

## **8,290m of Aircore Drilling Completed in Increased Program at Fifield NSW** **Drill program also examines Steeton Prospect for porphyry gold-copper potential**

Rimfire Pacific Mining NL (**ASX: RIM**) (“Rimfire” or “The Company”) is pleased to advise that the Phase 2 Aircore program conducted by New Gold Inc. at Fifield NSW has now been completed, with the finalisation of assays and interpretations pending.

The drill program was substantially increased in scale during its deployment to extend coverage further south west from the central project area. The program assists the objective of creating more targeting opportunities in the project area for major ore body discoveries.

### **Summary – Aircore Phase 2 drilling completed by New Gold Inc. (includes Figures 1 to 3)**

#### **□ 8,290m (343 holes) of combined infill and expanded step-out aircore drilling was completed in the period October~November 2017**

- The program tested bedrock geochemistry, with holes spaced on a grid pattern of 250m x 250m
- Samples have been submitted to laboratory with results and interpretations expected to be concluded over the next ~4 weeks
- Logging was completed on all holes reaching bedrock, providing an update on the geology interpretation

#### **CEO and Managing Director, John Kaminsky commented on the Phase 2 Aircore Drilling and target areas:**



“The Phase 2 Aircore drilling managed by New Gold Inc. has produced a deeper knowledge base in the underlying geology at Fifield, helping grow the pipeline of prospective areas for potential discovery outcomes.

“It was pleasing to see New Gold Inc. expand the Aircore drilling program, to approximately double its original program design. The Steeton area has certainly benefited from this extra work, confirming favourable geology under the surficial cover sequence, with the potential for North Parkes style gold-copper mineralisation the main concept being pursued in that location.



*Aircore Steeton Area*

“We look forward to the compilation of assay results and interpretations including the use of other important data sets, such as geophysics, to provide the next range of discovery targets to be drilled in 2018.

#### **Phase 2 Aircore Program Main Areas of Interest**

The focus of the Aircore Phase 2 program is shown in **Figure 1**. Main areas covered with drilling included:

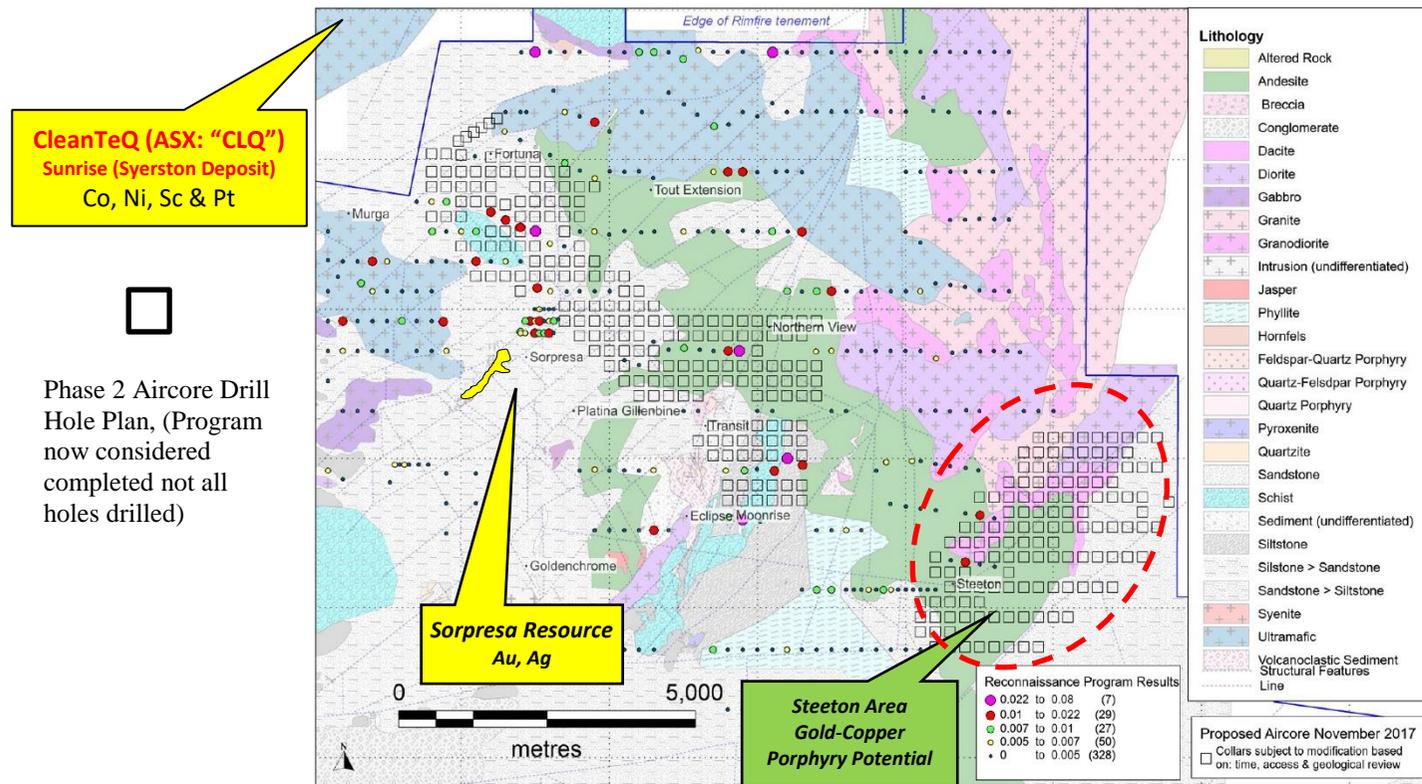
- *Fortuna – gold and copper anomaly*
- *Greater Transit - gold and copper anomaly*
- *Northern View - gold, manganese and cobalt anomaly*
- *Steeton – gold and copper porphyry potential*

More details will be provided over time on the work programs and the prospect areas being pursued and the discovery concepts being reviewed.



**JOHN KAMINSKY**  
**CEO and Managing Director**

Figure 1: Infill and expanded Aircore Drill Plan (Phase 2) shown on Geology (Oct 2017 Interp) and previous Gold Geochemistry (Aircore Drilling Phase 1)



Many new target concepts continue to emerge from the combined work programs, including the Phase 2 Aircore drilling.

In particular, logging of Aircore holes in **the Steeton area** has identified some altered porphyry within mafic and felsic volcanics in the north-east. These lithologies fit the initial interpretation of Ordovician Volcanics under cover. The presence of sericite +/- epidote +/- chlorite +/- actinolite altered porphyry, within this volcanic sequence was also noted and considered important.

**The goal at Steeton is for a potential discovery of a gold-copper porphyry system, similar to the North Parkes style of deposit 70km to the east.**

Figure 2: Fifield District Prospect Map – with neighbouring activity – on geology and structure background

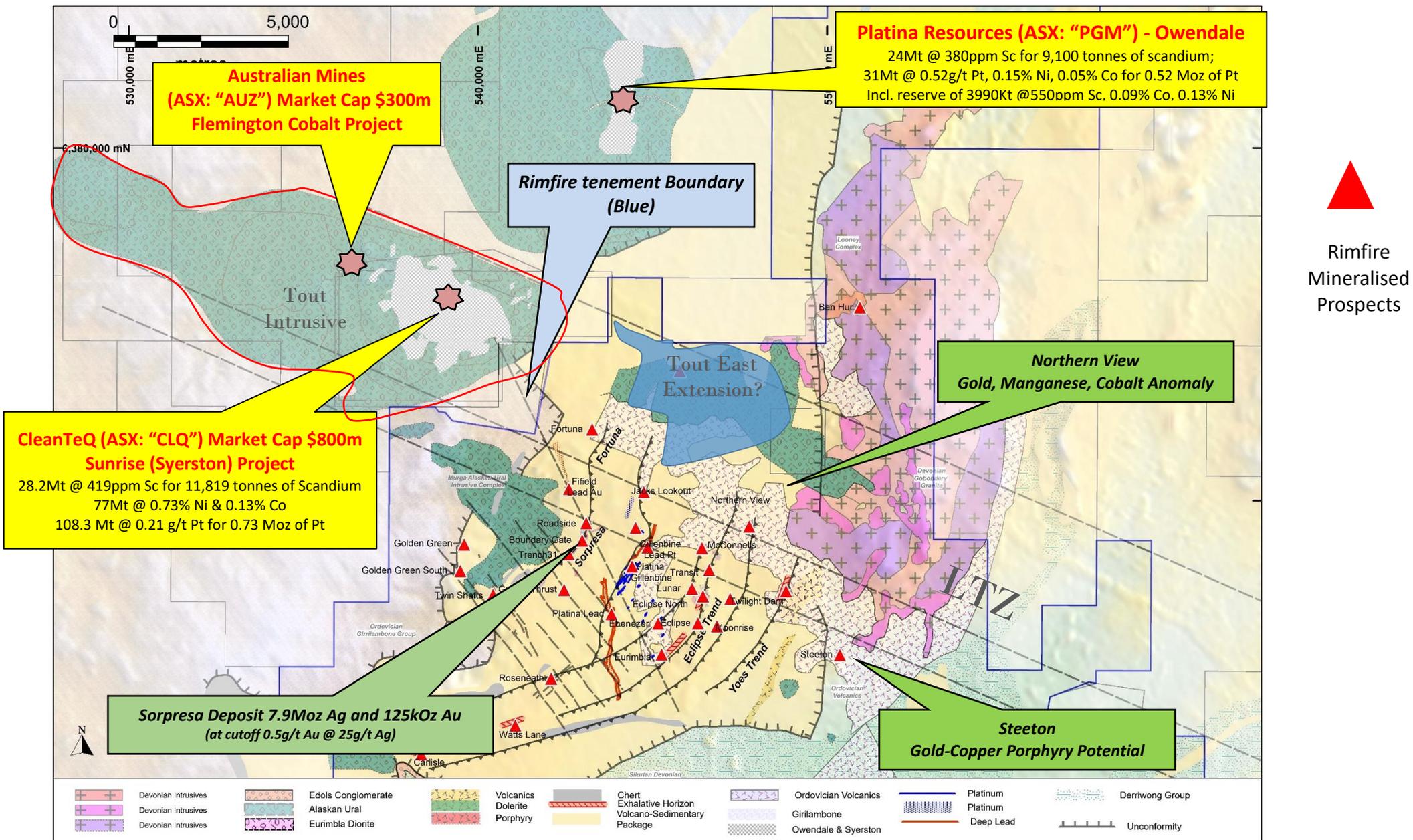
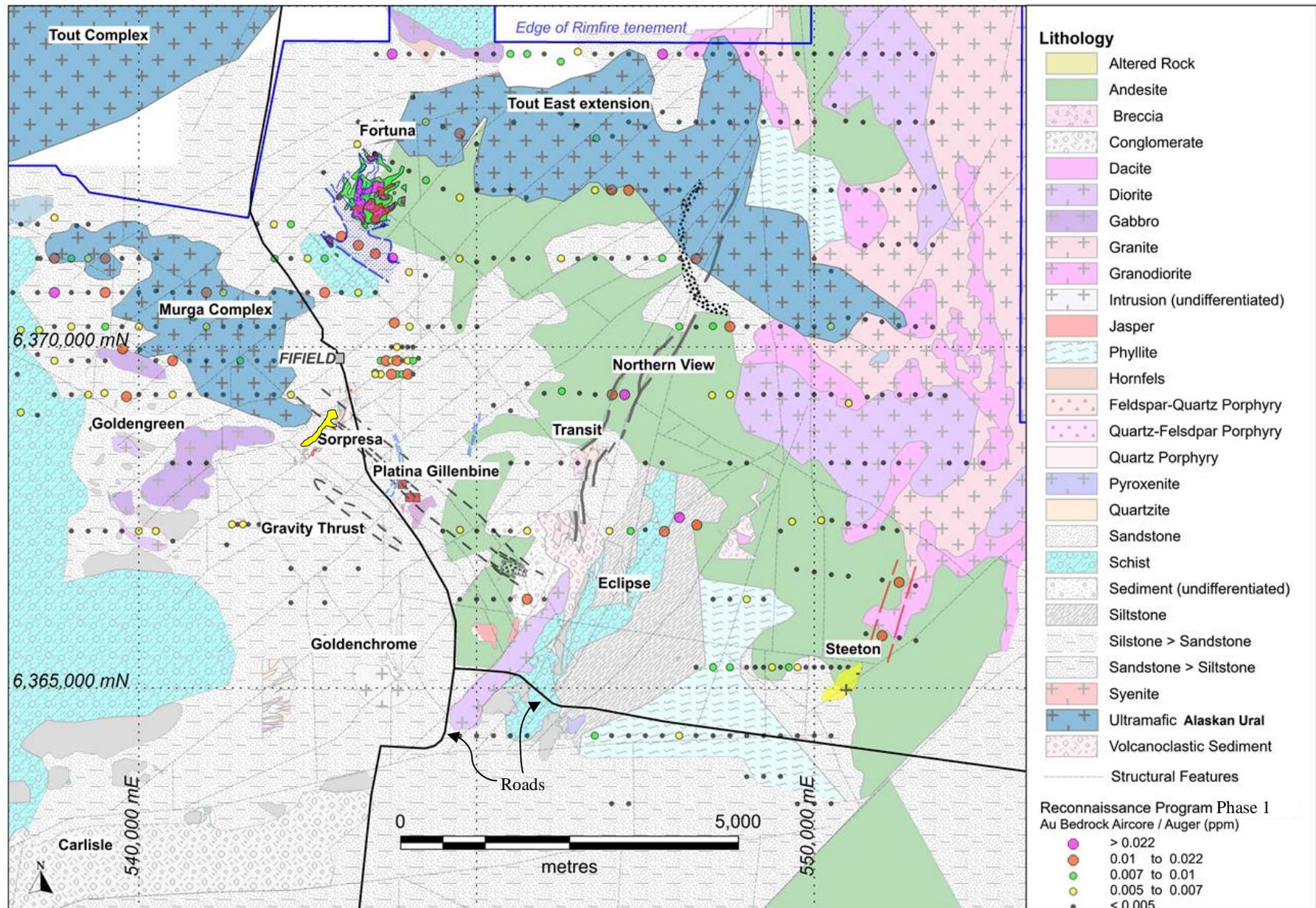


Figure 3: Some Key Targets shown on Geology, Structure Interpretations with Phase 1 Aircore (Au) at Fifield (Northern and Central Tenement Location)



## 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 strike line 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 669km<sup>2</sup> tenement position held.

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

Earn-in by New Gold Inc. (website: [New Gold Inc.](#))

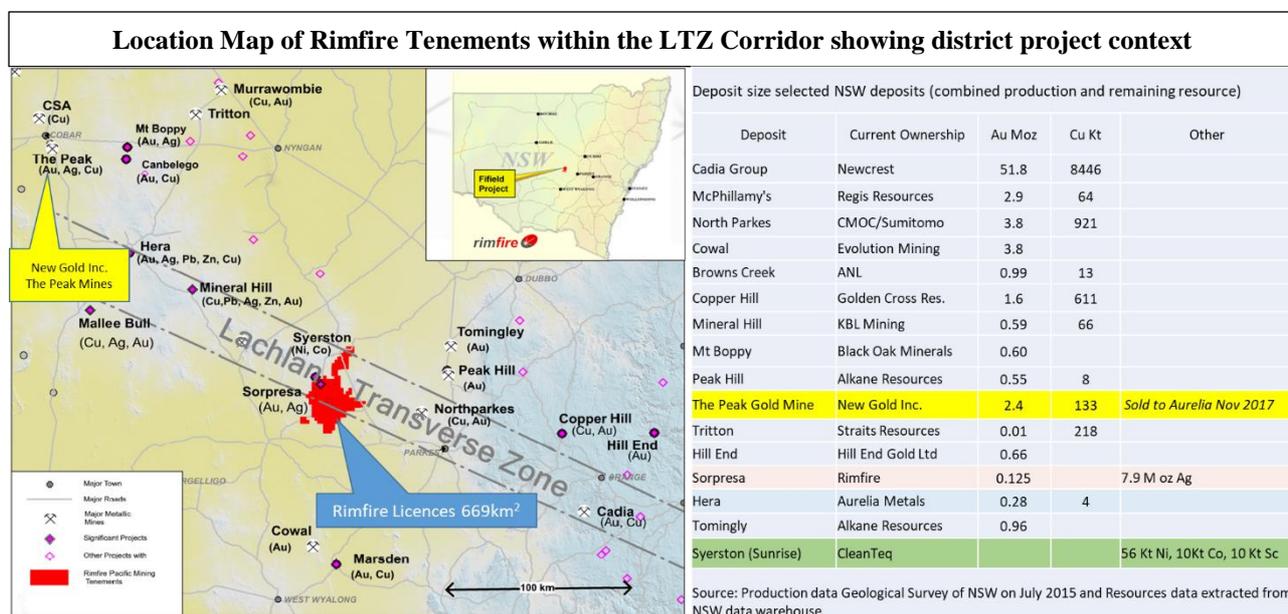
On 28<sup>th</sup> October 2016, Rimfire and New Gold Inc. (TSX/NYSE code: NGD) signed an [Earn-in Agreement](#) (ASX Release) under which New Gold Inc. has committed to spend A\$2 million during the first 12 month earn-in period (to 21 March 2018). Rimfire has direct discretionary control over \$300,000 (i.e.15%) of this expenditure.

New Gold Inc. may choose to spend more on the property (up to \$12 million in total, within 5 years) to earn up to a 70% interest in Rimfire’s tenements in the Fifield district.

The partnership allows Rimfire a high level of flexibility and engagement in its contributions to the Fifield project, to pursue Rimfire’s own discovery concepts in parallel with New Gold Inc. This is a unique feature in this earn-in agreement and means there is no downside to the partnership for Rimfire.

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.



Recent Presentation and Analyst hyperlinks related to Rimfire

- The Company released its [24<sup>th</sup> November AGM presentation](#)
- [New Gold Inc. provided their updated market presentation, which included reference to the Rimfire partnership at Fifield \(slide 12\)](#)
- [An analyst update was provided on the Company](#), through Share Café, Gavin Wendt (of Minelife)

## **Competent Persons Declarations**

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 Colin Plumridge who is deemed to be a Competent Person and is a Member of The Australasian Institute of Mining and Metallurgy.

Mr Plumridge has over 45 years' experience in the mineral and mining industry. Mr Plumridge is employed by Plumridge & Associates Pty. Ltd. and is a consulting geologist to the Company. Colin Plumridge 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'. Colin Plumridge has previously consented to the inclusion of the matters based on the information in the form and context in which it appears.

### **Historic information and previously published material under 2004 JORC standard that is referenced in this report:**

The information provided both the historic results and 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. Mr Colin Plumridge as a Competent Person consented to the inclusion in the original reports in the form and context in which each appeared, please refer to the Competent Persons declaration above for additional information.

**Table 2: 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
		<b>Total</b>	<b>3.0</b>	<b>1.06</b>	<b>22</b>	<b>103</b>	<b>2.1</b>
Silver	25 g/t Ag	Indicated	2.1	0.21	62	14	4.2
		Inferred	1.2	0.19	40	7	1.6
		<b>Total</b>	<b>3.4</b>	<b>0.20</b>	<b>54</b>	<b>22</b>	<b>5.8</b>
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
		<b>Total</b>	<b>6.4</b>	<b>0.61</b>	<b>38</b>	<b>125</b>	<b>7.9</b>

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.