

## Scandium diamond drilling underway at Murga

### Highlights

- **First ever diamond drilling program underway at Murga Exploration Target to obtain metallurgical samples of laterite – hosted scandium mineralisation, and to investigate the scandium prospectivity of underlying fresh basement**
- **2 diamond holes (up to 400 metres) to be drilled and follows on from a recently completed infill air core drilling program (61 holes / 1,311m), the assay results for which are due shortly**
- **Diamond drilling to be completed by Christmas with logging and sampling to be completed during January 2025**

Rimfire Pacific Mining (**ASX: RIM**, “Rimfire” or “the Company”) is pleased to advise that as forecast, diamond drilling is underway at the Murga Exploration Target which is located approximately 70 km NW of Parkes in central NSW (*Figure 1 and Rimfire’s ASX Announcement dated 14 November 2024*).

**Commenting on the announcement, Rimfire’s Managing Director Mr David Hutton said:** *“With final scandium assay results from the recently completed infill air core drilling due shortly, we have commenced a 300-metre diamond drilling program to obtain bulk samples of scandium – mineralised laterite material, and to investigate the scandium prospectivity of the underlying fresh basement rocks at Murga.*

*This is the first diamond drilling undertaken at Murga and our geological team are very keen to see what the drill bit reveals.*

*We expect to complete the diamond drilling by Christmas with subsequent geological logging and sampling to be completed during January 2025.*

*The results of both programs will be instrumental in planning further work programs as we work towards converting the Murga Exploration Target into a Mineral Resource Estimate by the end of the 24/25 Financial year”.*



RIMFIRE PACIFIC MINING LTD

ASX: RIM

“Critical Minerals Explorer”

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## Murga Exploration Target drilling details

At Murga scandium occurs within a strongly weathered horizon overlying magnetic ultramafic (pyroxenite) intrusive rocks of the Ordovician-age **Murga Intrusive Complex** interpreted to be part of a large scale arcuate shaped mafic – ultramafic intrusive complex that has a surface area of approximately 20km<sup>2</sup> (*Figure 2*).

Rimfire has previously announced a Mineral Resource estimate of 21Mt @ 125ppm Sc (4,050t Scandium Oxide) for Murga North\* and an Exploration Target for the surrounding Murga area (excluding the Murga North Mineral Resource) of 100 to 200Mt at 100 to 200ppm Sc (15Kt – 46Kt Scandium Oxide)\*\*. (*Rimfire ASX Announcement dated 5 September 2024*).

The Exploration Target is based on an outline of the scandium-bearing pyroxenite interpreted from aeromagnetic data and results of Rimfire’s 2024 reconnaissance air core drilling (on nominal 400m x 400m centres).

Rimfire is now working to convert the Exploration Target to a Mineral Resource Estimate and has recently completed an initial phase of infill air core drilling (61 holes / 1,311 metres), the assay results for which are due shortly.

Rimfire has now commenced a 2-diamond hole (up to 400 metres) drilling program at Murga to obtain bulk samples of scandium – mineralised laterite material, and to investigate the scandium prospectivity of the underlying fresh basement rocks at Murga (*Figures 2 – 3, and Table 1*). Hole locations were determined based on geological rock types encountered in the air core drilling and magnetic interpretation.

Both drilling programs are sole funded by Rimfire with the results to underpin the planning of further programs as we work towards converting the Murga Exploration Target into a Mineral Resource Estimate by the end of the 24/25 Financial year.

***\*Rimfire also confirms that it is not aware of any new information or data that materially affects the information included in the 9 September 2024 ASX announcement, and that all material assumptions and technical parameters underpinning the estimates in that ASX announcement continue to apply and have not materially changed.***

***\*\*Cautionary Statement: The potential quantity and grade of the Exploration Target is conceptual in nature and there has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource.***

**Table 1: Murga Diamond drilling specifications**

Hole Id	Easting	Northing	Planned Depth	Datum	Azi°	Dip°
MS_DD1	540,309	6,367,862	150 – 200m	GDA94_Zone 55	0	-55
MS_DD2	539,933	6,369,652	150 – 200m	GDA94_Zone 55	20	-55

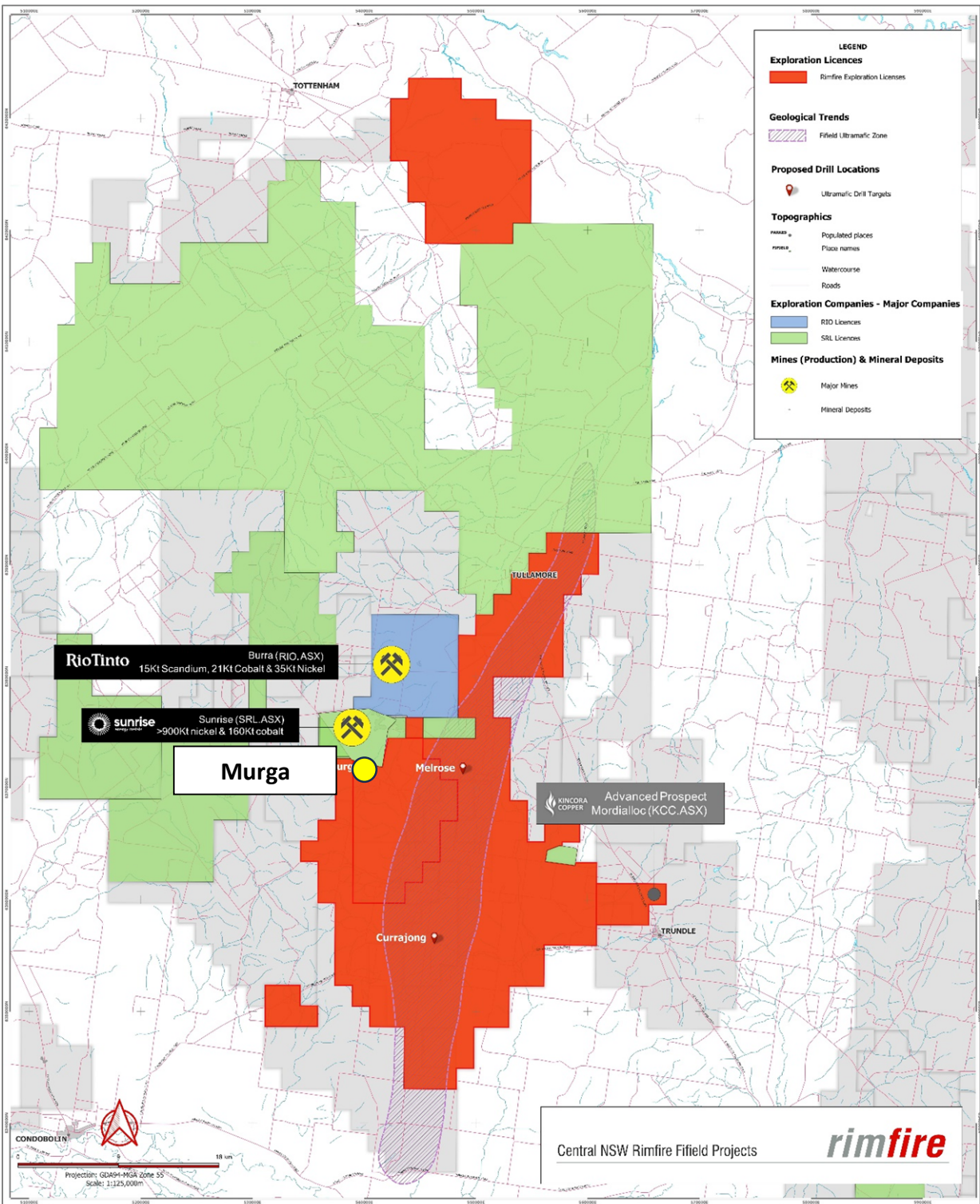


Figure 1: Fifield project locations showing Rimfire (red) and competitors (Rio Tinto – blue and Sunrise Energy Metals – green).



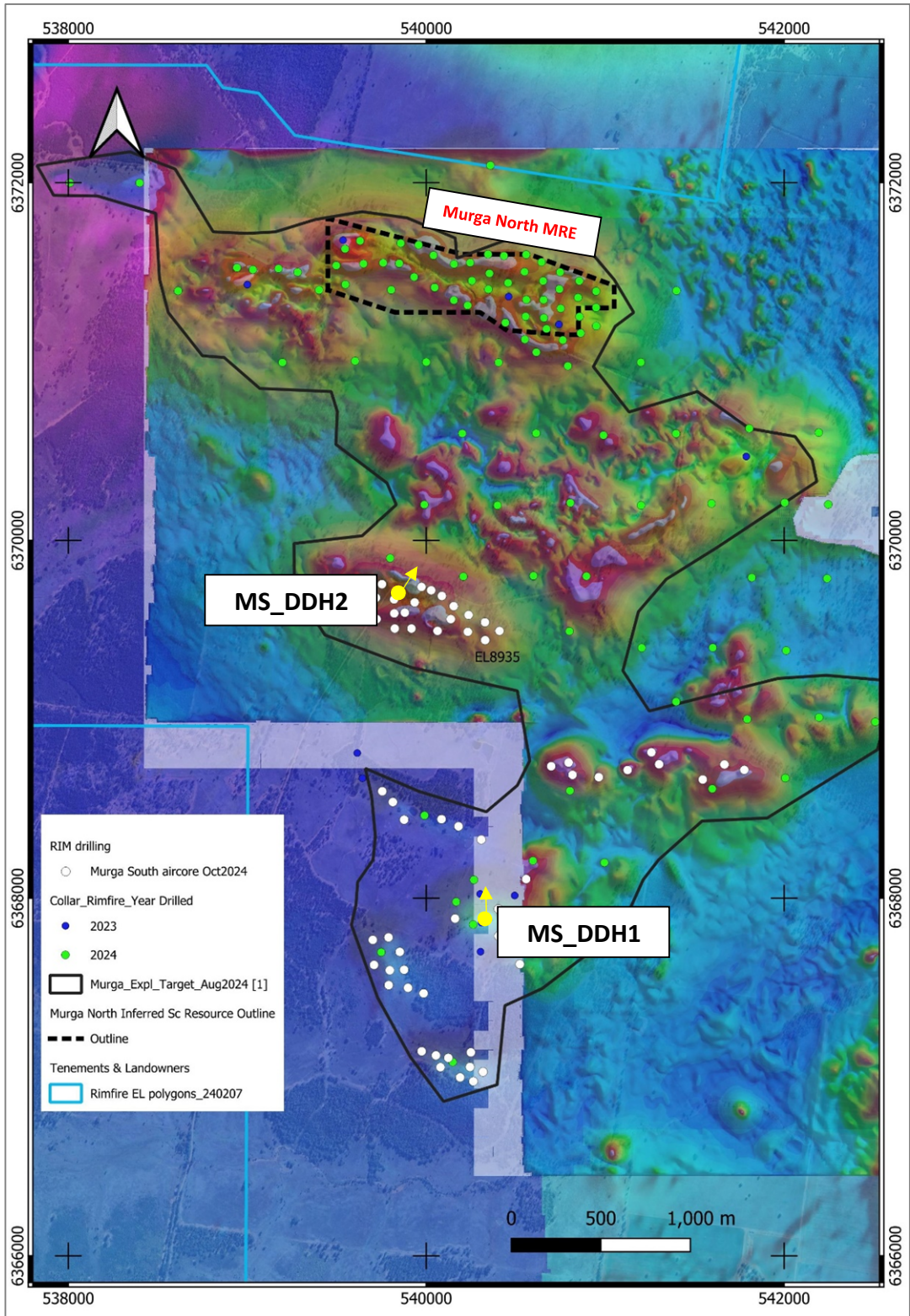


Figure 2: Murga Exploration Target – October / November 2024 infill air core drilling locations (white circles) and diamond drill holes (yellow circles) – background TMI image and with Murga North MRE boundaries shown.





**Figure 3: Murga Exploration Target – diamond drill rig set up on hole MS\_DD2 (photo taken 11 December 2024)**

**ENDS**

This announcement is authorised for release to the market by the Board of Directors of Rimfire Pacific Mining Limited.

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### **Competent Persons Declaration**

The information in the report to which this statement is attached that relates to Exploration and Resource Results is based on information reviewed and/or compiled by David Hutton who is deemed to be a Competent Person and is a Fellow of The Australasian Institute of Mining and Metallurgy.

Mr Hutton has over 30 years' experience in the minerals industry and is the Managing Director and CEO of Rimfire Pacific Mining. Mr Hutton has sufficient experience that is relevant to the style of mineralisation and type of deposits 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'.

Mr Hutton consents to the inclusion of the matters based on the information in the form and context in which it appears.

The data in this report that relates to Mineral Resource estimates and Exploration Target is based on information evaluated by Mr Simon Tear who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 (the "JORC Code"). Mr Tear is a Director of H&S Consultants Pty Ltd, and he consents to the inclusion in the report of the Mineral Resources and Exploration Target in the form and context in which they appear.

### **Forward looking statements Disclaimer**

This document contains "forward looking statements" as defined or implied in common law and within the meaning of the Corporations Law. Such forward looking statements may include, without limitation, (1) estimates of future capital expenditure; (2) estimates of future cash costs; (3) statements regarding future exploration results and goals.

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However, forward looking statements are subject to risks, uncertainties, and other factors, which could cause actual results to differ materially from future results expressed, projected, or implied by such forward looking statements. Such risks include, but are not limited to, commodity price fluctuation, currency fluctuation, political and operational risks, governmental regulations and judicial outcomes, financial markets, and availability of key personnel. The Company does not undertake any obligation to publicly release revisions to any "forward looking statement".