

Sorpresa Gold and Silver Resource Appraisal Update

Highlights

- Rimfire has completed a re-interpretation of the Sorpresa Resource ([ASX Announcement: Sorpresa Maiden JORC Resource 23 December 2014](#)) mineralisation to assess if potential exists for a higher grade, lower tonnage project that generates a positive cash flow return.
- The re-interpretation includes 11,196m of additional drilling from 232 drill holes at Sorpresa between 2015 and 2017.
- The interpretation has been submitted to H&S Consultants Pty Ltd (H&SC), who did the original Sorpresa resource estimate in 2014, to generate an independent updated resource estimate.
- The preliminary updated H&S Consultants resource model was used by Australian Mine Design & Development (AMDAD) for initial pit optimisation analysis. The results of this work can be reported once H&S Consultants complete the updated JORC (2012) Resource Report for Sorpresa.
- Discovery of additional economic gold mineralisation at peripheral prospects such as Northern Gold would generate a more robust economic outcome. This work has been in progress [ASX Announcement: Northern Gold Prospect 4 April 2019](#).
- To better facilitate the monetisation of Sorpresa the company will complete a JORC (2012) compliant resource report that will allow results of resource modelling to be reported to shareholders and other interested parties in compliance with ASX reporting of ore reserves and mineral resources requirements.

Rimfire Pacific Mining NL (“Rimfire”) provides an update on the Sorpresa Gold and Silver Resources Appraisal process ([ASX Announcement: Sorpresa Appraisal Underway 15 October 2018](#)). The original Sorpresa Resource Estimate was done by H&S Consultants ([ASX Announcement: Sorpresa Maiden JORC Resource 23 December 2014](#)). Since completion of this resource estimate process, there was additional drilling undertaken at the Sorpresa project comprising of 11,196m of additional drilling from 232 drill holes between 2015 and 2017 (Table 1).

Table 1: Sorpresa Project Drillhole Data Summary

Item	2014		2015 - 2017		Total	
	Holes	drill metres	Holes	drill metres	Holes	drill metres
Collar	345	31,474	232	11,196	577	42,670

In pursuit of the Rimfire strategy of evaluating Sorpresa as a higher grade, lower tonnage mining operation it was essential to incorporate this additional drilling data as part of the re-evaluation of the Sorpresa mineralisation. A re-interpretation of Sorpresa was undertaken utilising all relevant available drill data and new geological perspectives generated from ongoing work in the Fifield area.

As the updated H&SC estimate is not JORC (2012) compliant, Rimfire is unable to disclose the outcome of this re-interpretation to shareholders. Additional work will be undertaken later in the year as funds and appropriate technical personnel are available to meet JORC (2012) reporting requirements.

To assist the company in maintaining a robust understanding of the options for monetisation of Sorpresa the updated H&SC resource model was submitted to Australian Mine Design & Development (AMDAD) for pit optimisation analysis. The results of this work are available for internal planning for the Sorpresa monetisation strategy, and will be publicly reported on receipt of an updated JORC (2012) Resource Report from H&SC.

While this work has been in progress there has been ongoing field assesment of prospects in close proximity to Sorpresa to identify further gold mineralisation that would support the monetisation options [ASX Announcement: Sorpresa Basin Exploration Results 1 April 2019](#) and [ASX Announcement: Northern Gold Prospect 4 April 2019](#). Results at Northern Gold support an RC drilling program targeting the fresh bedrock beneath the broad zone of historical gold mining pits. There has been no historical RC or diamond drilling of the bedrock in the vicinity of the extensive surface workings so the upside potential is quite exciting.

Craig Riley, Managing Director at Rimfire states:

"Results from the evaluation of the re-interpretation work on the Sorpresa geological model from 2014 at each intermediate milestone have been sufficiently encouraging to warrant continuing the process. The company continues to also work on pathways to monetise Sorpresa including deals with third parties. In parallel work is continuing on assessing highly prospective local targets such as Northern Gold that would significantly impact any monetisation outcomes for Sorpresa."

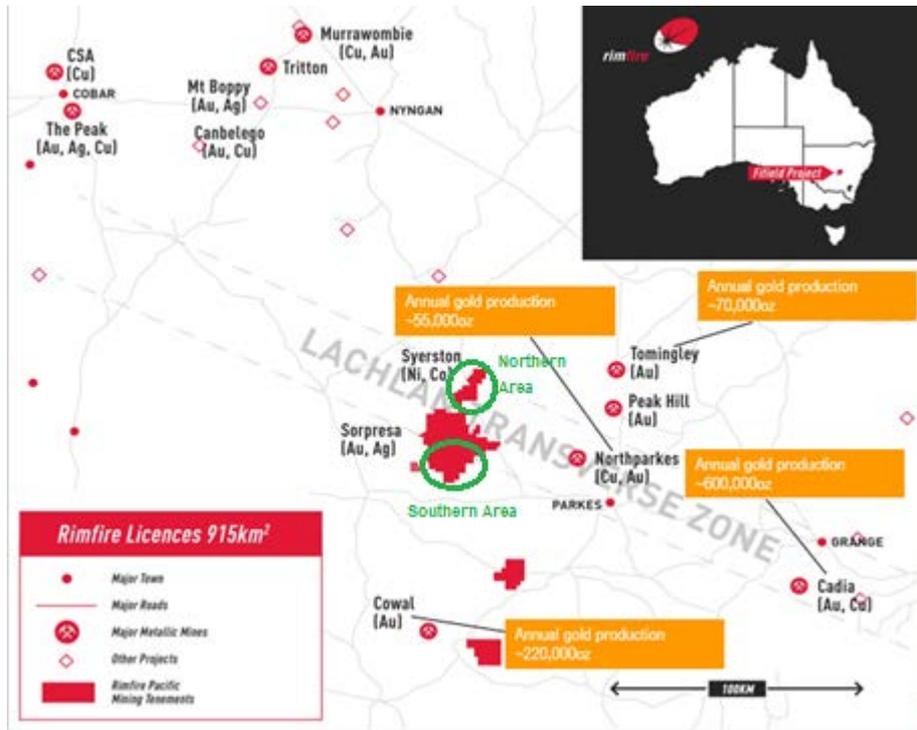
Craig Riley
Managing Director and CEO

Figure 1: Location Plan Sorpresa Resource and Adjacent Prospects



ABOUT RIMFIRE

Rimfire Pacific Mining is an ASX listed (code: RIM) resources exploration company with 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 Inferred & Indicated Maiden resource in 2014. The discovery history of Sorpresa is shown in the [ASX presentation to the Mineral Council May 2017](#). The information provided in “About Rimfire Pacific Mining section” is available to view on the company’s website: [ASX Announcements](#).



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 Rimfires 681km² contiguous tenements. The project area is very accessible by bitumen road and only 4.5 hours drive from Sydney.

Rimfire was recently granted two exploration licences covering 234km²; located 40 to 60kms south of the Fifield Project, in a prospective area now locked up by government moratorium on new licences. The moratorium is associated with the MinEx Cooperative Research Centre program (minexcrc.com.au)

Aspiration target scale in the wider Fifield District

The discovery aspiration ([established with New Gold Inc., during the 2017 earn-in venture](#)) 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.

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

Mr Axford has over 23 years’ experience in the mineral and mining industry. Mr Axford is employed by Geko-Co Pty Ltd and is a consulting geologist to the Company. Todd Axford 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’. Todd Axford consents to the inclusion of the matters based on the information in the form and context in which it appears.

The entity confirms in the subsequent public report that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of estimates of mineral resources or ore reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

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.
3. [ASX Announcement of Sorpresa Maiden Gold and Silver Resource 23 December 2014](#)

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.