ASX ANNOUNCEMENT

19 AUGUST 2025

RARE EARTHS MINERALISATION IDENTIFIED AT IRONBACK HILL

SUMMARY

- **Near-surface, clay-hosted Rare Earth Element (REE) mineralisation has been identified at the 100% owned Ironback Hill Project, adjacent to the Company's large magnetite iron ore deposit.**
- **Intercept grades ranging from 356ppm to 1,153ppm Total Rare Earth Oxide (TREO) (length-weighted; 350ppm TREO cut-off applied).**
- **The mineralisation was detected by re-assaying archived drill samples from previous iron ore drilling programs carried out by Magnetite Mines.**
- **As an immediate next step, the Company will undertake low-cost follow up work to determine the potential value of further programs.**

Magnetite Mines Managing Director Tim Dobson said:

"As signalled in our 8 August 2025 announcement, Magnetite Mines has commenced a low-cost assessment of its vast South Australian tenement base for gold and critical minerals potential. While the development of the Razorback Iron Ore Project remains our core priority, the Board believes it is in shareholders' best interests to understand the full potential of the Company's extensive tenements in response to favourable market conditions.

"Accordingly, we have tasked our experienced in-house geology team to provide an assessment of mineral prospectivity on our existing ground. This announcement provides the first response from that assessment with the identification of rare earth element mineralisation at Ironback Hill, as detected by analysing existing samples from a previous Magnetite Mines drilling campaign.

"We are excited by this early-stage indication of rare earths mineralisation at Ironback Hill and are planning low-cost follow up exploration work to determine if a wider program of work is warranted."

Magnetite Mines Limited (**ASX:MGT** or the **Company**) is pleased to announce that near-surface, clay-hosted Rare Earth Element (REE) mineralisation has been identified at the 100%-owned Ironback Hill Project in South Australia's North-East, adjacent to the Company's large magnetite iron ore deposit.[1]

The identification of REE was made following the re-testing of limited clay rich samples from archived RC (reverse circulation) drill samples which were originally drilled by the Company to support resource development at the Ironback Hill iron ore deposit in 2011 -2012.[1] Mineralised intervals occur within clay-rich horizons and are typically co-incident with local drainage features.

Significant intersections

Significant REE mineralisation intersections from this re-assay program are listed below with results shown for Total Rare Earth Oxides (TREO), and Neodymium Oxide (Nd_2O_3), a critical rare earth magnet element:[A]

Significant results include (350ppm cut-off applied):

- 8m @ 1,153ppm TREO (215ppm Nd_2O_3) from 12 to 20m, within 18m @ 866ppm TREO from 10 - 28m (PLRC0053)
- 6m @ 816ppm TREO (190ppm Nd_2O_3) from 16 to 22m; within 20m @ 583ppm TREO from 12m (PLRC0056)
- 4m @ 977ppm TREO (64ppm Nd_2O_3) from 18m; within 20m @ 608ppm TREO from 14m (PLRC0059)

These results are early stage in nature with limited samples identified as containing near surface clays submitted for analytical testwork to date. No metallurgical testwork has been completed and the mineral recoveries are unknown at this stage. No estimate of size or grade continuity of the mineralisation can be made at this stage. A low-cost leachability analysis program, typically used to assess the economic potential of clay-hosted rare earth mineralisation, is now planned to determine whether a broader exploration effort is warranted. All REE assay intervals (including below-cut-off) are provided in Appendix 2 (Table B).

Disclaimer: *The results reported in this announcement are based on limited sampling and early-stage testwork. No metallurgical testwork has yet been undertaken, and recoveries and potential economic significance are unknown at this stage. Further work is required to determine the nature, extent and grade continuity of the mineralisation, and whether extraction would be technically or economically feasible.*

Strategic approach

The Razorback Project remains the Company's priority.[2,3,4,5] As outlined in the Company's current pro rata renounceable Rights Issue Prospectus lodged on 15 August 2025[B], development activities and expenditure plans are focused on advancing Razorback.[6,7]

In parallel, MGT is undertaking a low-cost, tenure-wide review of its South Australian holdings for gold, copper and other critical minerals both to meet statutory tenure obligations and in response to supportive market and policy settings. The planned work includes verifying historic occurrences and re-assaying archived drill material and this announcement reports the first outcome of that program.

The Company believes this is the first time that REE mineralisation has been detected at Ironback Hill and acknowledges Magnetite Mines' Senior Exploration Geologist Matthew Paul for his contribution to achieving this outcome.

[A] Reported intersections represent a selection of results expressed as calculated oxide equivalents. TREO is a sum of rare earth oxides (as listed) and is not a metal equivalent grade (no prices or recoveries are applied). The full dataset of intersections and assay results is presented in the Results section and Appendix A and B. All intercepts are reported as downhole lengths; true widths are not known due to drill hole inclination. A cut-off grade of 350 ppm TREO has been applied, with no high-grade cut-offs. TREO denotes Total Rare Earth Oxides as determined by laboratory analysis; Nd_2O_3 (neodymium oxide) is specifically reported as a key rare earth magnet element. Reporting criteria, sampling protocols and analytical methodologies are provided in the accompanying JORC (2012) Table 1.

[B] Offers of New Shares are made in, or accompanied by, the Prospectus lodged on 15 August 2025[7]. Eligible shareholders should consider the Prospectus (available on ASX or the Company's website) in deciding whether to acquire securities and should complete the application form in or accompanying the Prospectus.

Results

Assessment and re-analysis were conducted on archived RC drill samples that were collected after resource development at the Ironback Hill iron deposit.[1] Horizons ranging from 20-40m thickness were identified from drill holes with noted alluvial clays submitted for analysis for a total of ninety-eight 2m composite samples from a selection of 9 drill holes. Clay horizons were noted as being well developed adjacent to drainage features (creek lines). The samples were submitted for lithium borate fusion ICP-MS trace element analysis at ALS Global laboratories (**refer to Appendix 2 – Table B for full results**).

Significant intercepts were identified using a cut-off grade of 350 ppm TREO, no high-grade cut-offs were applied. Intercepts are length-weighted based on 2m downhole composite samples. All intercepts are reported as downhole lengths; true widths are not known at this stage. A minimum intercept width of 2m was applied, with no internal dilution excluded from the calculation.

Table 1. Ironback REE intersections from initial assay results

Hole ID	Intercept*
PLRC0053	8m @ 1,153ppm TREO from 12 to 20m depth
	18m @ 866ppm TREO from 10 - 28m depth
PLRC0059	4m @ 977ppm TREO from 18-22m depth
	20m @ 608ppm TREO from 14-34m depth
PLRC0056	6m @ 816ppm TREO from 16-22m depth
	20m @ 583ppm TREO from 12-32m depth
PLRC0052	4m @ 423ppm TREO from 10-14m depth
	4m @ 404ppm TREO from 16-20m depth
PLRC0040	2m @ 392ppm TREO from 8-10m depth
	12m @ 371ppm TREO from 22-34m depth
PLRC0055	2m @ 356ppm TREO from 42-44m depth
	2m @ 405ppm TREO from 48-50m depth
PLRC0041	6m @ 436ppm TREO from 12-18m depth
PLRC0023	2m @ 360ppm TREO from 12-14m depth

Cut-off grade of 350ppm TREO applied, no high-grade cut-offs were applied. All intercepts are reported as downhole lengths; true widths are not known.

Next steps

Metallurgical testwork

At Ironback Hill, the indications of REE mineralisation occur in near-surface, clay-rich horizons. No metallurgical testwork has yet been undertaken by the Company, and extractability, and therefore determination of the type and ease of extractability of the REE minerals remains to be determined. TREO grades represent elemental and oxide abundance and do not alone provide sufficient information related to the metallurgical extractability of the REEs.

The Company intends to undertake early-stage metallurgical testwork to determine:

1. the exchangeable/ionic fraction of REEs (often assessed via sequential leach tests);
2. leachability under mild reagents, ambient temperature and moderate pH;
3. selectivity and impurities (e.g., Al, Fe, Mg) that can increase reagent consumption;
4. solid–liquid separation characteristics, solution handling and potential by-products; and
5. variability with clay type, grain size and stratigraphic position.

Until this work is completed, recoveries and economic significance are unknown.

Additional work programs

Following the metallurgical testwork program, further mineralogical and sub-sampling of additional samples is planned to support the definition of a geological model and assess the extent of mineralisation as it occurs based on existing drilling datasets and archived samples.

Competent Persons Statement

Exploration Results

The information in this announcement that relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by Mr Trevor Thomas, who is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) and a Member of the Australian Institute of Geoscientists (AIG). Mr Thomas is a full-time employee of Magnetite Mines Limited and 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 2012). Mr Thomas consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears. Mr Thomas holds unquoted options in the Company.

References

1. ASX:MGT 20/11/18 – Ironback Hill Deposit – JORC 2012 Resource Update
2. ASX:MGT 09/02/23 – Iron Peak Mineral Resource Significantly Improved
3. ASX:MGT 09/06/23 – Iron Peak Deposit Maiden Ore Reserve
4. ASX:MGT 09/06/23 – Iron Peak Strengthens Razorback Project Economics
5. ASX:MGT 30/06/25 – Razorback Iron Ore Project 2025 Mineral Resource Update
6. ASX:MGT 08/08/25 – Renounceable Rights Issue to Raise up to $2.65 million
7. ASX:MGT 15/08/25 – Renounceable Rights Issue Prospectus

This announcement has been authorised for release to the market by the Board.

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SUPPLEMENTARY INFORMATION

Introduction

Rare earth elements (REEs) are a group of metals used in high-performance magnets, electrification and clean-energy technologies (e.g. EV motors, wind turbines), electronics and defence. REEs are typically dispersed at low concentrations, and economically extractable deposits are uncommon. Supply chains are also concentrated, making certain REE metals, particularly neodymium (Nd), praseodymium (Pr), dysprosium (Dy) and terbium (Tb) used in permanent magnets, strategically important.

Location – Ironback Hill

The REE mineralisation identified at Ironback Hill is located adjacent to the existing Ironback Hill magnetite iron ore Mineral Resource in north-east South Australia, approximately 250km northeast of Adelaide.[1] The prospect lies approximately twelve kilometres south of the Razorback Iron Ore Project and is situated within Exploration Licence EL 6126. The tenement is held by Ironback Pty Ltd, a wholly owned subsidiary of Magnetite Mines Limited and forms part of the broader Razorback Iron Ore Project tenement package.

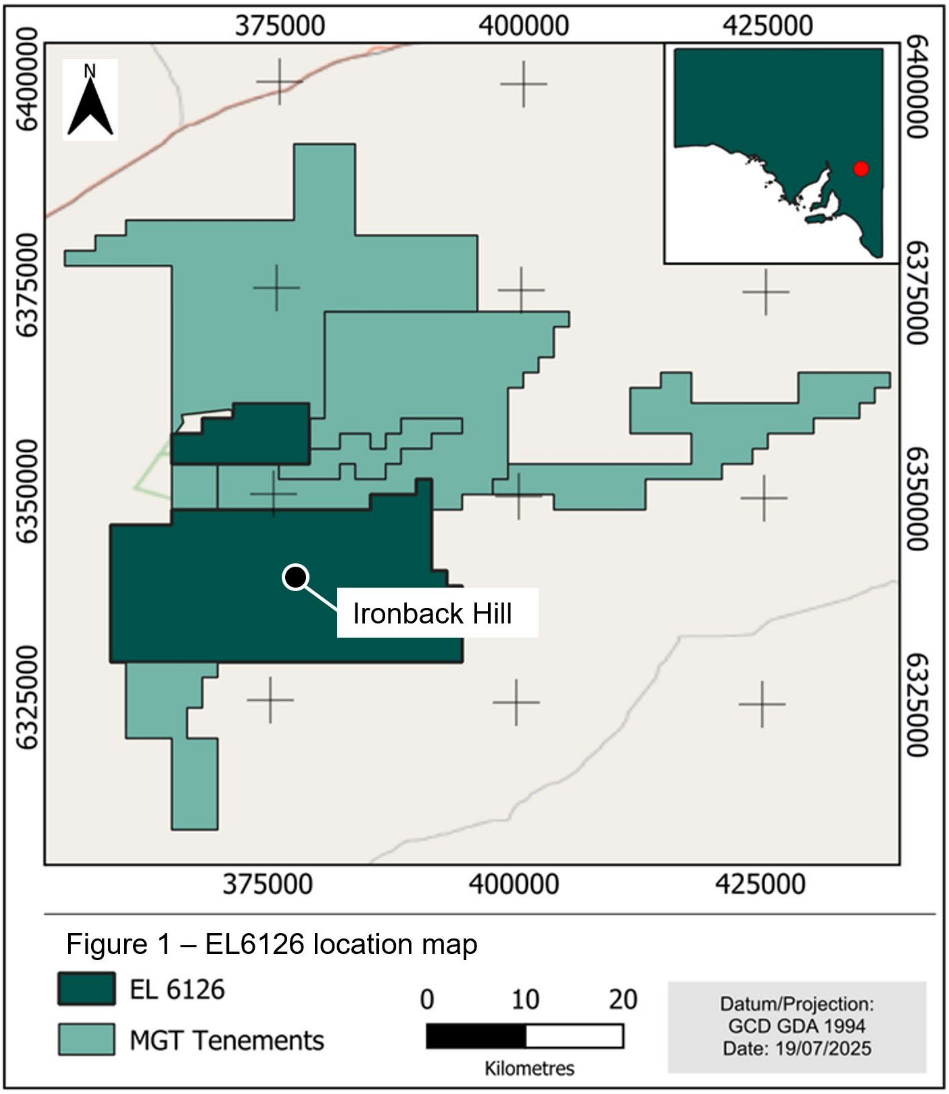

Figure 1. Ironback Hill location within tenement EL 6126

Geology

Clay-hosted REE mineralisation

In clay-hosted systems, REEs may occur as ions that are weakly adsorbed (bonded) onto the surfaces of clay minerals (e.g., kaolinite, illite, smectite) within the weathered profile, often near surface and locally associated with drainage or clay-rich horizons. This "ionic" component is important because, if present in sufficient proportion, REEs can potentially be desorbed (released) under mild leach conditions (e.g., ammonium-salt solutions), thereby avoiding the aggressive acid/alkali digestion processes normally necessary to digest REEs in hard-rock minerals (e.g., monazite, allanite).

Not all clay-hosted REE prospects are ionic; REEs may also occur in crystalline minerals dispersed through the clay. Those forms typically require more aggressive processing with different technical and economic implications. Accordingly, the style of clay-hosted REE mineralisation plays an important role in the REE extractability and therefore economic viability.

The Company is aiming to develop the genetic model of the REE formation at the Ironback Hill prospect further through additional desktop and mineralogical testwork.

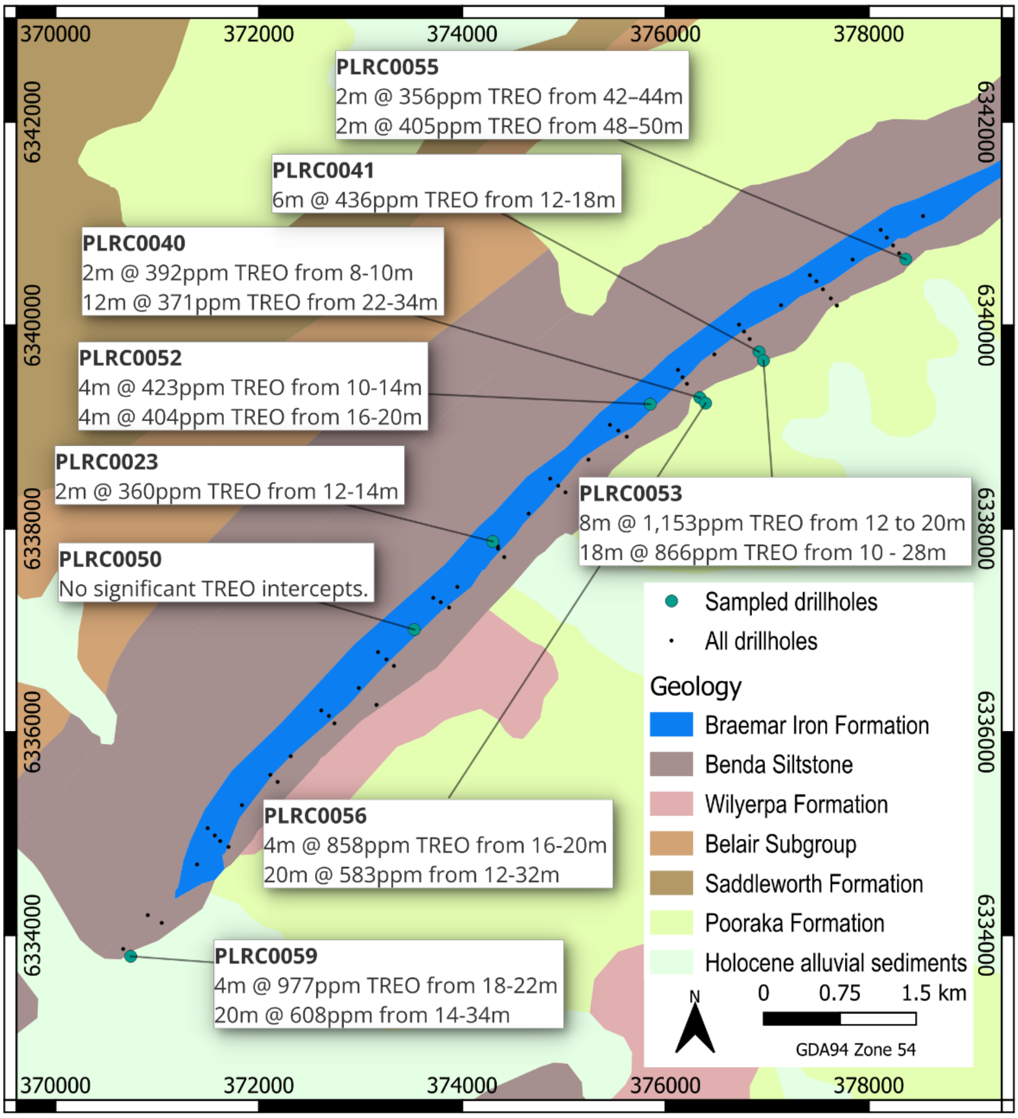

Figure 2. Drill hole locations and geological map

The extent of mineralisation is not currently known. Existing drilling data and coverage are insufficient to demonstrate continuity or true thickness of mineralisation. Accordingly, a cross section of potential mineralisation is not presented at this stage. Further work, including metallurgical extractability testwork and additional desktop studies, is planned to support future targeting and drilling programs.

Drill Program – Ironback Hill 2011

The REE sampling program described herein was completed on preserved diamond drill (DD) core and reverse circulation (RC) chip samples from the 2011-2012 Ironback Hill drilling campaign.[1] At the time, the primary objective was to define the grade and thickness of magnetite mineralisation within the Braemar Iron Formation.

The 2011-2012 program comprised sixty-four drillholes for 15,649 metres, using a combination of RC, DD and RC holes with diamond extensions (RCDD). Drill fence lines were typically eight hundred metres apart, with single infill holes in places reducing spacing to 400 metres. On section, holes were spaced 100–150 metres, drilled perpendicular to strike and inclined at 55° to provide near-true thickness intersections.

Key program details:

- **RC drilling:** 44 holes for 9,480 metres, completed by Coughlan Drilling using a UDR 650 rig.
- **Diamond drilling:** 2 DD holes from surface and 18 RCDD holes for 6,169 metres, drilled by Budd Contract Exploration and Range/Hodges Drilling.

RC samples were collected in one-metre intervals, composited to two metres for assay, with field duplicates every 20 samples. Diamond core was quartered for geochemistry and metallurgical testing, with half-core retained and selected whole-core segments preserved for future testwork.

Samples were collected after the drilling program and stored at the Company's storage facility in Adelaide prior to recent re-analysis for the presence of REE mineralisation.

Samples

Sample preparation - REE

Archived 2 m reverse circulation (RC) reference sub-samples (~1 kg each) from the 2011-2012 Ironback Hill drilling program were used for rare earth element (REE) analysis. For this work, 98 samples were prepared by combining 50/50 riffle splits on dry 2 m reference samples identified as containing clay.

During the original drilling, each 1 m RC interval was collected via a sampling trailer with dust collector, cyclone, and fixed riffle splitter. Reference samples were taken by spear from the splitter reject stream and archived for future analysis. Sampling targeted clay-hosted REE anomalism within weathered horizons. Total rare earth oxides (TREO) are reported as the sum of individual REO oxides, in line with industry conventions.

Sample selection was based on the identification of drilling intercepts with the presence of clays. Those intervals were selected for REE analysis resulting in 98 samples from 9 drill holes for the Ironback Hill prospect.

Sample storage and security

Following drilling in 2011-12, RC samples, from 2m composite sample bags, were collected prior to rehabilitation of the drill sites. Following Company procedures, sub-samples were taken via spear sampling from the centre of the bag to avoid contamination and stored in ~1kg plastic pots as a reference sample. These samples were in addition to chip tray samples, coarse residues and pulp samples, which have also been retained.

The plastic pots were labelled with the corresponding hole ID, prospect and meterage data and an aluminium perma-tag also with hole collar and meterage details placed in the plastic pot before sealing the dry sample closed with a corresponding tamper-proof plastic lid (tear away strip type). The samples were placed into wooden crates, which were labelled and then transported to the Company's secure storage facilities in Wingfield, Adelaide via a courier. These crates have been stored on steel racking inside the storage facilities, away from weather and sunlight.

Figure 3. Secured storage facility and dry storage of wooden crates – Wingfield, Adelaide.

Sample representivity

It is noted that the initial collection of reference materials from field drilling bags by spear sampling may introduce minor bias, and other sample collection methods such as riffle splitting of whole samples are generally preferred.

Samples were inspected prior to sampling to ensure representivity. Samples were securely stored with sample containers remaining in-tact and with no security concerns. Sample details from labels and perma-tags were correlated with down hole logging data prior to sampling to ensure representivity of lithology vs. records.

Figure 4. Example plastic pots with tamper proof lids and labelling, and wooden storage containers.

<u>Analytical techniques</u>

REE analyses were carried out by ALS Global using method ME-MS81 (lithium borate fusion followed by ICP-MS analysis), providing total or near-total digestion of REEs. The suite included light, medium, and heavy REEs along with selected pathfinder elements. Quality control included company-inserted certified reference materials, blanks, and pulp duplicates, supplemented by laboratory (ALS Global) internal standards, blanks, and repeat analyses to ensure precision and accuracy. Full analytical methodology is presented in Appendix 2 – JORC Table 1.

APPENDIX 1 – Ironback Hill REE Assay Results

The following table lists assay results received for the REE related sub samples with a cut-off grade of 350ppm TREO applied, no high-grade cut-offs were applied. Results are calculated oxide equivalents based on elemental abundance. All results are downhole lengths and do not represent true thickness due to inclination of drill holes. Reporting criteria and analytical details are provided in the accompanying JORC (2012) Table 1 below.

Drill Hole	From	To	Y_2O_3	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	Lu_2O_3	TREO
ID	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PLRC0023	12	14	40.8	69.8	116.9	17.6	66.7	13.6	2.9	11.3	1.6	8	1.8	4.2	0.6	3.8	0.7	360.3
PLRC0055	42	44	88.5	48.4	100.9	12.3	45.6	11.8	2.5	13.3	2	11.9	3.2	7.4	1	5.9	1	355.7
PLRC0055	48	50	121	45.9	100.5	11.6	48.2	12.3	3.1	19.5	2.9	16.9	4.1	9.5	1.2	7.5	0.9	405
PLRC0056	12	14	130.2	70.5	99.5	21.2	97.4	24.8	5.3	27.3	3.8	20.3	5	11	1.4	9.6	1.4	528.6
PLRC0056	14	16	109	72	114.6	24	100	24.1	4.4	20.7	3.2	17.7	4.6	10.4	1.5	10.1	1.5	517.8
PLRC0056	16	18	210.8	122	157.2	45.4	222.2	56.2	11.4	53.3	6.4	31.7	7.8	16.1	2.1	12.9	1.7	957.1
PLRC0056	18	20	88.9	110.2	187.3	39.4	196	45.6	9.3	39.2	4.1	18.3	4	8.1	1.1	7.1	1	759.6
PLRC0056	20	22	140.3	90.5	176.9	32.7	152.8	38.3	7.2	34.2	4.4	22.6	5.4	11.8	1.6	10.2	1.4	730.3
PLRC0056	22	24	115.2	70.6	197.2	24.6	109.3	26.1	5.5	24.3	3.2	18.8	4.7	10.4	1.4	9.4	1.3	621.9
PLRC0056	24	26	142.2	58.3	146.8	18.7	86.3	22.1	4.4	22.2	3.3	19	5.1	11.9	1.6	10.8	1.5	554.3
PLRC0056	26	28	116.4	51.4	112.3	13.2	53.2	12.9	2.9	17.1	2.4	14.6	4	8.8	1.3	7.4	1.1	419
PLRC0056	28	30	69.1	50.2	109.3	13.6	53	12	2.5	11.8	1.7	10.9	2.9	6.5	0.9	6.2	0.8	351.5
PLRC0056	30	32	90.7	53	116.9	13.6	52.1	10.6	2.5	12.7	1.8	12.3	3.2	7.8	1	6.7	1.1	386.2
PLRC0059	14	16	54	156.6	178.1	23.4	74.8	11.6	2.3	10.3	1.4	8.7	2.3	4.7	0.7	5	0.7	534.5
PLRC0059	16	18	45.7	138.4	288.7	20.7	67.7	11	2.1	9.6	1.3	8.1	1.8	4.8	0.6	4.4	0.7	605.5
PLRC0059	18	20	56.4	234	695.3	29.7	81.2	11.7	2	8.9	1.5	9.1	2.3	5.7	0.8	5.4	0.7	1144.7
PLRC0059	20	22	43.4	183.5	481.5	20.4	47.1	5.9	1.1	5.7	1	6.8	1.8	4.5	0.6	4.7	0.6	808.7
PLRC0059	22	24	44.3	174.7	331.7	23.6	61.2	8.9	1.7	8.4	1.3	8	2	4.6	0.6	4.5	0.6	676
PLRC0059	24	26	29.7	122.6	259.2	15.8	44.9	7.6	1.4	6	1	5.2	1.3	3.2	0.5	3.2	0.5	501.9
PLRC0059	26	28	38.4	79.9	196.5	13.7	45.4	9	2	8.1	1.2	7.1	1.6	4	0.6	3.6	0.5	411.4
PLRC0059	28	30	42.3	57.5	167.7	13.2	47.4	9.3	1.8	7.7	1.2	7.1	1.9	4.5	0.6	4.3	0.6	367
PLRC0059	30	32	46.9	51.5	298.5	12.4	44.8	10	1.9	8.1	1.4	8.7	2.1	4.9	0.8	5	0.7	497.7
PLRC0059	32	34	49.8	64.7	305.9	15.3	53.8	10.7	2	9.5	1.5	9	2.2	5.1	0.7	5.2	0.7	536
PLRC0040	8	10	42.7	56.8	128.4	17.6	88.6	18.8	3.7	13.7	1.7	9.1	1.9	4.3	0.6	4.1	0.5	392.5
PLRC0040	22	24	51.3	65.8	143.7	17.3	65.1	13	2.4	10.9	1.5	8.4	2.3	5.1	0.7	5.4	0.8	393.8
PLRC0040	24	26	61	60.5	132.1	15.5	55.4	10.5	2.3	11	1.6	9.8	2.4	6	0.8	5.8	0.8	375.2
PLRC0040	26	28	50.2	57.3	123.5	14.9	55.1	12.6	2.3	11.4	1.6	8.8	2.2	4.7	0.7	4.6	0.6	350.5
PLRC0040	28	30	86.5	57.8	125.3	14.7	54.9	11.2	2.1	11	1.8	11.4	3.3	7.2	1.1	7.4	1.1	396.7
PLRC0040	30	32	69.7	53.6	116.7	13.8	53.8	10	1.8	9.7	1.6	10.6	2.5	6.1	0.8	5.3	0.8	356.8
PLRC0040	32	34	70.5	50.8	113.4	13.7	54.1	9.8	2.2	10.3	1.6	10.6	2.7	5.8	0.8	5.4	0.8	352.4
PLRC0041	12	14	82.5	63.3	131.4	15.9	55.4	11.8	2.5	11.4	1.8	11.6	3.1	7.1	1.1	7.6	1.1	407.6
PLRC0041	14	16	156.2	57.1	125.9	15.2	56.7	12.2	2.7	15.3	2.6	17.7	5.2	12.6	1.9	13.2	1.8	496.4
PLRC0041	16	18	107.1	52.4	111.4	13.3	49.3	12.5	2.8	13.3	2.2	14.6	3.8	8.6	1.3	9.1	1.3	402.8
PLRC0052	10	12	56.8	69.3	145	19	75	16.3	3.6	15.9	2.1	11.2	2.5	5.4	0.8	5.4	0.8	429.1
PLRC0052	12	14	64.6	57.9	147.4	19.2	71.9	14.4	2.9	11.7	1.7	9.9	2.5	5.8	0.8	5.6	0.9	417.2
PLRC0052	16	18	130.8	31.9	73.3	8.9	34.9	10.9	2.8	15.4	2.5	16.3	4.4	10.6	1.5	10.6	1.8	356.7
PLRC0052	18	20	111.5	44.9	117.4	15.5	75.3	23	4.4	18.1	2.5	14.5	3.7	9.3	1.4	9.2	1.4	452.2

Drill Hole	From	To	Y_2O_3	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	Lu_2O_3	TREO
ID	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PLRC0053	10	12	55.4	137.8	321.8	41.8	146.4	23.2	4.1	17.2	2.3	11.2	2.6	5.4	0.8	5.3	0.7	776
PLRC0053	12	14	55.5	299.1	613	81.4	251.9	34.9	4.9	17.9	2.2	11	2.5	5.6	0.8	5.1	0.7	1386.6
PLRC0053	14	16	49.1	119	358.7	40.1	158.6	30.6	4.9	19.7	2.2	10.6	2.2	5	0.7	4.8	0.7	806.9
PLRC0053	16	18	141	144.3	515.9	57.9	256.6	56.5	10.5	44.1	5.4	26.4	6	12.7	1.8	12.5	2	1293.6
PLRC0053	18	20	67.1	173.6	528.2	48.9	194.8	36.5	7.2	29.7	3.4	16.1	3.3	6.6	0.9	6.6	0.9	1123.8
PLRC0053	20	22	35.8	82.7	243.8	17.9	60.8	10.2	1.8	8	1.1	6.2	1.5	3.6	0.6	4.2	0.6	478.8
PLRC0053	22	24	55.5	78.5	176.3	21.8	85.1	16.3	3.2	14.1	1.8	10.3	2.4	5.7	0.8	5.6	0.9	478.3
PLRC0053	24	26	65.4	67.7	337.8	19.5	78.7	16.9	3	14.3	2.1	12	2.9	6.9	0.9	6.5	1	635.7
PLRC0053	26	28	131.4	70.3	417.7	21.2	80.9	18.3	3.8	19.4	3.1	19.1	4.9	11	1.6	10.5	1.6	814.8

APPENDIX 2 – JORC TABLE 1, 2012 Edition

MAGNETITE MINES LTD – Ironback Hill clay-hosted REE

Section 1 Sampling Techniques and Data

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.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• REE assays derive from archived 1 m RC drill-spoil reference sub-samples (~1 kg each) collected during the 2011-2012 Ironback Hill RC program. For the REE work, 98 samples were prepared as 2 m composites by combining riffle-splits from adjacent 1 m reference samples targeting logged clay (lith code "Ocl" and/or keyword "clay"). • At drilling, each 1 m RC interval was captured via a sampling trailer with dust collector, cyclone and non-adjustable riffle splitter; reference samples (~1 kg/m) were taken via spear sampling to be archived for future work. The REE re-assay used 50/50 riffle splits from the archived 1 m references to create one ~1 kg 2 m composite, performed on dry material. No downhole geophysical tools or handheld XRF were used for the REE re-assay; calibration of such instruments is therefore not applicable. • Intervals selected to test clay-hosted REE anomalism within weathered horizons; TREO is reported as a sum of REO oxides (see factors below).
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).*	• No new drilling. REE samples derived from the 2011-2012 Ironback Hill drilling. • Historical program details: RC drilling was performed by Coughlan Drilling using a UDR 650 with 5½″ face-sampling and booster; 44 RC holes were completed over ~11 km strike (avg. depth ~215 m, total 9,480 m). Diamond work comprised 2 DD from surface and 18 RCDD (avg. 308 m, total 6,169 m) with HQ (standard & triple-tube) and NQ tails; one DD hole twinned an RC hole.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain*	• RC samples showed generally good recovery with <1% recorded as poor or wet; HQ/NQ diamond core recovery was >98% (minor issues near surface/broken zones). Core loss was recorded. These observations inform confidence in the archived materials used for REE compositing. • No relationship between recovery and REE grade can be established from the archived material; potential bias from preferential loss/gain of fines is unknown.

Criteria	JORC Code explanation	Commentary
	of fine/coarse material.	
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.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• 100% of sampled intervals were lithologically logged by MGT geologists using MGT rock codes to intervals of 1m. • Chip trays were retained for each RC hole. Photography available where taken. • All RC drill metres have been geologically logged.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *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.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• In the original drilling, 2 m RC composites (~3 kg) were captured from the splitter; duplicates were produced via a secondary riffle splitter (50/50). 1kg reference samples were taken from RC spoil via spear sampling. Diamond core was typically sampled at 1 m intervals with quarter-core for assays and metallurgical retention protocols. • Use of archived spear-collected reference material may introduce fines/coarse fraction bias; potential bias is currently unknown. • On-site at MGT core storage: 50/50 riffle split per archived 1 m reference sample, paired to create 2 m composites (~1 kg). • CRU31 (crush to 70% <2 mm), CRU-QC, PUL31h (~750 g to 85% <75 µm), PUL-QC, WEI21 (receipt/weights). • Composite masses and pulverised charges are typical for fine-grained clay-hosted targets; confirmation will be augmented by pending mineralogy/met testwork.
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *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.* • *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.*	• ALS ME-MS81 (lithium borate fusion ICP-MS) — total/near-total digestion for REE. Analytes: Ba, Ce, Cr, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb, Sc, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tm, U, V, W, Y, Yb, Zr. • QC: Company insertions: CRMs (OREAS 147, OREAS 20a, OREAS 460, SY-5), blanks (Blank01_23034714 to Blank04_23034714), and pulp duplicates (4824024, 8283070, 8283085, 3097118). ALS internal CRU-QC/PUL-QC, internal standards, repeats and blanks per SOPs. • Company and laboratory standards were within acceptable levels of accuracy and precision. External laboratory checks have not been undertaken.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.*	• Significant intersections have been prepared by Mr Trevor Thomas and reviewed by Mr Matthew Paul. • One RC-DD twinned hole exists from the historical program however no clays were

Criteria	JORC Code explanation	Commentary
	• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	sampled from these holes. • Logging and sampling intervals were entered into LogChief software on site with audit trails and uploaded to Datashed. Chip trays retained. • No adjustments to assays other than REO oxide conversions.
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.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Collars originally by handheld GPS (3–5 m); selected collars later by DGPS (±1 m). Downhole: Eastman readings every 30–40 m; gyro on selected holes confirmed negligible deviation relative to Eastman in magnetic rocks. • Grid: MGA94 / Zone 54. • RLs from a DTM derived from 50 m line-spaced aeromagnetics flown Dec 2009–Jan 2010.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• The original program comprised 800m x 100m spaced drill lines with single infill holes at 400m between lines. • The data spacing is adequate for Exploration Results only; not sufficient for Mineral Resource estimation without further work. • 1m sub-sample intervals were composited to 2m.
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.* • *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 historical drilling program was oriented at 55 degrees to intersect perpendicular to the dipping target lithology. • The overlying clay-hosted REE mineralisation is interpreted as (sub-)horizontal; therefore, down-hole intercepts are apparent widths and are expected to exceed true thickness.
Sample security	• *The measures taken to ensure sample security.*	• The chain of custody was controlled by Magnetite Mines. Samples were delivered to ALS Adelaide by either Magnetite Mines staff or by Burra Couriers. Sub-samples were delivered to ALS Adelaide by Magnetite Mines staff.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	• No independent reviews of audits of sampling have been carried out.

Section 2 Reporting of Exploration Results

(Criteria listed in section 1 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,*	• Magnetite Mines Limited, through its 100% owned subsidiary Ironback Pty Ltd, has secured the EL 6126 lease on which the Ironback Project lies. The Ironback Hill tenement EL 6126 covers approximately

Criteria	JORC Code explanation	Commentary
	partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • *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.*	725km^2. • Resource payments calculated at $0.01 per DTR tonne of measured resources (resource payment = tonne of measured resource x $0.01 x DTR%). • A 1% royalty on the value of the product produced from the tenement measured at the 'mine gate'. • The tenement is subject to ordinary third-party interests customary for the jurisdiction (including native title and land access) none of which are considered to be impediments at this time.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Whitten, on behalf of the Geological Survey of South Australia, carried out a detailed study at the Razorback Ridge area during the 1950's and 60's. This work whilst spatially separate from the Ironback Hill Resource, forms the basis for much of the Braemar Iron Formation ('Type locality') and it's description locally and laterally. • No previous drilling or exploration for clay-hosted REE has been undertaken on Ironback Hill.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Resampling of historic RC drill material TREO mineralisation in near-surface clays of the Late Pleistocene Pooraka Formation (red-brown alluvial sheetwash) proximal to/overlying the Braemar Iron Formation. The occurrence is provisionally regolith-hosted (clay-hosted) REE. Specific style (ion-adsorption vs secondary/detrital) is uncertain; no discrete REE minerals identified. Mineralogy/deportment to be confirmed by XRD/SEM and sequential ammonium-salt leach tests.

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:*
	  o *easting and northing of the drill hole collar*
	  o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  o *dip and azimuth of the hole*
	  o *down hole length and interception depth*
	  o *hole length.*
	• *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.*
		• Refer to Collar details (Table A) and Interval data (Tables 1 and B).
		• No drill-hole information has been excluded other than holes not re-assayed for REE, which is not material to the understanding of reported REE results.

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Data aggregation methods</td><td>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.
Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.
The assumptions used for any reporting of metal equivalent values should be clearly stated.</td><td>Significant intercepts are calculated using a cut-off grade of 350 ppm TREO, no high-grade cut-offs were applied. Intercepts are length-weighted based on 2m downhole composite samples. All intercepts are reported as downhole lengths; true widths are not known at this stage. A minimum intercept width of 2m was applied, with no internal dilution excluded from the calculation
Conversions: REE elemental to oxide by the company, factors listed below:
<table>
<tr><th>Element</th><th>Oxide</th><th>Factor</th></tr>
<tr><td>Yttrium</td><td>Y_2O_3</td><td>1.2699</td></tr>
<tr><td>Lanthanum</td><td>La_2O_3</td><td>1.1728</td></tr>
<tr><td>Cerium</td><td>CeO_2</td><td>1.2284</td></tr>
<tr><td>Praseodymium</td><td>Pr_6O_{11}</td><td>1.2083</td></tr>
<tr><td>Neodymium</td><td>Nd_2O_3</td><td>1.1664</td></tr>
<tr><td>Samarium</td><td>Sm_2O_3</td><td>1.1596</td></tr>
<tr><td>Europium</td><td>Eu_2O_3</td><td>1.1579</td></tr>
<tr><td>Gadolinium</td><td>Gd_2O_3</td><td>1.1526</td></tr>
<tr><td>Terbium</td><td>Tb_4O_7</td><td>1.1762</td></tr>
<tr><td>Dysprosium</td><td>Dy_2O_3</td><td>1.1477</td></tr>
<tr><td>Holmium</td><td>Ho_2O_3</td><td>1.455</td></tr>
<tr><td>Erbium</td><td>Er_2O_3</td><td>1.1435</td></tr>
<tr><td>Thulium</td><td>Tm_2O_3</td><td>1.1421</td></tr>
<tr><td>Ytterbium</td><td>Yb_2O_3</td><td>1.1387</td></tr>
<tr><td>Lutetium</td><td>Lu_2O_3</td><td>1.1371</td></tr>
</table>
The reporting of REE oxides is done so in accordance with industry standards using the following calculation:
TREO = $Y_2O_3 + La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Lu_2O_3$.
No metal equivalents reported.</td></tr>
<tr><td>Relationship between mineralisation widths and intercept lengths</td><td>These relationships are particularly important in the reporting of Exploration Results.
If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.
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').</td><td>Drillholes were drilled at 55° and the host clays are interpreted to be bedded horizontally and as such clay intercepts are exaggerated with respect to true thickness.
The geometry of the mineralisation is not known so down hole lengths are reported as true width is not known.</td></tr>
<tr><td>Diagrams</td><td>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These</td><td>Refer to figures 2 and A.
The extent of mineralisation is not currently known. Existing drilling data and coverage are insufficient to demonstrate continuity or true</td></tr>
</table>

Criteria	JORC Code explanation	Commentary
	should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	thickness of mineralisation. Accordingly, a cross section of potential mineralisation is not presented at this stage. Further work, including metallurgical extractability testwork and additional desktop studies, is planned to support future targeting and drilling programs.
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.*	• All results have been reported, refer to Table B.
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.*	• Extensive exploration has been undertaken for iron ore within the Braemar Iron Formation at Ironback Hill by MGT however these results are not considered material to this report.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions, depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Bench-scale metallurgical program at Ironback Hill - sequential leach to quantify exchangeable/ionic fraction; mild-reagent leachability at ambient conditions; impurity/selectivity and solid–liquid separation tests on representative composites and variability subsets (clay type, grain size, stratigraphy). Mineralogical characterisation (XRD/SEM-EDS). • Assessment of lateral/depth continuity using existing drilling and targeted surface/sub-surface sampling; subject to results, limited shallow auger/aircore infill and step-out drilling to test extensions.

Table A Drill Collar – Location Data

Hole ID	Hole Type	Max Depth (m)	Dip (°)	Datum	Easting (m)	Northing (m)	Elevation (m)	Survey Method	Date Drilled	Azimuth
PLRC0023	RC	162	-55	MGA94_54	374301.3	6337874	244.03	DGPS	22-Oct-11	320
PLRC0040	RC	210	-55	MGA94_54	376338.4	6339290	240.37	DGPS	13-Nov-11	320
PLRC0041	RC	234	-55	MGA94_54	376921.5	6339740	247.18	DGPS	15-Nov-11	320
PLRC0050	RC	234	-55	MGA94_54	373530	6337007	243.72	GPS	19-Feb-12	320
PLRC0052	RC	246	-55	MGA94_54	375851	6339225	245.47	GPS	23-Feb-12	320
PLRC0053	RC	240	-55	MGA94_54	376965	6339654	236.9	GPS	09-Mar-12	320
PLRC0055	RC	300	-55	MGA94_54	378365	6340651	225.3	GPS	13-Mar-12	320
PLRC0056	RC	300	-55	MGA94_54	376396	6339235	230.23	GPS	15-Mar-12	320
PLRC0059	RC	270	-55	MGA94_54	370740	6333793	227.33	GPS	20-Mar-12	310

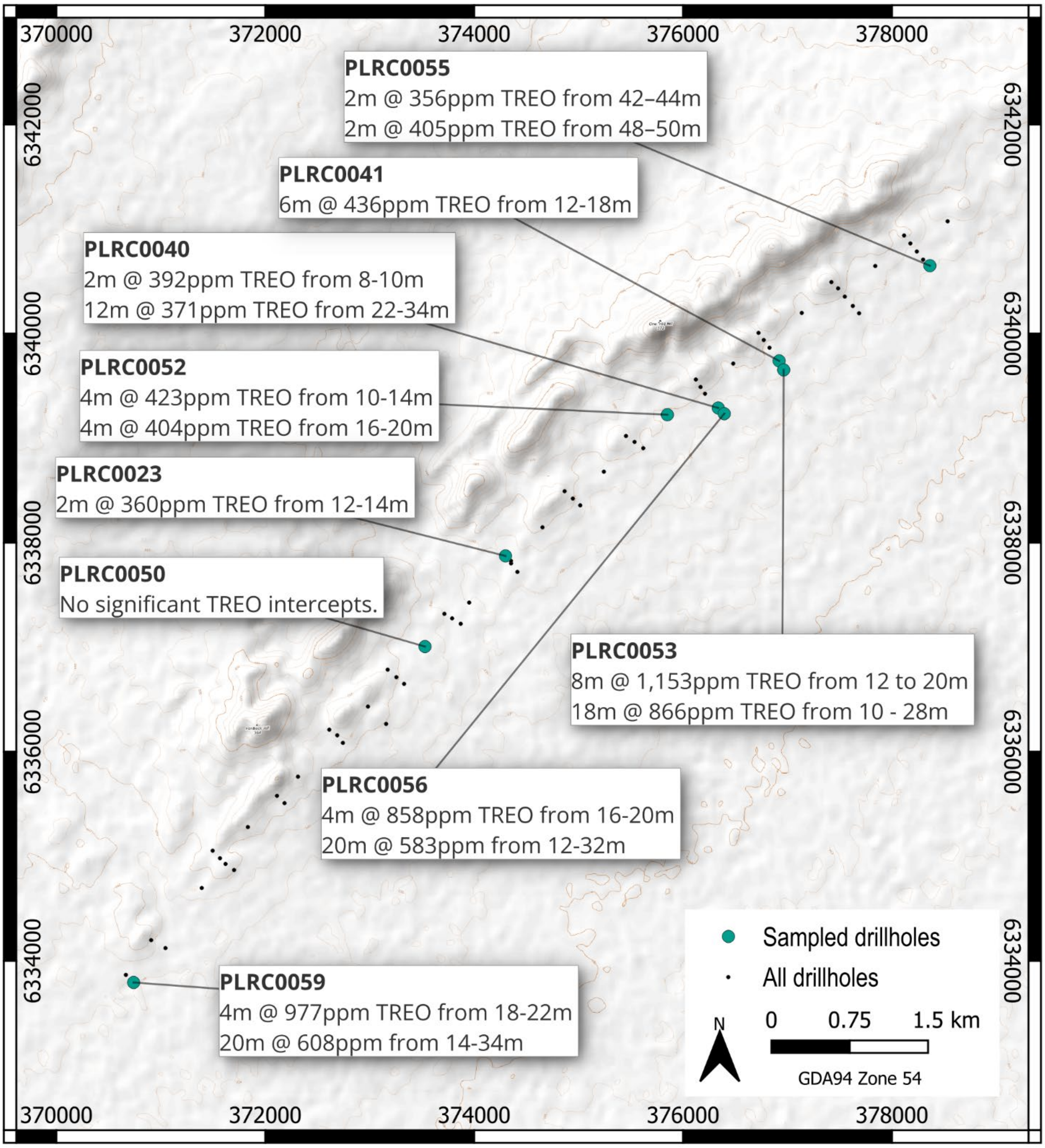

Figure A – Drill collar location map and associated intercepts, cut-off grade of 350ppm TREO applied, no high-grade cut-offs were applied.

Table B - Ironback REE Assay Results reported in parts per million (ppm) – No cut-offs applied, downhole intervals supplied.

Hole ID	mFrom	mTo	CeO_2	Dy_2O_3	Er_2O_3	Eu_2O_3	Gd_2O_3	Ho_2O_3	La_2O_3	Lu_2O_3	Nd_2O_3	Pr_6O_{11}	Sm_2O_3	Tb_4O_7	Tm_2O_3	Y_2O_3	Yb_2O_3	TREO
PLRC0023	6	8	68.5	5.1	3.5	1.3	5.2	1.4	33	0.5	29.9	8.1	6.2	0.9	0.4	30.1	2.8	196.6
PLRC0023	8	10	54.8	4.9	3.3	1	5.1	1.2	28.3	0.5	25.8	6.7	5.5	0.8	0.5	32	3.2	173.4
PLRC0023	10	12	56.3	5.4	3.7	1.2	5	1.4	31.1	0.5	23.4	7.4	5.1	0.9	0.5	34.5	3.1	179.6
PLRC0023	12	14	116.9	8	4.2	2.9	11.3	1.8	69.8	0.7	66.7	17.6	13.6	1.6	0.6	40.8	3.8	360.3
PLRC0050	8	10	62.8	3.6	1.9	1.1	4.8	0.9	30.7	0.2	28	7.5	5.8	0.6	0.3	20.3	1.9	170.4
PLRC0050	10	12	50.7	4	2.1	1.5	5.6	0.9	23.6	0.3	27.6	6.8	6.8	0.8	0.3	21.2	2	154.1
PLRC0050	12	14	97.3	5.4	2.9	1.6	6.5	1.3	43.3	0.4	39.2	11.1	7.9	0.9	0.4	30.4	2.7	251.2
PLRC0050	14	16	113.1	6.3	3.7	1.8	7.3	1.4	50.9	0.4	46	12.4	9.2	1.1	0.4	33.4	3.3	290.7
PLRC0050	16	18	86.6	5.8	3.2	1.6	6	1.5	41.1	0.4	36.5	9.8	6.3	0.9	0.5	34	3.2	237.1
PLRC0050	18	20	95.7	5.1	3.1	1.8	7.2	1.3	45.2	0.4	44	11.5	9	0.9	0.4	30.2	2.6	258.3
PLRC0055	36	38	108.5	8.7	5.4	2.2	10	2.2	49.8	0.7	48.9	12.3	9.7	1.4	0.7	55.5	4.5	320.4
PLRC0055	38	40	99	8.6	5.2	2	10.1	2	45.6	0.7	45.3	11.6	9.7	1.3	0.7	54	4.9	300.7
PLRC0055	40	42	110.6	10	6.1	2.3	11.1	2.5	49.1	0.9	48.1	13	10.7	1.6	0.9	64.5	5.5	336.9
PLRC0055	42	44	100.9	11.9	7.4	2.5	13.3	3.2	48.4	1	45.6	12.3	11.8	2	1	88.5	5.9	355.7
PLRC0055	44	46	105.6	9.5	5.7	2	11.5	2.5	48.1	0.8	48.1	12.2	11.3	1.7	0.8	64.3	5.2	329.2
PLRC0055	46	48	99.3	10.5	5.8	2.3	11.8	2.6	45.6	0.7	44.7	11.5	11.6	1.7	0.7	66.5	4.7	320.2
PLRC0055	48	50	100.5	16.9	9.5	3.1	19.5	4.1	45.9	0.9	48.2	11.6	12.3	2.9	1.2	121	7.5	405
PLRC0055	50	52	105	11	6.7	2.6	12.5	3	47.7	0.9	45.5	12	10.7	1.8	1	72.9	6.3	339.4
PLRC0056	8	10	45.8	7.1	4.7	0.8	4.9	1.8	5.5	0.6	7.8	1.6	2.8	1	0.6	47.1	4.7	136.9
PLRC0056	10	12	72.2	9.7	5.2	2.6	11.4	2.2	39.9	0.7	52	11.9	13.1	1.7	0.7	50.3	4.7	278.4
PLRC0056	12	14	99.5	20.3	11	5.3	27.3	5	70.5	1.4	97.4	21.2	24.8	3.8	1.4	130.2	9.6	528.6
PLRC0056	14	16	114.6	17.7	10.4	4.4	20.8	4.6	72	1.5	100	24	24.1	3.2	1.5	109	10.1	517.8
PLRC0056	16	18	157.2	31.7	16.1	11.4	53.3	7.8	122	1.7	222.2	45.4	56.2	6.4	2.1	210.8	12.9	957.1
PLRC0056	18	20	187.3	18.3	8.1	9.3	39.2	4	110.2	1	196	39.4	45.6	4.1	1.1	88.9	7.1	759.6
PLRC0056	20	22	176.9	22.6	11.8	7.2	34.2	5.4	90.5	1.4	152.8	32.7	38.3	4.4	1.6	140.3	10.2	730.3
PLRC0056	22	24	197.2	18.8	10.4	5.5	24.3	4.7	70.6	1.3	109.3	24.7	26.1	3.2	1.4	115.2	9.4	621.9
PLRC0056	24	26	146.8	19	12	4.5	22.2	5.1	58.3	1.5	86.3	18.7	22.2	3.3	1.6	142.2	10.8	554.3
PLRC0056	26	28	112.3	14.6	8.8	2.9	17.1	4	51.4	1.1	53.2	13.2	12.9	2.4	1.3	116.5	7.4	419
PLRC0056	28	30	109.3	10.9	6.5	2.5	11.8	2.9	50.2	0.8	53	13.6	12	1.7	1	69.1	6.2	351.5
PLRC0056	30	32	116.9	12.3	7.8	2.5	12.7	3.2	53	1.1	52.1	13.6	10.6	1.8	1	90.7	6.7	386.2
PLRC0056	32	34	120.4	9	5.3	2	9.1	2.4	54	0.7	49.5	13.5	10.6	1.4	0.7	57.8	4.7	340.9

Hole ID	mFrom	mTo	CeO_2	Dy_2O_3	Er_2O_3	Eu_2O_3	Gd_2O_3	Ho_2O_3	La_2O_3	Lu_2O_3	Nd_2O_3	Pr_6O_{11}	Sm_2O_3	Tb_4O_7	Tm_2O_3	Y_2O_3	Yb_2O_3	TREO
PLRC0056	34	36	103.7	8.2	5	2	8.8	2	48.2	0.6	46.9	12.4	9.8	1.4	0.7	52.2	4.7	306.6
PLRC0059	2	4	60.2	4.2	2.2	1	3.8	1.1	28.6	0.3	22.4	6.3	4.3	0.6	0.3	26	2.4	163.6
PLRC0059	4	6	41.8	4.8	2.9	0.6	3.3	1.2	23.7	0.3	14.9	4.6	3.5	0.7	0.5	30.9	2.6	136.1
PLRC0059	6	8	43.4	4.7	2.5	0.6	2.9	1.2	29.8	0.4	17.5	4.8	3.3	0.6	0.4	25.8	2.5	140.4
PLRC0059	8	10	71	4.5	2.9	0.9	4.4	1.2	113.6	0.5	33.2	11.6	5	0.8	0.4	29.1	3.1	282.3
PLRC0059	10	12	47.4	5.2	3.2	0.8	3.4	1.4	72.8	0.4	20.3	6.9	3.1	0.7	0.5	33	3	201.9
PLRC0059	12	14	86.2	7.1	4.6	1.2	6.5	1.9	94.1	0.6	38	12.1	6.3	1.1	0.7	45.5	4.3	310.1
PLRC0059	14	16	178.1	8.8	4.7	2.3	10.3	2.3	156.6	0.7	74.8	23.4	11.6	1.4	0.7	54	5	534.5
PLRC0059	16	18	288.7	8.1	4.8	2.1	9.6	1.8	138.4	0.7	67.7	20.7	11	1.3	0.6	45.7	4.4	605.5
PLRC0059	18	20	695.3	9.2	5.7	2	8.9	2.3	234	0.7	81.2	29.7	11.7	1.5	0.8	56.4	5.4	1144.7
PLRC0059	20	22	481.5	6.8	4.5	1.2	5.7	1.8	183.5	0.6	47.1	20.4	5.9	1.1	0.6	43.4	4.7	808.7
PLRC0059	22	24	331.7	8	4.6	1.7	8.4	2	174.8	0.6	61.2	23.6	8.9	1.3	0.6	44.3	4.5	676
PLRC0059	24	26	259.2	5.2	3.2	1.4	6	1.3	122.6	0.5	44.9	15.8	7.6	1	0.5	29.7	3.2	501.9
PLRC0059	26	28	196.5	7.1	4	2	8.1	1.6	79.9	0.5	45.4	13.7	9	1.2	0.6	38.4	3.6	411.4
PLRC0059	28	30	167.7	7.1	4.5	1.8	7.7	1.9	57.5	0.6	47.4	13.2	9.4	1.2	0.6	42.3	4.3	367
PLRC0059	30	32	298.5	8.7	4.9	1.9	8.1	2.1	51.5	0.7	44.8	12.4	10	1.4	0.8	46.9	5	497.7
PLRC0059	32	34	305.9	9	5.1	2	9.5	2.2	64.7	0.7	53.8	15.3	10.7	1.5	0.7	49.8	5.2	536
PLRC0040	4	6	92.9	6.9	3.8	1.6	6.6	1.6	42.3	0.5	42.1	10.6	8.1	1	0.5	39.2	3.9	261.6
PLRC0040	6	8	105.9	6.7	4.3	1.7	8.1	1.7	48.9	0.6	48.6	12.1	8.6	1.1	0.5	41.5	4.1	294.4
PLRC0040	8	10	128.4	9.1	4.3	3.7	13.7	1.9	56.8	0.5	88.7	17.6	18.8	1.7	0.6	42.7	4.1	392.5
PLRC0040	10	12	118.8	7.6	3.8	2.6	11	1.7	53.4	0.6	67.7	15	13.6	1.4	0.6	40.5	3.9	341.8
PLRC0040	12	14	96.6	6.8	3.7	1.7	7.2	1.6	45.2	0.6	46.4	11.3	7.9	1.1	0.6	39	4.3	273.7
PLRC0040	14	16	101.7	6.4	4.2	1.5	6.8	1.7	47.3	0.6	42.8	11.6	8.9	1.1	0.6	42.8	3.8	281.8
PLRC0040	16	18	111.3	7	3.9	1.8	7.5	1.8	51.4	0.6	49.2	13.1	9	1.1	0.6	45.2	4.3	307.7
PLRC0040	18	20	101.3	8.5	5.3	1.8	7.9	2.2	46.6	0.7	46	11.7	9.8	1.3	0.7	56.1	4.8	304.5
PLRC0040	20	22	113	8.3	5.5	1.9	8.4	2.1	52.2	0.7	49.1	13.1	10.2	1.3	0.6	51.6	5.2	323.1
PLRC0040	22	24	143.7	8.4	5.1	2.4	10.9	2.3	65.8	0.8	65.1	17.3	13.1	1.5	0.7	51.3	5.4	393.8
PLRC0040	24	26	132.1	9.8	6	2.3	11	2.4	60.5	0.8	55.4	15.5	10.5	1.6	0.8	61	5.8	375.2
PLRC0040	26	28	123.5	8.8	4.7	2.3	11.4	2.2	57.4	0.6	55.1	14.9	12.6	1.6	0.7	50.2	4.6	350.5
PLRC0040	28	30	125.3	11.4	7.2	2.1	11	3.3	57.8	1.1	54.9	14.7	11.2	1.8	1.1	86.5	7.4	396.7
PLRC0040	30	32	116.7	10.6	6.1	1.8	9.7	2.5	53.6	0.8	53.8	13.8	10	1.6	0.8	69.7	5.3	356.8

Hole ID	mFrom	mTo	CeO_2	Dy_2O_3	Er_2O_3	Eu_2O_3	Gd_2O_3	Ho_2O_3	La_2O_3	Lu_2O_3	Nd_2O_3	Pr_6O_{11}	Sm_2O_3	Tb_4O_7	Tm_2O_3	Y_2O_3	Yb_2O_3	TREO
PLRC0040	32	34	113.4	10.6	5.8	2.2	10.3	2.7	50.8	0.8	54.1	13.7	9.8	1.6	0.8	70.5	5.4	352.4
PLRC0040	34	36	105.6	10.4	5.6	2.1	10.3	2.6	50.6	0.7	50.2	12.7	10.6	1.8	0.8	68.7	5.5	338.1
PLRC0040	36	38	103.7	7.2	4.1	1.7	8.3	1.8	47.3	0.6	46.5	12.3	8.8	1.3	0.5	43.2	3.6	290.9
PLRC0041	6	8	91.5	6.7	3.8	1.3	6.6	1.7	45.9	0.5	38.7	10.8	7.3	1.1	0.5	38.7	3.8	259
PLRC0041	8	10	113.1	7.2	4.2	2.1	8.5	1.7	55.7	0.6	54.8	14.2	10.3	1.3	0.6	42	4	320.2
PLRC0041	10	12	124.1	7.3	4.4	1.9	8	1.9	59.8	0.6	53.9	14.8	10	1.3	0.6	45	4.4	337.9
PLRC0041	12	14	131.4	11.7	7.1	2.5	11.4	3.1	63.3	1.1	55.4	16	11.8	1.8	1.1	82.5	7.6	407.6
PLRC0041	14	16	125.9	17.7	12.6	2.7	15.3	5.2	57.1	1.8	56.7	15.2	12.2	2.6	1.9	156.2	13.2	496.4
PLRC0041	16	18	111.4	14.6	8.6	2.8	13.3	3.8	52.4	1.3	49.3	13.3	12.5	2.2	1.3	107.1	9.1	402.8
PLRC0041	18	20	102.7	9.2	5.2	1.8	9.3	2.4	48.6	0.7	43.4	12	8.7	1.5	0.7	58.4	4.9	309.4
PLRC0041	20	22	96.9	8.4	4.9	2	9.4	2.3	42.7	0.6	45.1	11.6	9.7	1.5	0.6	49.5	4.5	289.8
PLRC0041	22	24	96.9	8.2	4.2	2	9.2	2	44.1	0.5	40.8	11.6	9.6	1.4	0.6	43.2	4.2	278.5
PLRC0041	24	26	93.1	7.8	4.6	1.6	7.5	1.9	41.6	0.6	39.3	11.1	8	1.2	0.7	41.7	4.6	265.3
PLRC0041	26	28	85.3	6.9	4.1	1.7	8.1	1.9	38.5	0.6	39.2	9.9	8.9	1.1	0.5	43.9	3.9	254.4
PLRC0041	28	30	86.7	7.1	4	1.6	7.8	1.8	39.9	0.5	37.9	10.3	7.8	1.1	0.5	41	3.8	251.9
PLRC0041	30	32	88.9	6.5	3.6	1.4	6.9	1.7	41.3	0.6	39.4	10.7	8.2	1.1	0.5	40.3	3.6	254.6
PLRC0041	32	34	90.5	7.1	4.2	1.8	8	1.8	42.2	0.6	39.4	10.7	7.8	1.2	0.5	42.4	3.6	261.9
PLRC0041	34	36	82.4	7	4.1	1.5	6.9	1.9	38.1	0.6	38	9.6	7.7	1.1	0.5	45	3.8	248.2
PLRC0052	4	6	82.4	5.6	3.4	1.2	6	1.5	42.1	0.5	33.2	9.1	6.5	0.9	0.5	35.8	3.2	231.8
PLRC0052	6	8	78.7	5.7	3.6	1.3	5.8	1.5	42.8	0.6	31.6	9.4	6.3	0.9	0.5	36.2	3.5	228.3
PLRC0052	8	10	95.9	6.2	3.5	1.6	6.6	1.5	51.3	0.5	42.8	12.1	8.8	1.1	0.5	34.9	3.5	270.7
PLRC0052	10	12	145	11.2	5.4	3.6	15.9	2.5	69.3	0.8	75	19	16.3	2.1	0.8	56.8	5.4	429.1
PLRC0052	12	14	147.4	9.9	5.8	2.9	11.7	2.5	57.9	0.9	71.9	19.2	14.4	1.7	0.8	64.6	5.7	417.3
PLRC0052	14	16	86	11.1	7.8	2.2	11.2	3.2	36.7	1.2	40.6	10.6	9.4	1.8	1	83.8	7.2	313.6
PLRC0052	16	18	73.3	16.3	10.6	2.8	15.4	4.4	31.9	1.8	34.9	8.9	10.9	2.5	1.5	130.8	10.7	356.7
PLRC0052	18	20	117.4	14.5	9.3	4.4	18.1	3.7	44.9	1.4	75.4	15.5	23	2.5	1.4	111.5	9.2	452.2
PLRC0052	20	22	79.1	9.6	6.1	1.8	9.1	2.6	37.3	0.8	34.9	9.4	7.7	1.6	0.8	75.4	6	282.2
PLRC0053	10	12	321.8	11.2	5.4	4.1	17.2	2.6	137.8	0.7	146.4	41.8	23.2	2.3	0.8	55.4	5.3	776.1
PLRC0053	12	14	613	11	5.6	4.9	17.9	2.6	299.1	0.7	251.9	81.4	34.9	2.2	0.8	55.5	5.1	1386.6
PLRC0053	14	16	358.7	10.6	5	4.9	19.7	2.2	119	0.7	158.6	40.1	30.6	2.2	0.7	49.2	4.8	807
PLRC0053	16	18	515.9	26.4	12.7	10.5	44.1	6	144.3	2	256.6	57.9	56.5	5.5	1.8	141	12.5	1293.6

Hole ID	mFrom	mTo	CeO_2	Dy_2O_3	Er_2O_3	Eu_2O_3	Gd_2O_3	Ho_2O_3	La_2O_3	Lu_2O_3	Nd_2O_3	Pr_6O_{11}	Sm_2O_3	Tb_4O_7	Tm_2O_3	Y_2O_3	Yb_2O_3	TREO
PLRC0053	18	20	528.2	16.1	6.6	7.3	29.7	3.3	173.6	0.9	194.8	48.9	36.5	3.4	0.9	67.1	6.6	1123.8
PLRC0053	20	22	243.8	6.2	3.6	1.8	8	1.5	82.7	0.6	60.8	17.9	10.2	1.1	0.6	35.8	4.2	478.8
PLRC0053	22	24	176.3	10.3	5.7	3.2	14.1	2.4	78.5	0.9	85.2	21.8	16.3	1.8	0.8	55.5	5.6	478.3
PLRC0053	24	26	337.8	12	6.9	3	14.4	2.9	67.7	1	78.7	19.5	16.9	2.1	0.9	65.4	6.5	635.7
PLRC0053	26	28	417.7	19.1	11	3.8	19.4	4.9	70.3	1.6	81	21.2	18.3	3.1	1.6	131.4	10.5	814.8

Hole ID	mFrom	mTo	Ba	Cr	Cs	Ga	Hf	Nb	Rb	Sc	Sn	Sr	Ta	Th	Ti	U	V	W	Zr
PLRC0023	6	8	578	107	9.4	24	5.7	10.6	179	19.5	4.8	77.9	0.8	18.4	0.5	2.9	149	2.3	211
PLRC0023	8	10	579	94	7.3	20.7	5.5	13.4	154.5	20.6	3.6	61.9	0.9	15.6	0.6	1.9	134	2	206
PLRC0023	10	12	607	97	7.1	20.3	5.5	13.5	155	21.4	3.7	56.8	1	16.3	0.6	2	127	1.7	204
PLRC0023	12	14	597	92	7.3	20.2	5	12.8	158	23.9	3.3	77	1	15.9	0.6	2	142	2.2	193
PLRC0050	8	10	1825	104	10.3	23.2	5.2	8.2	147	14	4.2	117	0.5	17.2	0.4	1.7	145	2	200
PLRC0050	10	12	1065	112	7	15.4	5.2	9.3	104	14.7	3.6	115	0.7	15.3	0.4	1.9	117	2.2	202
PLRC0050	12	14	559	84	6	16.8	5.3	11.5	104.5	17	3.2	71.3	0.8	14.2	0.5	1.6	108	2.2	206
PLRC0050	14	16	1030	87	6.8	17.9	5.7	14.3	120	23.1	3.4	104.5	1	13.5	0.6	2.1	136	3	230
PLRC0050	16	18	705	106	5.9	19.4	5.7	15.4	129	26.8	3.6	52.1	1.1	14.2	0.7	2	135	3.3	218
PLRC0050	18	20	414	88	6.1	16.6	4.9	12.3	103	27	3.3	81.5	0.9	14.1	0.5	2.1	102	2.4	183
PLRC0055	36	38	683	69	11.9	17.4	8.2	16.4	225	17.6	3.3	41.4	1.1	15.7	0.6	3.3	126	2.6	324
PLRC0055	38	40	597	67	8.8	16.2	7.9	15.5	184	16.4	3.1	40.5	1.1	14.8	0.6	3	119	2.7	299
PLRC0055	40	42	708	72	9.8	18.1	8.3	16.8	221	17	3.7	46.2	1.2	16.2	0.6	3.4	125	2.6	325
PLRC0055	42	44	659	78	8.8	17.7	7.8	16.1	206	16.5	3.4	56.3	1.1	14.9	0.6	2.7	128	2.6	300
PLRC0055	44	46	678	75	8.8	18.6	8	16.3	200	19.1	3.3	34.4	1.1	15.5	0.6	3.2	137	3.1	316
PLRC0055	46	48	646	74	8.2	18	7.3	16.3	180	17.6	3.4	52.7	1.1	15.2	0.6	3	135	2.8	286
PLRC0055	48	50	578	73	7.7	17.2	6.5	16.1	164.5	18.4	3.4	70	1.1	14.8	0.6	3.7	125	2.3	273
PLRC0055	50	52	850	77	8.3	18.4	7.3	16.8	173	18.6	3.1	63.4	1.6	15.8	0.6	4.9	136	2.8	279
PLRC0056	8	10	590	102	2.9	22.6	7.1	19.1	75.4	23.8	5.3	21.1	1.3	18.6	0.7	3	141	3.1	270
PLRC0056	10	12	620	86	7.4	21	6.4	17.6	81.9	20.9	4.7	22.1	1.3	19.4	0.6	3.2	134	3.2	241
PLRC0056	12	14	1125	85	25.6	21	6.7	17.7	229	22.3	4.2	31.6	1.3	17.7	0.6	3.1	139	3.1	242
PLRC0056	14	16	370	86	24.4	20.2	6.5	17.8	213	21.6	4.5	33.8	1.2	17.7	0.6	2.9	130	2.9	251
PLRC0056	16	18	416	88	21.1	19.5	5.9	17.1	214	20	4.4	29.9	1.2	17.3	0.6	3.5	128	3	224
PLRC0056	18	20	572	86	24.4	20.1	6.1	17.8	230	20.8	3.9	41.8	1.3	18.2	0.6	3.3	136	3	234
PLRC0056	20	22	642	84	22.4	20.3	6.1	17.3	252	18.5	4.3	54.2	1.3	17.4	0.6	3	134	2.8	234
PLRC0056	22	24	693	87	18.6	19.8	6.2	17.6	253	19.2	3.7	47.3	1.3	17.4	0.6	3.2	132	3	234
PLRC0056	24	26	681	76	18.1	19.6	6	17.5	245	19.2	3.5	50.8	1.3	17.5	0.6	3	125	2.9	233
PLRC0056	26	28	726	75	19.5	18.4	6	15.9	259	16	3.6	80	1.1	16.2	0.5	2.4	122	3.4	237
PLRC0056	28	30	842	74	21.6	18.6	6.3	16.2	249	19.4	3.3	74.4	1.2	17.2	0.6	3.1	116	2.9	254
PLRC0056	30	32	907	73	18.4	19.4	6.5	16.9	264	16.7	3.9	120.5	1.2	17.4	0.6	2.4	119	2.6	248

Hole ID	mFrom	mTo	Ba	Cr	Cs	Ga	Hf	Nb	Rb	Sc	Sn	Sr	Ta	Th	Ti	U	V	W	Zr
PLRC0056	32	34	877	72	17.1	18.8	6.6	16	251	16.7	3.9	77.4	1.3	17	0.5	2.5	115	2.3	253
PLRC0056	34	36	755	65	15.2	16.8	7	15.5	234	13.4	4.1	82.8	1	15.9	0.5	2.2	106	2.6	254
PLRC0059	2	4	855	84	3.8	14	4.9	9.9	73.4	11.3	2.5	860	0.7	12.3	0.4	8	137	2.5	207
PLRC0059	4	6	977	107	3.8	18.2	6.6	14.6	95.4	17.8	3.4	67.4	1	15.6	0.6	2.5	133	3.1	253
PLRC0059	6	8	1480	101	4.5	20.4	6.4	12.6	114	14.7	3.7	148	0.9	15.5	0.5	2.5	135	2.9	244
PLRC0059	8	10	1600	121	5.7	26.3	8.4	14	146.5	27.2	4.7	119.5	1	21.1	0.6	2	171	2.7	303
PLRC0059	10	12	747	99	3.8	19.8	8.5	13.5	111	27.1	3.2	69.1	0.9	20.4	0.6	2.2	131	2.3	318
PLRC0059	12	14	812	116	3.7	20	9.5	16	119	34.2	3.7	124.5	1.1	22.7	0.6	3.6	136	2.9	360
PLRC0059	14	16	939	95	3.6	21.6	8.7	17.8	109.5	31.2	4.4	132.5	1.3	21.7	0.6	3.1	137	2.7	317
PLRC0059	16	18	891	77	3.5	19.4	9.9	16.6	105	28.4	3.7	107	1.2	21.3	0.6	2.9	122	2.6	377
PLRC0059	18	20	886	110	4	23.2	9.3	21.4	138.5	50.8	4.9	151	1.6	21.7	0.9	3.7	207	4.3	341
PLRC0059	20	22	1335	104	3.3	23.5	8	19.2	105	66.3	4.3	275	1.5	21	0.8	4.2	191	3.4	297
PLRC0059	22	24	2110	86	2.5	21.1	6.4	14.4	80.7	79.9	3.1	405	1.1	15.5	0.6	6.7	130	2.9	242
PLRC0059	24	26	1540	66	2.1	15.6	5	12.3	61.5	87.2	3.2	257	0.9	13.4	0.5	6	105	2	181
PLRC0059	26	28	2560	94	2.9	17.6	6.4	15	71.7	66.1	3.3	156	1.1	16.5	0.6	6	122	3	231
PLRC0059	28	30	668	78	2.6	21.2	7.7	17.7	75.6	43.5	4.6	54.6	1.3	18.7	0.7	4.8	134	3	277
PLRC0059	30	32	1100	89	2.9	22.6	7.6	17.4	79.9	56.6	4.3	58.3	1.3	18.9	0.6	4.6	143	3.2	260
PLRC0059	32	34	1320	89	4	21.4	7.7	16.7	105	55	3.7	52.3	1.3	17.9	0.7	4.4	134	3.1	276
PLRC0040	4	6	730	73	7.1	17.4	7.4	14.4	134.5	22.9	3.1	77.6	1.1	14.2	0.6	3.4	117	16.5	255
PLRC0040	6	8	911	74	8.1	18.4	8.3	16.1	157	24	3	95	1.2	15.3	0.6	3.2	138	2.2	280
PLRC0040	8	10	699	71	6.9	17.4	7.3	15.1	145	23.7	2.9	160.5	1.1	15.1	0.6	2.9	126	2.3	262
PLRC0040	10	12	744	71	7.4	16.8	7.2	14.7	145.5	24	3.2	143	1.1	15	0.6	2.7	130	4.1	255
PLRC0040	12	14	596	74	5.8	15.8	7.1	14.2	126.5	22.7	3.5	129	1.1	14.5	0.6	3.3	130	2.2	249
PLRC0040	14	16	791	77	6.4	20.3	7	16.8	122.5	21.3	3.6	83.2	1.2	16.3	0.6	3.6	131	2.5	280
PLRC0040	16	18	691	79	6.1	20.7	7.6	17.6	123.5	22.5	4	136	1.3	16.7	0.7	4.2	133	3.7	295
PLRC0040	18	20	554	80	5.5	21.1	7.9	17.5	116	21.5	3.8	80.9	1.3	16.7	0.7	4.8	138	2.8	315
PLRC0040	20	22	508	91	5.9	23.7	7.6	19.3	117.5	26.9	4	99.7	1.4	17.8	0.7	4.5	156	3.2	310
PLRC0040	22	24	516	94	5.4	22.6	8.1	18.9	124.5	28.6	4.7	158	1.3	18.6	0.7	6.8	155	6.7	325
PLRC0040	24	26	505	94	4.8	20.4	6.1	16.9	122.5	37.6	3.9	135.5	1.2	17.6	0.6	13.2	142	3.2	246
PLRC0040	26	28	506	92	4.8	19.8	5.5	17	115.5	29.6	4.3	300	1.2	16.9	0.6	9.8	142	3.1	230
PLRC0040	28	30	562	114	20.7	27	6.5	19	258	28.6	4.9	71.6	1.5	20.1	0.8	4.6	164	3	252

Hole ID	mFrom	mTo	Ba	Cr	Cs	Ga	Hf	Nb	Rb	Sc	Sn	Sr	Ta	Th	Ti	U	V	W	Zr
PLRC0040	30	32	509	111	27.8	25.1	5.5	17.6	272	23.5	5	53.6	1.4	18.1	0.7	3.4	147	2.8	218
PLRC0040	32	34	481	99	19.6	21.2	5.4	16.3	243	19.4	4.4	78.3	1.2	16.9	0.7	3.1	135	2.3	203
PLRC0040	34	36	511	97	15.2	21.3	4.6	15.7	234	19.2	4.2	61.9	1.2	16.4	0.6	2.7	139	3.2	183
PLRC0040	36	38	454	100	12.3	19.1	4.5	14.9	198	16.8	3.6	34.5	1	15.2	0.6	2.1	122	2.4	176
PLRC0041	6	8	1320	102	6.1	21.5	4.9	16	129.5	21.9	4.3	45.7	1.1	15.9	0.6	3.2	133	2.4	185
PLRC0041	8	10	698	99	5.5	20.6	4.6	15.8	127	23.7	3.7	96.4	1.1	15.8	0.6	4.1	132	3.2	187
PLRC0041	10	12	989	100	7.1	23.6	6	17.6	157.5	27.4	4.6	73.9	1.4	18.7	0.7	3.7	146	3	236
PLRC0041	12	14	679	109	20.3	23.6	5.8	17.6	211	28.7	4.7	83.9	1.3	19.2	0.7	4.1	158	2.9	225
PLRC0041	14	16	791	110	8	22.6	5.6	16.7	152.5	29.6	4.3	79.4	1.2	17.8	0.7	4.9	151	3.5	208
PLRC0041	16	18	655	104	22.7	21.4	6.4	17.1	223	25.8	4.5	141	1.3	17.9	0.7	3.2	154	2.7	237
PLRC0041	18	20	559	102	12.6	20.9	6.1	15.6	185	24.1	4.6	50.5	1.2	16.6	0.6	2.5	138	2.9	222
PLRC0041	20	22	346	110	8.3	15.4	4.2	11.4	117.5	17.3	2.8	40.1	0.8	12.2	0.4	1.5	112	3	158
PLRC0041	22	24	382	110	6.7	13.3	4.1	12.7	115	17.4	3.1	61.7	0.9	12.2	0.5	1.5	108	1.6	163
PLRC0041	24	26	471	102	4.9	12	3	8.4	68.7	13.9	2.2	50.2	0.5	9.6	0.3	2.3	86	1.7	116
PLRC0041	26	28	290	94	4.2	10.6	3.3	7.3	67.8	15	2.1	101.5	0.6	9	0.4	1.3	86	2.4	111
PLRC0041	28	30	259	91	3.4	11.4	3.6	8.7	77.2	13.8	2.1	70	0.7	9.8	0.4	1.4	93	2.1	125
PLRC0041	30	32	348	90	3.8	13.2	4.4	10.5	101	13.8	3	37.9	0.8	12.2	0.5	1.4	94	2.4	155
PLRC0041	32	34	386	97	4.2	15	4.2	13.5	118.5	15.3	3.3	113	0.9	12.1	0.5	1.4	101	3.3	155
PLRC0041	34	36	265	82	2.8	12.7	3.2	8.4	77.1	13.1	2.4	71.9	0.7	9.7	0.4	1.1	101	1.7	112
PLRC0052	4	6	468	73	4.4	15.6	5.6	11.3	99.8	23.2	3.4	70.6	0.9	12.5	0.5	2.6	101	2.6	199
PLRC0052	6	8	748	74	4.3	16	5.3	11.5	100.5	31.8	3.4	60.9	0.9	11.8	0.6	2.3	107	3.1	192
PLRC0052	8	10	973	66	2.9	14.3	4	9.5	67.1	46.5	2.8	67.8	0.7	10.5	0.5	2.3	106	2.2	143
PLRC0052	10	12	1000	80	4.1	16.8	5.2	11	89.4	55	3	82.6	0.9	12	0.6	2.8	117	2.2	182
PLRC0052	12	14	936	86	5.3	15.4	4	11.6	107	49.8	2.8	735	0.9	11.1	0.6	2.5	114	2.6	155
PLRC0052	14	16	451	81	5.9	15.7	4.2	12	136.5	26.6	3.4	327	0.9	11.3	0.6	2.5	112	1.9	155
PLRC0052	16	18	366	74	6	15.3	4.2	10.1	121.5	18	3	145.5	0.8	10.4	0.5	2.6	108	1.9	156
PLRC0052	18	20	423	84	7.9	16.5	5	13.2	134.5	21.6	3.1	738	1	12.8	0.7	3.6	108	3	178
PLRC0052	20	22	406	92	7.1	18.6	4.9	13.4	127.5	17.6	3.6	70.9	1.1	12.7	0.7	2.7	119	2.2	181
PLRC0053	10	12	1060	90	7.4	22.5	8.3	18	181.5	31.6	4.8	300	1.4	18.8	0.6	3.7	141	2.9	321
PLRC0053	12	14	885	89	7.3	24	7.3	19.2	191.5	56.7	4.3	487	1.5	18.7	0.6	3.3	145	3.7	263
PLRC0053	14	16	805	98	5.7	28.1	7.7	18	185.5	34.9	3.7	184	1.3	18.8	0.7	5.3	186	3.8	293

Hole ID	mFrom	mTo	Ba	Cr	Cs	Ga	Hf	Nb	Rb	Sc	Sn	Sr	Ta	Th	Ti	U	V	W	Zr
PLRC0053	16	18	721	87	5.3	26.5	7.3	17.4	173	32.5	4	305	1.3	18.6	0.6	7.8	204	3.7	275
PLRC0053	18	20	301	83	1.7	14.1	5	14.5	55.8	25.6	3.3	470	1.1	13.3	0.5	7.6	134	8.8	196
PLRC0053	20	22	675	77	3.6	19.4	7.5	15	89.6	20.7	4.3	216	1.1	17.2	0.6	6	124	3	279
PLRC0053	22	24	523	91	4	24.7	7.3	19.3	104.5	23	4.9	87.4	1.4	19.1	0.7	5.6	143	2.9	269
PLRC0053	24	26	742	86	4	23.6	6.8	17.2	101	21.9	4.6	37.7	1.4	18.9	0.7	5.2	140	4	250
PLRC0053	26	28	871	86	15.1	24.8	7.3	17.8	159	19.3	4.5	26.7	1.4	18.2	0.7	4.5	135	3	262