.38 | 76.20 | 7.38 | 1,326 |
| MRAC1628 | MRM015642 | 30 | 33 | 517 | 10.25 | 5.29 | 3.55 | 14.50 | 1.86 | 264 | 0.50 | 181 | 53.80 | 26.20 | 1.78 | 0.71 | 48.00 | 4.48 | 1,159 |
| MRAC1628 | MRM015643 | 33 | 34 | 697 | 14.10 | 6.44 | 4.35 | 17.65 | 2.30 | 352 | 0.70 | 243 | 71.20 | 34.50 | 2.38 | 0.97 | 55.20 | 5.25 | 1,546 |
| MRAC1628 | MRM015644 | 34 | 35 | 526 | 16.10 | 7.18 | 3.32 | 17.35 | 2.80 | 263 | 0.77 | 207 | 58.30 | 30.40 | 2.53 | 1.16 | 63.20 | 6.34 | 1,237 |
| MRAC1629 | MRM015649 | 12 | 13 | 176 | 2.82 | 1.48 | 1.26 | 4.18 | 0.54 | 92 | 0.23 | 65 | 19.00 | 8.56 | 0.52 | 0.23 | 15.30 | 1.40 | 416 |
| MRAC1629 | MRM015650 | 13 | 15 | 363 | 5.54 | 2.82 | 2.73 | 10.00 | 0.97 | 195 | 0.40 | 138 | 38.80 | 18.45 | 0.98 | 0.39 | 28.60 | 2.88 | 846 |
| MRAC1629 | MRM015651 | 15 | 18 | 591 | 8.84 | 4.12 | 3.98 | 14.15 | 1.63 | 313 | 0.57 | 202 | 60.30 | 27.10 | 1.73 | 0.63 | 49.20 | 3.80 | 1,325 |
| MRAC1629 | MRM015652 | 18 | 21 | 843 | 11.70 | 5.43 | 5.56 | 18.35 | 2.19 | 417 | 0.77 | 273 | 82.00 | 34.90 | 2.42 | 0.87 | 63.10 | 5.16 | 1,807 |
| MRAC1629 | MRM015653 | 21 | 24 | 1535 | 19.35 | 8.79 | 9.58 | 33.10 | 3.49 | 812 | 1.08 | 509 | 152.50 | 65.80 | 3.96 | 1.26 | 93.70 | 7.70 | 3,281 |

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| MRAC1629 | MRM015654 | 24 | 27 | 494 | 6.28 | 2.96 | 3.10 | 10.15 | 1.14 | 252 | 0.40 | 156 | 46.80 | 20.30 | 1.34 | 0.46 | 29.00 | 2.88 | 1,040 |
| MRAC1629 | MRM015655 | 27 | 28 | 587 | 10.05 | 5.11 | 4.26 | 15.15 | 1.92 | 308 | 0.72 | 201 | 57.30 | 27.10 | 1.96 | 0.82 | 58.30 | 4.78 | 1,297 |
| MRAC1630 | MRM015662 | 13 | 15 | 237 | 4.54 | 2.44 | 1.48 | 7.00 | 0.88 | 175 | 0.28 | 96 | 29.80 | 13.15 | 0.90 | 0.29 | 24.80 | 1.91 | 619 |
| MRAC1630 | MRM015663 | 15 | 18 | 692 | 11.00 | 5.17 | 3.16 | 15.50 | 2.05 | 369 | 0.57 | 206 | 61.50 | 27.70 | 2.15 | 0.71 | 54.60 | 4.43 | 1,506 |
| MRAC1630 | MRM015664 | 18 | 21 | 474 | 7.43 | 4.23 | 2.48 | 11.10 | 1.41 | 288 | 0.52 | 162 | 51.10 | 20.80 | 1.32 | 0.55 | 39.60 | 3.78 | 1,102 |
| MRAC1630 | MRM015665 | 21 | 24 | 662 | 8.77 | 4.54 | 3.37 | 13.95 | 1.72 | 334 | 0.57 | 207 | 62.70 | 27.90 | 1.77 | 0.67 | 47.60 | 4.29 | 1,424 |
| MRAC1630 | MRM015667 | 24 | 27 | 767 | 11.35 | 5.92 | 4.60 | 18.05 | 2.14 | 410 | 0.85 | 266 | 79.30 | 35.30 | 2.33 | 0.88 | 62.50 | 5.56 | 1,731 |
| MRAC1630 | MRM015668 | 27 | 30 | 876 | 13.35 | 6.47 | 5.05 | 19.90 | 2.46 | 434 | 0.96 | 296 | 86.10 | 39.40 | 2.55 | 1.00 | 71.20 | 6.43 | 1,917 |
| MRAC1630 | MRM015669 | 30 | 33 | 790 | 12.40 | 6.72 | 4.81 | 18.30 | 2.38 | 380 | 0.96 | 266 | 78.00 | 35.80 | 2.45 | 1.00 | 70.70 | 6.39 | 1,727 |
| MRAC1630 | MRM015670 | 33 | 36 | 935 | 13.00 | 6.77 | 4.77 | 19.60 | 2.52 | 502 | 0.93 | 295 | 88.20 | 38.00 | 2.55 | 1.04 | 78.40 | 6.28 | 2,038 |
| MRAC1630 | MRM015671 | 36 | 39 | 711 | 12.15 | 5.98 | 4.24 | 17.15 | 2.32 | 427 | 0.78 | 234 | 71.00 | 29.90 | 2.13 | 0.96 | 67.80 | 5.52 | 1,626 |
| MRAC1630 | MRM015672 | 39 | 40 | 677 | 12.40 | 5.92 | 4.87 | 18.65 | 2.29 | 368 | 0.75 | 252 | 71.70 | 33.20 | 2.27 | 0.93 | 61.90 | 5.33 | 1,557 |
| MRAC1630 | MRM015673 | 40 | 41 | 583 | 10.40 | 4.48 | 4.83 | 16.80 | 1.82 | 278 | 0.53 | 234 | 62.90 | 33.50 | 2.17 | 0.64 | 46.80 | 3.63 | 1,313 |
| MRAC1631 | MRM015677 | 9 | 10 | 85 | 0.96 | 0.44 | 0.24 | 1.30 | 0.16 | 66 | 0.07 | 18 | 6.68 | 2.14 | 0.19 | 0.07 | 4.30 | 0.49 | 192 |
| MRAC1631 | MRM015678 | 10 | 12 | 531 | 14.75 | 5.97 | 3.03 | 18.35 | 2.49 | 275 | 0.57 | 187 | 55.00 | 31.10 | 2.73 | 0.83 | 56.50 | 4.35 | 1,234 |
| MRAC1631 | MRM015679 | 12 | 15 | 528 | 18.90 | 7.98 | 3.27 | 22.20 | 3.26 | 233 | 0.67 | 196 | 55.60 | 34.00 | 3.49 | 1.14 | 81.40 | 6.13 | 1,237 |
| MRAC1631 | MRM015680 | 15 | 18 | 657 | 24.30 | 10.70 | 4.12 | 28.40 | 4.40 | 310 | 0.95 | 245 | 68.50 | 43.50 | 4.55 | 1.42 | 104.50 | 7.90 | 1,562 |
| MRAC1631 | MRM015681 | 18 | 20 | 1330 | 39.50 | 16.45 | 7.16 | 48.50 | 6.93 | 624 | 1.43 | 478 | 139.00 | 79.80 | 7.71 | 2.29 | 191.50 | 12.45 | 3,045 |
| MRAC1631 | MRM015682 | 20 | 21 | 556 | 16.95 | 7.22 | 3.46 | 20.50 | 2.93 | 240 | 0.64 | 210 | 60.20 | 35.90 | 3.19 | 1.02 | 74.20 | 5.49 | 1,292 |
| MRAC1637 | MRM015739 | 8 | 9 | 56 | 1.75 | 1.24 | 0.27 | 1.66 | 0.34 | 47 | 0.22 | 17 | 5.60 | 2.39 | 0.28 | 0.20 | 11.00 | 1.41 | 161 |
| MRAC1637 | MRM015740 | 9 | 12 | 476 | 6.00 | 3.89 | 1.80 | 7.11 | 1.32 | 294 | 0.60 | 118 | 39.70 | 13.00 | 1.06 | 0.56 | 38.50 | 3.92 | 1,029 |
| MRAC1637 | MRM015741 | 12 | 15 | 305 | 4.52 | 2.75 | 1.89 | 5.69 | 0.92 | 168 | 0.39 | 76 | 24.40 | 10.00 | 0.85 | 0.40 | 28.40 | 2.33 | 645 |
| MRAC1637 | MRM015742 | 15 | 18 | 422 | 8.86 | 5.11 | 2.67 | 12.25 | 1.75 | 204 | 0.68 | 144 | 41.20 | 20.50 | 1.58 | 0.79 | 49.70 | 4.96 | 950 |
| MRAC1637 | MRM015743 | 18 | 21 | 417 | 11.20 | 6.07 | 3.14 | 14.80 | 2.16 | 172 | 0.82 | 153 | 39.90 | 23.30 | 2.00 | 0.86 | 61.20 | 5.35 | 947 |
| MRAC1637 | MRM015744 | 21 | 24 | 376 | 9.36 | 5.36 | 2.46 | 11.95 | 1.84 | 192 | 0.72 | 135 | 38.00 | 19.85 | 1.60 | 0.77 | 55.10 | 4.97 | 881 |
| MRAC1637 | MRM015745 | 24 | 27 | 230 | 3.76 | 2.45 | 1.34 | 4.82 | 0.74 | 134 | 0.37 | 64 | 20.40 | 8.08 | 0.62 | 0.40 | 24.00 | 2.52 | 504 |
| MRAC1637 | MRM015746 | 27 | 30 | 929 | 15.45 | 6.10 | 4.84 | 23.40 | 2.48 | 465 | 0.58 | 387 | 104.00 | 50.00 | 2.84 | 0.80 | 54.60 | 4.49 | 2,063 |

Table 3:
Representative Assay Results for New Reported Drill Holes with High Grade Total Rare Earth Element (TREE) Intersections

| Hole ID | Sample ID | From m | To m | Ce ppm | Dy ppm | Er ppm | Eu ppm | Gd ppm | Ho ppm | La ppm | Lu ppm | Nd ppm | Pr ppm | Sm ppm | Tb ppm | Tm ppm | Y ppm | Yb ppm | TREE ppm |
|----------|-----------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| MRAC1637 | MRM015747 | 30 | 31 | 226 | 5.22 | 2.81 | 1.46 | 6.74 | 1.06 | 140 | 0.34 | 81 | 23.00 | 11.10 | 0.92 | 0.42 | 29.50 | 2.47 | 538 |
| MRAC1638 | MRM015755 | 15 | 18 | 200 | 3.11 | 1.70 | 1.57 | 5.19 | 0.56 | 134 | 0.24 | 85 | 26.70 | 10.90 | 0.61 | 0.27 | 14.20 | 1.96 | 498 |
| MRAC1638 | MRM015756 | 18 | 21 | 454 | 6.76 | 3.59 | 2.94 | 11.00 | 1.23 | 227 | 0.44 | 142 | 42.40 | 17.85 | 1.24 | 0.52 | 34.10 | 2.80 | 961 |
| MRAC1638 | MRM015757 | 21 | 24 | 286 | 4.50 | 2.44 | 2.12 | 7.23 | 0.90 | 190 | 0.35 | 118 | 35.50 | 13.85 | 0.79 | 0.39 | 22.30 | 2.74 | 701 |
| MRAC1638 | MRM015758 | 24 | 27 | 493 | 4.09 | 2.63 | 2.15 | 6.82 | 0.81 | 163 | 0.35 | 108 | 32.40 | 12.85 | 0.67 | 0.42 | 25.30 | 2.73 | 866 |
| MRAC1638 | MRM015759 | 27 | 30 | 315 | 5.19 | 4.62 | 2.21 | 6.92 | 1.32 | 161 | 0.61 | 96 | 29.30 | 11.15 | 0.74 | 0.63 | 56.80 | 4.26 | 707 |
| MRAC1638 | MRM015761 | 30 | 33 | 359 | 3.80 | 2.95 | 2.08 | 5.44 | 0.88 | 185 | 0.49 | 100 | 32.40 | 10.05 | 0.65 | 0.47 | 28.00 | 3.08 | 745 |
| MRAC1638 | MRM015762 | 33 | 36 | 318 | 3.66 | 2.51 | 1.88 | 4.63 | 0.85 | 182 | 0.43 | 88 | 28.90 | 8.59 | 0.55 | 0.41 | 25.10 | 2.83 | 679 |
| MRAC1638 | MRM015763 | 36 | 37 | 362 | 3.75 | 3.01 | 1.94 | 5.23 | 0.88 | 170 | 0.44 | 84 | 27.20 | 8.59 | 0.58 | 0.43 | 28.70 | 2.90 | 711 |
| MRAC1638 | MRM015764 | 37 | 38 | 325 | 4.25 | 3.34 | 1.83 | 5.01 | 0.94 | 175 | 0.56 | 88 | 28.20 | 9.41 | 0.63 | 0.46 | 34.50 | 3.27 | 691 |
| MRAC1639 | MRM015769 | 9 | 12 | 644 | 7.52 | 3.58 | 4.09 | 12.75 | 1.21 | 356 | 0.45 | 219 | 70.50 | 25.50 | 1.47 | 0.53 | 32.50 | 3.23 | 1,416 |
| MRAC1639 | MRM015770 | 12 | 15 | 613 | 13.05 | 5.20 | 8.56 | 24.50 | 2.10 | 295 | 0.48 | 318 | 77.60 | 51.40 | 2.66 | 0.69 | 50.10 | 4.16 | 1,494 |
| MRAC1639 | MRM015771 | 15 | 18 | 501 | 14.65 | 6.73 | 8.29 | 26.20 | 2.43 | 247 | 0.65 | 252 | 62.40 | 43.60 | 2.82 | 0.93 | 63.40 | 5.49 | 1,264 |
| MRAC1639 | MRM015772 | 18 | 21 | 481 | 11.65 | 5.11 | 6.10 | 20.20 | 1.98 | 245 | 0.52 | 209 | 56.90 | 31.70 | 2.27 | 0.71 | 51.90 | 4.07 | 1,150 |
| MRAC1639 | MRM015773 | 21 | 24 | 500 | 8.86 | 4.10 | 5.70 | 15.55 | 1.56 | 260 | 0.40 | 204 | 56.50 | 27.90 | 1.64 | 0.56 | 43.90 | 3.19 | 1,153 |
| MRAC1639 | MRM015774 | 24 | 25 | 525 | 8.85 | 3.78 | 6.11 | 16.45 | 1.47 | 269 | 0.41 | 228 | 62.50 | 31.20 | 1.72 | 0.51 | 42.40 | 2.91 | 1,220 |
| MRAC1639 | MRM015775 | 25 | 26 | 437 | 6.60 | 2.68 | 4.46 | 12.45 | 1.11 | 217 | 0.32 | 184 | 49.40 | 26.20 | 1.32 | 0.35 | 32.00 | 2.22 | 995 |
| MRAC1641 | MRM015788 | 9 | 12 | 166 | 3.23 | 1.98 | 0.86 | 3.68 | 0.72 | 89 | 0.35 | 51 | 16.00 | 5.86 | 0.51 | 0.33 | 18.40 | 2.18 | 380 |
| MRAC1641 | MRM015789 | 12 | 15 | 465 | 5.13 | 3.16 | 1.60 | 7.65 | 1.08 | 250 | 0.69 | 130 | 43.60 | 14.75 | 0.90 | 0.52 | 34.60 | 4.00 | 994 |
| MRAC1641 | MRM015791 | 15 | 18 | 485 | 8.22 | 4.63 | 2.39 | 11.30 | 1.45 | 245 | 0.79 | 156 | 48.40 | 19.90 | 1.33 | 0.74 | 46.00 | 5.14 | 1,068 |
| MRAC1641 | MRM015792 | 18 | 21 | 718 | 15.60 | 8.49 | 4.72 | 20.20 | 3.20 | 428 | 1.04 | 264 | 76.20 | 33.20 | 2.60 | 1.32 | 95.40 | 7.36 | 1,724 |
| MRAC1641 | MRM015793 | 21 | 24 | 562 | 13.30 | 6.73 | 3.80 | 16.80 | 2.51 | 284 | 0.87 | 219 | 61.80 | 30.00 | 2.27 | 1.08 | 68.90 | 6.53 | 1,323 |
| MRAC1641 | MRM015794 | 24 | 27 | 580 | 19.15 | 10.95 | 3.19 | 22.60 | 3.91 | 282 | 1.41 | 220 | 63.50 | 32.80 | 3.18 | 1.66 | 113.00 | 10.20 | 1,419 |
| MRAC1641 | MRM015795 | 27 | 30 | 286 | 8.62 | 4.73 | 1.95 | 10.95 | 1.72 | 134 | 0.54 | 111 | 31.70 | 16.65 | 1.54 | 0.67 | 43.70 | 4.59 | 689 |

Appendix 2

JORC Code, 2012 Edition – Table 1 Report for the Mount Ridley Project

Section 1 Sampling Techniques and Data: Aircore Drilling

(Criteria in this section apply to all succeeding sections.)

| Criteria | JORC Code explanation | Commentary |
|-----------------------|---|--|
| Sampling techniques | Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. | Mount Ridley Mines Limited (ASX: MRD) is reporting results from Aircore (“AC”) drilling. Samples of drill chips were collected through a cyclone as 1m piles laid out consecutively on the ground then sampled as 1m or 3m composite spear samples. |
| | Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. | The AC bulk sample from the cyclone was placed into neat piles on the ground in rows of 10 samples where possible. |
| | Aspects of the determination of mineralisation that are Material to the Public Report. In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information. | AC drilling delivers 1m interval sample piles. Samples of between 1 metre and 3 composited metres taken for analysis. The size of the sample submitted to the laboratory was 2-4kg in weight, which was dried, pulverised, and packaged in a computer-coded packet. A sub-sample was analysed, and the coded packet then stored. Analyses reported herein by ALS Laboratory’s ME-MS81, a lithium borate fusion with ICP-MS finish. Samples were also analysed by the ALS ME-ICP06 whole rock package. |
| Drilling techniques | Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). | AC. A type of reverse circulation drilling using slim rods and a 100mm blade bit drilled to refusal (saprock to fresh rock). |
| Drill sample recovery | Method of recording and assessing core and chip sample recoveries and results assessed. | Recovery was visually assessed, recorded on drill logs, and considered to be acceptable within industry standards. |
| | Measures taken to maximise sample recovery and ensure representative nature of the samples. | The majority of sample were of good quality. Samples were visually checked for recovery, moisture, and contamination. A cyclone was used to deliver the sample into buckets. |
| | Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. | Unknown at this stage. |
| Logging | Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral | Geological logging was complete in full for every hole, this includes lithology, weathering, oxidation state, alteration, veining, mineralisation if present. |

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| | Resource estimation, mining studies and metallurgical studies. | Considered appropriate for this style of drilling and the stage of the project. All holes were chipped for the entire hole for a complete chip tray record. |
| | Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. | Geological logging is inherently qualitative. More specific logging may be undertaken if chemical analyses warrant it. |
| | The total length and percentage of the relevant intersections logged. | All holes were logged for the entire length of the hole. |
| Sub-sampling techniques and sample preparation | If core, whether cut or sawn and whether quarter, half or all core taken. | Not core. |
| | If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. | Original AC samples were collected via a cyclone into a bucket and laid out in rows as single 1m piles. 1m or up to 3m composite samples were 'speared' from the sample piles for an approximately 2.5 - 3.5kg sample. |
| | For all sample types, the nature, quality, and appropriateness of the sample preparation technique. | Sampling technique is appropriate for the drilling method and stage of the project. |
| | Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples. | Duplicates and certified reference material (CRM) were routinely inserted within the sampling sequence approximately one in every thirty samples. CRM material was selected from a range of REE grade populations. |
| | Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. | For AC, field QAQC procedures included the insertion of field duplicates and CRM's at pre-specified intervals at the time of drilling. All duplicate samples were speared for single metre samples and composite sampling, the size/quantity of the samples were kept consistent (approx. 2 kg). This is considered fit for purpose at this stage of the project. An independent appraisal of QC/field duplicates shows that the sample variance is acceptable. |
| | Whether sample sizes are appropriate to the grain size of the material being sampled. | To date this has not been studied as the host material is clay. |
| Quality of assay data and laboratory tests | The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. | Analyses reported herein by ALS Laboratory's ME-MS81, a lithium borate fusion with ICP-MS finish. Selected samples were also analysed by the ALS ME-ICP06 whole rock package. A suite of 15 Rare Earth Elements was targeted, plus whole rock analysis to assist with identifying the underlying geological units. The analytical techniques were recommended by the Company's geochemical consultant, and nominated as appropriate by ALS.. |
| | For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their | None used, not applicable. |

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| | <p>derivation, etc.</p> <p>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</p> | <p>Standards and laboratory checks have been assessed and show results within acceptable limits of accuracy, with good precision in most cases. ALS analysed 6 different standards, which were predominantly 3rd party independently manufactured.</p> |
| Verification of sampling and assaying | The verification of significant intersections by either independent or alternative company personnel. | Significant intersections are calculated by experienced geologists and verified by an independent consultant. |
| | The use of twinned holes. | None, not applicable. |
| | Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. | All collected data stored in a commercially managed database. |
| | Discuss any adjustment to assay data. | Raw assays are stored in the commercially managed database with elemental values calculated to oxide for 15 REE's see Section 2 – Data Aggregation Methods. |
| Location of data points | Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. | <p>AC drill hole collar locations were surveyed using a hand-held GPS with +- 3m accuracy. No down-hole surveys were carried out, drillholes were also vertical.</p> <p>This is considered satisfactory for the stage of the project.</p> <p>DDH collars were surveyed by DGPS.</p> |
| | Specification of the grid system used. | GDA94-51 |
| | Quality and adequacy of topographic control. | RL's estimated from a digital elevation model with points gained as a component of an aeromagnetic survey. The datum may have some error, but RL of holes should be relative to each other and fit for purpose on a hole to hole basis. |
| Data spacing and distribution | Data spacing for reporting of Exploration Results. | Variable, generally 400 along traverses. |
| | Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. | There is insufficient data collected for a Mineral Resource Estimate. |
| | Whether sample compositing has been applied. | Both 1m intervals and 3m composites analysed. |
| Orientation of data in relation to geological structure | Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. | Not determined yet. Likely unbiased as vertical holes are sampling a horizontal mineralised feature. |
| | If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. | Unlikely to be biased as the mineralisation is represented as flat lying lenses and the drilling orientation is perpendicular to mineralisation. |
| Sample security | The measures taken to ensure sample security. | Standard industry practice is used when collecting, transporting, and storing |

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| | | <p>samples for analysis. Calico samples are sealed into poly weave bags, labelled and cable tied. These are then sealed in labelled bulka bags and transported to the laboratory in Perth by established freight companies. Chain of custody is known at all stages of the process. Drilling pulps are retained and stored off site in a designated storage facility.</p> |
| Audits or reviews | The results of any audits or reviews of sampling techniques and data. | <p>Sampling techniques are consistent with industry standards. A third-party geochemical specialist is reviewing the data. Drilling results and geological logging are also cross checked by project geologists.</p> |

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

| Criteria | JORC Code explanation | Commentary |
|---|--|---|
| Mineral tenement and land tenure status | Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. | Tenements E 63/1547, E 63/1564, E 63/1564, E 63/1564, E 63/1564, E 63/1617, E 63/2111, E 63/2112, E 63/2113, E 63/2114, E 63/2117 and E 63/2125 located from 35km northwest of Esperance, Western Australia. Registered Holder is Mount Ridley Mines Limited (Company) (100%). Odette One Pty Ltd has a 15% free-carried beneficial interest in E 63/2117. The Project is subject to a Full Determination of Native Title: which is held by the Esperance Nyungars NNTT Number: WC2004/010, Federal Court Number: WAD28/2019. |
| | The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area. | The tenements are in good standing, and there are no impediments to operating in the targeted areas other than requirements of the DMIRS, DBCA and Heritage Protection Agreements, all of which are industry-standard. |
| Exploration done by other parties | Acknowledgment and appraisal of exploration by other parties. | Many parties, including Government organisations, private and public companies, have explored the area. A substantial compilation of work prior to Mount Ridley was undertaken by Bishop who was the first to research and champion the potential of the Grass Patch Complex, interpreted as a large, crudely layered, amphibolite-gabbro complex beneath shallow cover sediments. The mafic complex is considered to have the potential to host nickel-copper sulphide deposits and PGE deposits. Completed detailed litho-geochemistry interpretation from 'best available' end of hole assays, resulting in a crude basement geological map. Additional drilling tested the models but didn't return assays of commercial consequence. Mount Ridley has completed a large complement of geophysical surveys and drilling, aimed at nickel sulphides and gold. Nearby, Salazar Gold Pty Ltd were the first company to search for REE in the Great Southern, identifying the Splinter REE deposit. Work started in 2010 and continues now. |
| Geology | Deposit type, geological setting, and style of mineralisation. | Clay-hosted rare earth deposit. |

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|---------------------------------|---|---|--------|--------|----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|------------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|-------|--------|----------|--------|--------|-----------|
| <p>Drill hole Information</p> | <p>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length.</p> <p>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</p> | <p>All relevant data for the drilling conducted is tabulated in Appendix 1 of this announcement.</p> <p>It should be noted that RL is estimated from a digital elevation model gained during an aeromagnetic survey.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Data aggregation methods</p> | <p>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</p> <p>The assumptions used for any reporting of metal equivalent values should be clearly stated.</p> | <p>Assay results not reported. Significant intersections are calculated using a minimum 1m thickness, minimum 300ppm TREO cut-off, maximum internal dilution of 3m, no external dilution.</p> <p>No metal equivalent values have been used.</p> <p>Stoichiometric factors to convert elements to oxides:</p> <table border="1" data-bbox="1144 683 1961 1182"> <tr><td>Ce_ppm</td><td>1.2284</td><td>CeO2_ppm</td></tr> <tr><td>Dy_ppm</td><td>1.1477</td><td>Dy2O3_ppm</td></tr> <tr><td>Er_ppm</td><td>1.1435</td><td>Er2O3_ppm</td></tr> <tr><td>Eu_ppm</td><td>1.1579</td><td>Eu2O3_ppm</td></tr> <tr><td>Gd_ppm</td><td>1.1526</td><td>Gd2O3_ppm</td></tr> <tr><td>Ho_ppm</td><td>1.1455</td><td>Ho2O3_ppm</td></tr> <tr><td>La_ppm</td><td>1.1728</td><td>La2O3_ppm</td></tr> <tr><td>Lu_ppm</td><td>1.1372</td><td>Lu2O3_ppm</td></tr> <tr><td>Nd_ppm</td><td>1.1664</td><td>Nd2O3_ppm</td></tr> <tr><td>Pr_ppm</td><td>1.2082</td><td>Pr6O11_ppm</td></tr> <tr><td>Sm_ppm</td><td>1.1596</td><td>Sm2O3_ppm</td></tr> <tr><td>Tb_ppm</td><td>1.1762</td><td>Tb4O7_ppm</td></tr> <tr><td>Tm_ppm</td><td>1.1421</td><td>Tm2O3_ppm</td></tr> <tr><td>Y_ppm</td><td>1.2695</td><td>Y2O3_ppm</td></tr> <tr><td>Yb_ppm</td><td>1.1387</td><td>Yb2O3_ppm</td></tr> </table> <p>Source: Element-to-stoichiometric oxide conversion factors - JCU Australia.</p> <p>TREO: the sum of Sm₂O₃, Dy₂O₃, Er₂O₃, Eu₂O₃, Gd₂O₃, Ho₂O₃, Lu₂O₃, Tb₄O₇, Tm₂O₃, Yb₂O₃, Ce₂O₃, La₂O₃, Nd₂O₃, and Pr₂O₃.</p> <p>HREO: the sum of Sm₂O₃, Dy₂O₃, Er₂O₃, Eu₂O₃, Gd₂O₃, Ho₂O₃, Lu₂O₃, Tb₄O₇, Tm₂O₃ and Yb₂O₃.</p> <p>LREO: the sum of Ce₂O₃, La₂O₃, Nd₂O₃, and Pr₂O₃.</p> <p>CREO: the sum of Dy₂O₃, Eu₂O₃, Nd₂O₃, Tb₄O₇, and Y₂O₃.</p> <p>MagREO: the sum of Dy₂O₃, Nd₂O₃, Pr₆O₁₁ and Tb₄O₇.</p> | Ce_ppm | 1.2284 | CeO2_ppm | Dy_ppm | 1.1477 | Dy2O3_ppm | Er_ppm | 1.1435 | Er2O3_ppm | Eu_ppm | 1.1579 | Eu2O3_ppm | Gd_ppm | 1.1526 | Gd2O3_ppm | Ho_ppm | 1.1455 | Ho2O3_ppm | La_ppm | 1.1728 | La2O3_ppm | Lu_ppm | 1.1372 | Lu2O3_ppm | Nd_ppm | 1.1664 | Nd2O3_ppm | Pr_ppm | 1.2082 | Pr6O11_ppm | Sm_ppm | 1.1596 | Sm2O3_ppm | Tb_ppm | 1.1762 | Tb4O7_ppm | Tm_ppm | 1.1421 | Tm2O3_ppm | Y_ppm | 1.2695 | Y2O3_ppm | Yb_ppm | 1.1387 | Yb2O3_ppm |
| Ce_ppm | 1.2284 | CeO2_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dy_ppm | 1.1477 | Dy2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Er_ppm | 1.1435 | Er2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eu_ppm | 1.1579 | Eu2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gd_ppm | 1.1526 | Gd2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ho_ppm | 1.1455 | Ho2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| La_ppm | 1.1728 | La2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lu_ppm | 1.1372 | Lu2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nd_ppm | 1.1664 | Nd2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr_ppm | 1.2082 | Pr6O11_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sm_ppm | 1.1596 | Sm2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tb_ppm | 1.1762 | Tb4O7_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tm_ppm | 1.1421 | Tm2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y_ppm | 1.2695 | Y2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yb_ppm | 1.1387 | Yb2O3_ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Relationship between mineralisation widths and intercept lengths | <p>These relationships are particularly important in the reporting of Exploration Results.</p> <p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p> <p>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</p> | <p>The interdependence of mineralisation width and length has not been established. To date the targeted mineralisation seems to be a flat-lying sheet, so vertical drilling suggests true width is similar to downhole width. The marginsto mineralisation have not been determined.</p> |
| Diagrams | <p>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</p> | <p>Refer to maps, tables and figures in this report.</p> |
| Balanced reporting | <p>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</p> | <p>Selected composite samples reported in Table 1 are converted from REE values and aggregated according to the stoichiometric factors and formula above.</p> <p>Assay results in Table 3 are as received (except TREE, which is calculated).</p> |
| Other substantive exploration data | <p>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</p> | <p>All new, meaningful, and material exploration data has been reported.</p> |
| Further work | <p>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</p> | <p>Analysis of additional samples is progressing and will be reported when received.</p> |
| | <p>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</p> | <p>Metallurgical testwork has commenced and will be ongoing.</p> <p>3D geological modelling and mineralisation studies are being carried out.</p> <p>Additional drilling is planned.</p> |