ionic rare earths

ASX: IXR

**ASX Announcement**

15 May 2024

# UPDATED MAKUUTU MRE CONTAINS OVER 126,000 TONNES OF MAGNET RARE EARTH OXIDES, 99,000 TONNES OF HEAVY RARE EARTH OXIDES

- **Significant increase in Makuutu Mineral Resource Estimate (MRE) with Indicated Resource tonnage growing 28%, and total MRE tonnage increasing by 16%;**
- **Updated Makuutu MRE contains approximately 126,000 tonnes of magnet Rare Earth Oxides[1] (REOs), including approximately;**
  - **86,000 tonnes of NdPr oxide;**
  - **7,400 tonnes of DyTb oxide;**
- **Updated Makuutu MRE contains approximately 99,000 tonnes of heavy REOs[2];**
- **Updated MRE delivers 3-fold increase in resource tonnage over Retention Licence (RL) 00007, with majority now at Indicated classification to support next Mining Licence Application; and**
- **Makuutu is the most advanced Ionic Adsorption Clay (IAC) project in development today, with product available for alternative supply chains looking to decouple from existing sources.**

Ionic Rare Earths Limited ("IonicRE" or "the Company") (ASX: IXR) is pleased to advise an updated Mineral Resource Estimate (MRE) at its 60 per cent owned Makuutu Heavy Rare Earths Project ("Makuutu" or "the Project") in Uganda.

The Company is progressing the development at the Makuutu Project through local Ugandan operating entity Rwenzori Rare Metals Limited ("RRM"). IonicRE has signed a conditional share purchase agreement to acquire an additional 34% interest in RRM and the strategic Makuutu Rare Earths Project, taking its ownership to 94% on completion. During the March quarter, IonicRE shareholders approved the transaction terms and pending completion of conditions precedent, the transaction is expected to be completed in H2 2024.

The MRE has been updated with results from the 2023 Phase 5 infill and extension drilling results which targeted MRE areas A and B. The previous Makuutu Project MRE[3] reported in May 2022 contained Inferred Resources only for Areas A and B, with the Phase 5 drilling program increasing resource confidence and extending the defined mineralisation in these areas by approximately 85 million tonnes.

The updated Makuutu MRE summarised in Table 1 is estimated at **617 million tonnes at 630ppm Total Rare Earth Oxide (TREO)**, above a cut-off grade of 200 parts per million (ppm) TREO minus $CeO_2$ (TREO-$CeO_2$). This represents an increase in 85 million tonnes (16%) in the total resource with a 2% reduction in overall TREO grade from the previous resource estimate.

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[1] Magnet REOs = $Nd_2O_3 + Pr_6O_{11} + Tb_4O_7 + Dy_2O_3 + Sm_2O_3 + Gd_2O_3 + Ho_2O_3$

[2] Heavy REOs = $Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3$, + $Lu_2O_3 + Y_2O_3$

[3] ASX announcement 03/05/2022 "*SUBSTANTIAL INCREASE TO MAKUUTU RESOURCE TO OVER 500 MILLION TONNES*"

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Importantly, the updated Makuutu MRE has a contained resource of approximately 126,000 tonnes of magnet REOs and 99,000 tonnes of heavy REOs critical to efforts to establish new sources of strategic raw materials for the energy transition, advanced manufacturing, communications and defence.

The Indicated component of the MRE has been increased by 113 million tonnes to 517 million tonnes at 650 ppm TREO, representing a 28% increase in indicated tonnes with a reduction of 3% in TREO grade from the previous Indicated Resource estimate. The Inferred resource has reduced by 28 million tonnes with the majority of this reduction reflecting the conversion of Inferred to Indicated confidence status in Areas A and B, located on Retention Licence (RL) 00007.

The Makuutu MRE has been updated based on the following key inputs:

1. Phase 5 drill program of 128 HQ core drill holes for 2,501 metres, drilled between July and October 2023. A total of 2,595 samples from the drilling were analysed for a multi-element suite by ALS Perth laboratory;
2. The Phase 5 drilling was completed to provide a 200-metre grid of infill holes over previously Inferred resources of Areas A and B and was also planned to extended the resource outside the previous boundaries;
3. Area A was extended approximately 1.5 kilometres west into Exploration target A1. Area B was extended approximately 500 metres to the southwest of the previous resource boundary;
4. 603 insitu dry bulk density measurements from Phase 5 drill core samples were included; and
5. Accurate surface digital terrain model (DTM) derived from high resolution satellite imagery acquired in 2021 covering all resource areas.

**Table 1: Makuutu Resource above 200ppm TREO-$CeO_2$ Cut-off Grade.**

| Resource Classification | Tonnes (millions) | TREO (ppm) | TREO- $CeO_2$ (ppm) | LREO (ppm) | HREO (ppm) | CREO (ppm) | $Sc_2O_3$ (ppm) |
|---|---|---|---|---|---|---|---|
| Indicated | 517 | 650 | 440 | 470 | 170 | 220 | 30 |
| Inferred | 99 | 560 | 380 | 420 | 140 | 190 | 30 |
| **Total** | **617** | **630** | **430** | **460** | **160** | **210** | **30** |

Rounding has been applied to 1Mt and 10ppm which may influence averaging calculation.
All REO are tabulated in Appendix 1 with formulas defining composition of (Light Rare Earth Oxides ("LREO"), HREO and Critical Rare Earth Oxides ("CREO").
$Sc_2O_3$ formula provided in Appendix 1.

Commenting on this significant MRE update, IonicRE's Managing Director, Mr Tim Harrison said:

*"The updated Mineral Resource Estimate at Makuutu is in line with expectation, confirming significant additional tonnage to the west of the existing stage 1 mining licence area LML00334. With this information we can progress with planning on the next mining licence application and can also provide context on the growth opportunity of the Project to the west.*

*"The increase in the overall magnet and heavy REOs contained within the total resource reaffirms the positioning of Makuutu as a development ready, long-life alternative supply source for countries looking to diversify their primary rare earth sourcing strategies, and positions IonicRE with a unique offering to groups the Company is presently in discussion with regarding immediate term supply from both recycling REOs (secondary sourcing) and near-term mined and processed MREC (primary sourcing)."*

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## MAKUUTU MINERAL RESOURCE ESTIMATE UPGRADE

### Resource Areas A and B Updates

Based on the Phase 5 drilling assays, the mineral resource estimates have been updated in Areas A and B only.

Drilling infilled the previous Inferred resource areas on a 200-metre spaced pattern and extended the drilling coverage of both areas beyond previous limits. Figure 1 shows the infill drilling locations on Areas A and B, and the updated Indicated and Inferred resource areas compared to the previous 2022 resource boundaries.

The extension drilling was particularly significant on Area A, defining mineralisation up to 1.5 kilometres west of the previous drilling limit. This extension to Area A has increased the total resources for that area from an Inferred only status of 13 million tonnes at 580ppm TREO in May 2022, to a revised resource of 85 million tonnes at 530ppm TREO including 79 million tonnes at 540ppm of Indicated resource.

Area B was extended to the southeast with the infill drilling also providing higher TREO grade than the 2022 Inferred resource. Consequently, the Area B resource has grown from 26 million tonnes at 410ppm TREO Inferred resource to a total resource of 39 million tonnes at 530ppm TREO including 38 million tonnes at Indicated status.

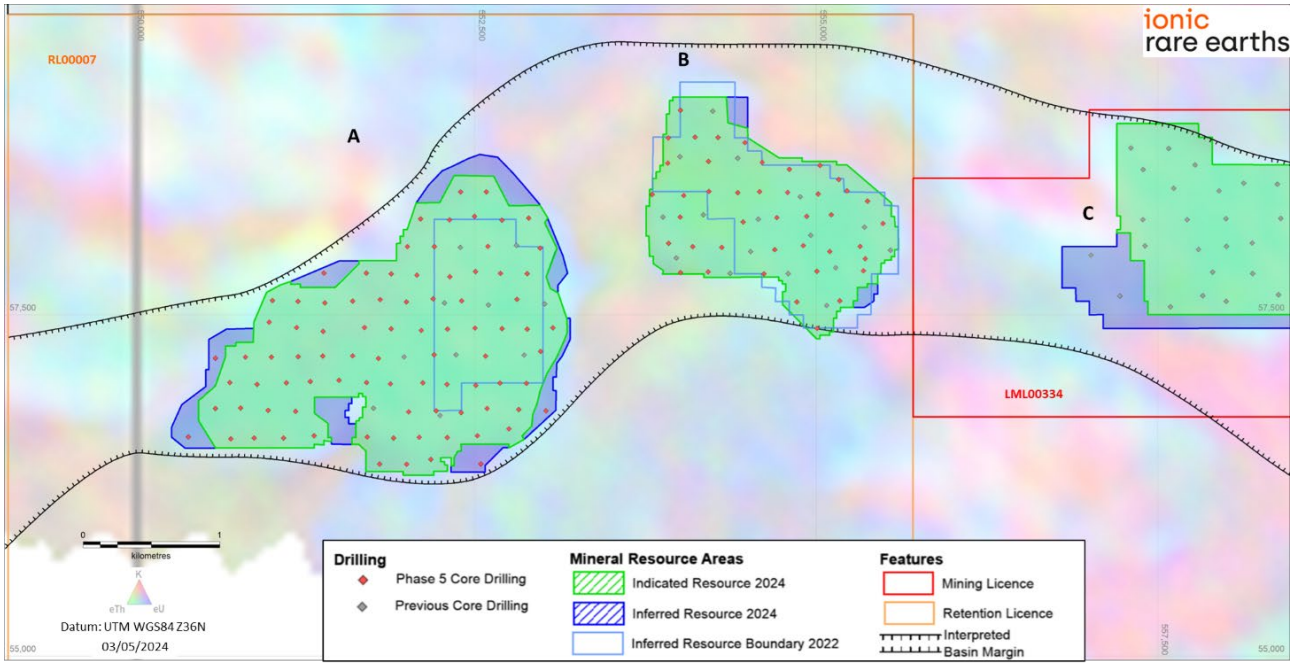


**Figure 1: Resource areas A, B and C showing location of Phase 5 core drilling program (red points), previous drilling (grey points) with 2024 MRE Indicated Resource (green shade) and Inferred Resource (blue shade) and 2022 MRE inferred outline (pale blue).**

### Makuutu Resource Limits

The Makuutu MRE is reported over eleven (11) low plateaus defined by radiometric eU/eTh anomalism on granted Large Scale Mining Licence LML00334 plus RL00007, and RL00234. Figure 2 shows the 11 areas, denoted from A to I, along with the Makuutu Central Zone ("MCZ") and Makuutu Central Zone East ("MCZE").

The MRE only includes clay and saprolite regolith types, with surface hardcap material excluded while processing alternatives are tested for this material. This is consistent with the Company's knowledge of other IAC deposits, especially those in southern China.

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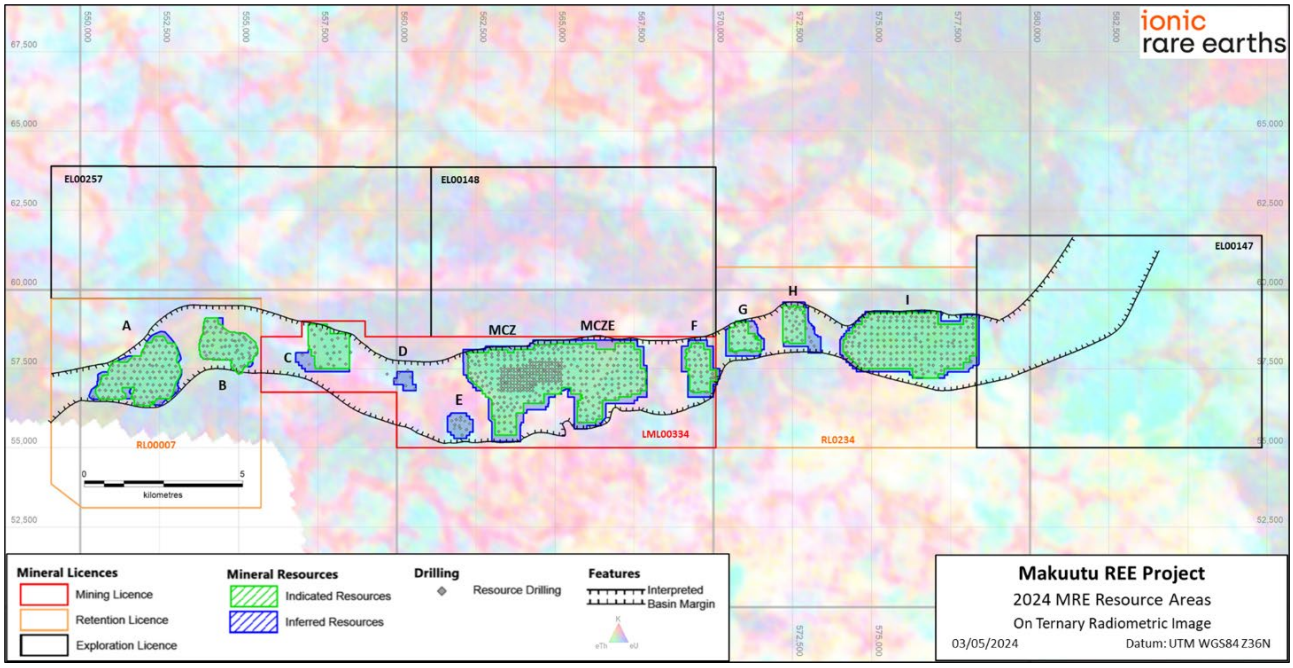


**Figure 2: Plan view of MRE areas by classification. Green shading on Indicated resource areas and blue on Inferred resource areas with drill hole locations and mineral licences on ternary radiometric image.**

### Resource Areas

The MRE has determined classified resources in all of the eleven (11) drilled areas.

Indicated Resources have been determined in all areas where the drill spacing is 200-metre x 200-metre or closer and has provided adequate data and displayed geological continuity to support this level of confidence.

The Inferred Resource areas are located in areas where the drilling is at a 400-metre x 400-metre spacing and on the margins of the Indicated Resource areas. To increase confidence on the Inferred Resources requires further drilling to reduce the drill spacing.

The reported resources designated by each of the areas is detailed within Table 2, along with the resource areas shown by resource classification.

### Grade Tonnage Relationship

Grade tonnage curve analysis of the resource shows the robustness of grade continuity in the Indicated resources with a gradual reduction in tonnes and grade with increasing cut-off.

The Inferred resource displays a steeper relationship indicating the lower grade and marginal location of these resource areas.

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## Table 2: Mineral Resources by Area

| Classification | Indicated Resource | | | Inferred Resource | | | Total Resource | | |
|---|---|---|---|---|---|---|---|---|---|
| Area | Tonnes (millions) | TREO (ppm) | TREO-$CeO_2$ (ppm) | Tonnes (millions) | TREO (ppm) | TREO-$CeO_2$ (ppm) | Tonnes (millions) | TREO (ppm) | TREO – $CeO_2$ (ppm) |
| A | 76 | 540 | 370 | 9 | 470 | 320 | 85 | 530 | 360 |
| B | 38 | 530 | 480 | 1 | 480 | 320 | 39 | 530 | 480 |
| C | 31 | 580 | 400 | 3 | 490 | 350 | 35 | 570 | 400 |
| D | | | | 6 | 560 | 400 | 6 | 560 | 400 |
| E | | | | 18 | 430 | 280 | 18 | 430 | 280 |
| Central Zone | 151 | 780 | 540 | 12 | 670 | 460 | 163 | 770 | 530 |
| Central Zone East | 59 | 750 | 490 | 12 | 650 | 430 | 72 | 730 | 480 |
| F | 18 | 630 | 420 | 7 | 590 | 400 | 25 | 620 | 410 |
| G | 9 | 750 | 500 | 5 | 710 | 450 | 14 | 730 | 480 |
| H | 6 | 800 | 550 | 7 | 680 | 480 | 13 | 740 | 510 |
| I | 129 | 540 | 350 | 19 | 530 | 350 | 148 | 540 | 350 |
| **Total Resource** | **517** | **650** | **440** | **99** | **560** | **380** | **617** | **630** | **430** |

Rounding has been applied to 1Mt and 10ppm which may influence averaging calculations.

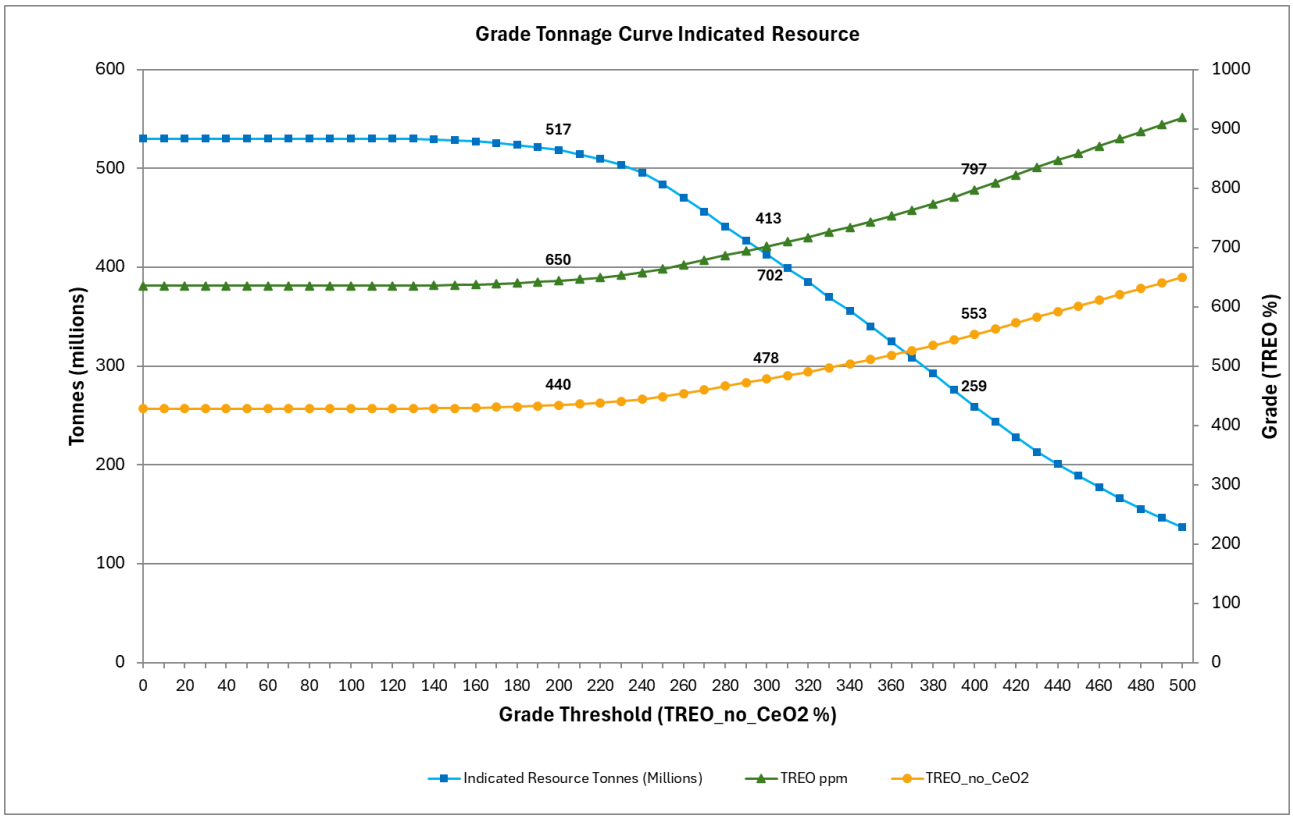


**Figure 3: Grade Tonnage Curve – Indicated Resource.**

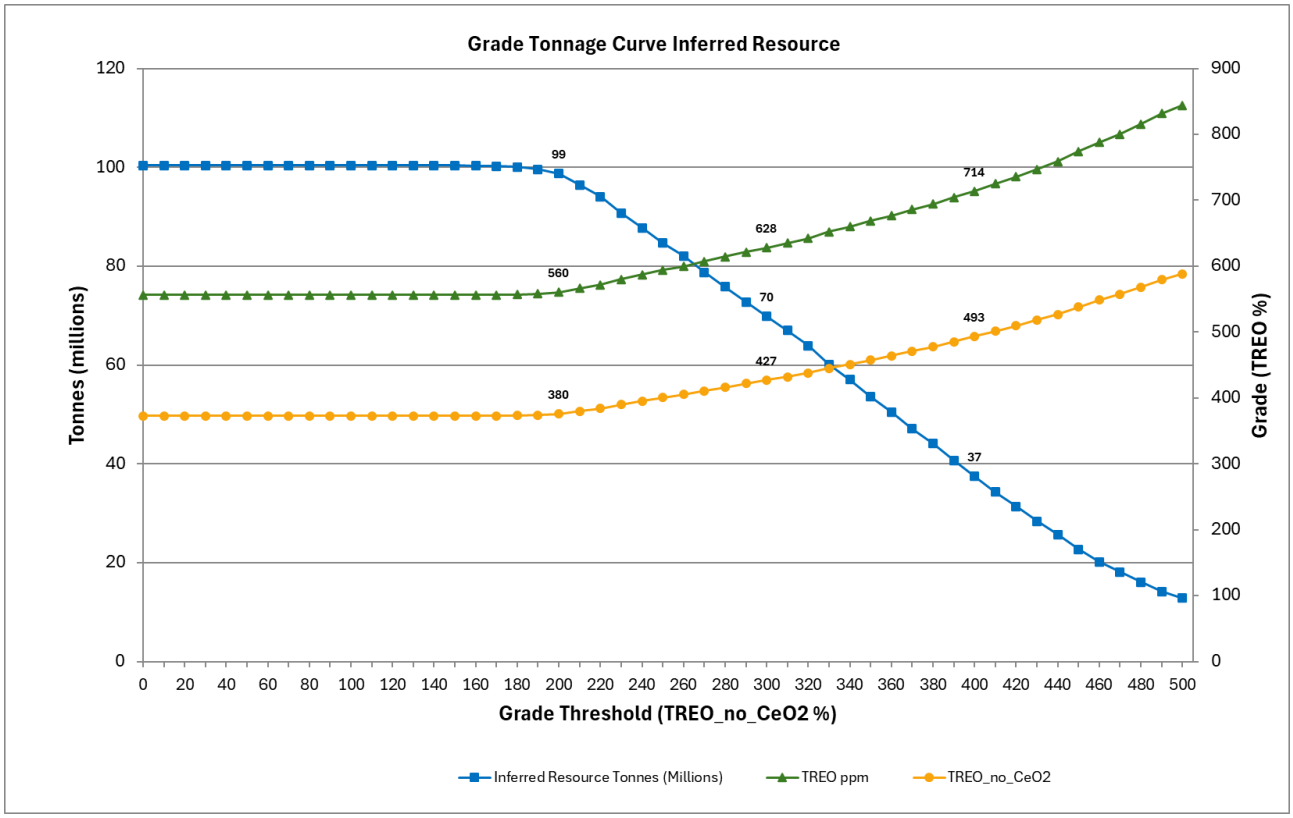


**Figure 4: Grade Tonnage Curve – Inferred Resource.**

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### Summary of Material Information Used to Estimate the Mineral Resource

The following is a summary of material information used to update the estimate of the Mineral Resource, as required by Listing Rule 5.8.1 and JORC 2012 Reporting Guidelines. The MRE update was prepared by independent specialist resource and mining consulting group, Cube Consulting Pty Ltd ("Cube"). The update was undertaken on data provided by drilling undertaken in 2023 with resources areas A and B the only changed areas from the previous MRE completed in May 2022.

### Mineral Tenement and Land Tenure Status

The Makuutu Rare Earths Project is in the Republic of Uganda. The Project includes six (6) mineral tenements covering approximately 298 km$^2$, comprising one (1) granted Large Scale Mining Licence (LML00334), two (2) granted Retention Licences (RL00007 and RL00234) and three (3) Exploration Licences (EL00147, EL00148 and EL00257). All licences are in good standing with no known impediments. Figure 2 shows the licence areas and Table 3 lists the details of each licence.

The Makuutu Rare Earths Project is 100% owned by Rwenzori Rare Metals Limited (RRM), a Ugandan registered company. IonicRE currently has earned a 60% shareholding in RRM. IonicRE has agreed terms with partners in RRM on moving to 94% ownership which is expected to occur in H2 2024.

**Table 3: Makutu Rare Earths Project Tenement Details.**

| Licence ID | Licence Type | Application Date | Granted Date | Expiry / Renewal Date | Area (km²) |
|---|---|---|---|---|---|
| **RL00007** | Retention | 12/12/2022 | 20/12/2022 | 26/11/2024 | 43.38 |
| **LML00334** | Mining | 01/09/2022 | 28/12/2023 | 27/12/2044 | 43.78 |
| **RL00234** | Retention | 26/06/2021 | 06/07/2021 | 05/07/2024 | 47.03 |
| **EL00257** | Exploration | 15/07/2021 | 21/10/2021 | 20/10/2024 | 55.51 |
| **EL00147** | Exploration | 01/09/2023 | Approved -Pending | Pending | 60.30 |
| **EL00148** | Exploration | 01/09/2023 | Approved - Pending | Pending | 48.15 |

* Renewal approved

**Geology**

The Makuutu deposit is confirmed to be an ionic adsorption clay (IAC) rare earth element (REE) deposit like those in south China, Myanmar, Madagascar, Chile and Brazil.

The mineralisation is contained within the tropical lateritic weathering profile of a basin filled with sedimentary rocks including shales, mudstones and sandstones potentially derived from the surrounding granitic and mafic rocks. These sediments then form the protolith that was subjected to prolonged tropical weathering.

The weathering developed a lateritic regolith with a surface indurated hardcap, followed downward by clay rich zones that grade down through saprolite and saprock to unweathered sediments (Figure 5). The thickness of the regolith is between 5 and 30 metres from surface.

The REE mineralisation is concentrated in the weathered profile where it has dissolved from its primary mineral form, such as monazite and xenotime, then ionically bonded (adsorbed) or colloidally bonded on to fine particles of aluminosilicate clays (e.g. kaolinite, illite, smectite). The adsorbed and colloidal REE is the target for extraction and production of REO at Makuutu.

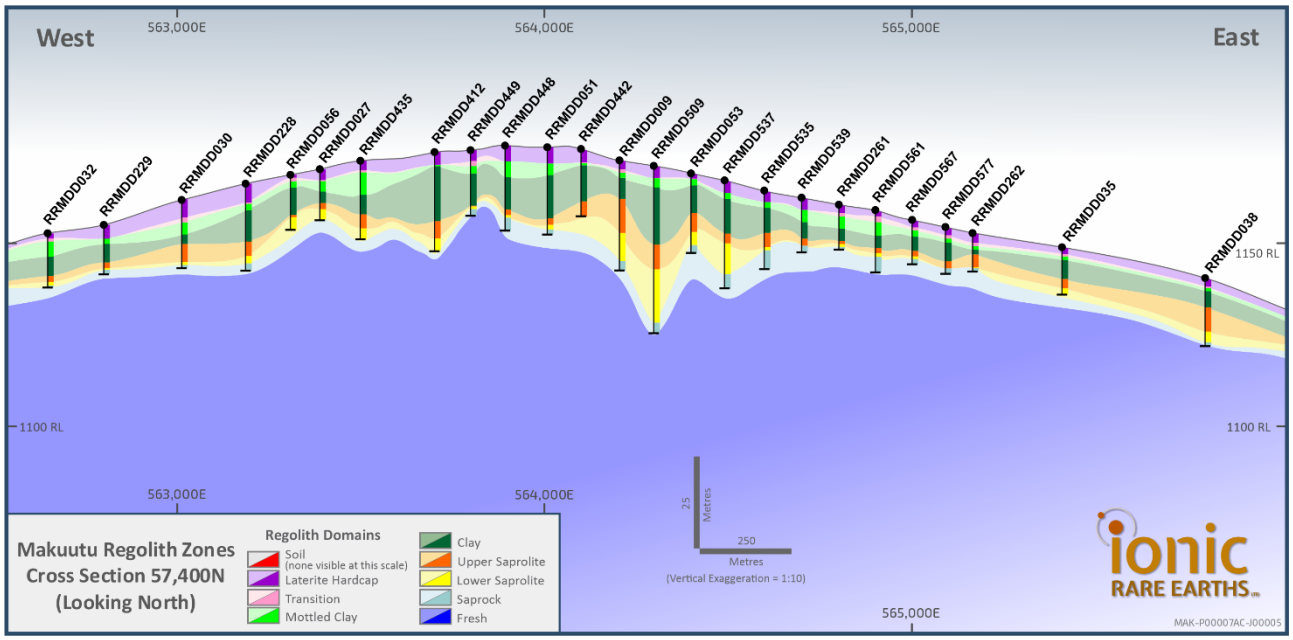


**Figure 5: Makuutu Central Zone cross section 57,400N (Looking North) Regolith Zonation (10x vertical exaggeration).**

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**Drilling Techniques and Hole Spacing**

Drilling completed at Makuutu and used to support the MRE includes 839 diamond core (DDH) holes for a total of 15,456 metres (average depth is 18.4 metres). The updated MRE for Areas A and B used 128 HQ core drill holes for 2,501 metres with an average depth of 19.5 metres.

All diamond holes are drilled from surface and oriented vertically. Drilling used a HQ triple tube size (~61.1 mm diameter) with the triple tube techniques used to maximise core recovery. Drill core was collected from a core barrel and placed in appropriately marked core trays. Down hole core run depths were measured and marked with core blocks. Core was measured for core loss and core photography and geological logging completed.

**Sampling**

Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre applied in clay zones and up to 2 metres in laterite zones where core recovery was occasionally low. Where the core contained continuous lengths of soft clay a carving knife was used to cut the core. When the core was too hard to knife cut it was cut using an electric core saw. Using either method, core was initial cut in half then one half was further cut in half to give quarter core. Quarter core was submitted to ALS Perth laboratory for chemical analysis using industry standard sample preparation and analytical techniques. Half core was collected for metallurgical test work.

Certified reference materials ("CRM"), analytical blanks, and field duplicates were used as part of the QAQC procedures and were each inserted at a rate of 1:25 samples. Alternate method analysis has been conducted on a selection of sample pulps using Laser Ablation MS technique at Bureau Veritas Minerals laboratory in Perth WA.

**Sample Analysis**

All DDH samples were dispatched by air freight direct to ALS Perth laboratory, Australia. Sample preparation included whole sample crushing to 70% less than 2mm, Boyd rotary slitting to generate a 750g sub-sample, and pulverising to achieve better than 85% passing 75 microns. Analysis for REE suite was via Lithium Borate Fusion ICP-MS (ALS code ME-MS81), with elements analysed at ppm levels. This method is considered a total analysis.

**Estimation Methodology**

The geological interpretation utilised lithological logging data, and assay data to guide and control the Mineral Resource estimation. In the May 2022 MRE Leapfrog™ implicit modelling software was utilised to generate three-dimensional wireframes of the applicable regolith units. For this updated MRE focusing only on Areas A and B, digitised regolith units based on lithological logging and assay data were created due to the relatively small size of the areas. All other areas remained unchanged from May 2022.

Estimation domains were based on grouping of the regolith domains into six zones as defined by regolith rheology, and by comparison of regolith statistics:

- Domain 1,2,3 – Cover zone (Soil, Hardcap and Transition regolith zones)
- Domain 4 – Mottled zone (Mottled regolith zone)
- Domain 5 – Clay zone (Clay regolith zone)
- Domain 6 – Upper Saprolite zone
- Domain 7 – Lower Saprolite zone
- Domain 8,9 – Basement zone (Saprock and Fresh Rock regolith zones)

Drill hole sample data was flagged using domain codes generated from three-dimensional mineralisation domains. Sample data was composited to one-metre downhole lengths using a best fit-method. No residuals were generated. Statistical analysis was carried out on data from all estimated domains, with hard boundary techniques employed within each estimation domain.

Analysis of the composite data indicated the presence of outlier values indicating grade capping was required for Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Th, Tm, U, Y and Yb. Capped values were generally selected above the 99th percentile.

A total of 15 REE grade attributes (Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, and Lu), the associated element Sc, and 2 deleterious elements (U, and Th) were estimated. Final estimated values are converted to stoichiometric oxide values by calculation using published ratios to support reporting of rare earth oxides (REO). The grade estimation process in May 2022 was completed using Maptek Vulcan software using Ordinary Kriging (OK) together with dynamic anisotropy to guide the grade interpolation parallel to the regolith boundaries. The updated estimation of Areas A and B was completed using Isatis Mining package with GEOVIVA Surpac used to construct the block model.

For estimation domains with insufficient sample data, a variogram model from a comparable domain was assigned.

Interpolation parameters for updated Areas A and B were derived using standard exploratory data analysis techniques of statistical and continuity analysis consistent with the May 2022 MRE. Appropriate interpolation strategies were developed on a domain basis using kriging neighbourhood analysis ("KNA") with minor interpolation differences used in 2024 update of Areas A and B from those used in the May 2022 estimate of all other areas;

- **Areas A and B (2024 MRE update):** Minimum number of 7 and a maximum of 21 composites with an octant search with an octant search applied with a restriction on the number of composites per octant set to five. Blocks were estimated in a two-pass strategy with the first pass maximum of 200 metres and second pass 6,000 metres. Due to the regular drill spacing most blocks were filled in the first pass. Distance limited grade capping was required in Area A for some elements in the clay and upper saprolite regolith zones. This cap controls the extrapolation of high grades to a limit of 50 metres with values capped as listed in Table 4.
- **All other areas except A and B (2022 MRE):** Minimum number of 8 composites and a maximum number of 20 composites, with an octant search applied with a restriction on the number of composites per octant set to five. Blocks were estimated in a two-pass strategy with first pass maximum search distances of 320 and 3,350 metres depending on estimation variable and domain. The second pass relaxed the minimum samples to four and removed the octant restriction.

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**Table 4: Distance Capped Element Values Area A.**

| Element | Capped Values ppm Area A | |
|---|---|---|
| | Clay | Upper Saprolite |
| **Dy** | 30 | 40 |
| **Er** | 18 | 25 |
| **Eu** | 9 | 12 |
| **Gd** | 35 | 42 |
| **Ho** | 6 | 9 |
| **Lu** | 2 | 3 |
| **Tb** | 5 | 7 |
| **Tm** | 2 | 3 |
| **Y** | 150 | 300 |
| **Yb** | 15 | 25 |

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The model has a block size of 100 m (X) by 100 m (Y) by 2 m (Z) with sub-celling of 25 m (X) by 25 m (Y) by 1m (Z). Within the Central Main area drilling has been completed at an average of 100 m (X) by 100 m (Y), with the parent cells in this area reduced to 50 m (X) by 50 m (Y) by 2 m (Z) with sub-celling of 25 m (X) by 25 m (Y) by 1m (Z). Grades were estimated into the parent cells.

The block model was validated using a combination of visual and statistical techniques including global statistics comparisons, correlation coefficients comparisons, and trend plots.

**Resource Classification**

A range of criteria was considered by Cube when addressing the suitability of the classification boundaries. These criteria include:

- Geological continuity and volume;
- Drill spacing and drill data quality;
- Modelling technique; and
- Estimation properties, including search strategy, number of informing composites, average distance of composites from blocks and kriging quality parameters.

The Indicated Resource is reported from all prospect areas except Areas D, and E which remain Inferred Resources based on the broad 400m x 400m drill spacing (Figure 2).

**Cut-off Grade**

The Mineral Resource has been reported above a 200 ppm TREO minus $CeO_2$ cut-off. This is consistent with cutoff grade applied to the May 2022 MRE and the Project Feasibility Study reported to the ASX on 20 March 2023[4].

Reporting of the updated Mineral Resources have been assessed against the same resource limiting optimisation shell using appropriate cost, metallurgical recovery, and price assumptions as applied to previous MRE. Material within the optimised pit shell has, in the opinion of the Competent Person, met the conditions for reporting of a Mineral Resource with reasonable prospects of economic extraction.

[4] ASX announcement 20/03/2023 – 'MAKUUTU STAGE 1 DFS CONFIRMS TECHNICAL AND FINANCIAL VIABILITY FOR SUSTAINABLE, LONG-LIFE SUPPLY OF MAGNET AND HEAVY RARE EARTHS, MAIDEN ORE RESERVE ESTIMATE'

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**Mining and Metallurgy**

Development of this Mineral Resource assumes mining using standard equipment and methods. The assumed mining method is conventional truck and shovel, open pit mining at an appropriate bench height.

Significant metallurgical test work on mineralisation at the Project has been undertaken including over five hundred and twenty-seven (527) variability interval desorption bottle rolls, eighty-eight (88) variability desorption column composite bottle rolls, over thirty (30+) 3-metre and 5-metre heap leach columns which indicate metallurgical recoveries of up to 75% TREE-Ce (Total Rare Earth Element minus Cerium) were achieved using simple extraction techniques. Details of this work was reported on the ASX as part of the Project Feasibility Study on 20 March 2023.

In addition to the laboratory test work pilot plant extraction of rare earths has commenced at the Project with initial mixed rare earths carbonate (MREC) production from this plant reported to the ASX on March 13 2024[5].

These bodies of work and results are considered adequate to achieve reasonable expectations of economic metallurgical processing of the project mineralisation.

**Current Makuutu Rare Earths Project Work Program**

Presently, the Project team is operating the Makuutu Demonstration Plant producing MREC to facilitate advanced offtake and strategic partner negotiations. The Company is progressing with several work streams to support a targeted Final Investment Decision in late 2024, a key requirement for the potential supply of magnet and heavy REOs required to feed new heavy REO refining capacity projected to be coming online by 2026.

## REVISED EXPLORATION TARGETS AT MAKUUTU

Further to this update in the MRE at Makuutu, the previous Exploration Targets announced at Makuutu on 27 February 2024[6] are now revised to reflect the Phase 5 resource drilling successfully extending MRE Area A into the Exploration Target A1 and therefore reducing the overall Project Exploration Target. Target A1 remains in a reduced size.

The updated overall Makuutu Exploration Target has therefore been revised to:

**277 – 750 million tonnes grading 400 – 700 ppm TREO***

*This Exploration Target is conceptual in nature but is based on reasonable grounds and assumptions. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

The Exploration Target is outside the current Makuutu Mineral Resource Estimate with locations shown in Figure 6 and detailed in Table 5 by target number and in Table 6 by mineral licence.

[5] ASX announcement 13/03/2024 – 'FIRST MIXED RARE EARTH CARBONATE PRODUCED AT MAKUUTU'

[6] ASX announcement 27/02/2024 – 'MAKUUTU EXPLORATION TARGET INCREASED 40% WITH ADDITION OF EXPLORATION LICENCE 00257

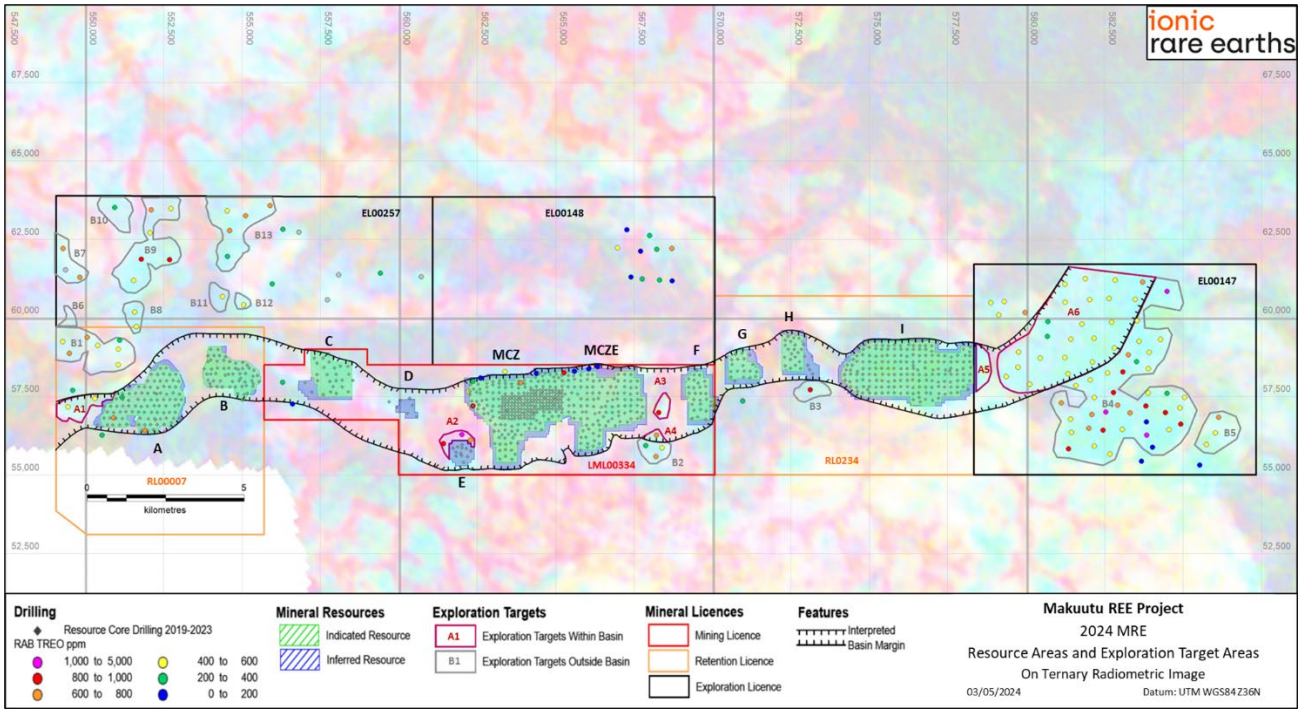


**Figure 6: Makuutu project showing location of Exploration Target and Mineral Resource Areas.**

## Table 5: Makuutu Exploration Target

| | | Tonnes Range (millions) | | TREO ppm Range | |
|---|---|---|---|---|---|
| **Zone** | **Target ID** | **Minimum** | **Maximum** | **Minimum** | **Maximum** |
| **Inside Basin** | **A1** | 6 | 12 | 400 | 600 |
| | **A2** | 2 | 5 | 600 | 800 |
| | **A3** | 2 | 5 | 600 | 800 |
| | **A4** | 2 | 4 | 500 | 700 |
| | **A5** | 4 | 8 | 400 | 600 |
| | **A6** | 90 | 180 | 400 | 600 |
| **Outside Basin** | **B1** | 15 | 45 | 500 | 700 |
| | **B2** | 4 | 12 | 400 | 600 |
| | **B3** | 2 | 6 | 600 | 800 |
| | **B4** | 73 | 220 | 400 | 700 |
| | **B5** | 8 | 28 | 400 | 600 |
| | **B6** | 1 | 3 | 400 | 600 |
| | **B7** | 10 | 32 | 500 | 700 |
| | **B8** | 2 | 5 | 400 | 600 |
| | **B9** | 25 | 83 | 500 | 700 |
| | **B10** | 6 | 20 | 200 | 500 |
| | **B11** | 2 | 6 | 300 | 600 |
| | **B12** | 2 | 6 | 300 | 500 |
| | **B13** | 21 | 70 | 500 | 700 |
| **Totals** | | **277** | **750** | **400** | **700** |

Exploration Target ranges estimated from:
**Selected Areas:** RAB drilling intercepts >200ppm TREO-CeO2 exceeding 2 metres interval thickness.
**Maximum Tonnes:** Area of target area x RAB intercepts above MRE cut-off grade x MRE clay insitu dry bulk density (1.7)
**Minimum Tonnes**: Targets A1 to A6: 50% of the Maximum Tonnes: Targets B1 to B14: 30% of the Maximum Tonnes
**Maximum TREO ppm**: Average of RAB drilling intercepts above MRE cutoff grade rounded up to nearest 100 ppm
**Minimum TREO ppm**: Average of RAB drilling minus 100ppm rounded to nearest 100ppm.

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**Table 6: Exploration Target by Licence at Makuutu.**

| | Tonnes Range (millions) | | TREO ppm Range | |
|---|---|---|---|---|
| **Tenement** | **Minimum** | **Maximum** | **Minimum** | **Maximum** |
| **LML00334** | 10 | 26 | 500 | 600 |
| **RL00007** | 21 | 57 | 400 | 600 |
| **RL00234** | 2 | 6 | 600 | 800 |
| **EL00147** | 175 | 436 | 400 | 600 |
| **EL00257** | 69 | 225 | 400 | 600 |
| **Totals** | **277** | **750** | **400** | **700** |

An exploration program designed to evaluate these targets for resource development, including drilling and processing test work, will be compiled during 2024 to inform the Company on work streams to advance exploration licences toward further evaluation.

For more information about IonicRE and its operations, please visit www.ionicre.com.

Authorised for release by the Board.

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## ADDENDUMS

Appendix 1: Makuutu Rare Earths Project March 2024 Mineral Resource Estimate Tabulations

Appendix 2: Makuutu Rare Earths Project RRMDD Diamond Core Hole Details

JORC Code, 2012 Edition – Table 1 Report.

**About Ionic Rare Earths Limited**

Ionic Rare Earths Limited (ASX: IXR or IonicRE) is leading the secure supply of magnet rare earths, leveraging our sustainable technology, pioneering magnet recycling to drive the next generation of wind turbines, electronic vehicles, defence, and advanced manufacturing.

Our vision is a closed-loop supply chain that minimises environmental impact and maximises access to critical, strategic raw materials, through targeted global expansion and empowering new benchmarks in sovereign capability and innovation.

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Ionic Technologies International Limited ("Ionic Technologies"), a 100% owned UK subsidiary, has developed processes for the separation and recovery of rare earth elements (REE) from mining ore concentrates and recycled permanent magnets. Ionic Technologies is focusing on the commercialisation of the technology to achieve near complete extraction from end of life / spent magnets and waste (swarf) to high value, separated and traceable magnet rare earth products with grades exceeding 99.9% rare earth oxide (REO). In June 2023, Ionic Technologies announced initial production of high purity magnet REOs from its newly commissioned Demonstration Plant and has moved to continuous production in March 2024, providing a first mover advantage in the industrial elemental extraction of REEs from recycling. In September 2023, Ionic Technologies announced collaboration partnerships with Ford Technologies, Less Common Metals (LCM) and the British Geological Survey (BGS) to build a domestic UK supply chain, from recycled REOs to metals, alloys and magnets and supplying UK based electric vehicles (EV) manufacturing, with potential to replicate across other key markets.

The Makuutu Rare Earths Project in Uganda, (60% owned; moving to 94% in H2 2024), is well-supported by existing tier-one infrastructure and is on track to become a long-life, low Capex, scalable and sustainable supplier of high-value magnet and heavy REO. In March 2023, IonicRE announced a positive stage 1 Definitive Feasibility Study (DFS) for the first of six tenements to progress to a mining licence, which was awarded in January 2024. Makuutu is now producing mixed rare earth carbonate (MREC) from a Demonstration Plant on site to advance offtake negotiations.

IonicRE has also executed a transformational 50/50 joint venture refinery and magnet recycling facility in Brazil with Viridis Mining and Minerals Limited (ASX: VMM) to separate high value magnet and heavy rare earths from the Colossus Project's full spectrum of REOs.

This integrated strategy completes the circular economy of sustainable and traceable magnet and heavy rare earth products needed to supply applications critical to EVs, offshore wind turbines, communication, and key defence initiatives.

IonicRE is a Participant of the UN Global Compact and adheres to its principles-based approach to responsible business.

**Competent Persons Statement**

*The information in this Report that relates to Mineral Resources and Exploration Targets for the Makuutu Project is based on information compiled by Mr. Geoff Chapman, who is a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM). Mr. Chapman is a Director of geological consultancy GJ Exploration Pty Ltd that is engaged by Ionic Rare Earths Ltd. Mr. Chapman has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr. Chapman consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.*

*Information in this report that relates to previously reported Exploration Results has been cross-referenced in this report to the date that it was originally reported to ASX. Ionic Rare Earths Limited confirms that it is not aware of any new information or data that materially affects information included in the relevant market announcements.*

*The information in this report that relates to Ore Reserves for the Makuutu Rare Earths deposit was first released to the ASX on 20 March 2023 and is available to view on www.asx.com.au. Ionic Rare Earths Limited confirms that it is not aware of any new information or data that materially affects information included in the*

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*relevant market announcement, and that all material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed.*

*The information in this report that relates to Production Targets or forecast financial information derived from production the production target for the Makuutu Rare Earths deposit was first released to the ASX on 20 March 2023 and is available to view on www.asx.com.au. Ionic Rare Earths Limited confirms that all material assumptions and technical parameters underpinning the Production Targets or forecast financial estimates in the announcement continue to apply and have not materially changed.*

**Forward Looking Statements**

*This announcement has been prepared by Ionic Rare Earths Limited and may include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Ionic Rare Earths Limited. Actual values, results or events may be materially different to those expressed or implied in this document. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward-looking statements in this document speak only at the date of issue of this document. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Ionic Rare Earths Limited does not undertake any obligation to update or revise any information or any of the forward-looking statements in this document or any changes in events, conditions, or circumstances on which any such forward looking statement is based.*

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## APPENDIX 1: MAKUUTU RARE EARTHS PROJECT MARCH 2024 MINERAL RESOURCE ESTIMATE TABULATIONS

### Table 7: Makuutu Rare Earth Resource Tabulation at 200ppm TREO – $CeO_2$ Cut-off Grade

| Resource Classification | Tonnes (millions) | $La_2O_3$ (ppm) | $CeO_2$ (ppm) | $Pr_6O_{11}$ (ppm) | $Nd_2O_3$ (ppm) | $Sm_2O_3$ (ppm) | $Eu_2O_3$ (ppm) | $Gd_2O_3$ (ppm) | $Tb_4O_7$ (ppm) | $Dy_2O_3$ (ppm) | $Ho_2O_3$ (ppm) | $Er_2O_3$ (ppm) | $Tm_2O_3$ (ppm) | $Yb_2O_3$ (ppm) | $Lu_2O_3$ (ppm) | $Y_2O_3$ (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indicated | 518 | 120 | 210 | 30 | 110 | 20 | 4 | 20 | 2 | 10 | 3 | 8 | 1 | 7 | 1 | 90 |
| Inferred | 99 | 110 | 190 | 30 | 100 | 20 | 3 | 10 | 2 | 10 | 2 | 6 | 1 | 6 | 1 | 70 |
| **Total** | **617** | **120** | **210** | **30** | **110** | **20** | **3** | **20** | **2** | **10** | **3** | **8** | **1** | **7** | **1** | **90** |

Notes: Tonnes are dry tonnes rounded to the nearest 1Mt.
All material REO grades are rounded to the nearest 10 ppm except $Eu_2O_3$, $Tb_4O_7$, $Ho_2O_3$, $Tm_2O_3$, $Lu_2O_3$ which are immaterial to overall resource grade.

### Table 8: Makuutu Rare Earth Project Resource Tabulation of REO Reporting Groups at 200ppm TREO – $CeO_2$ Cut-off Grade.

| Resource Classification | Tonnes (millions) | TREO (ppm) | TREO- $CeO_2$ (ppm) | CREO (ppm) | HREO (ppm) | LREO (ppm) | NdPr (ppm) | $Sc_2O_3$ (ppm) | $U_3O_8$ (ppm) | $ThO_2$ (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|
| Indicated | 518 | 640 | 430 | 220 | 170 | 470 | 140 | 30 | 10 | 30 |
| Inferred | 99 | 560 | 380 | 180 | 140 | 420 | 120 | 30 | 10 | 30 |
| **Total** | **617** | **630** | **420** | **210** | **160** | **460** | **140** | **30** | **10** | **30** |

Notes: All ppm rounded from original estimate to the nearest 10 ppm which may lead to differences in averages from Table 7
$Y_2O_3$ is included in the TREO, HREO and CREO calculation.
TREO (Total Rare Earth Oxide) = $La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3$.
CREO[7] (Critical Rare Earth Oxide) = $Nd_2O_3 + Eu_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3$
HREO (Heavy Rare Earth Oxide) = $Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3$, + $Y_2O_3 + Lu_2O_3$
LREO (Light Rare Earth Oxide) = $La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3$
NdPr = $Nd_2O_3 + Pr_6O_{11}$
$U_3O_8$ and $ThO_2$ are deleterious elements being reported in accordance with JORC (2012) Guidelines.

[7] U.S. Department of Energy, Critical Materials Strategy, December 2011.

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## APPENDIX 2: MAKUUTU RARE EARTHS PROJECT RRMDD DIAMOND CORE HOLE DETAILS (DATUM UTM WGS84 ZONE 36N).

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD001 | 564447 | 57983 | 1158 | HQ DD | 21.60 | 0 | -90 |
| RRMDD002 | 564602 | 57807 | 1163 | HQ DD | 15.40 | 0 | -90 |
| RRMDD003 | 564894 | 57630 | 1161 | HQ DD | 15.60 | 0 | -90 |
| RRMDD004 | 565209 | 58002 | 1150 | HQ DD | 15.60 | 0 | -90 |
| RRMDD005 | 564617 | 57016 | 1154 | HQ DD | 21.40 | 0 | -90 |
| RRMDD006 | 564635 | 57437 | 1164 | HQ DD | 20.10 | 0 | -90 |
| RRMDD007 | 564992 | 57437 | 1157 | HQ DD | 11.60 | 0 | -90 |
| RRMDD008 | 565014 | 57028 | 1144 | HQ DD | 13.60 | 0 | -90 |
| RRMDD009 | 564207 | 57405 | 1172 | HQ DD | 30.10 | 0 | -90 |
| RRMDD010 | 564210 | 57775 | 1164 | HQ DD | 14.50 | 0 | -90 |
| RRMDD011 | 563824 | 57766 | 1164 | HQ DD | 29.70 | 0 | -90 |
| RRMDD012 | 563401 | 57788 | 1169 | HQ DD | 19.40 | 0 | -90 |
| RRMDD013 | 563848 | 57440 | 1171 | HQ DD | 16.10 | 0 | -90 |
| RRMDD014 | 563804 | 57003 | 1170 | HQ DD | 14.10 | 0 | -90 |
| RRMDD015 | 564009 | 56616 | 1154 | HQ DD | 14.20 | 0 | -90 |
| RRMDD016 | 564259 | 56999 | 1162 | HQ DD | 21.69 | 0 | -90 |
| RRMDD017 | 563789 | 56419 | 1152 | HQ DD | 20.00 | 0 | -90 |
| RRMDD018 | 563601 | 56553 | 1159 | HQ DD | 13.80 | 0 | -90 |
| RRMDD019 | 563639 | 56181 | 1153 | HQ DD | 14.30 | 0 | -90 |
| RRMDD020 | 563602 | 55502 | 1163 | HQ DD | 20.10 | 0 | -90 |
| RRMDD021 | 563596 | 55789 | 1153 | HQ DD | 18.10 | 0 | -90 |
| RRMDD022 | 563217 | 55785 | 1158 | HQ DD | 17.60 | 0 | -90 |
| RRMDD023 | 563250 | 56602 | 1155 | HQ DD | 23.60 | 0 | -90 |
| RRMDD024 | 563201 | 56196 | 1155 | HQ DD | 15.00 | 0 | -90 |
| RRMDD025 | 563216 | 55508 | 1163 | HQ DD | 11.60 | 0 | -90 |
| RRMDD026 | 563422 | 57037 | 1164 | HQ DD | 16.10 | 0 | -90 |
| RRMDD027 | 563394 | 57400 | 1170 | HQ DD | 14.10 | 0 | -90 |
| RRMDD028 | 562995 | 57874 | 1163 | HQ DD | 17.90 | 0 | -90 |
| RRMDD029 | 562826 | 57635 | 1159 | HQ DD | 15.00 | 0 | -90 |
| RRMDD030 | 563017 | 57416 | 1162 | HQ DD | 18.50 | 0 | -90 |
| RRMDD031 | 562961 | 57040 | 1154 | HQ DD | 11.60 | 0 | -90 |
| RRMDD032 | 562651 | 57374 | 1152 | HQ DD | 14.50 | 0 | -90 |
| RRMDD033 | 564585 | 58149 | 1154 | HQ DD | 17.00 | 0 | -90 |
| RRMDD034 | 565002 | 57796 | 1158 | HQ DD | 12.50 | 0 | -90 |
| RRMDD035 | 565415 | 57396 | 1148 | HQ DD | 12.50 | 0 | -90 |
| RRMDD036 | 565397 | 57804 | 1154 | HQ DD | 15.00 | 0 | -90 |
| RRMDD037 | 565416 | 57008 | 1136 | HQ DD | 8.30 | 0 | -90 |
| RRMDD038 | 565804 | 57430 | 1141 | HQ DD | 19.00 | 0 | -90 |
| RRMDD039 | 566180 | 57799 | 1132 | HQ DD | 9.50 | 0 | -90 |
| RRMDD040 | 566007 | 58035 | 1136 | HQ DD | 16.50 | 0 | -90 |
| RRMDD041 | 565799 | 57806 | 1149 | HQ DD | 13.20 | 0 | -90 |
| RRMDD042 | 572635 | 58755 | 1106 | HQ DD | 15.40 | 0 | -90 |
| RRMDD043 | 574614 | 58303 | 1119 | HQ DD | 15.60 | 0 | -90 |
| RRMDD044 | 576391 | 58482 | 1142 | HQ DD | 15.60 | 0 | -90 |
| RRMDD045 | 577560 | 58312 | 1143 | HQ DD | 21.40 | 0 | -90 |
| RRMDD046 | 570971 | 58486 | 1107 | HQ DD | 20.10 | 0 | -90 |
| RRMDD047 | 563803 | 57189 | 1174 | HQ DD | 27.00 | 0 | -90 |
| RRMDD048 | 563605 | 57004 | 1168 | HQ DD | 24.00 | 0 | -90 |
| RRMDD049 | 563822 | 56802 | 1164 | HQ DD | 18.50 | 0 | -90 |
| RRMDD050 | 563994 | 56977 | 1169 | HQ DD | 19.00 | 0 | -90 |
| RRMDD051 | 564010 | 57409 | 1175 | HQ DD | 24.00 | 0 | -90 |
| RRMDD052 | 564210 | 57605 | 1169 | HQ DD | 19.00 | 0 | -90 |
| RRMDD053 | 564401 | 57397 | 1169 | HQ DD | 21.70 | 0 | -90 |
| RRMDD054 | 564194 | 57215 | 1173 | HQ DD | 28.50 | 0 | -90 |
| RRMDD055 | 564944 | 58121 | 1149 | HQ DD | 17.20 | 0 | -90 |
| RRMDD056 | 565593 | 58051 | 1150 | HQ DD | 24.00 | 0 | -90 |
| RRMDD057 | 567410 | 57394 | 1119 | HQ DD | 16.50 | 0 | -90 |
| RRMDD058 | 563914 | 57209 | 1176 | HQ DD | 22.70 | 0 | -90 |
| RRMDD059 | 563994 | 57214 | 1176 | HQ DD | 19.50 | 0 | -90 |
| RRMDD060 | 564001 | 57098 | 1172 | HQ DD | 28.50 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD061 | 563902 | 57099 | 1173 | HQ DD | 23.50 | 0 | -90 |
| RRMDD062 | 563814 | 57098 | 1173 | HQ DD | 26.70 | 0 | -90 |
| RRMDD063 | 563701 | 57107 | 1171 | HQ DD | 27.00 | 0 | -90 |
| RRMDD064 | 563704 | 57005 | 1170 | HQ DD | 18.60 | 0 | -90 |
| RRMDD065 | 563802 | 56896 | 1166 | HQ DD | 15.00 | 0 | -90 |
| RRMDD066 | 563702 | 56896 | 1166 | HQ DD | 14.00 | 0 | -90 |
| RRMDD067 | 563901 | 56994 | 1170 | HQ DD | 16.20 | 0 | -90 |
| RRMDD068 | 563895 | 56901 | 1166 | HQ DD | 15.00 | 0 | -90 |
| RRMDD069 | 562582 | 57733 | 1153 | HQ DD | 15.00 | 0 | -90 |
| RRMDD070 | 564154 | 56479 | 1146 | HQ DD | 12.00 | 0 | -90 |
| RRMDD071 | 564388 | 56731 | 1154 | HQ DD | 25.50 | 0 | -90 |
| RRMDD072 | 564550 | 56449 | 1143 | HQ DD | 21.00 | 0 | -90 |
| RRMDD073 | 564778 | 56781 | 1139 | HQ DD | 16.50 | 0 | -90 |
| RRMDD074 | 565591 | 56807 | 1120 | HQ DD | 10.50 | 0 | -90 |
| RRMDD075 | 565849 | 57007 | 1126 | HQ DD | 10.10 | 0 | -90 |
| RRMDD076 | 566206 | 57410 | 1125 | HQ DD | 12.00 | 0 | -90 |
| RRMDD077 | 566478 | 57809 | 1115 | HQ DD | 8.30 | 0 | -90 |
| RRMDD078 | 567052 | 56703 | 1124 | HQ DD | 24.00 | 0 | -90 |
| RRMDD079 | 567394 | 57030 | 1121 | HQ DD | 12.00 | 0 | -90 |
| RRMDD080 | 567003 | 57017 | 1127 | HQ DD | 13.70 | 0 | -90 |
| RRMDD081 | 566681 | 56711 | 1128 | HQ DD | 12.50 | 0 | -90 |
| RRMDD082 | 567621 | 57397 | 1111 | HQ DD | 9.80 | 0 | -90 |
| RRMDD083 | 567398 | 57779 | 1115 | HQ DD | 14.00 | 0 | -90 |
| RRMDD084 | 566254 | 56957 | 1118 | HQ DD | 6.00 | 0 | -90 |
| RRMDD085 | 566929 | 57805 | 1117 | HQ DD | 9.20 | 0 | -90 |
| RRMDD086 | 566349 | 56724 | 1129 | HQ DD | 12.00 | 0 | -90 |
| RRMDD087 | 566999 | 58202 | 1114 | HQ DD | 11.60 | 0 | -90 |
| RRMDD088 | 567399 | 58197 | 1122 | HQ DD | 25.50 | 0 | -90 |
| RRMDD089 | 566231 | 56096 | 1137 | HQ DD | 12.50 | 0 | -90 |
| RRMDD090 | 566013 | 56004 | 1143 | HQ DD | 29.90 | 0 | -90 |
| RRMDD091 | 566965 | 57424 | 1123 | HQ DD | 19.50 | 0 | -90 |
| RRMDD092 | 566603 | 56994 | 1127 | HQ DD | 13.30 | 0 | -90 |
| RRMDD093 | 566649 | 57344 | 1118 | HQ DD | 9.00 | 0 | -90 |
| RRMDD094 | 566052 | 56466 | 1134 | HQ DD | 27.00 | 0 | -90 |
| RRMDD095 | 565967 | 56205 | 1140 | HQ DD | 13.40 | 0 | -90 |
| RRMDD096 | 566407 | 56431 | 1129 | HQ DD | 26.50 | 0 | -90 |
| RRMDD097 | 569240 | 58054 | 1106 | HQ DD | 16.20 | 0 | -90 |
| RRMDD098 | 569542 | 57929 | 1108 | HQ DD | 13.20 | 0 | -90 |
| RRMDD099 | 569255 | 57603 | 1109 | HQ DD | 10.30 | 0 | -90 |
| RRMDD100 | 569621 | 57603 | 1109 | HQ DD | 16.50 | 0 | -90 |
| RRMDD101 | 569613 | 57258 | 1115 | HQ DD | 11.00 | 0 | -90 |
| RRMDD102 | 569348 | 57253 | 1114 | HQ DD | 23.00 | 0 | -90 |
| RRMDD103 | 569791 | 56766 | 1126 | HQ DD | 15.70 | 0 | -90 |
| RRMDD104 | 569926 | 57199 | 1110 | HQ DD | 22.50 | 0 | -90 |
| RRMDD105 | 569349 | 56803 | 1123 | HQ DD | 22.00 | 0 | -90 |
| RRMDD106 | 570587 | 58116 | 1112 | HQ DD | 15.50 | 0 | -90 |
| RRMDD107 | 570621 | 58517 | 1105 | HQ DD | 10.60 | 0 | -90 |
| RRMDD108 | 570737 | 58832 | 1099 | HQ DD | 11.00 | 0 | -90 |
| RRMDD109 | 570940 | 58876 | 1099 | HQ DD | 10.70 | 0 | -90 |
| RRMDD110 | 571185 | 58822 | 1098 | HQ DD | 10.70 | 0 | -90 |
| RRMDD111 | 571273 | 58520 | 1102 | HQ DD | 12.00 | 0 | -90 |
| RRMDD112 | 570988 | 58117 | 1114 | HQ DD | 21.00 | 0 | -90 |
| RRMDD113 | 571375 | 58136 | 1106 | HQ DD | 11.30 | 0 | -90 |
| RRMDD114 | 572403 | 59404 | 1104 | HQ DD | 10.40 | 0 | -90 |
| RRMDD115 | 572313 | 59134 | 1103 | HQ DD | 8.50 | 0 | -90 |
| RRMDD116 | 572296 | 58748 | 1104 | HQ DD | 6.50 | 0 | -90 |
| RRMDD117 | 572312 | 58474 | 1104 | HQ DD | 7.40 | 0 | -90 |
| RRMDD118 | 572641 | 58492 | 1108 | HQ DD | 11.20 | 0 | -90 |
| RRMDD119 | 572936 | 58774 | 1104 | HQ DD | 10.50 | 0 | -90 |
| RRMDD120 | 572635 | 59138 | 1104 | HQ DD | 16.80 | 0 | -90 |
| RRMDD121 | 573189 | 58211 | 1114 | HQ DD | 24.60 | 0 | -90 |
| RRMDD122 | 572892 | 59157 | 1100 | HQ DD | 8.30 | 0 | -90 |
| RRMDD123 | 572752 | 59361 | 1101 | HQ DD | 11.50 | 0 | -90 |
| RRMDD124 | 573032 | 58496 | 1108 | HQ DD | 7.20 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD125 | 574373 | 57976 | 1111 | HQ DD | 15.00 | 0 | -90 |
| RRMDD126 | 574398 | 58337 | 1115 | HQ DD | 25.10 | 0 | -90 |
| RRMDD127 | 574792 | 58029 | 1122 | HQ DD | 16.50 | 0 | -90 |
| RRMDD128 | 574483 | 58685 | 1114 | HQ DD | 16.00 | 0 | -90 |
| RRMDD129 | 575231 | 58013 | 1130 | HQ DD | 17.50 | 0 | -90 |
| RRMDD130 | 575607 | 57979 | 1136 | HQ DD | 17.30 | 0 | -90 |
| RRMDD131 | 575988 | 58009 | 1141 | HQ DD | 11.70 | 0 | -90 |
| RRMDD132 | 576376 | 58027 | 1142 | HQ DD | 8.00 | 0 | -90 |
| RRMDD133 | 576204 | 58384 | 1143 | HQ DD | 12.70 | 0 | -90 |
| RRMDD134 | 576394 | 58827 | 1140 | HQ DD | 20.00 | 0 | -90 |
| RRMDD135 | 576008 | 58806 | 1139 | HQ DD | 20.90 | 0 | -90 |
| RRMDD136 | 575781 | 58400 | 1139 | HQ DD | 12.20 | 0 | -90 |
| RRMDD137 | 575389 | 58394 | 1132 | HQ DD | 16.00 | 0 | -90 |
| RRMDD138 | 575573 | 58805 | 1132 | HQ DD | 11.00 | 0 | -90 |
| RRMDD139 | 575216 | 58785 | 1126 | HQ DD | 9.60 | 0 | -90 |
| RRMDD140 | 574780 | 58824 | 1116 | HQ DD | 13.00 | 0 | -90 |
| RRMDD141 | 575004 | 58393 | 1126 | HQ DD | 18.00 | 0 | -90 |
| RRMDD142 | 574996 | 59063 | 1115 | HQ DD | 18.00 | 0 | -90 |
| RRMDD143 | 575412 | 59127 | 1122 | HQ DD | 14.20 | 0 | -90 |
| RRMDD144 | 575798 | 59138 | 1129 | HQ DD | 18.50 | 0 | -90 |
| RRMDD145 | 576253 | 59147 | 1137 | HQ DD | 20.00 | 0 | -90 |
| RRMDD146 | 576604 | 59118 | 1138 | HQ DD | 22.50 | 0 | -90 |
| RRMDD147 | 576546 | 58345 | 1141 | HQ DD | 13.70 | 0 | -90 |
| RRMDD148 | 576799 | 58812 | 1134 | HQ DD | 18.00 | 0 | -90 |
| RRMDD149 | 576986 | 59117 | 1132 | HQ DD | 27.40 | 0 | -90 |
| RRMDD150 | 577196 | 58812 | 1133 | HQ DD | 19.00 | 0 | -90 |
| RRMDD151 | 576567 | 57619 | 1146 | HQ DD | 11.50 | 0 | -90 |
| RRMDD152 | 576825 | 58024 | 1145 | HQ DD | 12.80 | 0 | -90 |
| RRMDD153 | 576950 | 57605 | 1150 | HQ DD | 18.50 | 0 | -90 |
| RRMDD154 | 577019 | 58346 | 1141 | HQ DD | 20.70 | 0 | -90 |
| RRMDD155 | 577422 | 58341 | 1144 | HQ DD | 24.00 | 0 | -90 |
| RRMDD156 | 576214 | 57608 | 1142 | HQ DD | 17.20 | 0 | -90 |
| RRMDD157 | 577587 | 57958 | 1146 | HQ DD | 21.40 | 0 | -90 |
| RRMDD158 | 575786 | 57619 | 1133 | HQ DD | 14.50 | 0 | -90 |
| RRMDD159 | 577201 | 57960 | 1150 | HQ DD | 16.70 | 0 | -90 |
| RRMDD160 | 575405 | 57612 | 1123 | HQ DD | 14.80 | 0 | -90 |
| RRMDD161 | 577800 | 57625 | 1136 | HQ DD | 20.80 | 0 | -90 |
| RRMDD162 | 577412 | 57572 | 1146 | HQ DD | 22.50 | 0 | -90 |
| RRMDD163 | 574595 | 57785 | 1114 | HQ DD | 12.50 | 0 | -90 |
| RRMDD164 | 578145 | 57725 | 1128 | HQ DD | 19.20 | 0 | -90 |
| RRMDD165 | 577999 | 58012 | 1136 | HQ DD | 17.40 | 0 | -90 |
| RRMDD166 | 578233 | 58423 | 1130 | HQ DD | 19.20 | 0 | -90 |
| RRMDD167 | 574940 | 57714 | 1119 | HQ DD | 19.00 | 0 | -90 |
| RRMDD168 | 578054 | 58807 | 1129 | HQ DD | 17.30 | 0 | -90 |
| RRMDD169 | 576623 | 57329 | 1150 | HQ DD | 16.30 | 0 | -90 |
| RRMDD170 | 578219 | 59071 | 1118 | HQ DD | 12.00 | 0 | -90 |
| RRMDD171 | 577794 | 58341 | 1140 | HQ DD | 21.10 | 0 | -90 |
| RRMDD172 | 577607 | 58753 | 1135 | HQ DD | 18.00 | 0 | -90 |
| RRMDD173 | 577016 | 57371 | 1148 | HQ DD | 20.50 | 0 | -90 |
| RRMDD174 | 555545 | 57973 | 1155 | HQ DD | 19.00 | 0 | -90 |
| RRMDD175 | 555143 | 57846 | 1165 | HQ DD | 15.90 | 0 | -90 |
| RRMDD176 | 554961 | 58082 | 1164 | HQ DD | 25.20 | 0 | -90 |
| RRMDD177 | 554794 | 57802 | 1170 | HQ DD | 27.00 | 0 | -90 |
| RRMDD178 | 555076 | 57569 | 1168 | HQ DD | 23.50 | 0 | -90 |
| RRMDD179 | 554577 | 58202 | 1164 | HQ DD | 21.10 | 0 | -90 |
| RRMDD180 | 554370 | 57804 | 1167 | HQ DD | 20.10 | 0 | -90 |
| RRMDD181 | 555354 | 58143 | 1158 | HQ DD | 17.00 | 0 | -90 |
| RRMDD182 | 553975 | 57916 | 1156 | HQ DD | 15.00 | 0 | -90 |
| RRMDD183 | 554883 | 58364 | 1160 | HQ DD | 21.70 | 0 | -90 |
| RRMDD184 | 554426 | 58648 | 1155 | HQ DD | 26.90 | 0 | -90 |
| RRMDD185 | 553878 | 58216 | 1154 | HQ DD | 10.90 | 0 | -90 |
| RRMDD186 | 554002 | 58658 | 1155 | HQ DD | 15.00 | 0 | -90 |
| RRMDD187 | 554243 | 58992 | 1152 | HQ DD | 16.10 | 0 | -90 |
| RRMDD188 | 553012 | 57579 | 1155 | HQ DD | 12.50 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD189 | 552804 | 58008 | 1158 | HQ DD | 12.70 | 0 | -90 |
| RRMDD190 | 552394 | 57995 | 1168 | HQ DD | 18.50 | 0 | -90 |
| RRMDD191 | 552278 | 57586 | 1173 | HQ DD | 24.40 | 0 | -90 |
| RRMDD192 | 552599 | 57571 | 1169 | HQ DD | 11.30 | 0 | -90 |
| RRMDD193 | 552861 | 57205 | 1162 | HQ DD | 14.00 | 0 | -90 |
| RRMDD194 | 552362 | 57206 | 1172 | HQ DD | 16.30 | 0 | -90 |
| RRMDD195 | 551759 | 56815 | 1153 | HQ DD | 8.00 | 0 | -90 |
| RRMDD196 | 552245 | 56762 | 1162 | HQ DD | 22.00 | 0 | -90 |
| RRMDD197 | 551983 | 57192 | 1171 | HQ DD | 12.90 | 0 | -90 |
| RRMDD198 | 554173 | 58233 | 1160 | HQ DD | 12.80 | 0 | -90 |
| RRMDD199 | 557012 | 57938 | 1162 | HQ DD | 18.00 | 0 | -90 |
| RRMDD200 | 557409 | 58005 | 1165 | HQ DD | 11.20 | 0 | -90 |
| RRMDD201 | 557800 | 57979 | 1170 | HQ DD | 19.30 | 0 | -90 |
| RRMDD202 | 557223 | 57639 | 1166 | HQ DD | 12.00 | 0 | -90 |
| RRMDD203 | 557594 | 57558 | 1165 | HQ DD | 23.80 | 0 | -90 |
| RRMDD204 | 558003 | 57598 | 1164 | HQ DD | 21.80 | 0 | -90 |
| RRMDD205 | 558192 | 58025 | 1165 | HQ DD | 17.20 | 0 | -90 |
| RRMDD206 | 558539 | 58016 | 1152 | HQ DD | 17.00 | 0 | -90 |
| RRMDD207 | 557619 | 58427 | 1169 | HQ DD | 18.90 | 0 | -90 |
| RRMDD208 | 557394 | 58564 | 1165 | HQ DD | 16.70 | 0 | -90 |
| RRMDD209 | 557951 | 58407 | 1171 | HQ DD | 12.50 | 0 | -90 |
| RRMDD210 | 558378 | 58457 | 1161 | HQ DD | 10.20 | 0 | -90 |
| RRMDD211 | 558385 | 57648 | 1157 | HQ DD | 17.00 | 0 | -90 |
| RRMDD212 | 559693 | 57328 | 1151 | HQ DD | 19.00 | 0 | -90 |
| RRMDD213 | 560060 | 57372 | 1153 | HQ DD | 20.80 | 0 | -90 |
| RRMDD214 | 560432 | 57229 | 1148 | HQ DD | 18.20 | 0 | -90 |
| RRMDD215 | 560344 | 57446 | 1151 | HQ DD | 22.00 | 0 | -90 |
| RRMDD216 | 559936 | 57148 | 1150 | HQ DD | 15.40 | 0 | -90 |
| RRMDD217 | 560568 | 56867 | 1146 | HQ DD | 15.00 | 0 | -90 |
| RRMDD218 | 560277 | 56966 | 1149 | HQ DD | 20.40 | 0 | -90 |
| RRMDD219 | 562009 | 55869 | 1154 | HQ DD | 23.60 | 0 | -90 |
| RRMDD220 | 561733 | 55851 | 1152 | HQ DD | 18.90 | 0 | -90 |
| RRMDD221 | 562291 | 55761 | 1154 | HQ DD | 11.20 | 0 | -90 |
| RRMDD222 | 561997 | 55621 | 1157 | HQ DD | 20.00 | 0 | -90 |
| RRMDD223 | 562803 | 57790 | 1158 | HQ DD | 14.60 | 0 | -90 |
| RRMDD224 | 562606 | 57601 | 1154 | HQ DD | 16.50 | 0 | -90 |
| RRMDD225 | 563197 | 57791 | 1168 | HQ DD | 23.30 | 0 | -90 |
| RRMDD226 | 563200 | 57615 | 1168 | HQ DD | 24.20 | 0 | -90 |
| RRMDD227 | 562996 | 57620 | 1163 | HQ DD | 17.00 | 0 | -90 |
| RRMDD228 | 563186 | 57416 | 1166 | HQ DD | 24.00 | 0 | -90 |
| RRMDD229 | 562801 | 57396 | 1155 | HQ DD | 13.70 | 0 | -90 |
| RRMDD230 | 563002 | 57192 | 1159 | HQ DD | 21.00 | 0 | -90 |
| RRMDD231 | 562812 | 57213 | 1153 | HQ DD | 19.00 | 0 | -90 |
| RRMDD232 | 563203 | 57189 | 1163 | HQ DD | 17.00 | 0 | -90 |
| RRMDD233 | 563381 | 57209 | 1167 | HQ DD | 22.30 | 0 | -90 |
| RRMDD234 | 563396 | 57585 | 1170 | HQ DD | 14.30 | 0 | -90 |
| RRMDD235 | 563200 | 57000 | 1158 | HQ DD | 19.00 | 0 | -90 |
| RRMDD236 | 563602 | 57801 | 1167 | HQ DD | 14.00 | 0 | -90 |
| RRMDD237 | 563208 | 56824 | 1155 | HQ DD | 21.30 | 0 | -90 |
| RRMDD238 | 563599 | 57599 | 1172 | HQ DD | 27.40 | 0 | -90 |
| RRMDD239 | 563377 | 56812 | 1160 | HQ DD | 23.00 | 0 | -90 |
| RRMDD240 | 563395 | 56599 | 1158 | HQ DD | 12.00 | 0 | -90 |
| RRMDD241 | 564024 | 57795 | 1159 | HQ DD | 19.50 | 0 | -90 |
| RRMDD242 | 563819 | 57601 | 1172 | HQ DD | 18.80 | 0 | -90 |
| RRMDD243 | 563596 | 57198 | 1172 | HQ DD | 22.60 | 0 | -90 |
| RRMDD244 | 563186 | 56403 | 1153 | HQ DD | 14.60 | 0 | -90 |
| RRMDD245 | 563986 | 57613 | 1171 | HQ DD | 17.50 | 0 | -90 |
| RRMDD246 | 563593 | 57427 | 1173 | HQ DD | 15.60 | 0 | -90 |
| RRMDD247 | 563386 | 56428 | 1156 | HQ DD | 17.60 | 0 | -90 |
| RRMDD248 | 564368 | 57189 | 1168 | HQ DD | 18.60 | 0 | -90 |
| RRMDD249 | 563385 | 56176 | 1156 | HQ DD | 16.20 | 0 | -90 |
| RRMDD250 | 563605 | 56394 | 1156 | HQ DD | 17.00 | 0 | -90 |
| RRMDD251 | 563803 | 56603 | 1158 | HQ DD | 15.00 | 0 | -90 |
| RRMDD252 | 563606 | 56783 | 1163 | HQ DD | 11.50 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD253 | 564007 | 56820 | 1164 | HQ DD | 19.50 | 0 | -90 |
| RRMDD254 | 564101 | 57002 | 1168 | HQ DD | 15.50 | 0 | -90 |
| RRMDD255 | 564198 | 56808 | 1160 | HQ DD | 24.20 | 0 | -90 |
| RRMDD256 | 564598 | 57178 | 1161 | HQ DD | 23.30 | 0 | -90 |
| RRMDD257 | 564795 | 57199 | 1155 | HQ DD | 16.50 | 0 | -90 |
| RRMDD258 | 564396 | 56994 | 1161 | HQ DD | 18.60 | 0 | -90 |
| RRMDD259 | 564799 | 57001 | 1146 | HQ DD | 18.00 | 0 | -90 |
| RRMDD260 | 564977 | 57204 | 1151 | HQ DD | 19.80 | 0 | -90 |
| RRMDD261 | 564801 | 57401 | 1160 | HQ DD | 12.00 | 0 | -90 |
| RRMDD262 | 565164 | 57397 | 1153 | HQ DD | 10.60 | 0 | -90 |
| RRMDD263 | 565169 | 57195 | 1148 | HQ DD | 13.70 | 0 | -90 |
| RRMDD264 | 565132 | 57606 | 1157 | HQ DD | 17.70 | 0 | -90 |
| RRMDD265 | 564815 | 57807 | 1161 | HQ DD | 18.00 | 0 | -90 |
| RRMDD266 | 564970 | 57989 | 1154 | HQ DD | 18.00 | 0 | -90 |
| RRMDD267 | 564779 | 57983 | 1157 | HQ DD | 18.50 | 0 | -90 |
| RRMDD268 | 564818 | 58198 | 1150 | HQ DD | 18.00 | 0 | -90 |
| RRMDD269 | 564577 | 57614 | 1165 | HQ DD | 13.30 | 0 | -90 |
| RRMDD270 | 564600 | 58000 | 1158 | HQ DD | 29.50 | 0 | -90 |
| RRMDD271 | 564385 | 57821 | 1163 | HQ DD | 20.70 | 0 | -90 |
| RRMDD272 | 564374 | 57598 | 1167 | HQ DD | 18.00 | 0 | -90 |
| RRMDD273 | 565205 | 57816 | 1155 | HQ DD | 16.50 | 0 | -90 |
| RRMDD274 | 565303 | 57572 | 1154 | HQ DD | 12.00 | 0 | -90 |
| RRMDD275 | 565408 | 58015 | 1150 | HQ DD | 12.80 | 0 | -90 |
| RRMDD276 | 565507 | 57617 | 1153 | HQ DD | 15.00 | 0 | -90 |
| RRMDD277 | 565600 | 57801 | 1153 | HQ DD | 15.30 | 0 | -90 |
| RRMDD278 | 565797 | 58003 | 1147 | HQ DD | 10.50 | 0 | -90 |
| RRMDD279 | 565705 | 57575 | 1148 | HQ DD | 18.50 | 0 | -90 |
| RRMDD280 | 567202 | 58202 | 1120 | HQ DD | 31.30 | 0 | -90 |
| RRMDD281 | 566868 | 58065 | 1108 | HQ DD | 5.40 | 0 | -90 |
| RRMDD282 | 566987 | 57993 | 1114 | HQ DD | 8.40 | 0 | -90 |
| RRMDD283 | 567203 | 58002 | 1120 | HQ DD | 14.40 | 0 | -90 |
| RRMDD284 | 567394 | 57991 | 1118 | HQ DD | 11.40 | 0 | -90 |
| RRMDD285 | 567598 | 57999 | 1113 | HQ DD | 8.40 | 0 | -90 |
| RRMDD286 | 567576 | 57781 | 1109 | HQ DD | 11.40 | 0 | -90 |
| RRMDD287 | 567603 | 57601 | 1110 | HQ DD | 8.40 | 0 | -90 |
| RRMDD288 | 567385 | 57579 | 1118 | HQ DD | 14.40 | 0 | -90 |
| RRMDD289 | 567736 | 57388 | 1107 | HQ DD | 5.40 | 0 | -90 |
| RRMDD290 | 567205 | 57398 | 1123 | HQ DD | 12.40 | 0 | -90 |
| RRMDD291 | 567392 | 57204 | 1122 | HQ DD | 13.10 | 0 | -90 |
| RRMDD292 | 567192 | 57607 | 1121 | HQ DD | 19.40 | 0 | -90 |
| RRMDD293 | 567196 | 57810 | 1120 | HQ DD | 15.20 | 0 | -90 |
| RRMDD294 | 566983 | 57603 | 1121 | HQ DD | 11.40 | 0 | -90 |
| RRMDD295 | 566845 | 57604 | 1118 | HQ DD | 10.00 | 0 | -90 |
| RRMDD296 | 566753 | 57808 | 1112 | HQ DD | 4.30 | 0 | -90 |
| RRMDD297 | 566658 | 57609 | 1112 | HQ DD | 14.20 | 0 | -90 |
| RRMDD298 | 566811 | 57394 | 1121 | HQ DD | 10.40 | 0 | -90 |
| RRMDD299 | 566998 | 57198 | 1127 | HQ DD | 12.60 | 0 | -90 |
| RRMDD300 | 567206 | 57195 | 1125 | HQ DD | 13.10 | 0 | -90 |
| RRMDD301 | 567197 | 56973 | 1125 | HQ DD | 14.40 | 0 | -90 |
| RRMDD302 | 567597 | 57213 | 1117 | HQ DD | 11.40 | 0 | -90 |
| RRMDD303 | 567763 | 57171 | 1109 | HQ DD | 5.40 | 0 | -90 |
| RRMDD304 | 567403 | 56790 | 1119 | HQ DD | 9.90 | 0 | -90 |
| RRMDD305 | 567287 | 56680 | 1119 | HQ DD | 22.60 | 0 | -90 |
| RRMDD306 | 566803 | 57174 | 1126 | HQ DD | 15.00 | 0 | -90 |
| RRMDD307 | 567716 | 56856 | 1110 | HQ DD | 10.50 | 0 | -90 |
| RRMDD308 | 567609 | 56801 | 1113 | HQ DD | 9.40 | 0 | -90 |
| RRMDD309 | 567763 | 56967 | 1109 | HQ DD | 5.40 | 0 | -90 |
| RRMDD310 | 567590 | 57006 | 1116 | HQ DD | 11.00 | 0 | -90 |
| RRMDD311 | 566586 | 57188 | 1120 | HQ DD | 8.40 | 0 | -90 |
| RRMDD312 | 566454 | 57164 | 1116 | HQ DD | 5.40 | 0 | -90 |
| RRMDD313 | 567002 | 56887 | 1126 | HQ DD | 14.90 | 0 | -90 |
| RRMDD314 | 566802 | 56992 | 1128 | HQ DD | 11.00 | 0 | -90 |
| RRMDD315 | 566797 | 56795 | 1128 | HQ DD | 14.40 | 0 | -90 |
| RRMDD316 | 566524 | 56855 | 1128 | HQ DD | 13.10 | 0 | -90 |

For personal use only

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD317 | 566396 | 56993 | 1121 | HQ DD | 8.40 | 0 | -90 |
| RRMDD318 | 566591 | 56565 | 1127 | HQ DD | 12.00 | 0 | -90 |
| RRMDD319 | 566897 | 56573 | 1123 | HQ DD | 16.40 | 0 | -90 |
| RRMDD320 | 566397 | 56598 | 1130 | HQ DD | 17.40 | 0 | -90 |
| RRMDD321 | 566377 | 56248 | 1129 | HQ DD | 8.40 | 0 | -90 |
| RRMDD322 | 566198 | 56327 | 1135 | HQ DD | 26.40 | 0 | -90 |
| RRMDD323 | 566193 | 56601 | 1131 | HQ DD | 23.40 | 0 | -90 |
| RRMDD324 | 566391 | 55998 | 1132 | HQ DD | 11.50 | 0 | -90 |
| RRMDD325 | 566190 | 55919 | 1142 | HQ DD | 10.90 | 0 | -90 |
| RRMDD326 | 566005 | 55881 | 1145 | HQ DD | 19.40 | 0 | -90 |
| RRMDD327 | 565797 | 56005 | 1143 | HQ DD | 19.10 | 0 | -90 |
| RRMDD328 | 565806 | 56203 | 1139 | HQ DD | 19.90 | 0 | -90 |
| RRMDD329 | 565869 | 56413 | 1136 | HQ DD | 13.90 | 0 | -90 |
| RRMDD330 | 565802 | 56790 | 1122 | HQ DD | 6.40 | 0 | -90 |
| RRMDD331 | 565979 | 56590 | 1131 | HQ DD | 16.90 | 0 | -90 |
| RRMDD332 | 566005 | 56798 | 1122 | HQ DD | 4.90 | 0 | -90 |
| RRMDD333 | 565584 | 57216 | 1141 | HQ DD | 11.40 | 0 | -90 |
| RRMDD334 | 565592 | 57000 | 1131 | HQ DD | 9.40 | 0 | -90 |
| RRMDD335 | 565422 | 57204 | 1144 | HQ DD | 13.90 | 0 | -90 |
| RRMDD336 | 565804 | 57196 | 1135 | HQ DD | 7.90 | 0 | -90 |
| RRMDD337 | 565976 | 57009 | 1123 | HQ DD | 13.40 | 0 | -90 |
| RRMDD338 | 565999 | 57204 | 1130 | HQ DD | 10.90 | 0 | -90 |
| RRMDD339 | 566001 | 57411 | 1135 | HQ DD | 24.60 | 0 | -90 |
| RRMDD340 | 565798 | 55794 | 1147 | HQ DD | 25.40 | 0 | -90 |
| RRMDD341 | 566206 | 57179 | 1121 | HQ DD | 9.40 | 0 | -90 |
| RRMDD342 | 566360 | 57437 | 1117 | HQ DD | 7.90 | 0 | -90 |
| RRMDD343 | 566182 | 57607 | 1129 | HQ DD | 11.40 | 0 | -90 |
| RRMDD344 | 565996 | 57610 | 1137 | HQ DD | 12.40 | 0 | -90 |
| RRMDD345 | 566395 | 57608 | 1119 | HQ DD | 8.40 | 0 | -90 |
| RRMDD346 | 565997 | 57797 | 1139 | HQ DD | 12.00 | 0 | -90 |
| RRMDD347 | 566199 | 57994 | 1129 | HQ DD | 21.40 | 0 | -90 |
| RRMDD348 | 566179 | 58199 | 1129 | HQ DD | 18.40 | 0 | -90 |
| RRMDD349 | 565803 | 58176 | 1144 | HQ DD | 15.40 | 0 | -90 |
| RRMDD350 | 566026 | 58200 | 1136 | HQ DD | 13.10 | 0 | -90 |
| RRMDD351 | 565569 | 58161 | 1147 | HQ DD | 20.40 | 0 | -90 |
| RRMDD352 | 566398 | 58000 | 1118 | HQ DD | 5.60 | 0 | -90 |
| RRMDD353 | 566561 | 58023 | 1109 | HQ DD | 4.90 | 0 | -90 |
| RRMDD354 | 565408 | 58166 | 1146 | HQ DD | 20.40 | 0 | -90 |
| RRMDD355 | 565195 | 56993 | 1138 | HQ DD | 11.80 | 0 | -90 |
| RRMDD356 | 565199 | 58180 | 1135 | HQ DD | 6.40 | 0 | -90 |
| RRMDD357 | 565096 | 56873 | 1132 | HQ DD | 10.90 | 0 | -90 |
| RRMDD358 | 564890 | 56871 | 1138 | HQ DD | 20.40 | 0 | -90 |
| RRMDD359 | 564503 | 56657 | 1148 | HQ DD | 15.70 | 0 | -90 |
| RRMDD360 | 564620 | 56884 | 1150 | HQ DD | 21.20 | 0 | -90 |
| RRMDD361 | 564352 | 56490 | 1149 | HQ DD | 8.50 | 0 | -90 |
| RRMDD362 | 564202 | 56628 | 1154 | HQ DD | 26.90 | 0 | -90 |
| RRMDD363 | 563707 | 56286 | 1153 | HQ DD | 19.70 | 0 | -90 |
| RRMDD364 | 563787 | 56013 | 1145 | HQ DD | 25.90 | 0 | -90 |
| RRMDD365 | 563908 | 56278 | 1141 | HQ DD | 14.40 | 0 | -90 |
| RRMDD366 | 563412 | 55979 | 1157 | HQ DD | 22.40 | 0 | -90 |
| RRMDD367 | 563398 | 55808 | 1159 | HQ DD | 23.00 | 0 | -90 |
| RRMDD368 | 563575 | 56017 | 1154 | HQ DD | 37.90 | 0 | -90 |
| RRMDD369 | 563405 | 55596 | 1162 | HQ DD | 23.30 | 0 | -90 |
| RRMDD370 | 563709 | 55658 | 1152 | HQ DD | 20.40 | 0 | -90 |
| RRMDD371 | 563230 | 55985 | 1156 | HQ DD | 19.50 | 0 | -90 |
| RRMDD372 | 563064 | 55998 | 1154 | HQ DD | 29.40 | 0 | -90 |
| RRMDD373 | 563288 | 56283 | 1156 | HQ DD | 24.70 | 0 | -90 |
| RRMDD374 | 563047 | 56391 | 1147 | HQ DD | 12.90 | 0 | -90 |
| RRMDD375 | 563493 | 56299 | 1156 | HQ DD | 12.40 | 0 | -90 |
| RRMDD376 | 563081 | 56603 | 1145 | HQ DD | 19.90 | 0 | -90 |
| RRMDD377 | 562998 | 56854 | 1149 | HQ DD | 8.40 | 0 | -90 |
| RRMDD378 | 562847 | 56962 | 1147 | HQ DD | 10.80 | 0 | -90 |
| RRMDD379 | 562916 | 56741 | 1141 | HQ DD | 17.00 | 0 | -90 |
| RRMDD380 | 562707 | 56950 | 1140 | HQ DD | 8.40 | 0 | -90 |

For personal use only

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD381 | 563203 | 57920 | 1167 | HQ DD | 21.40 | 0 | -90 |
| RRMDD382 | 562708 | 57113 | 1147 | HQ DD | 23.40 | 0 | -90 |
| RRMDD383 | 563401 | 57910 | 1168 | HQ DD | 23.70 | 0 | -90 |
| RRMDD384 | 563592 | 57906 | 1166 | HQ DD | 24.50 | 0 | -90 |
| RRMDD385 | 563808 | 57898 | 1159 | HQ DD | 32.10 | 0 | -90 |
| RRMDD386 | 564006 | 57911 | 1149 | HQ DD | 19.30 | 0 | -90 |
| RRMDD387 | 562521 | 57101 | 1142 | HQ DD | 15.90 | 0 | -90 |
| RRMDD388 | 562557 | 57237 | 1147 | HQ DD | 18.20 | 0 | -90 |
| RRMDD389 | 564218 | 57991 | 1151 | HQ DD | 23.30 | 0 | -90 |
| RRMDD390 | 564354 | 58107 | 1151 | HQ DD | 22.10 | 0 | -90 |
| RRMDD391 | 562363 | 57205 | 1139 | HQ DD | 6.70 | 0 | -90 |
| RRMDD392 | 562480 | 57343 | 1148 | HQ DD | 26.40 | 0 | -90 |
| RRMDD393 | 562326 | 57361 | 1141 | HQ DD | 16.00 | 0 | -90 |
| RRMDD394 | 562474 | 57633 | 1150 | HQ DD | 16.40 | 0 | -90 |
| RRMDD395 | 564466 | 58223 | 1152 | HQ DD | 24.10 | 0 | -90 |
| RRMDD396 | 562275 | 57557 | 1144 | HQ DD | 15.00 | 0 | -90 |
| RRMDD397 | 564671 | 58233 | 1151 | HQ DD | 24.40 | 0 | -90 |
| RRMDD398 | 562377 | 57740 | 1147 | HQ DD | 17.40 | 0 | -90 |
| RRMDD399 | 562249 | 57665 | 1142 | HQ DD | 15.20 | 0 | -90 |
| RRMDD400 | 565096 | 58103 | 1140 | HQ DD | 15.60 | 0 | -90 |
| RRMDD401 | 562287 | 57873 | 1142 | HQ DD | 21.40 | 0 | -90 |
| RRMDD402 | 565020 | 58211 | 1138 | HQ DD | 19.20 | 0 | -90 |
| RRMDD403 | 562523 | 57886 | 1151 | HQ DD | 18.50 | 0 | -90 |
| RRMDD404 | 562804 | 57917 | 1158 | HQ DD | 23.40 | 0 | -90 |
| RRMDD405 | 564000 | 58021 | 1142 | HQ DD | 12.40 | 0 | -90 |
| RRMDD406 | 563820 | 57999 | 1155 | HQ DD | 13.10 | 0 | -90 |
| RRMDD407 | 563394 | 58002 | 1167 | HQ DD | 24.40 | 0 | -90 |
| RRMDD408 | 563002 | 57975 | 1162 | HQ DD | 11.40 | 0 | -90 |
| RRMDD409 | 563210 | 58014 | 1166 | HQ DD | 19.40 | 0 | -90 |
| RRMDD410 | 569409 | 58192 | 1106 | HQ DD | 16.40 | 0 | -90 |
| RRMDD411 | 569494 | 58330 | 1105 | HQ DD | 15.40 | 0 | -90 |
| RRMDD412 | 569590 | 58180 | 1106 | HQ DD | 14.00 | 0 | -90 |
| RRMDD413 | 569411 | 58019 | 1108 | HQ DD | 14.40 | 0 | -90 |
| RRMDD414 | 569407 | 57779 | 1110 | HQ DD | 15.00 | 0 | -90 |
| RRMDD415 | 569235 | 57791 | 1108 | HQ DD | 23.40 | 0 | -90 |
| RRMDD416 | 569593 | 57794 | 1107 | HQ DD | 15.30 | 0 | -90 |
| RRMDD417 | 569749 | 57988 | 1103 | HQ DD | 11.40 | 0 | -90 |
| RRMDD418 | 569778 | 57823 | 1101 | HQ DD | 6.20 | 0 | -90 |
| RRMDD419 | 569788 | 57595 | 1102 | HQ DD | 4.90 | 0 | -90 |
| RRMDD420 | 569444 | 57601 | 1111 | HQ DD | 11.40 | 0 | -90 |
| RRMDD421 | 569809 | 57405 | 1106 | HQ DD | 7.90 | 0 | -90 |
| RRMDD422 | 569406 | 57401 | 1113 | HQ DD | 15.20 | 0 | -90 |
| RRMDD423 | 569605 | 57383 | 1112 | HQ DD | 17.50 | 0 | -90 |
| RRMDD424 | 569414 | 57055 | 1118 | HQ DD | 17.40 | 0 | -90 |
| RRMDD425 | 569522 | 56852 | 1125 | HQ DD | 20.90 | 0 | -90 |
| RRMDD426 | 569958 | 57341 | 1104 | HQ DD | 13.00 | 0 | -90 |
| RRMDD427 | 569626 | 57083 | 1119 | HQ DD | 19.50 | 0 | -90 |
| RRMDD428 | 569800 | 57039 | 1118 | HQ DD | 12.40 | 0 | -90 |
| RRMDD429 | 570581 | 58290 | 1109 | HQ DD | 16.90 | 0 | -90 |
| RRMDD430 | 570614 | 58666 | 1100 | HQ DD | 11.00 | 0 | -90 |
| RRMDD431 | 570006 | 57220 | 1107 | HQ DD | 5.40 | 0 | -90 |
| RRMDD432 | 570801 | 58684 | 1102 | HQ DD | 10.10 | 0 | -90 |
| RRMDD433 | 563404 | 57509 | 1170 | HQ DD | 20.40 | 0 | -90 |
| RRMDD434 | 563502 | 57494 | 1172 | HQ DD | 20.40 | 0 | -90 |
| RRMDD435 | 563500 | 57400 | 1172 | HQ DD | 21.40 | 0 | -90 |
| RRMDD436 | 563599 | 57499 | 1173 | HQ DD | 16.40 | 0 | -90 |
| RRMDD437 | 563808 | 57496 | 1174 | HQ DD | 28.50 | 0 | -90 |
| RRMDD438 | 563898 | 57507 | 1173 | HQ DD | 23.00 | 0 | -90 |
| RRMDD439 | 564000 | 57510 | 1173 | HQ DD | 24.00 | 0 | -90 |
| RRMDD440 | 563698 | 57501 | 1173 | HQ DD | 18.00 | 0 | -90 |
| RRMDD441 | 564090 | 57505 | 1173 | HQ DD | 18.00 | 0 | -90 |
| RRMDD442 | 564102 | 57394 | 1175 | HQ DD | 18.40 | 0 | -90 |
| RRMDD443 | 564098 | 57301 | 1176 | HQ DD | 20.40 | 0 | -90 |
| RRMDD444 | 563497 | 57301 | 1172 | HQ DD | 20.40 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD445 | 563996 | 57298 | 1176 | HQ DD | 22.30 | 0 | -90 |
| RRMDD446 | 563900 | 57299 | 1176 | HQ DD | 18.20 | 0 | -90 |
| RRMDD447 | 563405 | 57296 | 1168 | HQ DD | 18.80 | 0 | -90 |
| RRMDD448 | 563895 | 57404 | 1175 | HQ DD | 23.00 | 0 | -90 |
| RRMDD449 | 563800 | 57401 | 1175 | HQ DD | 17.80 | 0 | -90 |
| RRMDD450 | 571003 | 58704 | 1101 | HQ DD | 12.90 | 0 | -90 |
| RRMDD451 | 563292 | 57496 | 1169 | HQ DD | 22.40 | 0 | -90 |
| RRMDD452 | 563704 | 57403 | 1174 | HQ DD | 26.80 | 0 | -90 |
| RRMDD453 | 571001 | 58313 | 1110 | HQ DD | 14.20 | 0 | -90 |
| RRMDD454 | 563805 | 57299 | 1175 | HQ DD | 19.60 | 0 | -90 |
| RRMDD455 | 570791 | 58310 | 1110 | HQ DD | 11.40 | 0 | -90 |
| RRMDD456 | 563310 | 57401 | 1169 | HQ DD | 15.40 | 0 | -90 |
| RRMDD457 | 563700 | 57291 | 1174 | HQ DD | 20.50 | 0 | -90 |
| RRMDD458 | 571198 | 58310 | 1107 | HQ DD | 12.80 | 0 | -90 |
| RRMDD459 | 571409 | 58288 | 1103 | HQ DD | 7.90 | 0 | -90 |
| RRMDD460 | 563694 | 57205 | 1174 | HQ DD | 20.10 | 0 | -90 |
| RRMDD461 | 563306 | 57299 | 1167 | HQ DD | 20.70 | 0 | -90 |
| RRMDD462 | 571192 | 58099 | 1112 | HQ DD | 17.70 | 0 | -90 |
| RRMDD463 | 563607 | 57304 | 1173 | HQ DD | 25.90 | 0 | -90 |
| RRMDD464 | 570705 | 57995 | 1116 | HQ DD | 20.60 | 0 | -90 |
| RRMDD465 | 564104 | 57200 | 1174 | HQ DD | 19.20 | 0 | -90 |
| RRMDD466 | 564106 | 57098 | 1172 | HQ DD | 28.50 | 0 | -90 |
| RRMDD467 | 563299 | 57201 | 1164 | HQ DD | 27.00 | 0 | -90 |
| RRMDD468 | 564199 | 57300 | 1174 | HQ DD | 19.20 | 0 | -90 |
| RRMDD469 | 572769 | 58608 | 1107 | HQ DD | 12.10 | 0 | -90 |
| RRMDD470 | 564202 | 57094 | 1169 | HQ DD | 30.00 | 0 | -90 |
| RRMDD471 | 563291 | 57099 | 1163 | HQ DD | 33.30 | 0 | -90 |
| RRMDD472 | 573092 | 58353 | 1111 | HQ DD | 7.70 | 0 | -90 |
| RRMDD473 | 572805 | 58390 | 1110 | HQ DD | 10.30 | 0 | -90 |
| RRMDD474 | 563501 | 57204 | 1170 | HQ DD | 23.90 | 0 | -90 |
| RRMDD475 | 564299 | 56908 | 1162 | HQ DD | 24.00 | 0 | -90 |
| RRMDD476 | 572483 | 58395 | 1106 | HQ DD | 10.20 | 0 | -90 |
| RRMDD477 | 563300 | 57006 | 1161 | HQ DD | 18.30 | 0 | -90 |
| RRMDD478 | 572480 | 58677 | 1106 | HQ DD | 9.80 | 0 | -90 |
| RRMDD479 | 572520 | 58862 | 1106 | HQ DD | 12.80 | 0 | -90 |
| RRMDD480 | 564201 | 56896 | 1164 | HQ DD | 17.60 | 0 | -90 |
| RRMDD481 | 563394 | 57101 | 1167 | HQ DD | 22.20 | 0 | -90 |
| RRMDD482 | 572725 | 58899 | 1105 | HQ DD | 13.70 | 0 | -90 |
| RRMDD483 | 564296 | 56797 | 1159 | HQ DD | 25.20 | 0 | -90 |
| RRMDD484 | 572834 | 58999 | 1103 | HQ DD | 6.60 | 0 | -90 |
| RRMDD485 | 563399 | 57001 | 1164 | HQ DD | 25.10 | 0 | -90 |
| RRMDD486 | 572605 | 58993 | 1105 | HQ DD | 9.10 | 0 | -90 |
| RRMDD487 | 572413 | 59003 | 1105 | HQ DD | 10.40 | 0 | -90 |
| RRMDD488 | 564196 | 57003 | 1166 | HQ DD | 27.00 | 0 | -90 |
| RRMDD489 | 572489 | 59258 | 1104 | HQ DD | 10.70 | 0 | -90 |
| RRMDD490 | 572313 | 59293 | 1103 | HQ DD | 10.60 | 0 | -90 |
| RRMDD491 | 564302 | 57101 | 1167 | HQ DD | 37.90 | 0 | -90 |
| RRMDD492 | 572592 | 59369 | 1103 | HQ DD | 15.30 | 0 | -90 |
| RRMDD493 | 563500 | 57091 | 1167 | HQ DD | 24.40 | 0 | -90 |
| RRMDD494 | 563496 | 57002 | 1166 | HQ DD | 24.60 | 0 | -90 |
| RRMDD495 | 564331 | 57000 | 1163 | HQ DD | 20.70 | 0 | -90 |
| RRMDD496 | 564293 | 57200 | 1171 | HQ DD | 31.60 | 0 | -90 |
| RRMDD497 | 563501 | 56898 | 1165 | HQ DD | 21.40 | 0 | -90 |
| RRMDD498 | 558005 | 58001 | 1168 | HQ DD | 29.70 | 0 | -90 |
| RRMDD499 | 563392 | 56902 | 1161 | HQ DD | 30.80 | 0 | -90 |
| RRMDD500 | 564399 | 57097 | 1164 | HQ DD | 28.90 | 0 | -90 |
| RRMDD501 | 564494 | 57099 | 1161 | HQ DD | 49.00 | 0 | -90 |
| RRMDD502 | 563499 | 56799 | 1162 | HQ DD | 22.30 | 0 | -90 |
| RRMDD503 | 558197 | 57801 | 1163 | HQ DD | 30.50 | 0 | -90 |
| RRMDD504 | 563296 | 56904 | 1159 | HQ DD | 28.80 | 0 | -90 |
| RRMDD505 | 564291 | 57321 | 1172 | HQ DD | 42.30 | 0 | -90 |
| RRMDD506 | 557903 | 57813 | 1168 | HQ DD | 28.10 | 0 | -90 |
| RRMDD507 | 563302 | 56802 | 1158 | HQ DD | 28.70 | 0 | -90 |
| RRMDD508 | 557831 | 57641 | 1167 | HQ DD | 21.40 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD509 | 564299 | 57402 | 1171 | HQ DD | 45.80 | 0 | -90 |
| RRMDD510 | 563598 | 56901 | 1166 | HQ DD | 19.80 | 0 | -90 |
| RRMDD511 | 558002 | 58204 | 1169 | HQ DD | 26.20 | 0 | -90 |
| RRMDD512 | 563600 | 57098 | 1169 | HQ DD | 30.90 | 0 | -90 |
| RRMDD513 | 564201 | 57508 | 1171 | HQ DD | 21.00 | 0 | -90 |
| RRMDD514 | 564101 | 57598 | 1171 | HQ DD | 26.90 | 0 | -90 |
| RRMDD515 | 563902 | 56804 | 1164 | HQ DD | 28.60 | 0 | -90 |
| RRMDD516 | 563701 | 56806 | 1164 | HQ DD | 18.50 | 0 | -90 |
| RRMDD517 | 564208 | 57703 | 1168 | HQ DD | 24.20 | 0 | -90 |
| RRMDD518 | 563999 | 56900 | 1166 | HQ DD | 21.90 | 0 | -90 |
| RRMDD519 | 564299 | 57605 | 1168 | HQ DD | 19.50 | 0 | -90 |
| RRMDD520 | 564098 | 56900 | 1165 | HQ DD | 35.40 | 0 | -90 |
| RRMDD521 | 564293 | 57700 | 1167 | HQ DD | 26.60 | 0 | -90 |
| RRMDD522 | 564105 | 56801 | 1162 | HQ DD | 30.60 | 0 | -90 |
| RRMDD523 | 564402 | 57700 | 1166 | HQ DD | 23.80 | 0 | -90 |
| RRMDD524 | 558403 | 58206 | 1156 | HQ DD | 13.10 | 0 | -90 |
| RRMDD525 | 564604 | 57099 | 1157 | HQ DD | 36.60 | 0 | -90 |
| RRMDD526 | 564302 | 57507 | 1169 | HQ DD | 22.50 | 0 | -90 |
| RRMDD527 | 564705 | 57103 | 1154 | HQ DD | 24.50 | 0 | -90 |
| RRMDD528 | 564500 | 57604 | 1166 | HQ DD | 25.80 | 0 | -90 |
| RRMDD529 | 564400 | 57502 | 1168 | HQ DD | 25.00 | 0 | -90 |
| RRMDD530 | 564698 | 57201 | 1158 | HQ DD | 28.80 | 0 | -90 |
| RRMDD531 | 564500 | 57506 | 1166 | HQ DD | 27.00 | 0 | -90 |
| RRMDD532 | 564599 | 57504 | 1165 | HQ DD | 19.50 | 0 | -90 |
| RRMDD533 | 564805 | 57301 | 1158 | HQ DD | 14.00 | 0 | -90 |
| RRMDD534 | 564702 | 57301 | 1161 | HQ DD | 18.70 | 0 | -90 |
| RRMDD535 | 564600 | 57401 | 1164 | HQ DD | 21.70 | 0 | -90 |
| RRMDD536 | 558131 | 58464 | 1169 | HQ DD | 17.50 | 0 | -90 |
| RRMDD537 | 564492 | 57397 | 1167 | HQ DD | 29.50 | 0 | -90 |
| RRMDD538 | 564593 | 57296 | 1164 | HQ DD | 26.10 | 0 | -90 |
| RRMDD539 | 564703 | 57403 | 1162 | HQ DD | 14.80 | 0 | -90 |
| RRMDD540 | 564502 | 57302 | 1166 | HQ DD | 33.80 | 0 | -90 |
| RRMDD541 | 557393 | 58197 | 1161 | HQ DD | 19.50 | 0 | -90 |
| RRMDD542 | 564706 | 57498 | 1163 | HQ DD | 23.00 | 0 | -90 |
| RRMDD543 | 564895 | 57498 | 1160 | HQ DD | 23.10 | 0 | -90 |
| RRMDD544 | 564499 | 57201 | 1164 | HQ DD | 44.20 | 0 | -90 |
| RRMDD545 | 557717 | 58197 | 1170 | HQ DD | 31.00 | 0 | -90 |
| RRMDD546 | 564705 | 57596 | 1163 | HQ DD | 15.00 | 0 | -90 |
| RRMDD547 | 564806 | 57498 | 1161 | HQ DD | 16.90 | 0 | -90 |
| RRMDD548 | 564601 | 57701 | 1165 | HQ DD | 24.90 | 0 | -90 |
| RRMDD549 | 564800 | 57600 | 1162 | HQ DD | 16.20 | 0 | -90 |
| RRMDD550 | 557305 | 58722 | 1164 | HQ DD | 18.70 | 0 | -90 |
| RRMDD551 | 564505 | 57707 | 1165 | HQ DD | 21.00 | 0 | -90 |
| RRMDD552 | 564801 | 57699 | 1162 | HQ DD | 22.30 | 0 | -90 |
| RRMDD553 | 564398 | 57300 | 1170 | HQ DD | 44.00 | 0 | -90 |
| RRMDD554 | 564900 | 57206 | 1152 | HQ DD | 16.30 | 0 | -90 |
| RRMDD555 | 557580 | 58719 | 1170 | HQ DD | 32.50 | 0 | -90 |
| RRMDD556 | 564802 | 57101 | 1151 | HQ DD | 25.90 | 0 | -90 |
| RRMDD557 | 564698 | 57702 | 1163 | HQ DD | 18.70 | 0 | -90 |
| RRMDD558 | 564897 | 57101 | 1148 | HQ DD | 26.00 | 0 | -90 |
| RRMDD559 | 557775 | 58599 | 1173 | HQ DD | 32.50 | 0 | -90 |
| RRMDD560 | 564899 | 57303 | 1156 | HQ DD | 18.00 | 0 | -90 |
| RRMDD561 | 564903 | 57399 | 1158 | HQ DD | 17.10 | 0 | -90 |
| RRMDD562 | 565097 | 57296 | 1151 | HQ DD | 16.60 | 0 | -90 |
| RRMDD563 | 561883 | 55897 | 1152 | HQ DD | 21.40 | 0 | -90 |
| RRMDD564 | 565100 | 57191 | 1149 | HQ DD | 15.60 | 0 | -90 |
| RRMDD565 | 565203 | 57103 | 1144 | HQ DD | 16.30 | 0 | -90 |
| RRMDD566 | 564996 | 57300 | 1154 | HQ DD | 15.90 | 0 | -90 |
| RRMDD567 | 565004 | 57402 | 1156 | HQ DD | 12.60 | 0 | -90 |
| RRMDD568 | 565102 | 57498 | 1156 | HQ DD | 17.50 | 0 | -90 |
| RRMDD569 | 565001 | 57102 | 1147 | HQ DD | 25.90 | 0 | -90 |
| RRMDD570 | 562016 | 55963 | 1152 | HQ DD | 20.00 | 0 | -90 |
| RRMDD571 | 565200 | 57500 | 1155 | HQ DD | 13.60 | 0 | -90 |
| RRMDD572 | 565201 | 57301 | 1150 | HQ DD | 20.90 | 0 | -90 |

For personal use only

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD573 | 565194 | 57599 | 1156 | HQ DD | 18.20 | 0 | -90 |
| RRMDD574 | 562148 | 55844 | 1154 | HQ DD | 33.10 | 0 | -90 |
| RRMDD575 | 565105 | 57101 | 1145 | HQ DD | 13.60 | 0 | -90 |
| RRMDD576 | 565205 | 57697 | 1156 | HQ DD | 26.10 | 0 | -90 |
| RRMDD577 | 565093 | 57395 | 1154 | HQ DD | 12.60 | 0 | -90 |
| RRMDD578 | 565101 | 57691 | 1158 | HQ DD | 16.80 | 0 | -90 |
| RRMDD579 | 565090 | 57603 | 1157 | HQ DD | 19.80 | 0 | -90 |
| RRMDD580 | 564998 | 57699 | 1159 | HQ DD | 23.20 | 0 | -90 |
| RRMDD581 | 561972 | 55696 | 1156 | HQ DD | 30.00 | 0 | -90 |
| RRMDD582 | 564898 | 57701 | 1160 | HQ DD | 19.20 | 0 | -90 |
| RRMDD583 | 561817 | 55610 | 1156 | HQ DD | 38.60 | 0 | -90 |
| RRMDD584 | 564996 | 57599 | 1159 | HQ DD | 17.70 | 0 | -90 |
| RRMDD585 | 564995 | 57502 | 1158 | HQ DD | 18.10 | 0 | -90 |
| RRMDD586 | 561828 | 55731 | 1154 | HQ DD | 32.20 | 0 | -90 |
| RRMDD587 | 562194 | 55579 | 1157 | HQ DD | 37.50 | 0 | -90 |
| RRMDD588 | 578199 | 58802 | 1125 | HQ DD | 22.80 | 0 | -90 |
| RRMDD589 | 578200 | 58921 | 1124 | HQ DD | 22.40 | 0 | -90 |
| RRMDD590 | 562064 | 55402 | 1160 | HQ DD | 36.00 | 0 | -90 |
| RRMDD591 | 577998 | 59001 | 1125 | HQ DD | 25.30 | 0 | -90 |
| RRMDD592 | 577810 | 58807 | 1133 | HQ DD | 32.50 | 0 | -90 |
| RRMDD593 | 577401 | 58802 | 1134 | HQ DD | 23.60 | 0 | -90 |
| RRMDD594 | 577799 | 57803 | 1140 | HQ DD | 19.50 | 0 | -90 |
| RRMDD595 | 577599 | 58602 | 1139 | HQ DD | 21.30 | 0 | -90 |
| RRMDD596 | 577996 | 57805 | 1134 | HQ DD | 17.20 | 0 | -90 |
| RRMDD597 | 577795 | 58604 | 1136 | HQ DD | 28.60 | 0 | -90 |
| RRMDD598 | 577594 | 58398 | 1142 | HQ DD | 25.80 | 0 | -90 |
| RRMDD599 | 578199 | 57991 | 1131 | HQ DD | 10.00 | 0 | -90 |
| RRMDD600 | 577198 | 58382 | 1142 | HQ DD | 22.20 | 0 | -90 |
| RRMDD601 | 577599 | 58202 | 1144 | HQ DD | 30.20 | 0 | -90 |
| RRMDD602 | 577211 | 58209 | 1147 | HQ DD | 19.10 | 0 | -90 |
| RRMDD603 | 577797 | 58205 | 1141 | HQ DD | 31.40 | 0 | -90 |
| RRMDD604 | 578202 | 58201 | 1132 | HQ DD | 19.30 | 0 | -90 |
| RRMDD605 | 577981 | 58391 | 1136 | HQ DD | 26.30 | 0 | -90 |
| RRMDD606 | 578200 | 58604 | 1128 | HQ DD | 21.30 | 0 | -90 |
| RRMDD607 | 577999 | 58600 | 1133 | HQ DD | 31.50 | 0 | -90 |
| RRMDD608 | 577807 | 58003 | 1141 | HQ DD | 28.90 | 0 | -90 |
| RRMDD609 | 578003 | 58197 | 1137 | HQ DD | 22.20 | 0 | -90 |
| RRMDD610 | 577416 | 58203 | 1146 | HQ DD | 31.40 | 0 | -90 |
| RRMDD611 | 577600 | 57802 | 1144 | HQ DD | 18.50 | 0 | -90 |
| RRMDD612 | 576782 | 58402 | 1138 | HQ DD | 24.60 | 0 | -90 |
| RRMDD613 | 577392 | 57806 | 1148 | HQ DD | 29.40 | 0 | -90 |
| RRMDD614 | 577201 | 58609 | 1138 | HQ DD | 23.60 | 0 | -90 |
| RRMDD615 | 577602 | 57609 | 1142 | HQ DD | 26.90 | 0 | -90 |
| RRMDD616 | 577212 | 57589 | 1149 | HQ DD | 20.50 | 0 | -90 |
| RRMDD617 | 577384 | 58599 | 1139 | HQ DD | 28.50 | 0 | -90 |
| RRMDD618 | 577198 | 57445 | 1147 | HQ DD | 29.00 | 0 | -90 |
| RRMDD619 | 577000 | 58006 | 1148 | HQ DD | 15.10 | 0 | -90 |
| RRMDD620 | 576984 | 58608 | 1135 | HQ DD | 22.40 | 0 | -90 |
| RRMDD621 | 576813 | 57619 | 1150 | HQ DD | 22.90 | 0 | -90 |
| RRMDD622 | 576785 | 58588 | 1136 | HQ DD | 22.60 | 0 | -90 |
| RRMDD623 | 576584 | 57467 | 1148 | HQ DD | 17.30 | 0 | -90 |
| RRMDD624 | 576985 | 57795 | 1150 | HQ DD | 21.50 | 0 | -90 |
| RRMDD625 | 576784 | 57408 | 1149 | HQ DD | 28.00 | 0 | -90 |
| RRMDD626 | 576585 | 58004 | 1143 | HQ DD | 12.50 | 0 | -90 |
| RRMDD627 | 576996 | 58813 | 1128 | HQ DD | 25.90 | 0 | -90 |
| RRMDD628 | 576805 | 58190 | 1142 | HQ DD | 15.00 | 0 | -90 |
| RRMDD629 | 576390 | 57786 | 1144 | HQ DD | 18.50 | 0 | -90 |
| RRMDD630 | 576211 | 58012 | 1142 | HQ DD | 7.50 | 0 | -90 |
| RRMDD631 | 576991 | 58936 | 1129 | HQ DD | 15.90 | 0 | -90 |
| RRMDD632 | 576398 | 57589 | 1144 | HQ DD | 19.20 | 0 | -90 |
| RRMDD633 | 576382 | 58201 | 1142 | HQ DD | 13.70 | 0 | -90 |
| RRMDD634 | 576402 | 57398 | 1146 | HQ DD | 17.20 | 0 | -90 |
| RRMDD635 | 576404 | 58398 | 1142 | HQ DD | 17.50 | 0 | -90 |
| RRMDD636 | 576211 | 57807 | 1142 | HQ DD | 18.10 | 0 | -90 |

For personal use only

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD637 | 576799 | 59001 | 1135 | HQ DD | 21.00 | 0 | -90 |
| RRMDD638 | 576003 | 57808 | 1140 | HQ DD | 18.30 | 0 | -90 |
| RRMDD639 | 576397 | 58594 | 1141 | HQ DD | 21.90 | 0 | -90 |
| RRMDD640 | 575793 | 57802 | 1137 | HQ DD | 15.00 | 0 | -90 |
| RRMDD641 | 576583 | 58196 | 1142 | HQ DD | 17.80 | 0 | -90 |
| RRMDD642 | 576786 | 59116 | 1136 | HQ DD | 24.10 | 0 | -90 |
| RRMDD643 | 575598 | 57616 | 1127 | HQ DD | 16.80 | 0 | -90 |
| RRMDD644 | 575611 | 57800 | 1133 | HQ DD | 13.80 | 0 | -90 |
| RRMDD645 | 576603 | 58999 | 1137 | HQ DD | 18.00 | 0 | -90 |
| RRMDD646 | 576793 | 57795 | 1148 | HQ DD | 16.80 | 0 | -90 |
| RRMDD647 | 576598 | 58800 | 1138 | HQ DD | 24.10 | 0 | -90 |
| RRMDD648 | 576599 | 57799 | 1144 | HQ DD | 15.00 | 0 | -90 |
| RRMDD649 | 577208 | 57817 | 1150 | HQ DD | 21.70 | 0 | -90 |
| RRMDD650 | 576594 | 58614 | 1138 | HQ DD | 27.50 | 0 | -90 |
| RRMDD651 | 576201 | 58205 | 1143 | HQ DD | 12.00 | 0 | -90 |
| RRMDD652 | 577389 | 57987 | 1149 | HQ DD | 14.10 | 0 | -90 |
| RRMDD653 | 575799 | 58001 | 1139 | HQ DD | 18.00 | 0 | -90 |
| RRMDD654 | 576001 | 57600 | 1137 | HQ DD | 16.00 | 0 | -90 |
| RRMDD655 | 576402 | 58999 | 1139 | HQ DD | 21.10 | 0 | -90 |
| RRMDD656 | 575402 | 58005 | 1133 | HQ DD | 19.60 | 0 | -90 |
| RRMDD657 | 575794 | 58192 | 1140 | HQ DD | 13.50 | 0 | -90 |
| RRMDD658 | 576406 | 59124 | 1138 | HQ DD | 22.80 | 0 | -90 |
| RRMDD659 | 575189 | 58195 | 1130 | HQ DD | 15.10 | 0 | -90 |
| RRMDD660 | 576199 | 59001 | 1138 | HQ DD | 18.30 | 0 | -90 |
| RRMDD661 | 575601 | 58400 | 1136 | HQ DD | 16.10 | 0 | -90 |
| RRMDD662 | 575205 | 58398 | 1129 | HQ DD | 11.00 | 0 | -90 |
| RRMDD663 | 575002 | 58802 | 1121 | HQ DD | 17.00 | 0 | -90 |
| RRMDD664 | 575991 | 59117 | 1133 | HQ DD | 16.90 | 0 | -90 |
| RRMDD665 | 575194 | 58583 | 1128 | HQ DD | 15.00 | 0 | -90 |
| RRMDD666 | 576006 | 58997 | 1136 | HQ DD | 22.10 | 0 | -90 |
| RRMDD667 | 575411 | 58207 | 1134 | HQ DD | 15.80 | 0 | -90 |
| RRMDD668 | 575402 | 58788 | 1129 | HQ DD | 13.60 | 0 | -90 |
| RRMDD669 | 575614 | 58199 | 1137 | HQ DD | 22.70 | 0 | -90 |
| RRMDD670 | 575411 | 58604 | 1132 | HQ DD | 18.00 | 0 | -90 |
| RRMDD671 | 575802 | 58803 | 1136 | HQ DD | 19.40 | 0 | -90 |
| RRMDD672 | 576005 | 58197 | 1142 | HQ DD | 15.40 | 0 | -90 |
| RRMDD673 | 576010 | 58388 | 1142 | HQ DD | 15.00 | 0 | -90 |
| RRMDD674 | 575815 | 58598 | 1139 | HQ DD | 22.50 | 0 | -90 |
| RRMDD675 | 575596 | 58597 | 1136 | HQ DD | 20.40 | 0 | -90 |
| RRMDD676 | 575999 | 58604 | 1141 | HQ DD | 22.20 | 0 | -90 |
| RRMDD677 | 575796 | 59010 | 1132 | HQ DD | 25.00 | 0 | -90 |
| RRMDD678 | 575586 | 58998 | 1129 | HQ DD | 17.40 | 0 | -90 |
| RRMDD679 | 575609 | 59118 | 1126 | HQ DD | 19.60 | 0 | -90 |
| RRMDD680 | 575212 | 59124 | 1117 | HQ DD | 12.10 | 0 | -90 |
| RRMDD681 | 575385 | 59001 | 1125 | HQ DD | 15.70 | 0 | -90 |
| RRMDD682 | 574804 | 59001 | 1113 | HQ DD | 18.00 | 0 | -90 |
| RRMDD683 | 575206 | 59018 | 1121 | HQ DD | 16.90 | 0 | -90 |
| RRMDD684 | 574602 | 58795 | 1114 | HQ DD | 17.50 | 0 | -90 |
| RRMDD685 | 574453 | 58494 | 1115 | HQ DD | 21.20 | 0 | -90 |
| RRMDD686 | 574599 | 58615 | 1116 | HQ DD | 17.40 | 0 | -90 |
| RRMDD687 | 574999 | 58604 | 1123 | HQ DD | 19.30 | 0 | -90 |
| RRMDD688 | 574600 | 58001 | 1118 | HQ DD | 19.40 | 0 | -90 |
| RRMDD689 | 574790 | 58598 | 1120 | HQ DD | 18.60 | 0 | -90 |
| RRMDD690 | 574801 | 58389 | 1122 | HQ DD | 17.00 | 0 | -90 |
| RRMDD691 | 574398 | 58210 | 1114 | HQ DD | 16.80 | 0 | -90 |
| RRMDD692 | 574256 | 58345 | 1111 | HQ DD | 15.00 | 0 | -90 |
| RRMDD693 | 574995 | 58201 | 1127 | HQ DD | 22.00 | 0 | -90 |
| RRMDD694 | 574205 | 58198 | 1106 | HQ DD | 9.00 | 0 | -90 |
| RRMDD695 | 574598 | 58203 | 1119 | HQ DD | 18.00 | 0 | -90 |
| RRMDD696 | 574233 | 58016 | 1104 | HQ DD | 6.00 | 0 | -90 |
| RRMDD697 | 574796 | 58202 | 1123 | HQ DD | 18.40 | 0 | -90 |
| RRMDD698 | 574410 | 57811 | 1107 | HQ DD | 21.00 | 0 | -90 |
| RRMDD699 | 574291 | 58506 | 1112 | HQ DD | 17.10 | 0 | -90 |
| RRMDD700 | 574618 | 57662 | 1110 | HQ DD | 6.80 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD701 | 574814 | 57809 | 1119 | HQ DD | 17.90 | 0 | -90 |
| RRMDD702 | 575005 | 57611 | 1116 | HQ DD | 8.00 | 0 | -90 |
| RRMDD703 | 575001 | 57999 | 1125 | HQ DD | 15.20 | 0 | -90 |
| RRMDD704 | 574787 | 57614 | 1112 | HQ DD | 9.00 | 0 | -90 |
| RRMDD705 | 574991 | 57811 | 1123 | HQ DD | 23.20 | 0 | -90 |
| RRMDD706 | 575202 | 57600 | 1120 | HQ DD | 18.00 | 0 | -90 |
| RRMDD707 | 575215 | 57793 | 1126 | HQ DD | 15.10 | 0 | -90 |
| RRMDD708 | 575385 | 57801 | 1129 | HQ DD | 19.20 | 0 | -90 |
| RRMDD709 | 577008 | 58207 | 1144 | HQ DD | 15.50 | 0 | -90 |
| RRMDD710 | 576191 | 58784 | 1140 | HQ DD | 26.40 | 0 | -90 |
| RRMDD711 | 576180 | 58602 | 1142 | HQ DD | 21.50 | 0 | -90 |
| RRMDD712 | 551607 | 57603 | 1169 | HQ DD | 15.80 | 0 | -90 |
| RRMDD713 | 551403 | 57591 | 1169 | HQ DD | 11.70 | 0 | -90 |
| RRMDD714 | 551194 | 57408 | 1168 | HQ DD | 27.80 | 0 | -90 |
| RRMDD715 | 551000 | 57426 | 1166 | HQ DD | 18.80 | 0 | -90 |
| RRMDD716 | 551019 | 57608 | 1166 | HQ DD | 23.30 | 0 | -90 |
| RRMDD717 | 551201 | 57590 | 1168 | HQ DD | 18.80 | 0 | -90 |
| RRMDD718 | 551202 | 57197 | 1165 | HQ DD | 33.40 | 0 | -90 |
| RRMDD719 | 551012 | 57192 | 1164 | HQ DD | 30.80 | 0 | -90 |
| RRMDD720 | 550818 | 57187 | 1160 | HQ DD | 29.90 | 0 | -90 |
| RRMDD721 | 550599 | 57182 | 1152 | HQ DD | 23.30 | 0 | -90 |
| RRMDD722 | 550706 | 57002 | 1154 | HQ DD | 17.30 | 0 | -90 |
| RRMDD723 | 550905 | 56991 | 1159 | HQ DD | 14.00 | 0 | -90 |
| RRMDD724 | 550787 | 56818 | 1156 | HQ DD | 14.30 | 0 | -90 |
| RRMDD725 | 551121 | 57002 | 1161 | HQ DD | 19.00 | 0 | -90 |
| RRMDD726 | 551298 | 57012 | 1160 | HQ DD | 15.10 | 0 | -90 |
| RRMDD727 | 550987 | 56802 | 1157 | HQ DD | 16.00 | 0 | -90 |
| RRMDD728 | 550716 | 56591 | 1153 | HQ DD | 8.80 | 0 | -90 |
| RRMDD729 | 550599 | 56813 | 1152 | HQ DD | 18.60 | 0 | -90 |
| RRMDD730 | 550403 | 56607 | 1148 | HQ DD | 18.00 | 0 | -90 |
| RRMDD731 | 550883 | 56599 | 1155 | HQ DD | 17.10 | 0 | -90 |
| RRMDD732 | 551101 | 56599 | 1152 | HQ DD | 14.10 | 0 | -90 |
| RRMDD733 | 551187 | 56793 | 1155 | HQ DD | 18.00 | 0 | -90 |
| RRMDD734 | 551327 | 56609 | 1146 | HQ DD | 8.60 | 0 | -90 |
| RRMDD735 | 551393 | 57377 | 1169 | HQ DD | 36.70 | 0 | -90 |
| RRMDD736 | 551390 | 57201 | 1165 | HQ DD | 30.00 | 0 | -90 |
| RRMDD737 | 551502 | 57019 | 1158 | HQ DD | 10.90 | 0 | -90 |
| RRMDD738 | 551706 | 57006 | 1157 | HQ DD | 15.00 | 0 | -90 |
| RRMDD739 | 551886 | 56996 | 1163 | HQ DD | 16.00 | 0 | -90 |
| RRMDD740 | 552118 | 57000 | 1168 | HQ DD | 17.50 | 0 | -90 |
| RRMDD741 | 551794 | 57182 | 1167 | HQ DD | 22.40 | 0 | -90 |
| RRMDD742 | 551896 | 57392 | 1172 | HQ DD | 34.50 | 0 | -90 |
| RRMDD743 | 552109 | 57389 | 1174 | HQ DD | 17.00 | 0 | -90 |
| RRMDD744 | 551607 | 57199 | 1165 | HQ DD | 18.00 | 0 | -90 |
| RRMDD745 | 551689 | 57406 | 1170 | HQ DD | 30.40 | 0 | -90 |
| RRMDD746 | 551811 | 57613 | 1168 | HQ DD | 27.00 | 0 | -90 |
| RRMDD747 | 552001 | 57602 | 1171 | HQ DD | 42.40 | 0 | -90 |
| RRMDD748 | 552199 | 57619 | 1173 | HQ DD | 11.90 | 0 | -90 |
| RRMDD749 | 552316 | 57779 | 1171 | HQ DD | 19.90 | 0 | -90 |
| RRMDD750 | 552079 | 57793 | 1169 | HQ DD | 33.40 | 0 | -90 |
| RRMDD751 | 551894 | 57805 | 1161 | HQ DD | 12.00 | 0 | -90 |
| RRMDD752 | 551710 | 57809 | 1158 | HQ DD | 14.70 | 0 | -90 |
| RRMDD753 | 551394 | 57806 | 1165 | HQ DD | 16.50 | 0 | -90 |
| RRMDD754 | 552001 | 57997 | 1165 | HQ DD | 18.70 | 0 | -90 |
| RRMDD755 | 552208 | 57999 | 1168 | HQ DD | 24.00 | 0 | -90 |
| RRMDD756 | 552105 | 58203 | 1168 | HQ DD | 37.00 | 0 | -90 |
| RRMDD757 | 552400 | 58402 | 1163 | HQ DD | 24.70 | 0 | -90 |
| RRMDD758 | 552586 | 58403 | 1157 | HQ DD | 16.90 | 0 | -90 |
| RRMDD759 | 552320 | 58199 | 1166 | HQ DD | 26.20 | 0 | -90 |
| RRMDD760 | 552503 | 58226 | 1162 | HQ DD | 28.10 | 0 | -90 |
| RRMDD761 | 552599 | 58005 | 1163 | HQ DD | 21.90 | 0 | -90 |
| RRMDD762 | 552508 | 57821 | 1168 | HQ DD | 26.50 | 0 | -90 |
| RRMDD763 | 552690 | 57804 | 1164 | HQ DD | 18.00 | 0 | -90 |
| RRMDD764 | 552884 | 57803 | 1158 | HQ DD | 15.00 | 0 | -90 |

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| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD765 | 552808 | 57618 | 1162 | HQ DD | 17.60 | 0 | -90 |
| RRMDD766 | 552406 | 57607 | 1172 | HQ DD | 18.00 | 0 | -90 |
| RRMDD767 | 552700 | 57401 | 1167 | HQ DD | 15.00 | 0 | -90 |
| RRMDD768 | 552203 | 57206 | 1173 | HQ DD | 19.20 | 0 | -90 |
| RRMDD769 | 552300 | 57395 | 1173 | HQ DD | 15.00 | 0 | -90 |
| RRMDD770 | 552501 | 57402 | 1171 | HQ DD | 17.00 | 0 | -90 |
| RRMDD771 | 552580 | 57198 | 1170 | HQ DD | 22.50 | 0 | -90 |
| RRMDD772 | 552684 | 57000 | 1166 | HQ DD | 23.60 | 0 | -90 |
| RRMDD773 | 552878 | 56999 | 1162 | HQ DD | 28.50 | 0 | -90 |
| RRMDD774 | 552821 | 56806 | 1165 | HQ DD | 28.60 | 0 | -90 |
| RRMDD775 | 552507 | 56983 | 1168 | HQ DD | 23.70 | 0 | -90 |
| RRMDD776 | 552296 | 56991 | 1169 | HQ DD | 20.00 | 0 | -90 |
| RRMDD777 | 552590 | 56812 | 1165 | HQ DD | 32.20 | 0 | -90 |
| RRMDD778 | 552401 | 56784 | 1163 | HQ DD | 24.70 | 0 | -90 |
| RRMDD779 | 552217 | 56796 | 1163 | HQ DD | 15.20 | 0 | -90 |
| RRMDD780 | 552015 | 56788 | 1162 | HQ DD | 17.10 | 0 | -90 |
| RRMDD781 | 551905 | 56596 | 1157 | HQ DD | 27.00 | 0 | -90 |
| RRMDD782 | 551713 | 56605 | 1151 | HQ DD | 21.70 | 0 | -90 |
| RRMDD783 | 551803 | 56406 | 1154 | HQ DD | 18.00 | 0 | -90 |
| RRMDD784 | 552002 | 56405 | 1153 | HQ DD | 10.70 | 0 | -90 |
| RRMDD785 | 552179 | 56440 | 1148 | HQ DD | 6.30 | 0 | -90 |
| RRMDD786 | 552093 | 56603 | 1158 | HQ DD | 19.80 | 0 | -90 |
| RRMDD787 | 552298 | 56601 | 1153 | HQ DD | 15.00 | 0 | -90 |
| RRMDD788 | 552519 | 56613 | 1155 | HQ DD | 27.00 | 0 | -90 |
| RRMDD789 | 553073 | 57404 | 1153 | HQ DD | 7.00 | 0 | -90 |
| RRMDD790 | 552982 | 57231 | 1157 | HQ DD | 12.00 | 0 | -90 |
| RRMDD791 | 552884 | 57396 | 1161 | HQ DD | 21.30 | 0 | -90 |
| RRMDD792 | 552978 | 57989 | 1151 | HQ DD | 15.00 | 0 | -90 |
| RRMDD793 | 552896 | 58208 | 1151 | HQ DD | 13.50 | 0 | -90 |
| RRMDD794 | 552699 | 58194 | 1157 | HQ DD | 29.50 | 0 | -90 |
| RRMDD795 | 553020 | 56797 | 1162 | HQ DD | 18.40 | 0 | -90 |
| RRMDD796 | 552751 | 56664 | 1165 | HQ DD | 21.00 | 0 | -90 |
| RRMDD797 | 552543 | 56407 | 1156 | HQ DD | 12.00 | 0 | -90 |
| RRMDD798 | 554096 | 57999 | 1160 | HQ DD | 16.00 | 0 | -90 |
| RRMDD799 | 553919 | 58023 | 1155 | HQ DD | 10.50 | 0 | -90 |
| RRMDD800 | 553799 | 58381 | 1153 | HQ DD | 15.30 | 0 | -90 |
| RRMDD801 | 554030 | 58375 | 1158 | HQ DD | 21.00 | 0 | -90 |
| RRMDD802 | 554005 | 58215 | 1157 | HQ DD | 14.30 | 0 | -90 |
| RRMDD803 | 554215 | 58404 | 1160 | HQ DD | 23.00 | 0 | -90 |
| RRMDD804 | 553915 | 58611 | 1154 | HQ DD | 17.00 | 0 | -90 |
| RRMDD805 | 554211 | 58624 | 1157 | HQ DD | 19.50 | 0 | -90 |
| RRMDD806 | 554282 | 58800 | 1154 | HQ DD | 15.30 | 0 | -90 |
| RRMDD807 | 554113 | 58802 | 1155 | HQ DD | 12.50 | 0 | -90 |
| RRMDD808 | 554006 | 58999 | 1152 | HQ DD | 15.30 | 0 | -90 |
| RRMDD809 | 553918 | 58796 | 1152 | HQ DD | 15.00 | 0 | -90 |
| RRMDD810 | 554605 | 58617 | 1154 | HQ DD | 15.00 | 0 | -90 |
| RRMDD811 | 554586 | 58403 | 1160 | HQ DD | 18.30 | 0 | -90 |
| RRMDD812 | 554712 | 58212 | 1163 | HQ DD | 22.10 | 0 | -90 |
| RRMDD813 | 554425 | 58394 | 1160 | HQ DD | 20.00 | 0 | -90 |
| RRMDD814 | 554478 | 58762 | 1152 | HQ DD | 12.70 | 0 | -90 |
| RRMDD815 | 554805 | 58566 | 1153 | HQ DD | 17.50 | 0 | -90 |
| RRMDD816 | 555016 | 58386 | 1158 | HQ DD | 18.30 | 0 | -90 |
| RRMDD817 | 555028 | 58594 | 1153 | HQ DD | 18.30 | 0 | -90 |
| RRMDD818 | 555166 | 58491 | 1154 | HQ DD | 13.50 | 0 | -90 |
| RRMDD819 | 554791 | 58397 | 1159 | HQ DD | 18.80 | 0 | -90 |
| RRMDD820 | 555227 | 58408 | 1156 | HQ DD | 14.70 | 0 | -90 |
| RRMDD821 | 555377 | 58333 | 1154 | HQ DD | 15.30 | 0 | -90 |
| RRMDD822 | 555490 | 58170 | 1154 | HQ DD | 18.00 | 0 | -90 |
| RRMDD823 | 555321 | 58001 | 1160 | HQ DD | 21.20 | 0 | -90 |
| RRMDD824 | 555100 | 57964 | 1164 | HQ DD | 19.70 | 0 | -90 |
| RRMDD825 | 554931 | 58221 | 1162 | HQ DD | 21.00 | 0 | -90 |
| RRMDD826 | 555112 | 58233 | 1160 | HQ DD | 22.00 | 0 | -90 |
| RRMDD827 | 554906 | 58007 | 1166 | HQ DD | 25.50 | 0 | -90 |
| RRMDD828 | 554696 | 57976 | 1170 | HQ DD | 19.50 | 0 | -90 |

| Drill Hole ID | UTM East (m.) | UTM North (m.) | Elevation (m.a.s.l.) | Drill Type | Hole Length EOH (m.) | Azimuth | Inclination |
|---|---|---|---|---|---|---|---|
| RRMDD829 | 554465 | 58181 | 1164 | HQ DD | 25.50 | 0 | -90 |
| RRMDD830 | 554310 | 57994 | 1164 | HQ DD | 23.20 | 0 | -90 |
| RRMDD831 | 554007 | 57810 | 1157 | HQ DD | 12.20 | 0 | -90 |
| RRMDD832 | 554208 | 57815 | 1164 | HQ DD | 15.40 | 0 | -90 |
| RRMDD833 | 554617 | 57799 | 1171 | HQ DD | 20.00 | 0 | -90 |
| RRMDD834 | 554859 | 57595 | 1173 | HQ DD | 23.00 | 0 | -90 |
| RRMDD835 | 555008 | 57400 | 1173 | HQ DD | 15.00 | 0 | -90 |
| RRMDD836 | 555172 | 57603 | 1165 | HQ DD | 19.50 | 0 | -90 |
| RRMDD837 | 555007 | 57818 | 1167 | HQ DD | 16.60 | 0 | -90 |
| RRMDD838 | 555346 | 57822 | 1159 | HQ DD | 18.00 | 0 | -90 |
| RRMDD839 | 555359 | 57912 | 1159 | HQ DD | 18.00 | 0 | -90 |

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# JORC Code, 2012 Edition – Table 1 report

## Section 1 Sampling Techniques and Data

(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.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *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.* | **Diamond Core Drilling**<br>Drill core was collected from a core barrel and placed in appropriately marked core trays. Down hole core run depths were measured and marked with core blocks. Core was measured for core loss and core photography and geological logging completed.<br>Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre applied in clay zones and up to 2 metres in laterite zones where core recovery was occasionally low.<br>Where the core contained continuous lengths of soft clay a carving knife was used to cut the core. When the core was too hard to knife cut it was cut using an electric core saw.<br>Using either method core was initial cut in half then one half was further cut in half to give quarter core.<br>Quarter core was submitted to ALS for chemical analysis using industry standard sample preparation and analytical techniques.<br>Half core was collected for metallurgical testwork. |
| *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).* | **Diamond Core Drilling**<br>Core size was HQ triple tube with a nominal diameter of 61.1mm.<br>The core was not oriented (vertical holes) |
| *Drill sample recovery* | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *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.* | **Diamond Drilling**<br>Core recovery was calculated by measuring actual core length versus drillers core run lengths. Core recovery ranged from 70% to 100% and averaged 97%.<br>No relationship exists between core recovery and grade. |
| *Logging* | • *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | All (100%) drill core has been geologically logged and core photographs taken.<br>Logging is qualitative with description of colour, weathering status, alteration, regolith zone, major and minor rock types, texture, grain size and comments added where further observation is made.<br>Additional non-geological qualitative logging includes comments for sample recovery, humidity, and hardness for each logged interval. |

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<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Sub-sampling techniques and sample preparation</td><td>
<ul>
<li>If core, whether cut or sawn and whether quarter, half or all core taken.</li>
<li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li>
<li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li>
<li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li>
<li>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.</li>
<li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li>
</ul>
</td><td>
Diamond Drill Core<br><br>
Where the core contained continuous lengths of soft clay a carving knife was used to cut the core. When the core was too hard to knife cut it was cut using an electric core saw.<br><br>
Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre applied in clay zones and up to 2 metres in laterite zones where core recovery was occasionally low.<br><br>
Samples were collected from core trays by hand and placed in individually numbered bags. These bags were dispatched to ALS for analysis with no further field preparation.<br><br>
Sample weights were recorded prior to sample dispatch. Sample mass is considered appropriate for the grain size of the material being sampled that is generally very fine grained and uniform.<br><br>
Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample.
</td></tr>
<tr><td>Quality of assay data and laboratory tests</td><td>
<ul>
<li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li>
<li>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 derivation, etc.</li>
<li>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.</li>
</ul>
</td><td>
Assay and Laboratory Procedures – All Samples<br><br>
Samples were dispatched by air freight direct to ALS laboratory Perth Australia. The preparation and analysis protocol used is as follows:
<table>
<tr><th>ALS Code</th><th>Description</th></tr>
<tr><td>WEI-21</td><td>Received sample weight</td></tr>
<tr><td>LOG-22</td><td>Sample Login w/o Barcode</td></tr>
<tr><td>DRY-21</td><td>High temperature drying</td></tr>
<tr><td>CRU-21</td><td>Crush entire sample</td></tr>
<tr><td>CRU-31</td><td>Fine crushing – 70% <2mm</td></tr>
<tr><td>SPL-22Y</td><td>Split sample – Boyd Rotary Splitter</td></tr>
<tr><td>PUL-31h</td><td>Pulverise 750g to 85% passing 75 micron</td></tr>
<tr><td>CRU-QC</td><td>Crushing QC Test</td></tr>
<tr><td>PUL-QC</td><td>Pulverising QC test</td></tr>
</table>
<br>
The assay technique used for REE was Lithium Borate Fusion ICP-MS (ALS code ME-MS81). This is a recognised industry standard analysis technique for REE suite and associated elements. Elements analysed at ppm levels:
<table>
<tr><td>Ba</td><td>Ce</td><td>Cr</td><td>Cs</td><td>Dy</td><td>Er</td><td>Eu</td><td>Ga</td></tr>
<tr><td>Gd</td><td>Hf</td><td>Ho</td><td>La</td><td>Lu</td><td>Nb</td><td>Nd</td><td>Pr</td></tr>
<tr><td>Rb</td><td>Sm</td><td>Sn</td><td>Sr</td><td>Ta</td><td>Tb</td><td>Th</td><td>Tm</td></tr>
<tr><td>U</td><td>V</td><td>W</td><td>Y</td><td>Yb</td><td>Zr</td><td></td><td></td></tr>
</table>
<br>
Analysis for scandium (Sc) was by Lithium Borate Fusion ICP-AES (ALS code Sc-ICP06).
</td></tr>
</table>

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | The sample preparation and assay techniques used are industry standard and provide a total analysis.<br><br>All laboratories used are ISO 17025 accredited.<br><br>**QAQC**<br><br><u>Diamond Drill Core Samples</u><br><br>• Analytical Standards<br><br>CRM AMIS0275 and AMIS0276 and a specific Makuutu CRM MUIACREI01 were included in sample batches at a ratio of 1:25 to drill samples submitted. This is an acceptable ratio.<br><br>The assay results for the standards were consistent with the certified levels of accuracy and precision and no bias is evident.<br><br>• Blanks<br><br>CRM blanks AMIS0681 and OREAS22e were included in sample batches at a ratio of 1:25 to drill samples submitted for analysis. This is an acceptable ratio.<br><br>Both CRM blanks contain some REE, with elements critical elements Ce, Nd, Dy and Y present in small quantities. The analysis results were consistent with the certified values for the blanks. No laboratory contamination or bias is evident from these results.<br><br>• Duplicates<br><br>Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample. Variability between duplicate results is considered acceptable and no sampling bias is evident.<br><br>• Alternative Analysis Technique<br><br>A selection of sample pulps was re-analysed at Bureau Veritas Minerals laboratory Perth W.A. using Laser Ablation MS technique.<br><br>There is no evidence of systematic analytical bias or errors from these results. |
| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br><br>• *The use of twinned holes.*<br><br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br><br>• *Discuss any adjustment to assay data.* | No independent verification of significant intersection undertaken.<br><br>No twinning of diamond core drill holes was undertaken.<br><br>Sampling protocols for diamond core sampling and QAQC were documented and held on site by the responsible geologist. No procedures for data storage and management have been compiled as yet.<br><br>Data were collected in the field by hand and entered into Excel spreadsheet. Data are then compiled with assay results compiled and stored in Access database. Data verification is conducted on data entry including hole depths, sample intervals and sample numbers. |

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | Sample numbers from assay data are verified by algorithm in spreadsheet prior to entry int the database.<br><br>Assay data was received in digital format from the laboratory and merged with the sampling data into an Excel spreadsheet format for QAQC analysis and review against field data. Once finalised and validated data is stored in a protected Access database.<br><br>Data validation of assay data and sampling data have been conducted to ensure data entry is correct.<br><br>All assay data is received from the laboratory in element form is unadjusted for data entry.<br><br>Conversion of elemental analysis (REE) to stoichiometric oxide (REO) was undertaken by spreadsheet using defined conversion factors.(Source:https://www.jcu.edu.au/advanced-analytical-centre/services-and-resources/resources-and-extras/element-to-stoichiometric-oxide-conversion-factors) |

| Element ppm | Conversion Factor | Oxide Form |
|---|---|---|
| Ce | 1.2284 | $CeO_2$ |
| Dy | 1.1477 | $Dy_2O_3$ |
| Er | 1.1435 | $Er_2O_3$ |
| Eu | 1.1579 | $Eu_2O_3$ |
| Gd | 1.1526 | $Gd_2O_3$ |
| Ho | 1.1455 | $Ho_2O_3$ |
| La | 1.1728 | $La_2O_3$ |
| Lu | 1.1371 | $Lu_2O_3$ |
| Nd | 1.1664 | $Nd_2O_3$ |
| Pr | 1.2082 | $Pr_6O_{11}$ |
| Sm | 1.1596 | $Sm_2O_3$ |
| Tb | 1.1762 | $Tb_4O_7$ |
| Tm | 1.1421 | $Tm_2O_3$ |
| Y | 1.2699 | $Y_2O_3$ |
| Yb | 1.1387 | $Yb_2O_3$ |
| Sc | 1.5338 | $Sc_2O_3$ |

Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations are used for compiling REO into their reporting and evaluation groups:

Note that $Y_2O_3$ is included in the TREO, HREO and CREO calculation.

TREO (Total Rare Earth Oxide) = $La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3$.

HREO (Heavy Rare Earth Oxide) = $Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3$, $+ Y_2O_3 + Lu_2O_3$

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | CREO (Critical Rare Earth Oxide) = $Nd_2O_3 + Eu_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3$<br>(From U.S. Department of Energy, Critical Materials Strategy, December 2011)<br>LREO (Light Rare Earth Oxide) = $La_2O_3$ + CeO2 + $Pr_6O_{11}$ + $Nd_2O_3$<br>NdPr = $Nd_2O_3$ + $Pr_6O_{11}$<br>HREO% of TREO= HREO/TREO x 100<br>In elemental form the classifications are:<br>Note that Y is included in the TREE, HREE and CREE calculation.<br>TREE: La+Ce+Pr+Nd+Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Yb+Lu+Y<br>HREE: Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Yb+Y+Lu<br>CREE: Nd+Eu+Tb+Dy+Y<br>LREE: La+Ce+Pr+Nd |
| *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.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | Drill hole collar locations for holes RRMDD001 to RRMDD839 were surveyed a relational DGPS system. The general accuracy for x,y and z is ± 0.2m.<br>Datum WGS84 Zone 36 North was used for location data collection and storage. This is the appropriate datum for the project area. No grid transformations were applied to the data.<br>No downhole surveys were conducted. As all holes were vertical and shallow, the rig setup was checked using a spirit level for horizontal and vertical orientation Any deviation will be insignificant given the short lengths of the holes<br>Topography has been defined by creating a wireframe from drill hole collar locations |
| *Data spacing and distribution* | • *Data spacing for reporting of Exploration Results.*<br>• *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.*<br>• *Whether sample compositing has been applied.* | Drill spacing was optimised to suite grade estimation ranges as determined from variogram analysis of data distribution.<br>Spacing is adequate based on the variography to suite the confidence level of the Mineral Resource |
| *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.*<br>• *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.* | The Makuutu mineralisation is interpreted to be in a flat lying weathered profile including cover soil, lateritic caprock, clays transitioning to saprolite and saprock. Below the saprock are fresh shales, siltstones and mudstones. Pit mapping and diamond drilling indicate the mineralised regolith to be generally horizontal<br>All drill holes are vertical which is appropriate for horizontal bedding and regolith profile. |
| *Sample security* | • *The measures taken to ensure sample security.* | After collection, the samples were transported by Company representatives to Entebbe airport and dispatched via airfreight to Perth Australia. Samples were received by Australian customs |

| Criteria | JORC Code explanation | Commentary |
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| | | authorities in Perth within 48 hours of dispatch and were still contained in the sealed shipment bags.<br><br>Samples were subsequently transported from Australian customs to ALS Perth via road freight and inspected on arrival by a Company representative. |
| *Audits or reviews* | • *The results of any audits or reviews of sampling techniques and data.* | No audits or reviews have been undertaken |

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## 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.*<br><br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.* | The Makuutu Project is located in the Republic of Uganda. The mineral tenements comprise one mining licence (LML00334), two (2) granted Retention Licences (RL00007 and RL00234), three (3) Exploration Licences (EL00147, EL00148 and EI00257).<br><br>All granted licences are in good standing with no known impediments.<br><br>The Makuutu Rare Earths Project is 100% owned by Rwenzori Rare Metals Limited ("RRM"), a Ugandan registered company. IonicRE currently has earned a 60% shareholding in RRM and has agreed terms to move to 94% ownership in 2024. IonicRE also continues discussions on the remaining 6% ownership. |
| *Exploration done by other parties* | • *Acknowledgment and appraisal of exploration by other parties.* | Previous exploration includes:<br><br>1980: Country wide airborne geophysical survey identifying uranium anomalies in the Project area.<br><br>1990s: French BRGM and Ugandan DGSM undertook geochemical and geological survey over South-Eastern Uganda including the Project area. Anomalous Au, Zn, Cu, Sn, Nb and V identified.<br><br>2006-2009: Country wide high resolution airborne magnetic and radiometric survey identified U anomalism in the Project area.<br><br>2009: Finland GTK reprocessed radiometric data and refined the Project anomalies.<br><br>2011: Kweri Ltd undertook field verification of radiometric anomalies including scout sampling of existing community pits. Samples showed an enrichment of REE and Sc.<br><br>2011: The GTK conducted a ground gravity traverse which indicated a gravity low in the area.<br><br>2011: Kweri Ltd conducted ground radiometric survey and evaluated historic groundwater borehole logs. |

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|---|---|---|
| | | 2012: Kweri Ltd and Berkley Reef Ltd conducted prospect wide pit excavation and sampling of 48 pits and a ground gravity traverse. Pit samples showed enrichment of REE weathered profile.<br><br>2012 Kweri Ltd. Sent Five (5) samples to Toronto Aqueous Research Laboratory for REE leach testwork.<br><br>2016 – 2017: Rwenzori Rare Metals conduct excavation of 11 pits, ground gravity survey, RAB drilling (109 drill holes) and one (1) diamond drill hole.<br><br>The historic exploration has been conducted to a professional standard and is appropriate for the exploration stage of the prospect. |
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | The Makuutu deposit is interpreted to be an ionic adsorption REE clay-type deposits similar to those in South China, Chile, Madagascar and Brazil.<br><br>The mineralisation is contained within the tropical lateritic weathering profile of a basin filled with sedimentary rocks including shales, mudstones and sandstones potentially derived from the surrounding granitic and mafic rocks. These rocks are considered the original source of the REE which were then accumulated in the sediments (via ionic bonds with the clays) of the basin as the surrounding rocks have degraded. These sediments then form the protolith that was subjected to prolonged tropical weathering.<br><br>The weathering developed a lateritic regolith with a surface indurated hardcap, followed downward by clay rich zones that grade down through saprolite and saprock to unweathered sediments. The thickness of the regolith is between 10 and 20 metres from surface.<br><br>The REE mineralisation is concentrated in the weathered profile where it has dissolved from its primary mineral form, such as monazite and xenotime, then ionically bonded (adsorbed) or colloidally bonded on to fine particles of aluminosilicate clays (e.g. kaolinite, illite, smectite). The adsorbed and colloidal REE is the target for extraction and production of REO at Makuutu. |
| *Drill hole Information* | • *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:*<br>○ *easting and northing of the drill hole collar*<br>○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>○ *dip and azimuth of the hole*<br>○ *down hole length and interception depth*<br>○ *hole length.*<br>• *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.* | The material information for drill holes relating to this announcement are contained in Appendix 2. |

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Data aggregation methods* | • *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.*<br>• *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.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | No metal equivalents values are used. |
| *Relationship between mineralisation widths and intercept lengths* | • *These relationships are particularly important in the reporting of Exploration Results.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>• *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').* | Down hole lengths, true widths are not known.<br>The mineralisation is interpreted to be horizontal, flat lying sediments and weathering profile, with the vertical drilling perpendicular to mineralisation. Any internal variations to REE distribution within the horizontal layering was not defined, therefore the true width is considered not known. |
| *Diagrams* | • *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.* | Refer to diagrams in body of text. |
| *Balanced reporting* | • *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.* | This report contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material. |
| *Other substantive exploration data* | • *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.* | In 2012, 5 pit samples were sent to the Toronto Aqueous Research Laboratory at the University of Toronto for leachability tests<br>In 2017, 2 pit samples were sent to SGS Laboratory Toronto for leachability tests.<br>2017/18, 29 samples were collected from 7 RAB drill holes. 20 of these were consigned to SGS Canada and 4 to Aqueous Process Research (APR) in Ontario Canada. The remaining 5 samples were consigned to Bio Lantanidos in Chile.<br>2018/19, 8.5 tonne bulk sample was consigned to Mintek, South Africa, to evaluate using Resin-in-leach (RIL) technology for the recovery of REE.<br>2019: 118 samples from 31 holes from the 2019 diamond drilling program had preliminary variation testwork conducted TREE-Ce extraction ranged from 3% to 75%.<br>2020: Testing of composite samples with lower extractions from the 2019 variation testing using increasing rates of acid addition and leach time. Significant increases in extractions were achieved. |

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|---|---|---|
| | | 2020: Testing of composited samples from two exploration holes east of the Makuutu Central Zone provided an average extraction of TREE-Ce recovery of 41% @ pH1<br><br>2021-2024: Significant metallurgical test work on mineralisation including over five hundred and twenty-seven (527) variability interval desorption bottle rolls, eighty eight (88) variability desorption column composite bottle rolls, over thirty (30+) 3-metre and 5-metre heap leach columns which indicate metallurgical recoveries of up to 75% TREE-Ce (Total Rare Earth Element minus Cerium) using simple extraction techniques. Details of this work was reported on the ASX as part of the Project Feasibility Study on 20 March 2023.<br><br>In addition to the laboratory test work pilot plant extraction of rare earths has commenced at the Project with initial mixed rare earths carbonate production from this plant reported to the ASX on March 13 2024 . |
| *Further work* | • *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | Future work programs are intended to progress the economic development of the Project. |

## Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Database integrity* | • *Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.*<br>• *Data validation procedures used.* | Data collected in the field has been validated against core photography and original data collection files<br><br>Analytical data is received in digital format from the laboratory and merged with the sampling data into an Excel spreadsheet format for QAQC analysis and review against field data. Once finalised and validated data is stored in a protected Access database.<br><br>Data validation of original sampling and assay data have been conducted on the database on a 1:10 entries spot check basis. Data has also been correlated against interval lengths and EOH details.<br><br>Any data entry errors identified have been correct in the database. |
| *Site visits* | • *Comment on any site visits undertaken by the Competent Person and the outcome of those visits.*<br>• *If no site visits have been undertaken indicate why this is the case.* | The project site has been visited by the Competent Person who has observed drilling operations, reviewed drill core, reviewed sampling, QAQC procedures, the field project area and bulk density procedures. |
| *Geological interpretation* | • *Confidence in (or conversely, the uncertainty of ) the geological interpretation of the mineral deposit.*<br>• *Nature of the data used and of any assumptions made.* | The mineral deposit is hosted in a tropical laterite regolith profile derived from generally flat lying sediments. The regolith commences from surface to an average depth of approximately 18 metres. All drilling was geologically logged in the field including rock type and degree of weathering. Following field data collection and receipt of analytical data the deposit has been |

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • *The effect, if any, of alternative interpretations on Mineral Resource estimation.*<br>• *The use of geology in guiding and controlling Mineral Resource estimation.*<br>• *The factors affecting continuity both of grade and geology.* | categorised on a Regolith Zone basis based on visual observation from drill core and multi-element ratio analysis.<br>There is a moderate to high degree of confidence in the interpretation of the regolith units given the flat lying and reasonably consistent nature of the regolith.<br>There is unlikely to be any significant structural disruption to the mineralisation through the resource area.<br>Estimation domains were based on grouping of the regolith domains into five zones as defined by regolith rheology, and by comparison of regolith statistics:<br>• Domain 1,2,3 – Cover zone<br>• Domain 4 – Mottled zone<br>• Domain 5 – Clay zone<br>• Domain 6 – Upper Saprolite zone<br>• Domain 7 – Lower Saprolite zone<br>• Domain 8,9 – Basement zone |
| *Dimensions* | • *The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.* | The overall defined mineralised zone extends across 11 discrete prospect areas defined by radiometric and topographical features. The overall strike for the eastern-most to western-most prospects is approximately 37 kilometres, with an across strike extent of ~3,000m and an average vertical thickness of 18m.<br>The top of the mineralised zone is defined by a thin surficial soil / hardcap zone that averages 3.5m in thickness. The base of the mineralised zone is defined by the top of the saprock/fresh rock boundary which extends to an average vertical depth of 17m. |
| *Estimation and modelling techniques* | • *The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.*<br>• *The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.*<br>• *The assumptions made regarding recovery of by-products.*<br>• *Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).*<br>• *In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.* | A total of 15 rare earth element (REE) grade attributes (Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, and Lu) and Sc, and 2 deleterious elements (U, and Th) were estimated. Additionally, bulk density was estimated for those domains with sufficient numbers of measurements. Final estimated values are converted to stoichiometric oxide values by calculation using published ratios to support reporting of rare earth oxides (REO).<br>The grade estimation used the Ordinary Kriging ("OK") technique together with dynamic anisotropy to guide the grade interpolation parallel to the regolith boundaries.<br>Grade interpolation used 1m composited samples constrained by the estimation domain boundaries which were either treated as hard or soft boundaries based on statistical boundary analysis.<br>An appropriate top cutting strategy (generally above the 99$^{th}$ grade percentile) was used to minimise the influence of isolated high-grade outliers.<br>Interpolation parameters were derived using standard exploratory data analysis techniques of statistical and continuity analysis. Appropriate interpolation strategies were developed on a domain basis using kriging neighbourhood analysis ("KNA"), which included: |

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| | • *Any assumptions behind modelling of selective mining units.*<br>• *Any assumptions about correlation between variables.*<br>• *Description of how the geological interpretation was used to control the resource estimates.*<br>• *Discussion of basis for using or not using grade cutting or capping.*<br>• *The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.* | • Oriented ellipsoidal search radii ranged from 200m to 1500m depending on the estimation domain;<br>• Minimum number of samples = 7;<br>• Maximum number of samples = 21, and<br>• Octant search with a maximum of 5 samples per octant<br>The maximum extrapolation distance from the last data points was no more than 200m.<br>Computer software used for the modelling and estimation were:<br>*Areas A and B (2024):*<br>• Isatis Mining package with GEOVIVA Surpac<br>*Areas C, D, E, F G, H, I , MCZ and MCZE (2022):*<br>• Leapfrog Geo v2021 was used for geological domain modelling.<br>• Supervisor v8.14 was used for geostatistical analysis.<br>• Maptek Vulcan was used for grade estimation, block modelling and reporting for<br>The estimation block model definitions are:<br>• Non-rotated block model with an azimuth of 000ºGN;<br>• OK panel size was set at 100m x 100m x 2m (XYZ)<br>  ○ A smaller parent cell size of 50m x 50m x 2m (XYZ) was used in the A, B (2024) and Central Main (2022) prospect<br>• Sub-block size of 25m x 25m x 1m (XYZ);<br>• The bulk of the drilling data is on 200m by 200m grid spacings with a portion of the Central Main prospect infilled to 100m spacing, and<br>• Appropriate search ellipses were derived from KNA with an average search radii of 600m to 1500m and average anisotropy of 30:20:1 (major/semi/minor).<br>Selection of the block size was based on the geometry of the mineralisation, data density, and the likely degree to which selective mining can be successfully applied to the geologically based domain boundaries.<br>Estimations of U and Th elements were completed for the Mineral Resource estimate. Estimates of Sc were also completed. No other deleterious elements or other non-grade variables of economic significance are reported.<br>Correlations between the elements were determined from statistical analysis of the REE and demonstrated strong positive correlations between the majority of REE variables, particularly for the heavy rare earth elements in the primary mineralised domains (domains 4, 5, 6 and 7) |

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| | | The estimation model was validated using the following techniques:<br>• Visual 3D checking and comparison of informing samples and estimated values;<br>• Global statistical comparisons of raw sample and composite grades to the block grades;<br>• Comparison of correlation coefficients between composite and block data;<br>• Validation 'swath' plots by northing, easting and elevation for each domain, and<br>• Analysis of the grade tonnage distribution.<br>No by-product recoveries were considered.<br>No mining production has taken place at the deposit. |
| *Moisture* | • *Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.* | Tonnes are estimated on an Insitu Dry Bulk Density basis. No moisture content has been determined by testwork or used in estimation. |
| *Cut-off parameters* | • *The basis of the adopted cut-off grade(s) or quality parameters applied.* | The Company has reported a Feasibility Study on the Project to the ASX in March 2023 that provides supporting details for the application of a marginal cut-off grade of 200 ppm TREO (excluding $CeO_2$). |
| *Mining factors or assumptions* | • *Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.* | Mineralisation is near surface, broadly flat lying, and of grades amenable to conventional open pit mining methods.<br>The assumed mining method would be 'free dig' using truck and shovel. |
| *Metallurgical factors or assumptions* | • *The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.* | Processing of the REE mineralisation is considered relatively simple, with the clay undergoing a desorption process in which the REE are desorbed from the mineralisation into a salt solution, concentrated, and precipitated to create a mixed rare earth product.<br>Significant metallurgical test work on mineralisation at the Project has been undertaken including over five hundred and twenty-seven (527) variability interval desorption bottle rolls, eighty eight (88) variability desorption column composite bottle rolls, over thirty (30+) 3-metre and 5-metre heap leach columns which indicate metallurgical recoveries of up to 75% TREE-Ce (Total Rare Earth Element minus Cerium) using simple extraction techniques.<br>Details of this work was reported on the ASX as part of the Project Feasibility Study on 20 March 2023.<br>In addition to the laboratory test work pilot plant extraction of rare earths has commenced at the Project with initial mixed rare earths carbonate production from this plant reported to the ASX on March 13 2024. |

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| *Environmen-tal factors or assumptions* | • *Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.* | Tailings (the processed clay) are expected to be returned to the mined open pits and areas progressively rehabilitated. |
| *Bulk density* | • *Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.*<br>• *The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.*<br>• *Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.* | Bulk density has been determined from 1,826 individual drill core measurements using Archimedes method. Samples were oven dried, weighed, coated with wax then weighed dry and in water using an appropriate analytical balance.<br>Bulk densities for the primary mineralised domains (domain 4, 5, 6 and 7) were estimated using an omnidirectional variogram with soft boundaries following boundary analysis. Densities for the remaining regolith zones were by direct assignment based on reported measurements. |
| *Classification* | • *The basis for the classification of the Mineral Resources into varying confidence categories.*<br>• *Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).*<br>• *Whether the result appropriately reflects the Competent Person's view of the deposit.* | Classification of the mineral resource considered the interpretation confidence, drilling density, demonstrated continuity, estimation statistics (conditional bias, kriging efficiency) and block model validation results.<br>The assigned Mineral Resource classification reflects the Competent Person's view of the deposit. |
| *Audits or reviews* | • *The results of any audits or reviews of Mineral Resource estimates.* | No audits or review have been completed for the Mineral Resource estimate. |
| *Discussion of relative accuracy/ confidence* | • *Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.*<br>• *The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be* | The relative accuracy of the Mineral Resource estimate is reflected in the reporting of the Mineral Resource as per the guidelines of the 2012 JORC Code.<br>The statement relates to the global estimates of tonnes and grades.<br>No production data is available. |

| Criteria | JORC Code explanation | Commentary |
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| | *relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.*<br>• *These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.* | |

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