Critical Minerals Explorer

rimfire

31 October 2025

# Infill Scandium Drilling to commence at Murga Exploration Target

**Highlights**

- **Infill air core drilling (~85 holes / 4,200 metres) to commence at Murga Exploration Target* mid-November 2025 funded by Rimfire**
- **Murga lies 4 kilometres south of Sunrise Energy Metals' (SRL.ASX) Syerston Scandium Deposit with both locations sharing some geological similarities**
- **Planned holes in conjunction with existing drilling to underpin estimate of a mineral resource for the Murga Exploration Target expected during March 2026 Quarter.**
- **Successful conversion of the exploration target to a mineral resource will add to Rimfire's existing scandium resource inventory at Fifield which currently totals 5,449t Sc (8,333t Sc Oxide)***
- **Drilling to continue at 100% - owned Rabbit Trap Scandium Project following completion of the Murga drilling**

**Commenting on the announcement, Rimfire's Managing Director Mr David Hutton said:** *"Rimfire is systematically exploring across our projects in the Fifield region to consolidate our position as one of the leading companies within Australia's scandium hotspot.*

*The Murga Exploration Target shares some similar geology to the nearby Syerston Scandium Deposit which has recently received considerable investor attention. Previous drilling success at Murga provides our technical team with confidence that Rimfire can add scale and grade to our existing scandium resource base through this high-impact program."*

** Details of the Melrose, Murga North, and Currajong Mineral Resource estimates which make up the scandium resource inventory were previously released by Rimfire in ASX Announcements entitled "Highly Encouraging Maiden Scandium Mineral Resources for Melrose and Murga North" dated 9 September 2024 and "Maiden Currajong MRE increases Rimfire Scandium resources by 61%" dated 20 October 2025.*

*Rimfire confirms that it is not aware of any new information or data that materially affects the information included in the 9 September 2024 and 20 October 2025 ASX announcements, and that all material assumptions and technical parameters underpinning the estimates in those ASX announcements 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.*


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ASX: RIM

Rimfire Pacific Mining (RIM:ASX, “Rimfire” or “the Company”) is pleased to announce that it will commence an infill air core drilling program (~85 holes / 4,200 metres) at the **Murga Exploration Target** which is located 4 kilometres south of Sunrise Energy Metals’ (SRL.ASX) Syerston Scandium Deposit, within the Fifield District - Australia’s scandium epicentre, approximately 70 km NW of Parkes in central NSW (*Figure 1*).

As shown on *Figures 1 and 2,* Rimfire’s Murga Exploration Target, Murga North Deposit and Melrose Deposit all lie within a 5 – 10 kilometre radius of the Syerston deposit. At their closest point, the northern boundary of the Murga Exploration Target is only 1.2 kilometres from the Syerston deposit’s southern boundary.

At Murga scandium occurs within a strongly weathered laterite horizon overlying magnetic ultramafic (pyroxenite) intrusive rocks (scandium source rocks) of the Ordovician age Murga Intrusive Complex which is a large scale arcuate shaped mafic – ultramafic intrusive complex that has a surface area of approximately 20km² and shares some geological similarities with the Syerston Intrusive Complex that hosts the Syerston deposit.

Murga is located on the Fifield Project which is subject to an Earn In Agreement with Rimfire’s exploration partner Golden Plains Resources (GPR).

After several meetings between the exploration partners, GPR decided not to support the drilling. Rimfire used its voting majority under the agreement to approve the work as it strongly believes that the Murga Exploration Target currently represents the best opportunity for commercial development on the Fifield Project. As such, conversion of the exploration target to a mineral resource is a high priority.

To ensure the work is carried out in a timely manner, Rimfire will fund the drill program.

The Murga drilling will be undertaken throughout the northern and central portion of the Murga Exploration Target to infill existing broad spaced drill holes [achieving a nominal drill spacing of 50 to 100 metre centres in key areas – *Figure 3*] and underpin the estimate of a maiden Inferred Mineral Resource for the locality.

Rimfire has secured all necessary regulatory and landowner approvals, and drilling is scheduled to commence mid-November 2025.

It is anticipated that drilling will take approximately 3 weeks to complete with drill samples submitted continuously throughout the program for laboratory analysis with a mineral resource estimate for the Murga Exploration Target anticipated during the March 2026 Quarter.

After Murga the drill rig will then deploy to the 100% - owned Rabbit Trap Scandium Project to undertake the first ever drilling of several scandium – prospective magnetic anomalies (*see Rimfire’s ASX Announcement dated 29 September 2025*).

**Significance of the Murga Exploration Target**

H&S Consultants Pty Ltd defined an Exploration Target for the broader Murga area (excluding the Murga North Mineral Resource) in 2024 (*See RIM’s ASX Announcement dated 9 September 2024*).

It 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) throughout the Murga area.

The boundaries of the Exploration Target are shown in *Figures 2 and 3*, and an average thickness of 15 metres has been assumed along with a default density of 2.15t/m$^3$. However, at the time of defining the exploration target, it was unknown whether the whole outlined area will have reasonable prospects for eventual extraction so it has been assumed that only 50% of the area within the pyroxenite outline will be classified as the Exploration Target.

The Exploration Target for the broader Murga area (excluding the Murga North Mineral Resource) is: **100 to 200Mt at 100 to 200ppm Sc [1]**

*[1] 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.*

Successful conversion of the exploration target to a mineral resource has the potential to significantly increase the size of Rimfire's existing scandium resource inventory at Fifield which currently totals **5,449t Sc (8,333t Sc Oxide)** as detailed in *Table 2*.

**Table 2 - Rimfire Scandium Resource Inventory (Refer to RIM ASX Releases 5/09/2024 and 20/10/2025)**

| Cut off | Deposit | Category | Mt | Sc ppm | Sc Oxide* ppm | Sc tonnes | Sc Oxide tonnes |
|---|---|---|---|---|---|---|---|
| 100ppm Sc | Melrose | Indicated | 2.9 | 250 | 380 | 730 | 1,100 |
| | Melrose | Inferred | 0.1 | 200 | 310 | 16 | 20 |
| | ***Melrose Total [2]*** | | ***3.0*** | ***240*** | ***380*** | ***740*** | ***1,120*** |
| | Murga North [2] | Inferred | 21.0 | 125 | 190 | 2,650 | 4,050 |
| | Currajong [3] | Inferred | 15.1 | 137 | 210 | 2,059 | 3,163 |
| | ***Melrose + Murga North + Currajong Total*** | | | | | ***5,449*** | ***8,333*** |

* Sc multiplied by 1.5338 to convert to Sc Oxide ($Sc_2O_3$). Table includes minor rounding errors.

*[2] Details of the Melrose and Murga North Mineral Resource Estimates were previously released by Rimfire in an ASX Announcement entitled "Highly Encouraging Maiden Scandium Mineral Resources for Melrose and Murga North" dated 9 September 2024.*

*[3] Details of the Currajong Mineral Resource Estimates were previously released by Rimfire in an ASX Announcement entitled "Maiden Currajong MRE increases Rimfire Scandium resources by 61%" dated 20 October 2025.*

*Rimfire confirms that it is not aware of any new information or data that materially affects the information included in the 9 September 2024 and 20 October 2025 ASX announcements, and that all material assumptions and technical parameters underpinning the estimates in those ASX announcements continue to apply and have not materially changed.*

### Next Steps

Air core drilling is planned to commence throughout the northern and central portion of the Murga Exploration Target by mid November 2025 followed by air core drilling at Rabbit Trap.

Rimfire looks forward to providing further updates as new information comes to hand.

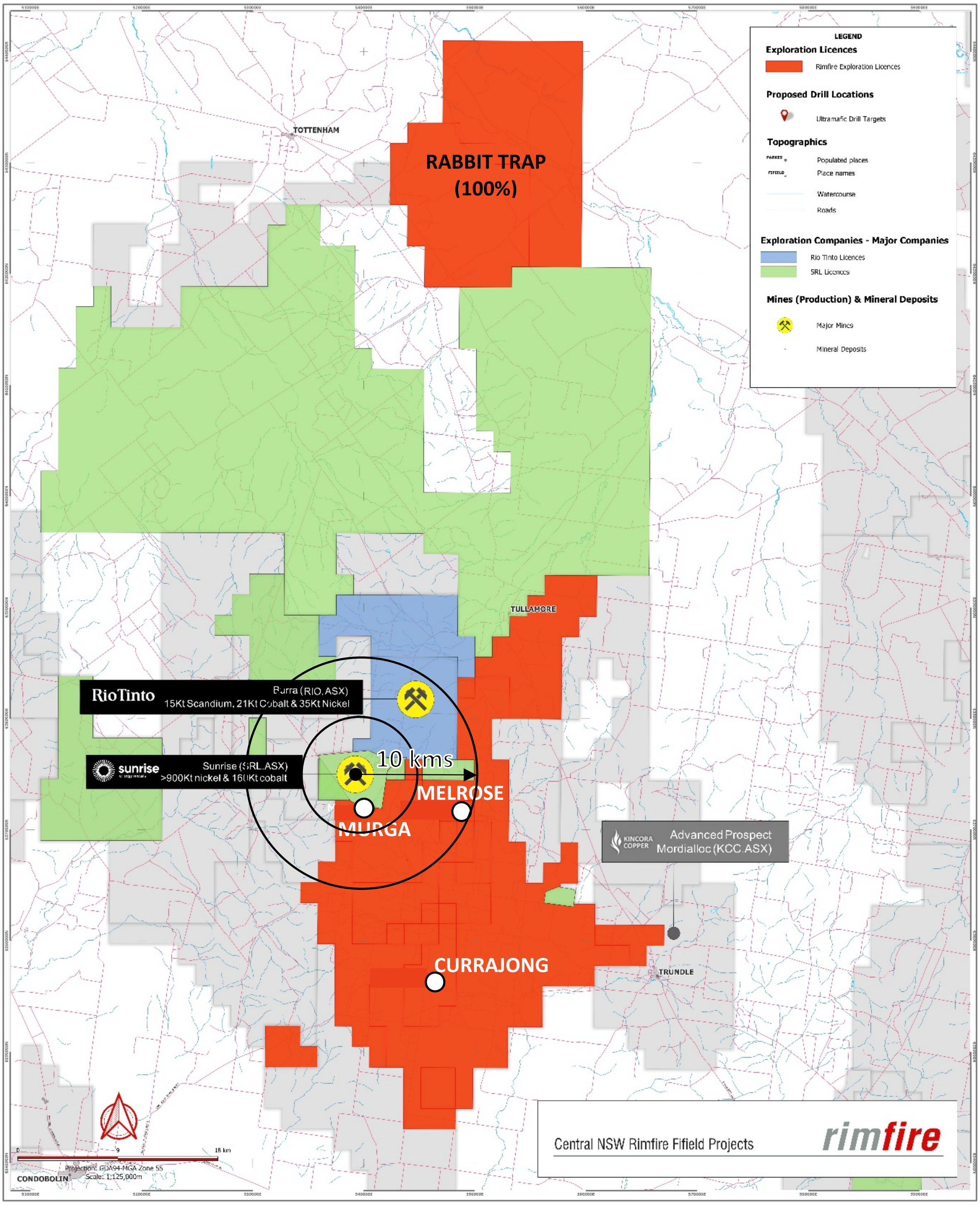


**Figure 1: Rimfire Scandium Projects and regional tenement holders. Note that Rimfire's Murga Exploration Target lies within a no radius of Sunrise's Syerston Scandium project with the Murga North and Melrose deposits, and Rio's Burra deposit lying within a 10 kilometre radius of Syerston**

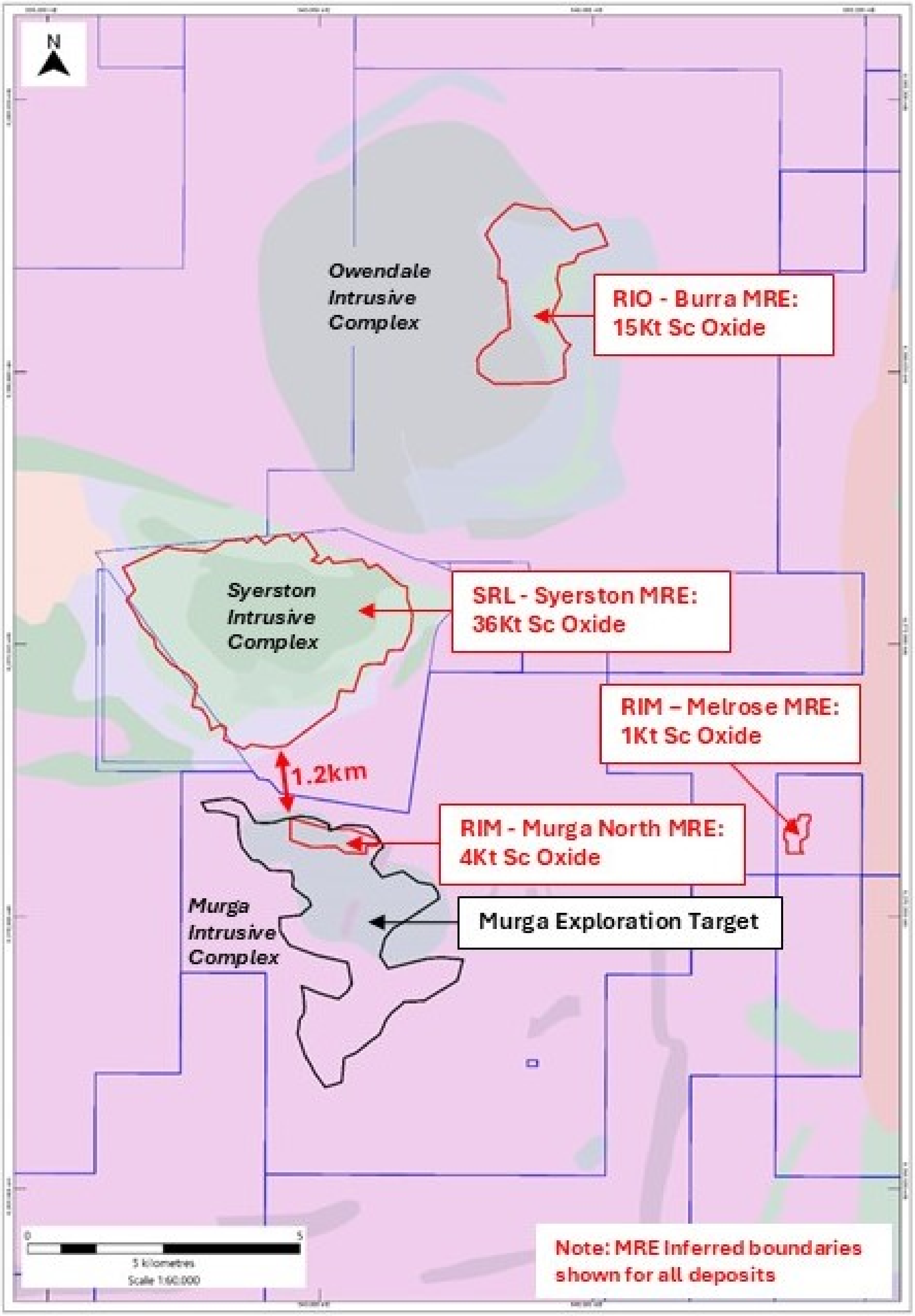


**Figure 2: Location and surface footprint comparison between Rimfire's Murga Exploration Target (black outline), Sunrise's Syerston Scandium Deposit (MRE) and Rio's Burra Scandium Deposit (MRE). Rimfire's Murga North and Melrose Scandium Deposits also shown. Horizontal scale bar is 5 kilometres in length.**

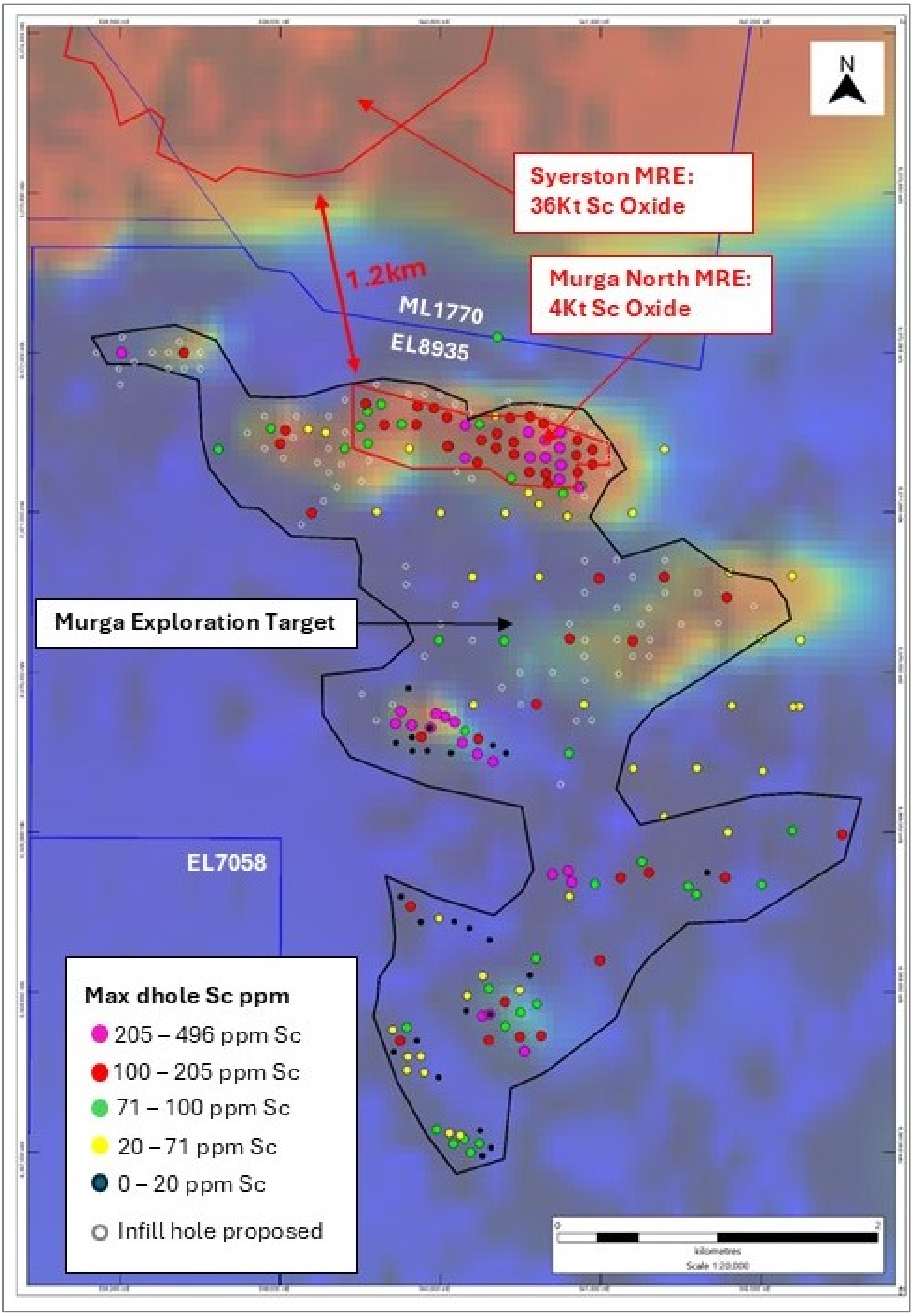


**Figure 3: Murga Exploration Target (black outline) on TMI magnetics background image. Existing air core collars shown labelled with maximum downhole scandium (ppm) value. Proposed holes shown as open white circles. Southern boundary of the Syerston Scandium Deposit (MRE) shown. Horizontal scale bar is 2 kilometres in length.**

**ENDS**

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

For further information please contact:

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## Competent Person Statements

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by David Hutton, Managing Director for Rimfire Pacific Mining Limited. Mr Hutton is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and he has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been 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 in this release of the matters based on the information in the form and context in which they appear.

The data in this report that relates to Mineral Resource estimates is based on information compiled and 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 Resource 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".