

ASX RELEASE 2 DECEMBER 2025

Drilling Underway at Harts Range Heavy Rare Earth and Niobium Project, NT

- 2,500m RC drilling underway at Harts Range targeting dysprosium–terbium–rich HREE systems
- The campaign comprises up to 46 reverse circulation (RC) holes, targeting multiple high-priority anomalies defined through regional geophysics, detailed geological mapping and surface geochemistry completed by the NFM team over the past 12 months
- The campaign is designed to test the depth extension of the heavy rare earth mineralisation, with particular attention to dysprosium and terbium — critical elements in high-performance permanent magnets used in electric vehicles, wind turbines, and advanced defence technologies

New Frontier Minerals Limited (ASX: NFM) (“New Frontier” or “the Company”) is pleased to announce the commencement of its maiden ~2,500m reverse-circulation (RC) drill program to test the depth extensions of the near surface mineralisation at the Harts Range Heavy Rare Earths and Niobium Project, located 140km north-east of Alice Springs in the Northern Territory.

Chairman Gerrard Hall commented: *“This marks an exciting milestone for New Frontier Minerals as we commence our maiden drill program at Harts Range. The project has already returned outstanding heavy rare earth and niobium grades at surface, including high-value dysprosium and terbium, highlighting its strong potential.*

Our reverse circulation (RC) program is specifically designed to test the depth continuity of these mineralised systems and assess the scale of the high-grade HREE nature of the mineralisation identified to date. With all approvals secured, the team is well positioned to deliver meaningful technical results. We anticipate drilling will be completed before the end of the year, with assay results expected early in the new year.”

MAIDEN DRILLING CAMPAIGN

The RC drilling campaign will comprise up to 46 drill-holes for ~ 2,500m to test the numerous prospects that have been identified from the exploration activities undertaken at Harts Range over the past 12 months (Figure 1).

With logistics and site preparation complete, GeoDrill have mobilised to site and commenced the maiden drill program which has been designed to test depth extensions to the near-surface zones of high-grade heavy rare earth and niobium mineralisation, identified from field campaigns (Figure 2).

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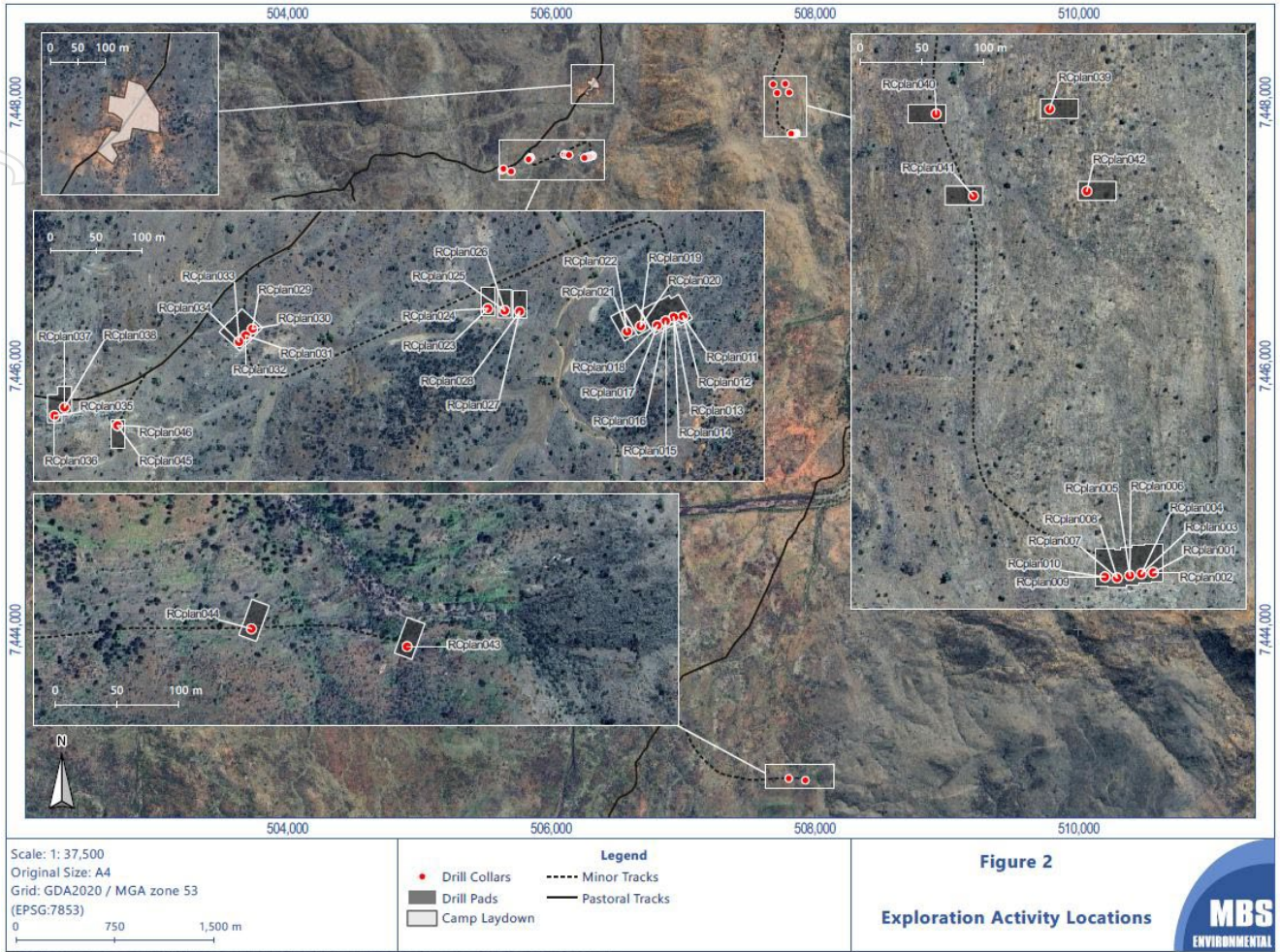


Figure 1: Prospects and planned RC drill-hole locations at Harts Range Project



Figure 2: GeoDrill reverse circulation drill rig at Harts Range

ENDS

This announcement was approved for release by the Board of New Frontier Minerals Limited.

REFERENCES

- 1) NFM ASX Release “Harts Range continues to deliver Heavy Rare Earth Mineralisation at surface” – 24 July 2025

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About New Frontier Minerals

New Frontier Minerals Limited is an Australian-based focussed explorer, with a strategy to develop multi-commodity assets that demonstrate future potential as an economic mining operation. Through the application of disciplined and structured exploration, New Frontier has identified assets deemed core and is actively progressing these interests up the value curve. Current focus will be on advancing exploration activity at the Harts Range Niobium, Uranium and Heavy Rare Earths Project which is circa 140km north-east from Alice Springs in the Northern Territory.

Other interests include the NWQ Copper Project, situated in the copper-belt district circa 150km north of Mt Isa in Queensland.

New Frontier Minerals is listed on the LSE and ASX under the ticker “NFM”.

Competent Persons Statement

The scientific and technical information in this announcement, which relates to exploration results and the geology of the deposits described, is based on information compiled and approved for release by Mark Biggs. Mark Biggs is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM Member # 107188) and meets the requirements of a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012 Edition). Mark Biggs has 35 years of experience relevant to Rare Earth Elements (REE), industrial mineral copper mineralisation types, as well as expertise in the quality and potential mining methods of the deposits under consideration. Additionally, he has 25 years of experience in the estimation, assessment, and evaluation of exploration results and mineral resource estimates, which are the activities for which he accepts responsibility. He also successfully completed an AusIMM Online Course Certificate in 2012 JORC Code Reporting. Mark Biggs is a consultant with ROM Resources and was engaged by New Frontier Minerals Limited to prepare the documentation for several prospects, specifically those within the Harts Range Prospects upon which the Report is based. Mr Biggs consents to the inclusion in this announcement of the matters based on his information and supporting documents in the form and context in which it appears.

Furthermore, the full nature of the relationship between himself and New Frontier Minerals Limited has been disclosed, including any potential conflicts of interest. Mark Biggs is a director of ROM Resources, a company that is a shareholder

of New Frontier Minerals Limited, and ROM Resources provides occasional geological consultancy services to New Frontier Minerals Limited.

The Report or excerpts referenced in this statement have been reviewed, ensuring that they are based on and accurately reflect, in both form and context, the supporting documentation relating to exploration results and any mineral resource estimates. The release of the Report and this statement has been consented to by the Directors of New Frontier Minerals Limited.

Forward Looking Statements

Certain information in this document refers to the intentions of New Frontier Minerals Ltd, but these are not intended to be forecasts, forward-looking statements, or statements about future matters for the purposes of the Corporations Act or any other applicable law. The occurrence of events in the future is subject to risks, uncertainties and other factors that may cause New Frontier Minerals Ltd's actual results, performance, or achievements to differ from those referred to in this announcement. Accordingly, New Frontier Minerals Ltd, its directors, officers, employees, and agents, do not give any assurance or guarantee that the occurrence of the events referred to in this announcement will occur as contemplated. The interpretations and conclusions reached in this announcement are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for complete certainty. Any economic decisions that might be taken based on interpretations or conclusions contained in this announcement will therefore carry an element of risk. The announcement may contain forward-looking statements that involve several risks and uncertainties. These risks include but are not limited to, economic conditions, stock market fluctuations, commodity demand and price movements, access to infrastructure, timing of approvals, regulatory risks, operational risks, reliance on key personnel, Ore Reserve and Mineral Resource estimates, native title, foreign currency fluctuations, exploration risks, mining development, construction, and commissioning risk. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward-looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

ASX Listing Rule 5.23.2

New Frontier Minerals Ltd confirms that it is not aware of any new information or data that materially affects the information included in this market announcement and that all material assumptions and technical parameters underpinning the estimates in this market announcement continue to apply and have not materially changed.