

21st March 2018

ASX Release

Geological Mapping and Sampling in Southern Area - Fifield NSW

Rimfire Pacific Mining NL
ABN 59 006 911 744

Corporate Details:

ASX Code: RIM

Issued capital:

943,477,555 FPO
2,300,000 Unlisted Options

Cash Status (31-12-2017):

\$1.981m

Mineral Focus:

Gold, Silver, Copper, Cobalt,
Platinum

Established Resource:

Sorpresa
125k oz Au, 7.9m oz Ag
(inferred and indicated)

Directors:

Non-Executive Chairman:

Ian McCubbing

Managing Director & CEO:

John Kaminsky

Non-Executive Directors:

Ramona Enconniere

Andrew Greville

Company Secretary:

Melanie Leydin

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Key Highlights

- The overall program aims to assess the area for Lake Cowal style gold potential
- Geological mapping with sampling has started and will cover an area of ~140km²
- The field work and subsequent review should be completed within April/May
- Follow on programs may include reconnaissance drilling as appropriate

Rimfire Pacific Mining NL (ASX: RIM) (“the Company” or “Rimfire”) has engaged consulting geologist Mr Mike Love to complete field investigations over the southern portion of the Company’s tenement package.

Mike has significant historic experience working in the Lake Cowal area in NSW (located approximately 100km due south of Fifield). Along with general geological reconnaissance, he will look for similarities to the setting of the significant copper gold mineral systems discovered around Lake Cowal.

Rimfire’s past work in the southern project area has generally been focused on the ultramafic bodies, such as Avondale ([Hyperlink: ASX Release 9th March 2018 Drilling Starts at Avondale](#)), Kars and Mount Derriwong.

Towards the end of 2017, based primarily on magnetics data and knowledge gained during the year, this area was also identified by New Gold Inc., as having potential to host Ordovician volcanics capable of hosting porphyry copper gold mineralisation. The proposed aircore field program designed for this area was not able to be implemented in 2017, due to timing constraints.

The fieldwork is commencing this week, covering the area shown on figure 1, and is expected to be completed through April.



John Kaminsky, CEO, Rimfire commented:

“This is an opportunity to look for the applicability of gold mineralizing concepts in our district, that apply to the south of us, at Lake Cowal, owned by Evolution Mining (ASX: EVN).

“It has certainly been our view that the north-south orientation of geological structures through this part of NSW has a likely bearing on the gold mineralizing positions occurring at Fifield also.

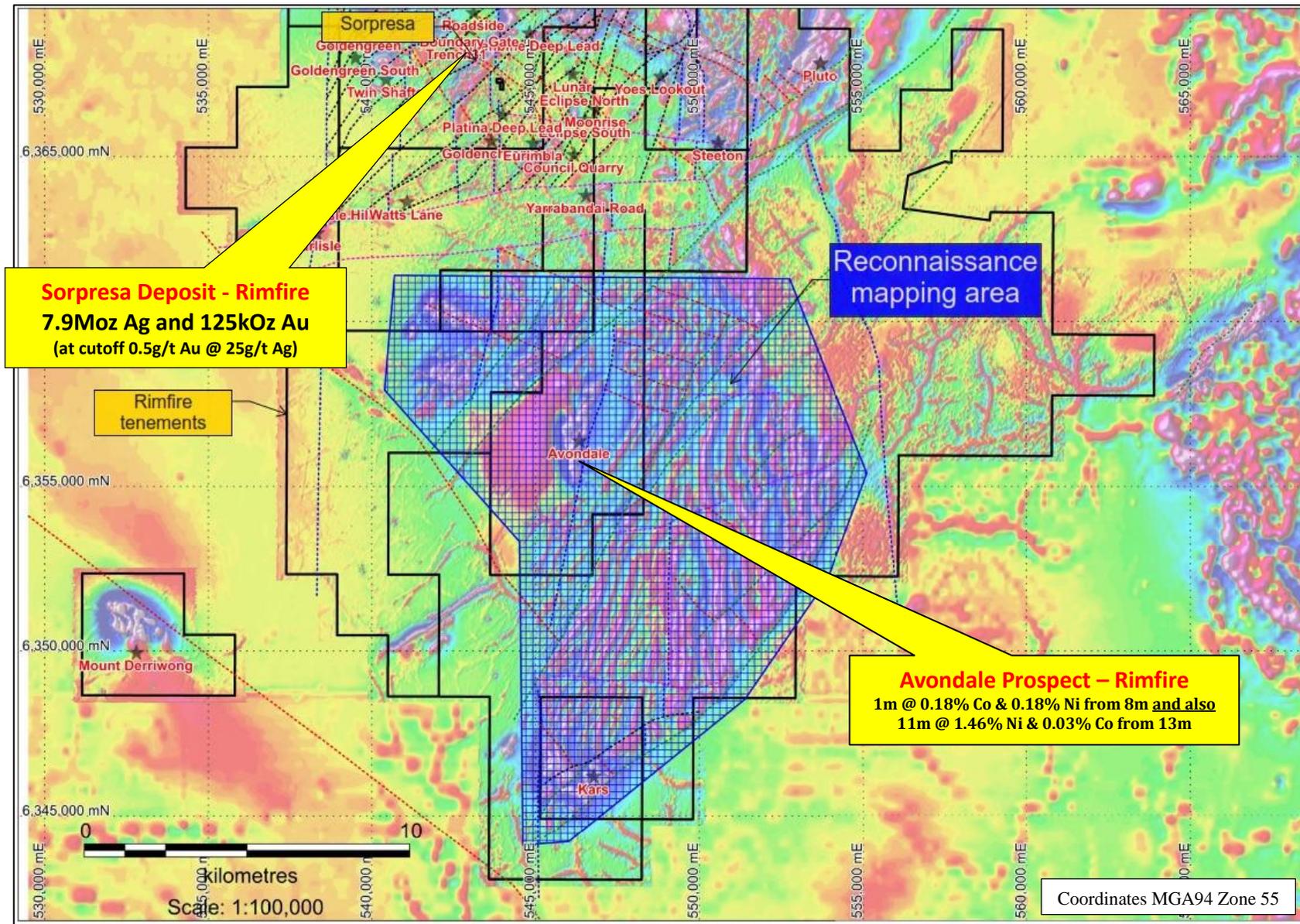
“It’s great having Mike on board with his extensive experience at Lake Cowal, heading this program. Rimfire’s detailed magnetic survey indicates a north-south structure orientation over our tenements at the southern end, so it will be interesting to see how we are able to build on this with Mike’s concepts through the planned field work.

“The new work in this area also takes in the Avondale cobalt prospect, so more light is likely to be shed generally on the context for the broader mineralising potential here.”



JOHN KAMINSKY
CEO and Managing Director

Figure 1: Geological Mapping in the Southern Tenement Area – Looking at Cowal Style Gold Potential (area also covers Avondale Prospect)



ABOUT RIMFIRE

Rimfire Pacific Mining is an ASX listed (code: RIM) resources exploration company that has its major focus at Fifield in central NSW, located within the Lachlan Transverse Zone (LTZ). In 2010~11 the Company made a greenfields gold and silver discovery, named "Sorpresa", announcing a JORC Compliant Inferred & Indicated Maiden resource in 2014.

The current main Sorpresa trend containing gold and silver mineralisation is approximately 1.5km in length and is at various stages of further discovery growth assessment, including the larger 7km x 2km Sorpresa corridor.

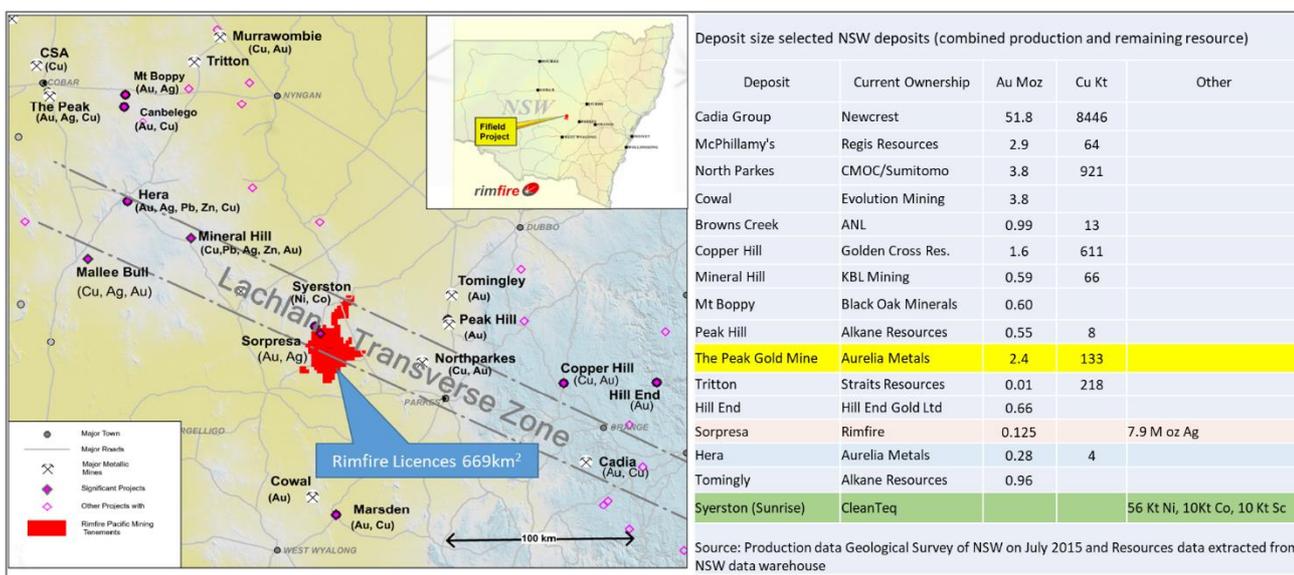
Multiple prospects involving hard rock potential for Gold, Silver, Copper and Platinum have been established within a >6km radius of the Sorpresa discovery at Fifield, which is part of the contiguous 669km² tenement position held.

More recently, Rimfire is also examining for cobalt potential within its tenements.

Aspiration target in the wider Fifield District

The discovery aspiration for the Fifield area is an aggregate discovery outcome in excess of 4 million ounces of gold equivalent metal, being capable of supporting a mine life in excess of 10 years, and within the lower third of industry costs of production.

Location Map of Rimfire Tenements within the LTZ Corridor showing district project context



Recent Presentation and ASX Activity Summary Reports and Analyst hyperlinks related to Rimfire

- The Company released its [Investor Forum Presentation on 31st January 2018](#)
- [An analyst update was provided on the Company](#), through Share Café, Gavin Wendt (of Minelife)
- [ASX Release December 2017 Quarterly Activities](#)

Historic material previously published under 2004 JORC standard that is referenced in this report:

The information provided in "About Rimfire Pacific Mining section" is available to view on the Company Website at hyperlink: [ASX Announcements](#). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements.

In addition, the Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements which operated under the 2004 JORC reporting requirements.

Table 1: Sorpresa Mineral Resource estimate reported under JORC 2012 code

Resource	Cut off	Category	Mt	Grade		Contained Metal	
				(g/t) Au	(g/t) Ag	Koz Au	Moz Ag
Gold	0.5 g/t Au	Indicated	2.0	1.14	27	73	1.7
		Inferred	1.0	0.9	12	29	0.4
		Total	3.0	1.06	22	103	2.1
Silver	25 g/t Ag	Indicated	2.1	0.21	62	14	4.2
		Inferred	1.2	0.19	40	7	1.6
		Total	3.4	0.20	54	22	5.8
Combined	0.5 g/t Au & 25 g/t Ag	Indicated	4.1	0.67	45	88	5.9
		Inferred	2.2	0.51	27	37	2.0
		Total	6.4	0.61	38	125	7.9

Notes:

1. Sorpresa Mineral Resource reported to JORC 2012 standards, at 0.50 g/t Au and 25g/t Ag cut-off
2. The figures in this table are rounded to reflect the precision of the estimates and include rounding errors.

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.