NEW FRONTIER MINERALS

ASX: NFM | OTCQB: NFMXF | LSE: NFM

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NFM Accelerates Harts Range Exploration Following District-Scale Validation

- **NFM's geological team will return to the Harts Range Project in July 2026 to commence the next phase of field activities, including systematic evaluation of high-priority exploration targets across the project area**
- **Of the 46 priority geophysical targets identified by Southern Geoscience Consultants, only six have been drill-tested to date, leaving 40 high-priority targets available for follow-up exploration [1]**
- **The upcoming field programme will prioritise the Kings Cross Prospect, a prominent magnetic anomaly measuring approximately 150–200 metres in diameter and extending to a similar depth [4]**
- **Field activities at Kings Cross will include detailed geological mapping, rock-chip sampling and ground-truthing to refine the geological model and assess the source of the magnetic anomaly**
- **Recent BHP Xplor-backed research released by Litchfield Minerals (ASX: LMS) reframes the broader Harts Range as an emerging district-scale Copper-Nickel-PGE mineral system with significant discovery potential [3]**
- **The Harts Range region remains highly prospective for HREE, Niobium and Tungsten mineralisation, reinforcing the strategic significance of New Frontier's extensive tenure position**

New Frontier Minerals Limited (ASX: **NFM**) **("NFM"** or **"New Frontier")** is pleased to advise that its geological field teams will return to the Harts Range Heavy Rare Earths and Niobium Project ("Harts Range" or the "Project"), located approximately 140 km north-east of Alice Springs in the Northern Territory. With only six of approximately 46 priority targets drill-tested to date, the upcoming field programme will focus on advancing the assessment of the approximately 40 remaining untested targets, with initial activities centred on the high-priority Kings Cross Prospect.

Chairman Gerrard Hall commented: *"With only six of our forty-six priority targets drill-tested to date, we have recommenced our field activities at Harts Range. The return of our field team in July will allow us to systematically validate the remaining targets, with Kings Cross, Bank and Cusp prospect where we have already identified encouraging tungsten mineralisation in rock chip samples and RC drilling.*

At the same time, recent BHP Xplor-backed research released by Litchfield Minerals has reframed the broader Harts Range as a district-scale Copper-Nickel-PGE mineral system, independently validating our long-held view of the region's prospectivity. Our strategic landholding across this emerging mineral province provides exposure to numerous high-priority exploration targets, and we are increasingly encouraged by the geological potential demonstrated across the project area".

FOLLOW UP OF HARTS RANGE PRIORITY GEOPHYSICAL TARGETS

The Harts Range Project hosts approximately 46 priority geophysical targets, defined by Southern Geoscience Consultants (SGC) through integrated interpretation of airborne magnetic and geophysical signatures – including discrete magnetic features, structural intersections and radiometric responses – considered prospective for the Project's primary commodity suite of heavy rare earth elements (HREE), niobium and tungsten. [1]

To date, only 6 of these 46 targets have been drill-tested, through the New Frontier's maiden reverse-circulation (RC) scout programme completed in early 2026.[2] With approximately 40 priority targets remaining untested, evaluation of the Project's target inventory is at an early stage, and New Frontier's geological field teams will return to site in July 2026 to systematically advance the pipeline. The untested 40 out of 46 represents substantial exploration potential.

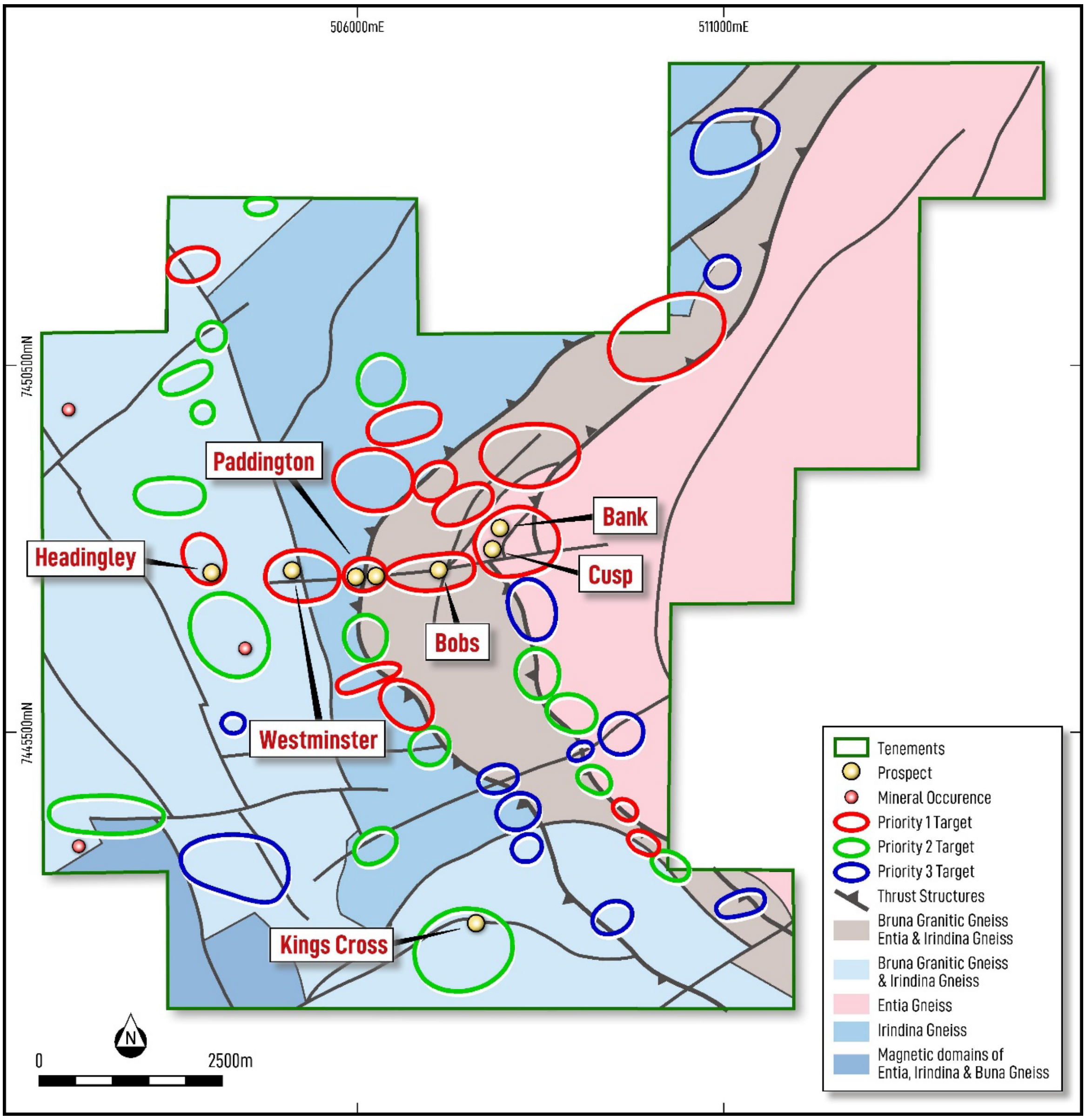


Figure 1: Priority targets over lithological domain and structural interpretation image (Source: Southern Geoscience Consultants) [5]

HARTS RANGE EXPLORATION PROGRAMME

The July 2026 field programme is designed to build systematically on these early results through targeted mapping, rock-chip and soil sampling, and the prioritisation of targets for potential future drill-testing.

A key focus for the upcoming programme is the Kings Cross Prospect, located in the south of EL32513 (Figure 2). Recent airborne geophysical surveys identified a prominent local magnetic anomaly at Kings Cross (507884 mE, 7442739 mN; GDA94, MGA Zone 53), which preliminary review by Southern Geoscience Consultants interprets as a large, discrete magnetic feature approximately 150 to 200 m in diameter and extending to a similar depth.

The anomaly is spatially associated with a prominent east-west-trending fault mapped from 1:10,000 geophysical interpretation. Kings Cross remains an untested, high-priority target, and New Frontier's geological field team will return to site next month to further assess the prospect for polymetallic prospectivity [4].

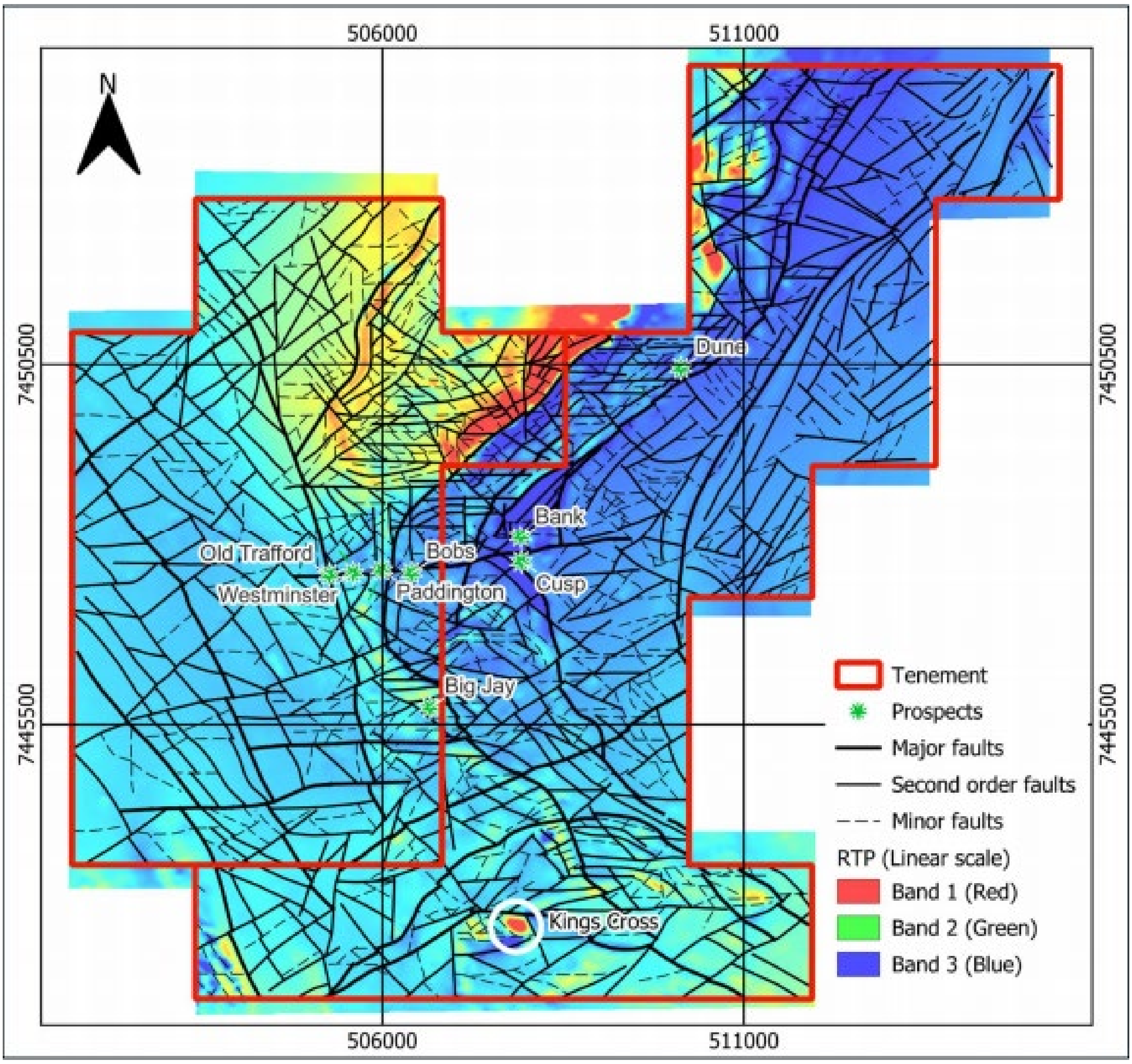


Figure 2: RTP magnetics over EL32513 highlighting the Kings Cross magnetic anomaly

GEOPHYSICAL OBSERVATIONS AND INTERPRETATION

New Frontier's upcoming field programme will include detailed geological mapping and surface sampling of the Kings Cross prospect, which has been identified as a compelling magnetic anomaly hosted within a calc-silicate package. A review of the geophysical data by Southern Geoscience Consultants has highlighted a complex, potentially remanently magnetised magnetic feature located to the east of the prospect as the primary exploration target. Several additional magnetic features to the west and southwest have also been identified as secondary targets.

The Company believes these magnetic anomalies should be readily identifiable in the field and that systematic geological mapping and geochemical sampling will be critical in determining the source of the anomalism and assessing its significance for mineralisation. Understanding the nature of the magnetic unit and any associated alteration systems will provide an important foundation for evaluating the prospect's mineral potential and may support the implementation of follow-up geophysical surveys, including electromagnetic (EM) methods. The target exhibits similarities to the nearby Jervois mineral field, where mineralisation is associated with complex magnetic signatures that include a component of magnetic remanence[6].

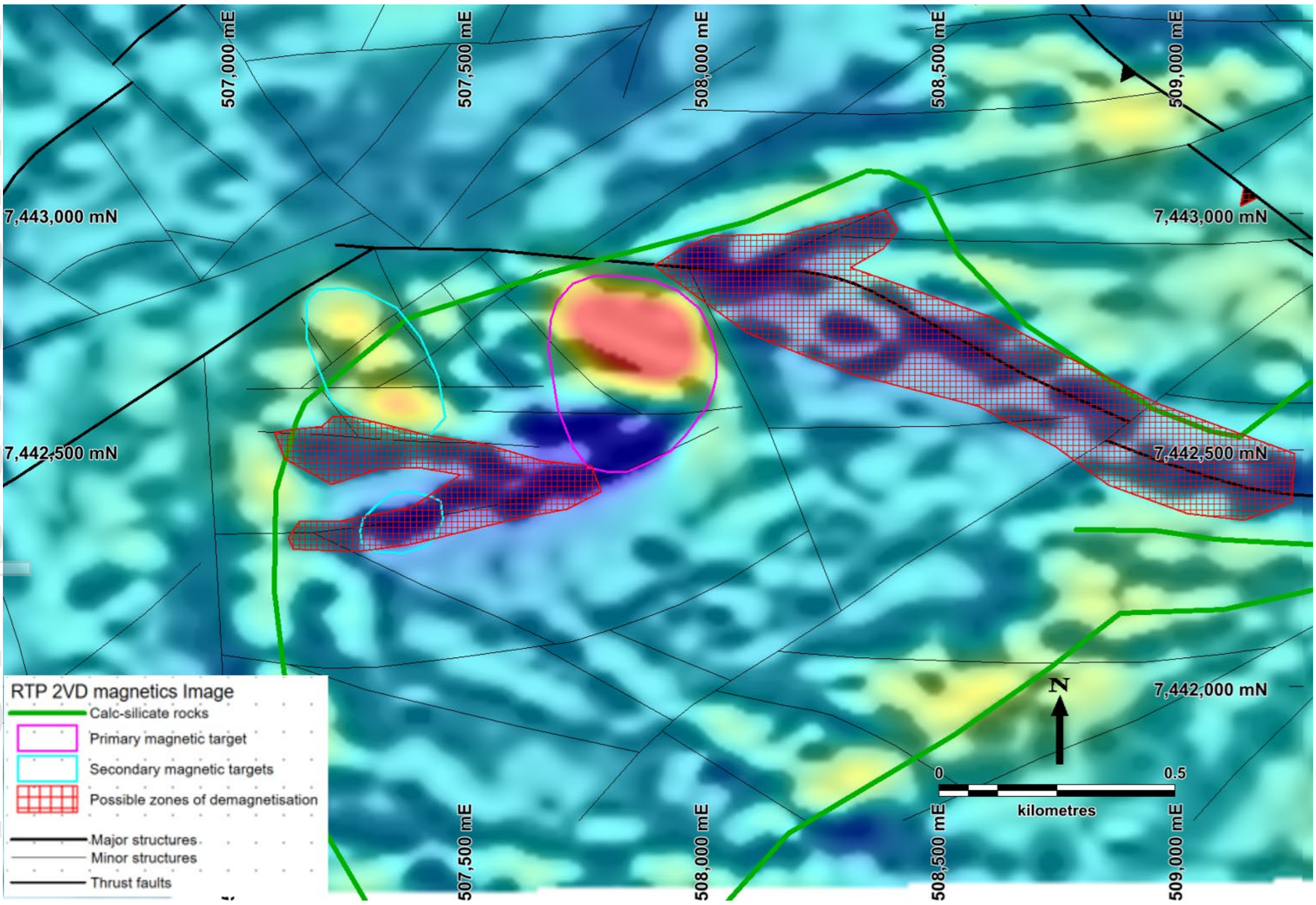
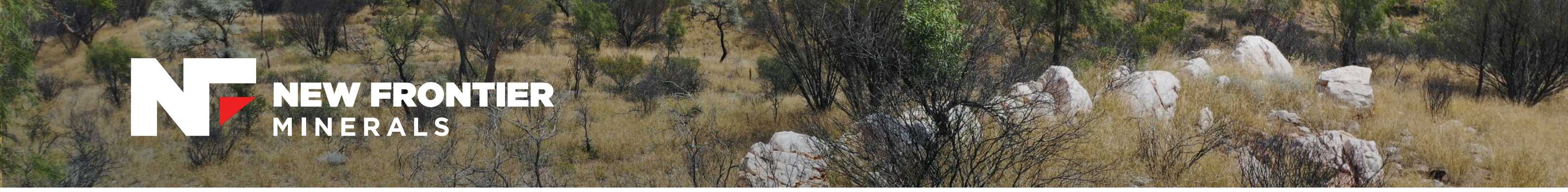


Figure 3: RTP magnetics highlighting the primary Kings Cross magnetic anomaly



BHP X-PLOR BACKED RESEARCH REFRAMES HARTS RANGE FOR DISTRICT-SCALE MINERAL POTENTIAL

Recent BHP Xplor-backed research released by Litchfield Minerals has highlighted the broader Harts Range region as a district-scale copper-nickel mineral system with significant discovery potential[3]. The research provides important regional validation of the mineral endowment of the belt that hosts New Frontier's Harts Range Project. The findings validate the prospectivity of New Frontier's largely untested tenure position and supports the assessment of several priority targets. This includes the Kings Cross magnetic anomaly, where upcoming field activities will focus on refining the geological model and evaluating its potential significance within the broader district-scale mineral system[3].

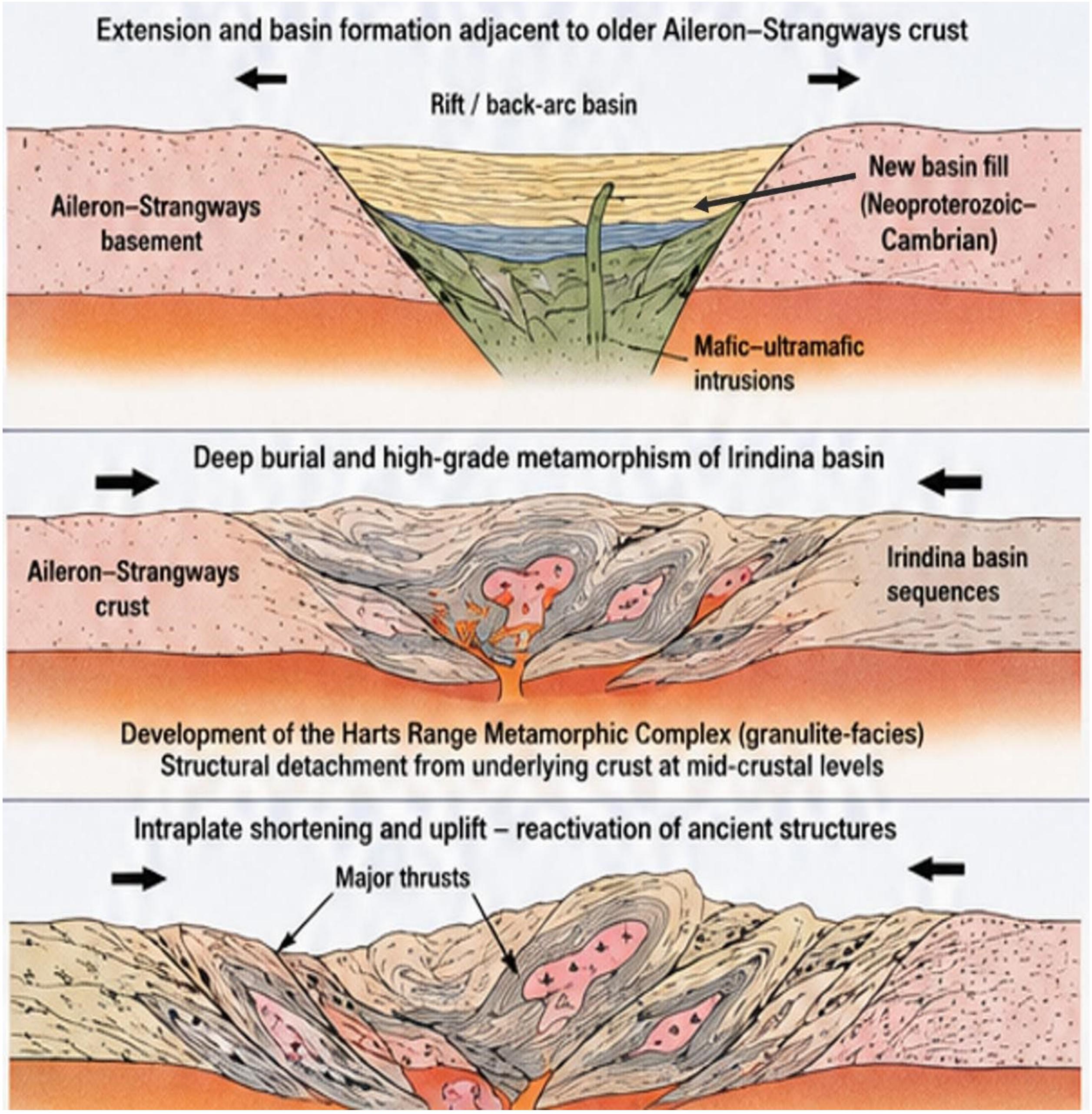


Figure 4: Conceptual model of Irindina Basin development representing mantle-tapping structures, mafic-ultramafic intrusion, basin inversion and later uplift (Source: Litchfield Minerals Ltd, adapted from PGN Geoscience Interpretation) [3]

NEXT STEPS

NFM's July 2026 field programme to include:

- Mobilisation of NFM geological field team to Harts Range in early July 2026, with a focus on mapping and surface sampling at the Kings Cross magnetic anomaly in the south of EL32513
- Continue to undertake systematic evaluation and exploration of the remaining 40 untested priority geophysical targets
- Mapping, sampling and assay results to be reported as they become available

REFERENCES

1. New Frontier Minerals Limited, 2025. *Geophysical interpretation identifies 46 HREE-Nb-U priority targets at Harts Range, NT*. ASX Announcement, 31 March 2025.
2. New Frontier Minerals Limited, 2026. *Tungsten at Harts Range and Pomme REE Advances*. ASX / LSE Announcement, 6 March 2026.
3. Litchfield Minerals Limited (ASX: LMS), 2026. *Harts Range: Defining a New Copper-Nickel Discovery District*. ASX Announcement, 18 June 2026. Research relates to Litchfield's own tenure in the Harts Range region and is cited as regional geological context only; it does not constitute exploration results on New Frontier's tenements.
4. New Frontier Minerals Limited. (2026). Quarterly report period ending 31 March 2026. New Frontier Minerals Limited.
5. Southern Geoscience Consultants 2025, Harts Range – Structural Interpretation of Geophysical Data (1:10,000 Scale), Report SGC4562, prepared for New Frontier Minerals Ltd, April 2025.
6. Whiting, T.H. (1986). Aeromagnetics as an aid to geological mapping – a case history from the Arunta Inlier, Northern Territory, Australia. Australian Journal of Earth Sciences, 33(2), 271–286.

ENDS

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

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About New Frontier Minerals

New Frontier Minerals Limited is an Australian-based focused explorer, exploring for the critical minerals and base metals required to power a more electrified and sustainable future. New Frontier holds a strategic portfolio of rare earth, niobium and copper assets in Australia and Canada, which includes the Harts Range Heavy Rare Earths and Niobium Project in the Northern Territory, the NWQ Copper Project in Queensland. Other interests include the Pomme REE Project, situated in Quebec, Canada. These commodities are expected to play an increasingly important role in supporting global decarbonisation, energy security and technological advancement.

Competent Persons Statement

The scientific and technical information in this announcement, which relates to exploration targets, exploration results, preliminary sequential metallurgical 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 Northwest Queensland, Harts Range and Pomme Projects upon which the Report is based.

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. 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.

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 Limited'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 the market announcement and that all material assumptions and technical parameters underpinning estimates in this market announcement continue to apply and have not materially changed.