ASX ANNOUNCEMENT

21 April 2026

DRILLING COMMENCES AT THE IRONBACK HILL REE PROJECT

HIGHLIGHTS:

- **Drilling commences:** Air core drilling has now commenced following mobilisation of contractors and equipment, with activities delayed due to a major rain event and associated flooding in the region.
- **Target:** Drilling is targeting shallow clay horizons associated with local creek and drainage systems, interpreted to correspond with REE mineralisation.
- **Program scope:** Up to 2,000m of air core drilling is planned to test the lateral and downstream extent of mineralisation and provide additional samples for geological and metallurgical assessment.

Tim Dobson, Managing Director, said:

"While mobilisation and site access were temporarily impacted by significant rainfall and flooding in the region, we are pleased to now have site access restored and drilling underway. Commencing drilling at Ironback Hill is an important step in advancing this emerging REE prospect. This relatively small, phased program is designed to test the spatial extent of the clay-hosted mineralisation and the geological controls that influence its occurrence, while also generating additional samples to support geological modelling and ongoing mineralogical and metallurgical assessment.

This work reflects Magnetite Mines' disciplined, capital-light approach to exploration and aligns with our multi-commodity strategy, while the Razorback Iron Ore Project remains the Company's flagship development project."

Magnetite Mines Limited (ASX:MGT) is pleased to report that air core drilling has now commenced at the Company's 100% owned Ironback Hill REE Project in north-east South Australia, located south of the Razorback Iron Ore Project, following a delay caused by a major rain event and associated flooding in the region, which temporarily restricted site access.

The drill program is designed to test the extent and geological controls on near-surface, clay-hosted REE mineralisation previously identified through re-assaying archived drill samples from historical iron ore drilling.[1,2,3] The program will focus on step-out drilling along priority creek and drainage corridors, where the Company's geological model indicates mineralisation may extend downstream and laterally beyond the limited historical drill footprint.

The planned program comprises up to 2,000m of air core drilling and represents a disciplined, capital-light and phased approach to exploration. The initial focus is to determine the spatial extent, thickness and continuity of the REE-bearing clay horizons, while also generating representative samples to support geological modelling and preliminary mineralogical and metallurgical assessment. Results will be incorporated into the Company's geological model to guide any follow-up work.

Figure 1. Air core drill rig, drilling at the Ironback Hill REE Prospect

IRONBACK HILL REE PROJECT

In August 2025, Magnetite Mines identified near-surface, clay-hosted REE mineralisation at Ironback Hill through re-assaying archived reverse circulation (RC) drill samples originally collected during iron ore drilling undertaken in 2011–2012.[1,2] Further results were subsequently reported in November 2025.[3]

The Ironback Hill REE prospect is located within EL 6126 in the Braemar Iron Region, approximately 250km north-east of Adelaide and 12km south of the Company's flagship Razorback Iron Ore Project. The mineralisation occurs adjacent to the Ironback Hill magnetite iron ore deposit, within tenements held by Ironback Pty Ltd, a wholly owned subsidiary of Magnetite Mines.

REE mineralisation has been interpreted within shallow oxidised clay and silt horizons developed above weathered basement, commonly aligned with local creek and drainage systems. This supports the Company's working model that REEs were concentrated in zones of enhanced weathering and fluvial reworking.

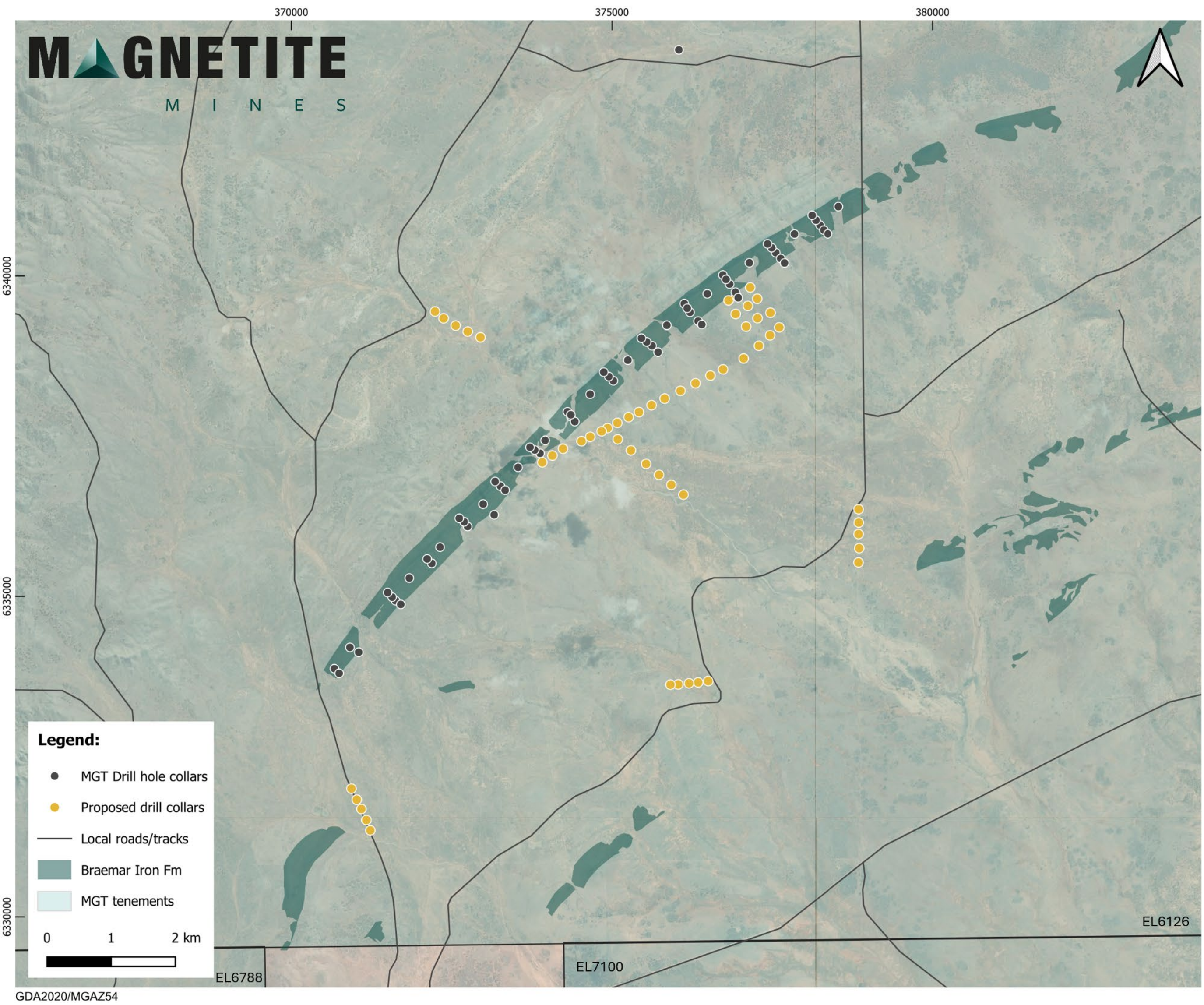

Figure 2. Planned air core drilling locations (orange)

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

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ABOUT MAGNETITE MINES

Magnetite Mines Ltd is an ASX-listed iron ore company focused on the development of magnetite iron ore resources in the highly prospective Braemar Iron Formation of South Australia. The Company holds a 100%-owned Mineral Resource of 6.6 billion tonnes of iron ore[4-7] and is developing the Razorback Iron Ore Project, located 240km from Adelaide. Razorback is one of the few undeveloped magnetite projects globally capable of producing premium Direct Reduction (DR) grade concentrate at scale — a key feedstock for green iron and lower-emissions steelmaking — positioning the Company to benefit from growing demand for high-purity iron ore products. In addition, the Company holds a substantial South Australian tenement portfolio prospective for rare earth elements (REE), copper, silver, and gold. This provides disciplined exposure to critical minerals aligned with global electrification and decarbonisation trends. For more information visit magnetitemines.com.

REFERENCES

1. ASX:MGT 19/08/2025 Rare Earths Mineralisation Identified at Ironback Hill
2. ASX:MGT 20/11/2018 Ironback Hill Deposit - JORC 2012 Resource Update
3. ASX:MGT 18/11/2025 Additional Rare Earths Confirmed, Drilling Planned
4. ASX:MGT 30 Jun 2025 Razorback Iron Ore Project 2025 Mineral Resource Update
5. ASX:MGT 09 Feb 2023 Iron Peak Mineral Resource Significantly Improved
6. ASX:MGT 03 Nov 2022 Muster Dam Mineral Resource Estimate
7. ASX:MGT 20 Nov 2018 Ironback Hill Deposit - JORC 2012 Resource Update