

CORPORATE PRESENTATION

April 2022

ASX : RIM

rimfire

Rimfire Pacific Mining

**Experienced
Explorer with
Critical Minerals
Focus**



Disclaimer & Competent Person Statements



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 mineral and mining industry. Mr Hutton is employed by Rimfire Pacific Mining (RIM) and is an employee of the Company. David 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'. David Hutton consents to the inclusion of the matters based on the information in the form and context in which it appears.

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. Where the Company or any of its officers or Directors or representatives expresses an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and the Company or its officers or Directors or representatives as the case may be, believe to have a reasonable basis for implying such an expectation or belief. 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", or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

Investment Highlights



Enviably tenement holding in world renowned Lachlan Orogen and Broken Hill Districts with demonstrated prospectivity for Critical Minerals and Porphyry Copper / Gold deposits.



Key Prospects immediately adjacent to two Federal Government declared "Major Project" for Critical Minerals¹.



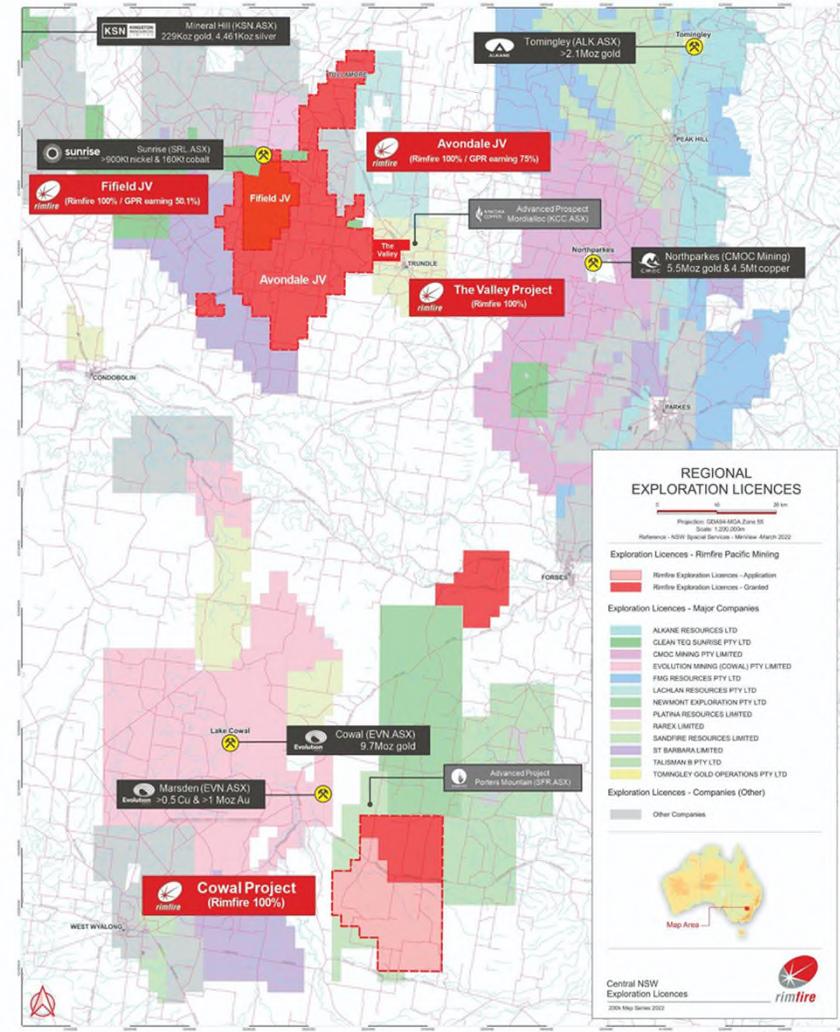
Experienced in-house geological team with successful exploration track record.



Fully funded aggressive drill programs planned for the next 6 months with supporting news flow.



Supportive exploration partner has committed to additional \$3.0M of exploration funding².



Proven Discovery Team

Technical



David Hutton • Executive Director

David has over 30 years of exploration experience, with key expertise in greenfields exploration, project discovery, project execution, geology, corporate management and strategy across

David was involved with the discovery and / or delineation of numerous precious and base metal deposits, including Thunderbox gold deposit, Altia Silver Lead Zinc deposit, F8 zinc deposit (Pilbara) and Barda Gonzales Copper Deposit (Western Argentina).



Michael "Mick" Love • Technical Consultant

- *Key role in discovery of Lake Cowal, Northparkes, Dubbo Project*

Mick has strong experience in Lachlan Fold Belt and was heavily involved in the discovery, early exploration and development of Northparkes (Cu / Au porphyry), Lake Cowal (Au), and Dubbo Project (Rare Earths).

Mick has over 30 years of exploration experience with key expertise in greenfields exploration, project discovery, project execution and geology.



Dr Peter Crowhurst • Geology Manager

Peter has over 25 years of exploration experience principally in the areas of project generation, field evaluation, project execution and structural geology.

Peter's experience extends across Australia, Asia and SW Pacific including research work with CSIRO on industry projects. Peter has strong experience with multiple commodities / geological settings including Cu-Au porphyries, seafloor massive Cu-Zn-Pb-Ag sulphides, mineral sands and lithium.



Paul Wright • Technical Consultant - Geology

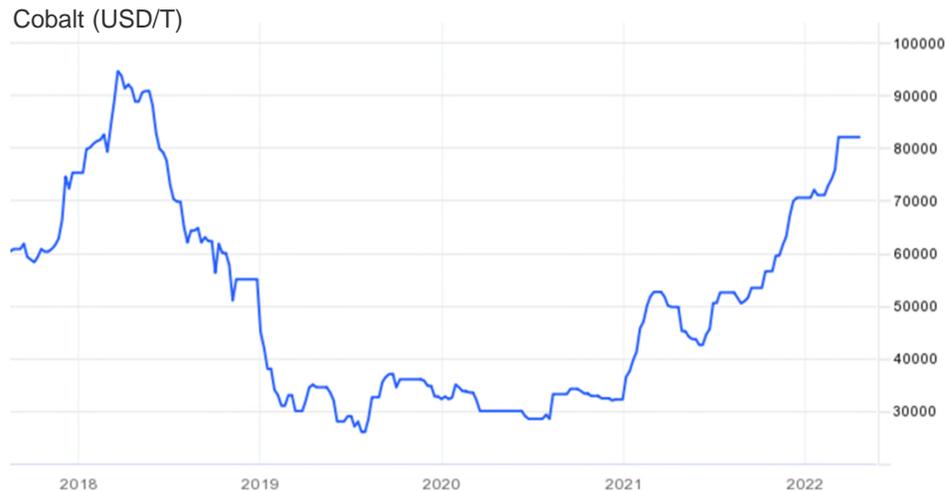
- *Key role in discovery of Cadia East*

Paul has over 30 years of exploration experience including at Cadia, where he was involved in the early exploration work that took Cadia East from a soil anomaly into a significant resource.

Paul has key expertise in porphyry Cu-Au systems and multitude of Au-only systems.

Critical Minerals focus

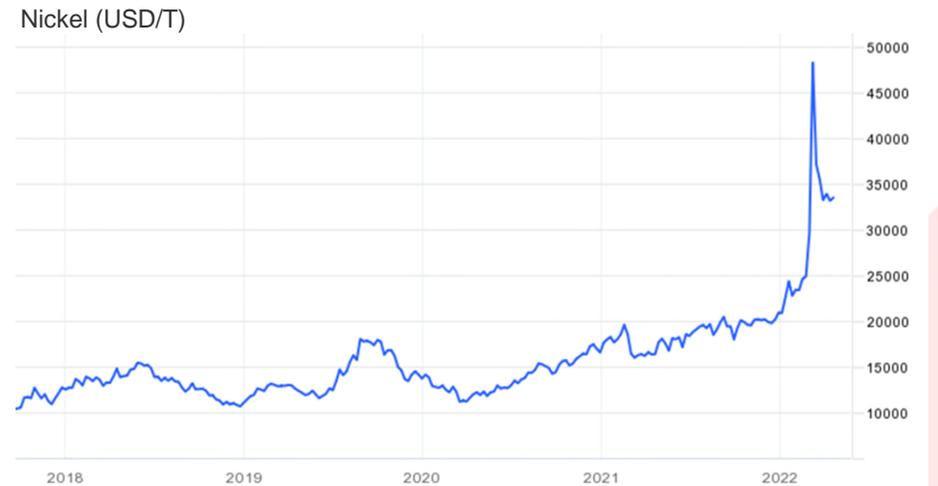
- The Australian and United States Governments identify critical minerals as metals, non-metals and minerals that are considered vital for the economic well-being of the world's major and emerging economies yet whose supply may be at risk due to geological scarcity, geopolitical issues, trade policy or other factors.
- Rimfire's Lachlan Orogen portfolio has demonstrated prospectivity for the critical minerals including nickel, cobalt, scandium, and platinum group elements and lies within a low sovereign risk environment.
- Rimfire has successfully operated within the local regulatory framework for over 20 years.



source: tradingeconomics.com



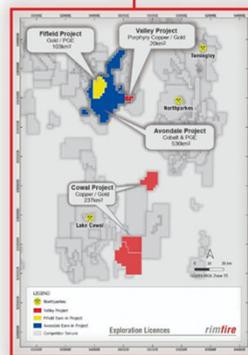
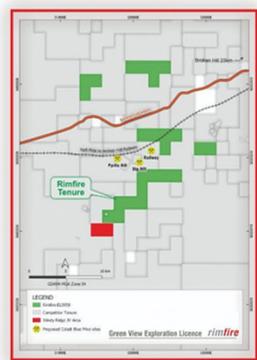
source: tradingeconomics.com



source: tradingeconomics.com

Key Projects

Broken Hill Project



Lachlan Orogen Projects

Avondale Project (Au-Ni-Co-Sc-PGE) – RIM Managed Earn-in with GPR up to 75%

- Critical Minerals Focus
- Adjacent to known critical mineral JORC resources (Ni, Co, Sc)³
- 20+ targets over a 40km long, 4km wide belt, 4 targets being actively worked on
- Initial results from Melrose drilling confirm Critical Minerals prospectivity⁴
- Significant fully funded work programs planned

Broken Hill (Co) - 100% RIM

- Potential area of Future Critical Mineral supply
- Key target in same geological setting and immediately along strike from known Cobalt JORC resource of >40,000t⁵
- Further strong prospectivity for critical minerals on other areas of holdings

Valley Project (Porphyry Cu-Au) - 100% RIM

- Adjacent to Kincora (KCC.ASX) Mordialloc / Trundle Projects
- Anomalous copper results at surface
- RIM exploration work confirms the “right” Ordovician bedrock⁶
- Coupled with geophysical data suggests deeper target exists
- Peer reviewed NSW Government grant provided for deeper drilling⁷

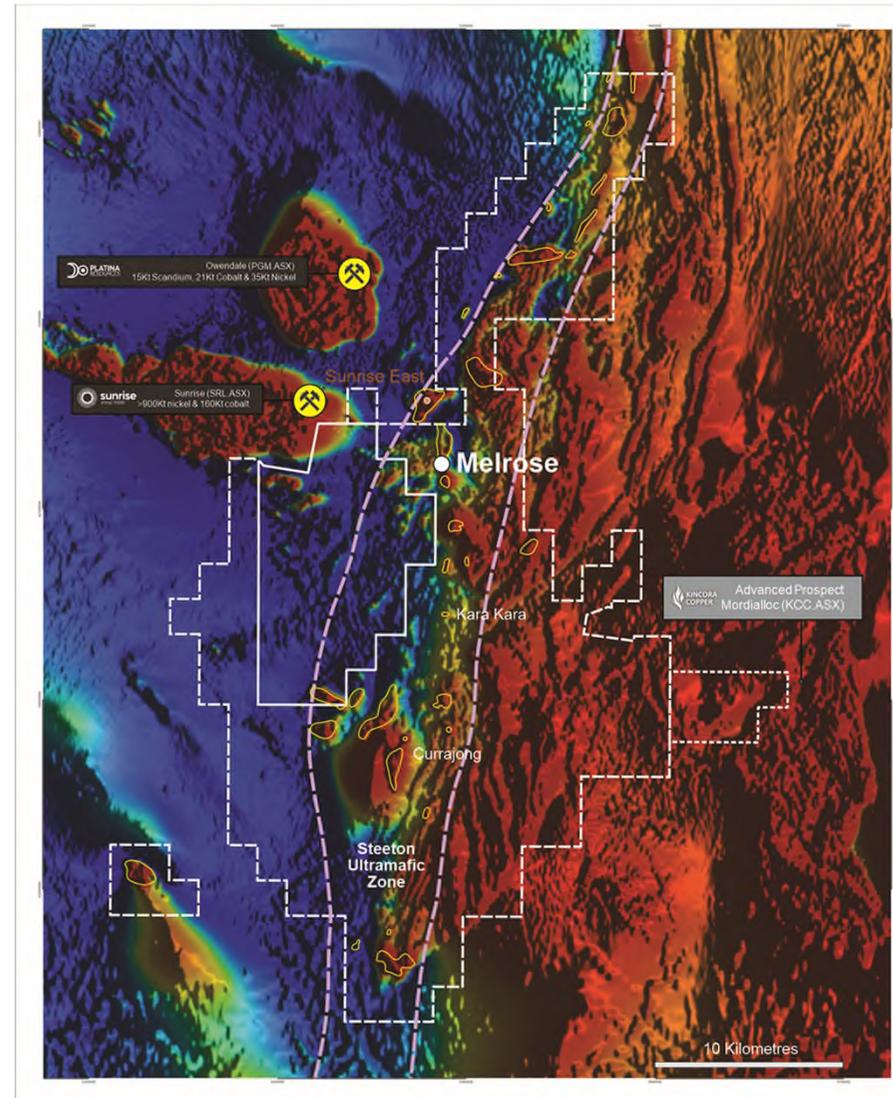
Fifeild Project (Au-PGE) – RIM Managed Earn-in with GPR up to 50.1%

- Sorpresa JORC Resource⁸ and Transit Gold Prospect⁹
- Platina Lead, largest source of Platinum mined in Australia, undergoing bulk sample testing¹⁰

Avondale (Earn-in GPR up to 75%)

Key Points

- Critical Minerals Discovery potential with 20+ priority exploration targets identified in a 50km long belt.
- Nickel, cobalt, scandium, and platinum group elements (PGE's), being targeted.⁴
- Recent drill results at Melrose confirm Critical Minerals prospectivity;
 - 9m @ 0.17% Ni, 0.10% Co, and 362ppm Sc from 3 metres
 - 12m @ 0.23% Ni, 0.11% Co, and 314ppm Sc from 9 metres
 - 18m @ 0.10% Ni, 0.04% Co, and 286ppm Sc from 3 metres.
- Major programs underway including drilling and external prospectivity review.
- Funded by Rimfire's exploration partner – GPR.



Broken Hill – Green View Project

Key Points

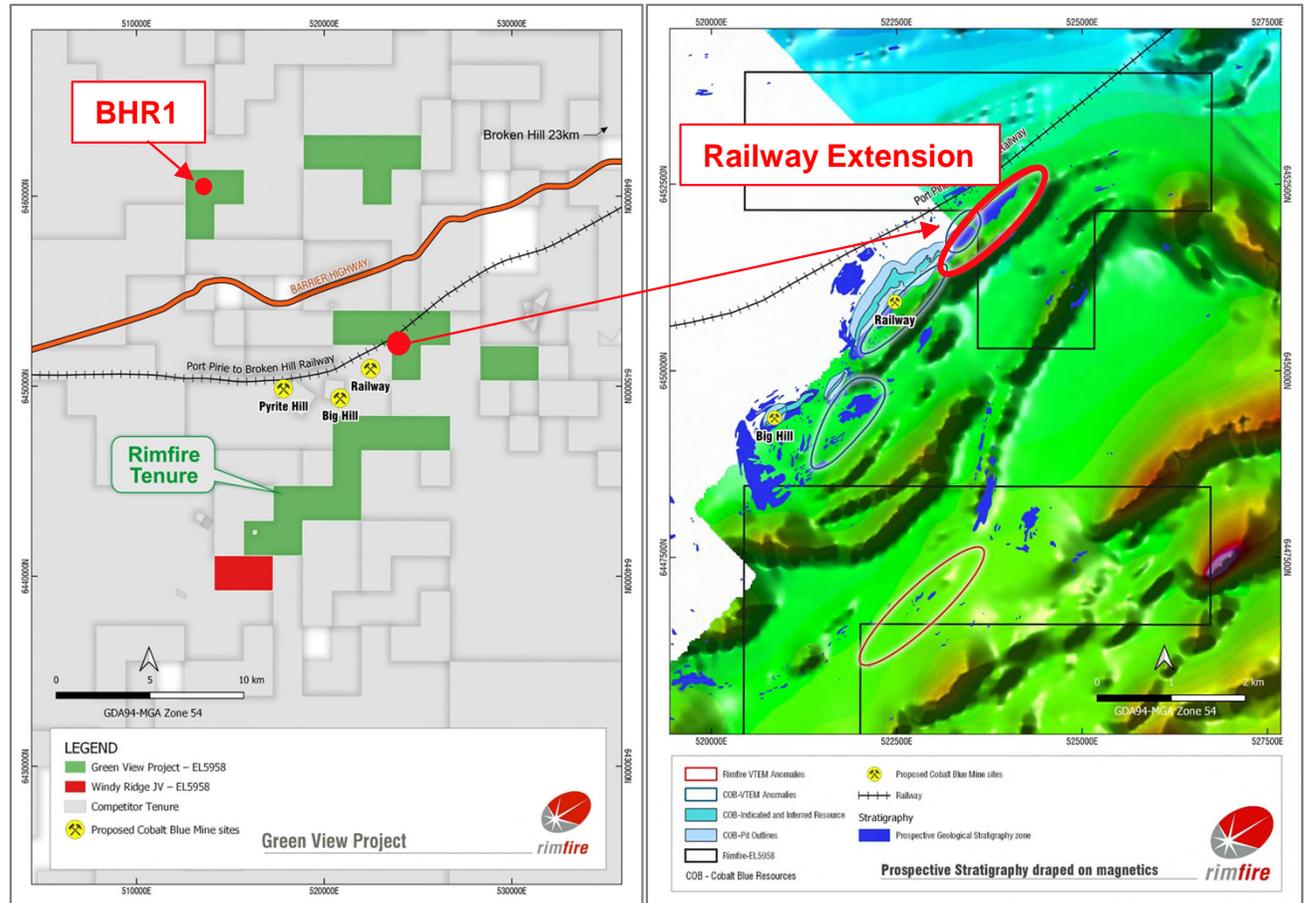
- Critical Minerals Focus on Cobalt.
- Rimfire’s priority target - Railway Extension Prospect located in same geological setting immediately along strike of an inground +40,000t cobalt resource.⁵

Location

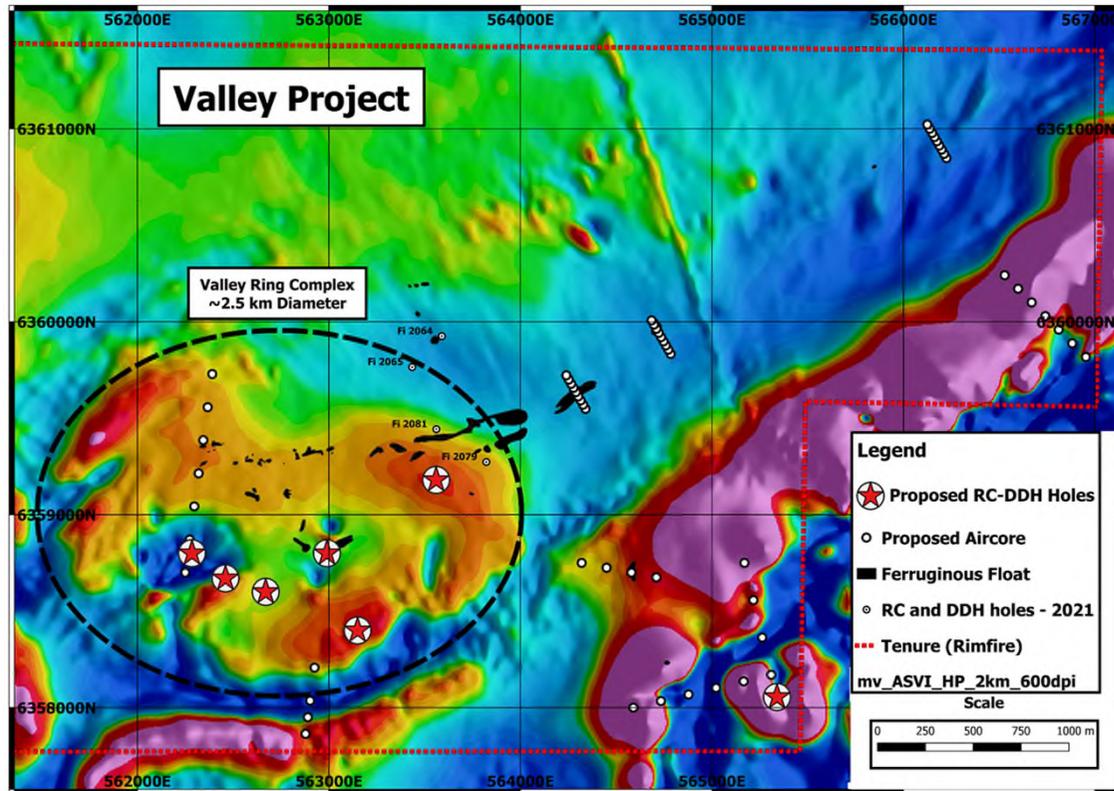
- Close proximity to proposed Critical Mineral Project Infrastructure with Federal Government Major Project Status.¹

Northern Blocks Prospectivity

- Historic drilling by North Broken Hill Limited in the early 1980’s demonstrates excellent cobalt prospectivity in northern blocks, e.g. drillhole BHR1, 43m @ 0.11% cobalt from 58 metres including;
 - 7m @ 0.17% cobalt from 63 metres,
 - 10m @ 0.13% cobalt from 79 metres, and
 - 7m @ 0.17% cobalt from 94 metres.¹¹

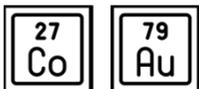


The Valley



Key Points

- Porphyry Copper / Gold Target.
- Recent Drilling confirms the “right” Ordovician bedrock – same type and age as Northparkes system.⁶
- Reprocessed geophysical data confirms scale footprint is similar in size to Northparkes.⁶
- Award of funding contribution from NSW Government through competitive peer review process, reinforces the rationale to firmly test the prospect.⁷



Fifield (Earn-in GPR up to 50.1%)

Key Points

- Gold / Platinum Prospectivity.
- Platina Lead (Platinum / Gold), bulk sample testing underway to test recoverability of alluvial Platinum and Gold from remnant mining area.¹⁰
- Platina Lead largest source of Platinum mined in Australia.
- Transit (Gold), ongoing drilling to determine prospectivity.⁹
- Sorpresa (Maiden JORC Resource 125Koz gold, +7.9Moz silver), metallurgical testing underway.⁸



source: tradingeconomics.com



source: tradingeconomics.com

Activity and Newsflow Schedule

		May	June	July
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">28 Ni</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">78 Pt</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">45 Rh</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">46 Pd</div> <div style="border: 1px solid black; padding: 2px;">21 Sc</div> </div>	Avondale	Kara Kara, Currajong Drill Program completion		
	Melrose Follow – up Drilling Program			
	KARS Soil Sampling			
	External Consultant Review			
	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">27 Co</div> </div>	Broken Hill	Mapping / Sampling of Railway Extension and other key areas	
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">29 Cu</div> <div style="border: 1px solid black; padding: 2px;">79 Au</div> </div>		Valley	Deep Drilling Program planned	
	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">78 Pt</div> <div style="border: 1px solid black; padding: 2px;">79 Au</div> </div>	Fifield	Platina Lead – Bulk Sample Testing	
Transit – Completion of Drill Programs				

Corporate Overview



Our Team



Ian McCubbing: Non-Executive Chairman

Ian was appointed Non-Executive Director and Chairman of the Board in 2016. He has 30 years experience, principally in the areas of corporate finance, M&A and brings a strong commercial background in the resources industry to the Company. . Mr McCubbing is currently a Non-Executive Director and Chairman of Prominence Energy Limited and been a CFO and Non-Executive Director of ASX200 mining companies.



David Hutton • Executive Director

David was appointed the Executive Director of the Board in February 2022. He is a geologist who has over 30 years' experience in both exploration and mining throughout Australia and overseas who has been involved with the discovery and / or delineation of numerous precious and base metal deposits. As MD / CEO of ASX listed exploration companies for over 10 years he also has significant corporate strategy, business networking and stakeholder engagement skills.



Misha Collins: Non-Executive Director

Misha was appointed a Director in July 2021. A qualified metallurgist he has over 23 years of experience in the resources industry principally in resources as a mining executive, financial analyst and company director. Mr Collins is a Non-Executive Director of Sihayo Gold.



Andrew Knox: Non-Executive Director

Andrew was appointed Non-Executive Director of the Board in March 2020. A qualified accountant he has over 35 years of resources experience principally in acquisitions, mergers and capital raisings for micro and low capital companies in the oil and gas and mining industries. Andrew was formerly a Non-Executive Director of Rimfire from 2005 to 2011. He is currently the CEO and Managing Director of ASX listed company, Red Sky Energy Ltd.



Greg Keane: CFO / Investor Relations

Greg was appointed Rimfire's Chief Financial Officer in May 2017. As an experienced commercial and financial professional in all life cycle stages of an exploration company through to producing operational mining companies, Greg has had significant experience and exposure in defining and implementing operational, commercial and financial strategy.

Greg's experience has been gained in multiple commodities and both locally and internationally.

Appendix 1 – Critical Minerals Importance

The Australian and United States Governments identify critical minerals as metals, non-metals and minerals that are considered vital for the economic well-being of the world's major and emerging economies, yet whose supply may be at risk due to geological scarcity, geopolitical issues, trade policy or other factors.

The critical minerals include Antimony, Beryllium, Bismuth, Chromium, Cobalt, Graphite, Lithium, Magnesium, Manganese, Nickel Niobium, Platinum Group Elements, Rare Earth Elements, Rhenium, Scandium, Titanium/Zirconium, Tungsten, Vanadium and Zirconium.

The Platinum Group Elements (PGE's) comprise iridium, osmium, palladium, platinum, rhodium, and ruthenium.

Critical minerals are required for the manufacture of solar PV plants, wind farms, electric vehicles, and battery storage. Additionally advanced manufacturing, defence, renewable energy, and medical devices has increased demand for critical minerals as building blocks for new products. For further information, refer to the Australian Government's Australian Critical Minerals Prospectus 2021, ([December 2021: Australian Critical Minerals Prospectus](#)).

Appendix 2 – Reference Links

^[1] Sunrise Energy Metals (ASX:SRL) – Sunrise Project Awarded Major Project Status, 6 Dec 2021

<https://wcsecure.weblink.com.au/pdf/SRL/02462596.pdf>

Cobalt Blue Holdings (ASX:COB) – Grant of Australian Major Project Status, 2 Mar 2022

<https://cobaltblueholdings.com/news/grant-of-australian-major-project-status/>

^[2] Rimfire Pacific Mining (ASX:RIM) – GPR commits to Year 3 of the Fifield Earn-in Project NSW, 11 Apr 2022

<https://www.rimfire.com.au/site/PDF/0462e0fd-62f7-4018-889c-e66191515309/GPRcommitstoYear3oftheFifieldEarninProjectNSW>

Rimfire Pacific Mining (ASX:RIM) – GPR commits to Year 2 of the Avondale Earn-in Project, 14 Mar 2022

<https://www.rimfire.com.au/site/PDF/60b7e1da-724d-49d2-a782-092f7ffbd1a/GPRcommitstoYear2oftheAvondaleEarninProject>

^[3] Sunrise Energy Metals (ASX:SRL) – Sunrise Project Execution Plan, 28 Sep 2020

<https://wcsecure.weblink.com.au/pdf/CLQ/02286016.pdf>

^[4] Rimfire Pacific Mining (ASX:RIM) – Strong nickel, cobalt and scandium drill results, 4 Apr 2022

<https://www.rimfire.com.au/site/PDF/b7aff776-164e-4920-8691-c623b4a26772/Strongnickelcobaltandscandiumdrillresults>

^[5] Cobalt Blue Holdings (ASX:COB) – Broken Hill Cobalt Project

<https://cobaltblueholdings.com/broken-hill/broken-hill-cobalt-project/#deposits>

^[6] Rimfire Pacific Mining (ASX:RIM) – Valley Results Support Potential for Nearby Porphyry System, 27 Jul 2021

<https://www.rimfire.com.au/site/PDF/b5da569b-e9ee-4727-a25c-8940eab7c6fa/ValleyResultsSupportPotentialforNearbyPorphyrySystem>

^[7] Rimfire Pacific Mining (ASX:RIM) – Rimfire Awarded \$185k Drilling Grant at Valley, 12 Jan 2022

<https://www.rimfire.com.au/site/PDF/db5cb202-618c-4963-aa0e-518983f7486d/RimfireAwarded185kDrillingGrantatValley>

^[8] Rimfire Pacific Mining (ASX:RIM) – Sorpresa Gold and Silver Maiden Resource Fifield NSW, 23 Dec 2014

<https://www.rimfire.com.au/site/PDF/d96517e4-bd3c-480f-9361-c44bd22c35d1/SorpresaGoldandSilverMaidenResourceFifieldNSW>

^[9] Rimfire Pacific Mining (ASX:RIM) – Quarterly Activities Report – March 2022, 27 Apr 2022

<https://www.rimfire.com.au/site/PDF/2976c8ce-0047-45b6-b958-eb613141d6b3/QuarterlyActivitiesReportMarch2022>

^[10] Rimfire Pacific Mining (ASX:RIM) – Drilling Commenced at Fifield Platinum Project, 14 Dec 2021

<https://www.rimfire.com.au/site/PDF/6878b70b-ee0d-4068-bcc9-e5acadd6c3a6/DrillingCommencedatFifieldPlatinumProject>

^[11] Historical Reports submitted to the Regional NSW – Mining, Exploration and Geoscience Department, including [DIGS Geological Survey of NSW Search](#)

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