ASX Release – 29 July 2026
ASX:MGU, OTCQB: MGUFF

DRILLING AT PALMARES REE PROJECT COMPLETE

HIGHLIGHTS

- RC drilling at the Feirinha Prospect at the Palmares REE Project in Brazil is now complete.
- The final programme comprised **75 RC drill holes** for a total of **1,145m** and was completed under budget.
- All samples have now been sent to ALS laboratory in Brazil for assaying.
- All assay results will be reviewed, interpreted and reported following receipt and completion of quality assurance and quality control procedures.
- The Feirinha REE Prospect has previously returned trench samples up to **1.69% (16,884ppm)** Total Rare Earth Oxides (TREO) and rock samples of up to **1.31% TREO (13,082ppm)** from mapped pegmatite swarms.
- Separately, ongoing drilling at Magnum's Flagship Piracanjuba Prospect at the Azimuth REE Project remains underway, with **~4,400m** of the 10,000m programme drilled to date.
- The drilling programme remains on track to support the delivery of an **Exploration Target by early August** (previously targeted September) and a **JORC Mineral Resource Estimate by November** (subject to exploration results).

Magnum Mining and Exploration Limited (ASX:**MGU**, OTCQB: **MGUFF**) (**Magnum**, or the Company) is pleased to advise that it has completed its RC drilling programme at the Company's 100%-owned Palmares REE Project in Bahia State, Brazil (Figure 1).

Figure 1 – Location Map – Azimuth REE Project & Palmares REE Project.

PALMARES REE PROJECT - DRILLING PROGRAMME COMPLETE

Magnum has completed its RC drilling programme at the Palmares REE Project, comprising of 75 RC holes and 1,145m. 5 holes were completed at the northern portion of the Palmares REE Project, and the remaining 70 holes were drilled at the Feirinha Prospect (Figure 2).

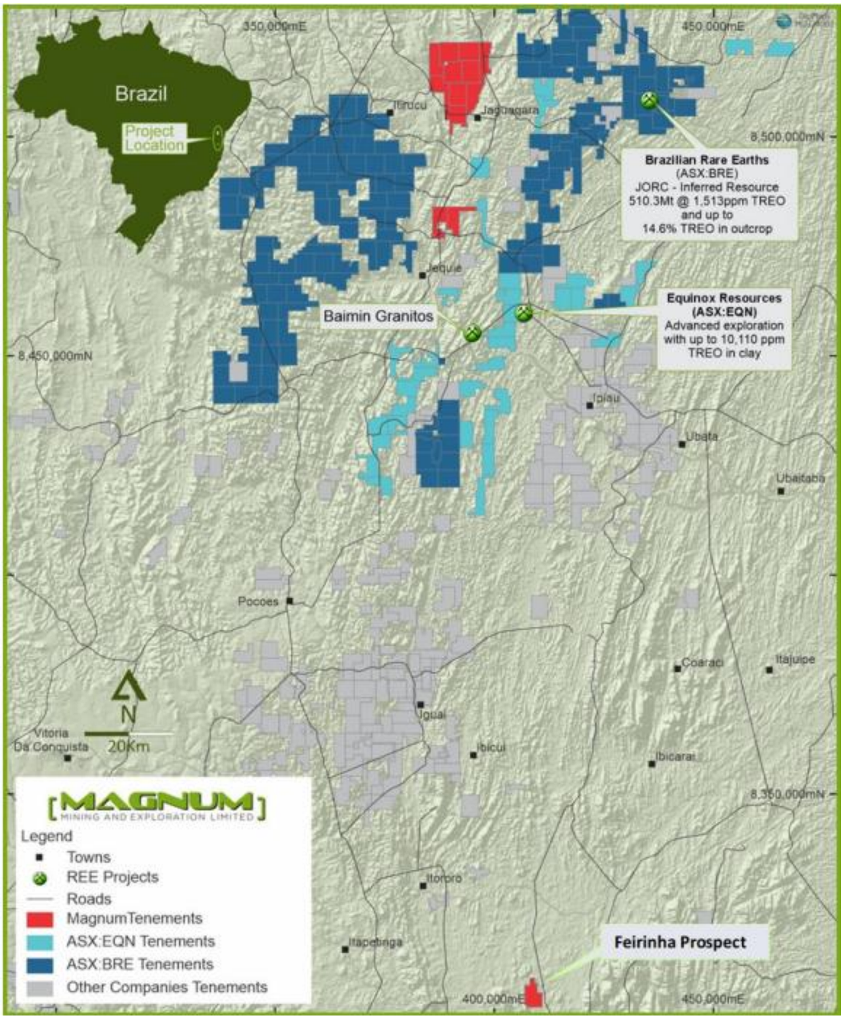

Figure 2 – The Palmares Project covers part of the Jequie Belt of metamorphosed intrusives in Bahia State, a highly mineralised belt that is an emerging REE province. The Feirinha Prospect is highlighted.[1]

The drilling programme was revised downwards from the previously planned 143-hole, 2,145m programme due to the prioritisation of drilling at the Company's Azimuth REE Project, which remains underway. Further, the 75 completed RC holes were considered sufficient to test the priority areas identified for the current phase of exploration. When adjusted for the reduction in planned holes and metres drilled, the programme was completed approximately 30% under budget.

The RC drilling programme focused heavily on the Feirinha REE Prospect, which has previously returned trench samples up to **1.69% (16,884ppm)** Total Rare Earth Oxides (TREO) and rock samples of up to **1.31% TREO (13,082ppm)** from mapped pegmatite swarms (Figures 3-4).[2] The drilling programme was undertaken to assess the lateral continuity and depth extent of rare earth element (REE) mineralisation identified through previous surface and trench sampling.

All samples have been sent to ALS laboratory in Brazil for assaying. All assay results will be reviewed, interpreted and reported following receipt and completion of quality assurance and quality control procedures. Magnum anticipates completing this process within one week.

[1] Refer to ASX release, "*Two Rig Drill Programme Commences Over High-Grade Feirinha REE Prospect*", 1 December 2025

[2] Refer to ASX release, *"REE Drilling and Exploration Activities Update"*, 6 January 2026

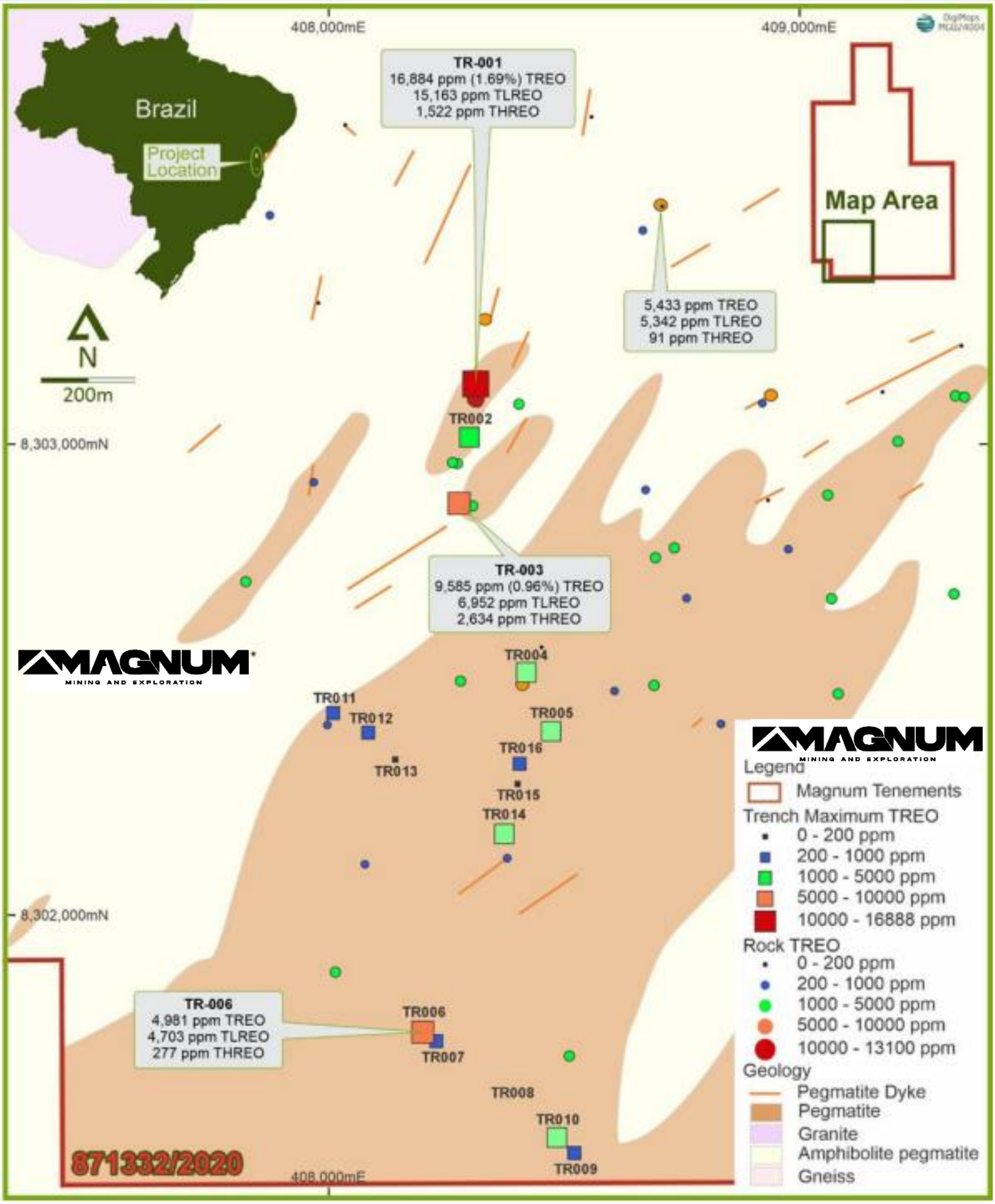

Figure 3 - Summary of geochemistry results from the Feirinha Prospect. “TR” designation shows trench locations.[3]

[3] Refer to ASX release, *“REE Drilling and Exploration Activities Update”*, 6 January 2026

Figure 4 – Exposed pegmatite dyke in Trench TR-001. This is one dyke of a swarm of similar dykes mapped at the Feirinha Prospect.[4]

AZIMUTH REE PROJECT - PIRACANJUBA NORTH DRILLING PROGRAMME UPDATE

A 10,000m auger drilling programme remains underway at the Piracanjuba Prospect, located at Magnum's flagship and wholly-owned Azimuth REE Project in Goiás, Brazil (Figure 1). To date, 4,400m of drilling has been completed. Magnum expects to regularly report batches of assay results as the drilling programme advances.

Piracanjuba represents the Company's flagship prospect and an emerging greenfield Ionic Adsorption Clay (IAC) REE discovery, which is associated with a 116km^2 geophysical footprint.[5] The drilling programme at Piracanjuba remains on track to support the delivery of an **Exploration Target by early August** (accelerated from the previous September target) and a **JORC Mineral Resource Estimate by November** (subject to exploration results).

[4] Refer to ASX release, "*Magnum Funded Corporate Strategy Presentation*", 23 October 2025
[5] Refer to ASX release, *"MINERALISED FOOTPRINT GROWS WITH COMPELLING REE DESORPTION"*, 8 July 2026

CAUTIONARY STATEMENTS

This release contains "forward-looking information" that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to studies, the Company's business strategy, plan, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'likely',' believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this news release are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information.

Forward-looking information is developed based on assumptions about such risks, uncertainties and other factors set out herein, including but not limited to general business, economic, competitive, political and social uncertainties; the actual results of current development activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of metals; failure of plant, equipment or processes to operate as anticipated; accident, labour disputes and other risks of the mining industry; and delays in obtaining governmental approvals or financing or in the completion of development or construction activities. This list is not exhaustive of the factors that may affect our forward-looking information. These and other factors should be considered carefully, and readers should not place undue reliance on such forward-looking information.

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NO NEW INFORMATION

The information in this announcement as footnoted throughout the release and as noted below relates to exploration results that have been released previously on the ASX. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings is presented have not been materially modified from the original market announcements.

ASX ANNOUNCEMENTS REFERENCED DIRECTLY IN THIS RELEASE

- "REE Drilling and Exploration Activities Update" released on the ASX on 6 January 2026 and available on the Company's website: https://www.mmel.com.au/asx
- "Two Rig Drill Programme Commences Over High-Grade Feirinha REE Prospect" released on the ASX on 1 December 2025 and available on the Company's website: https://www.mmel.com.au/asx
- "Magnum Funded Corporate Strategy Presentation" released on the ASX on 23 October 2025and available on the Company's website: https://www.mmel.com.au/asx
- "MINERALISED FOOTPRINT GROWS WITH COMPELLING REE DESORPTION", released on the ASX on 8 July 2026 and available on the Company's website: https://www.mmel.com.au/asx

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