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# Field Work Program Update

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## Highlights

- Rimfire is in negotiations with contractors to complete an initial aircore bedrock drilling program of 2,500 metres at the Northern and Southern Areas targeting large scale Northparkes (copper / gold) or Cowal (gold) style mineralisation.
- Testing of these areas with aircore drilling will allow the company to obtain bedrock samples for assessment of rock type, rock textures, mineral alteration assemblages and geochemistry.
- An RC drilling program of 500 metres at the Northern Gold prospect to test bedrock for potential of economic gold mineralisation intercepts at shallow depth (<50m) is also part of the contractor negotiations.
- Dr Ding (former China Regional Province Geological Survey Head of Department) during a recent site visit shares the view that Rimfire's drilling plans are the best approach for testing the Northern and Southern Areas for large scale Northparkes (copper / gold) or Cowal (gold) style mineralisation along with the drilling program to assess the Northern Gold prospect.

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Rimfire Pacific Mining NL ("Rimfire") provides an update on negotiations with specialised contractors for aircore and RC drilling at their Northern Gold, Northern and Southern area projects in New South Wales (Figures 1 and 2). Rimfire will undertake a RC drilling program on the Northern Gold Prospect and aircore drilling for the Northern and Southern areas, where transported soil cover prevent ability to obtain reliable soil or surface rock samples for geochemical analysis. Subject to the finalisation of permitting, land access, funding and final engagement with drilling contractors, the drilling programs are expected to start in Q3 2019.

At the **Northern Gold Prospect** there is an extensive area of relatively shallow (<6m) historic gold workings covering +350m strike length x 80m width, in what is interpreted as a gravel filled poorly formed valley (Figure 1). Results of recent exploration ([ASX Announcement: 4 April 2019](#)) indicate anomalous gold within the weathered bedrock below the gravels. The degree of weathering is high, creating the potential for gold depletion near surface. Historic workings across the area are thought to have been targeting coarse gold accumulations within the highly weathered bedrock at the base of the infilling gravels.

At the **Northern Area and Southern Areas** a review of geological and geophysical datasets indicates these areas are blocks of older Ordovician rocks that were previously interpreted as younger Siluro – Devonian age (Figure 2). This is significant as the districts major world class porphyry style deposits of the Cadia Complex (Newcrest Mining), Northparkes (CMOC) and Cowal (Evolution Mining) are all hosted in Ordovician age volcanics ([ASX Announcement: 9 April 2019](#)). The interpreted Ordovician volcanics covers an area of approximately 3km wide by 10km long (30km<sup>2</sup>) in the **Northern Area** (Figure 3) with reconnaissance geologic mapping currently 30% complete. The **Southern Area** (Figure 4) is approximately 6km wide by 15km long (100km<sup>2</sup>) with reconnaissance geologic mapping 100% complete ([ASX Announcement: 3 July 2018](#)).

A group of Chinese investors including Dr Jun Ding, recently visited the Fifield site. Dr Ding is a highly regarded Chinese geologist who was a former Regional Province Geological Survey Head of Department for five provinces and participated in the site visit to provide input on Rimfire's exploration projects at Northern Gold, Northern Area and Southern Area. Dr Ding provided positive feedback on the quality of technical work and potential of the work programs that the company was executing to achieve successful outcomes.

**Craig Riley, Managing Director at Rimfire states:**

*“The opportunity to undertake an RC drilling program at the Northern Gold prospect which at surface has an extensive history of hand mining is very exciting as there is no record of any previous bedrock drilling. The recent auger work at Northern Gold indicates the gold is not present in alluvial gravels above the bedrock.”*

*“The company is now looking forward to the next phase of fieldwork with excitement, and the opinions expressed by the highly respected geologist Dr Ding during the recent site visit supports the quality of technical interpretations and target testing strategies.”*

**Craig Riley**  
**Managing Director and CEO**

Figure 1: Location Plan Northern Gold



Figure 2: Location Plan Northern and Southern Areas

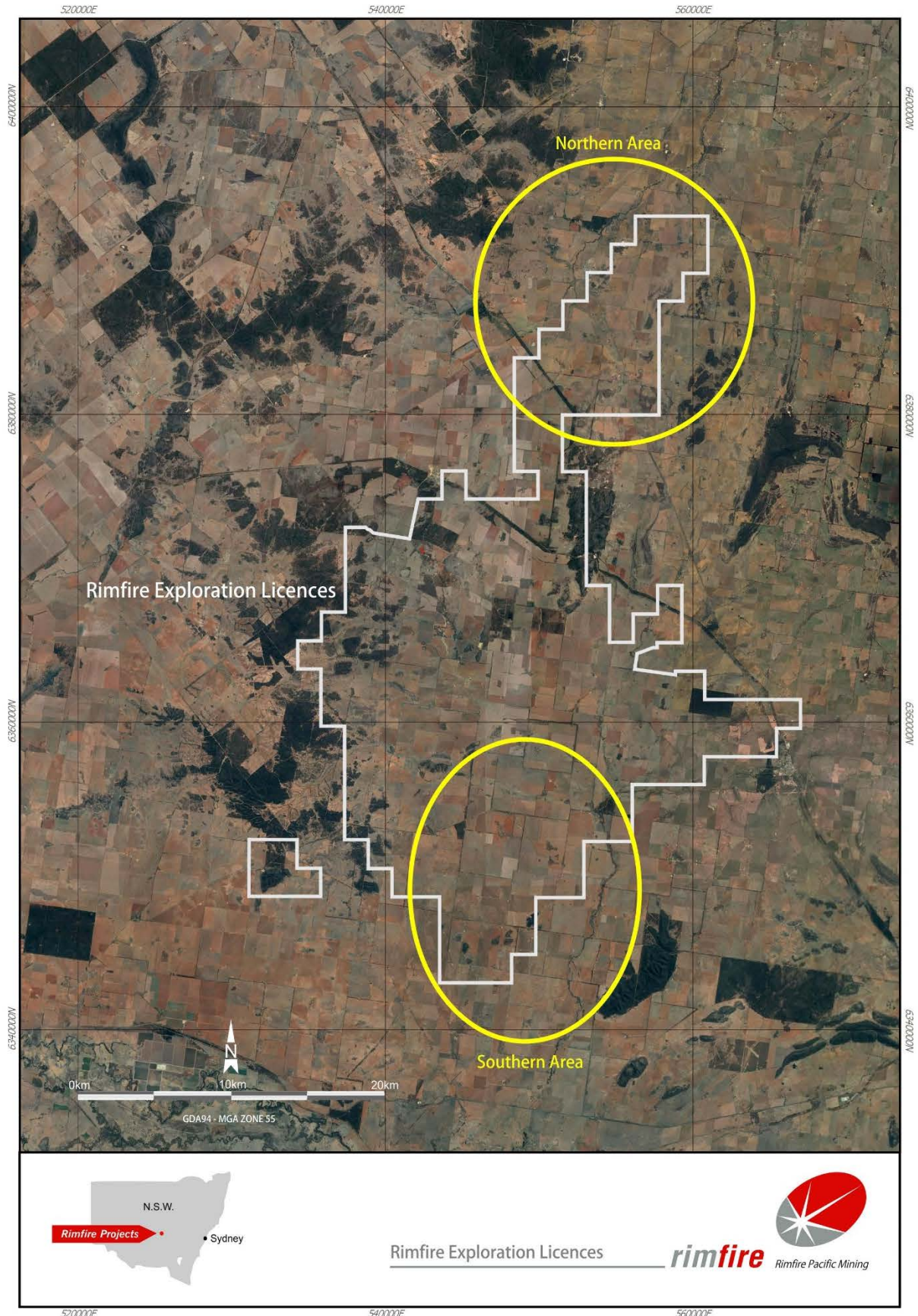
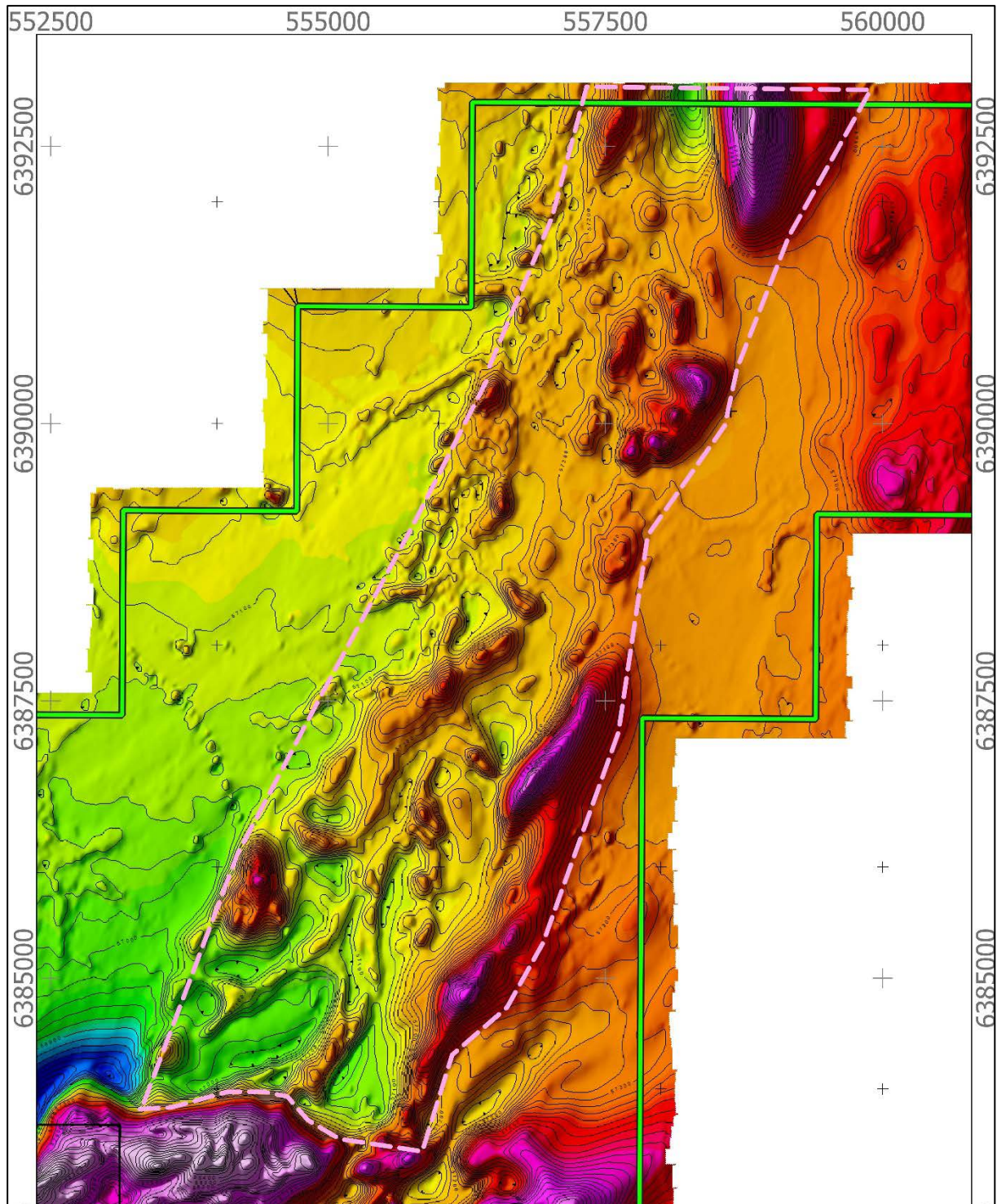


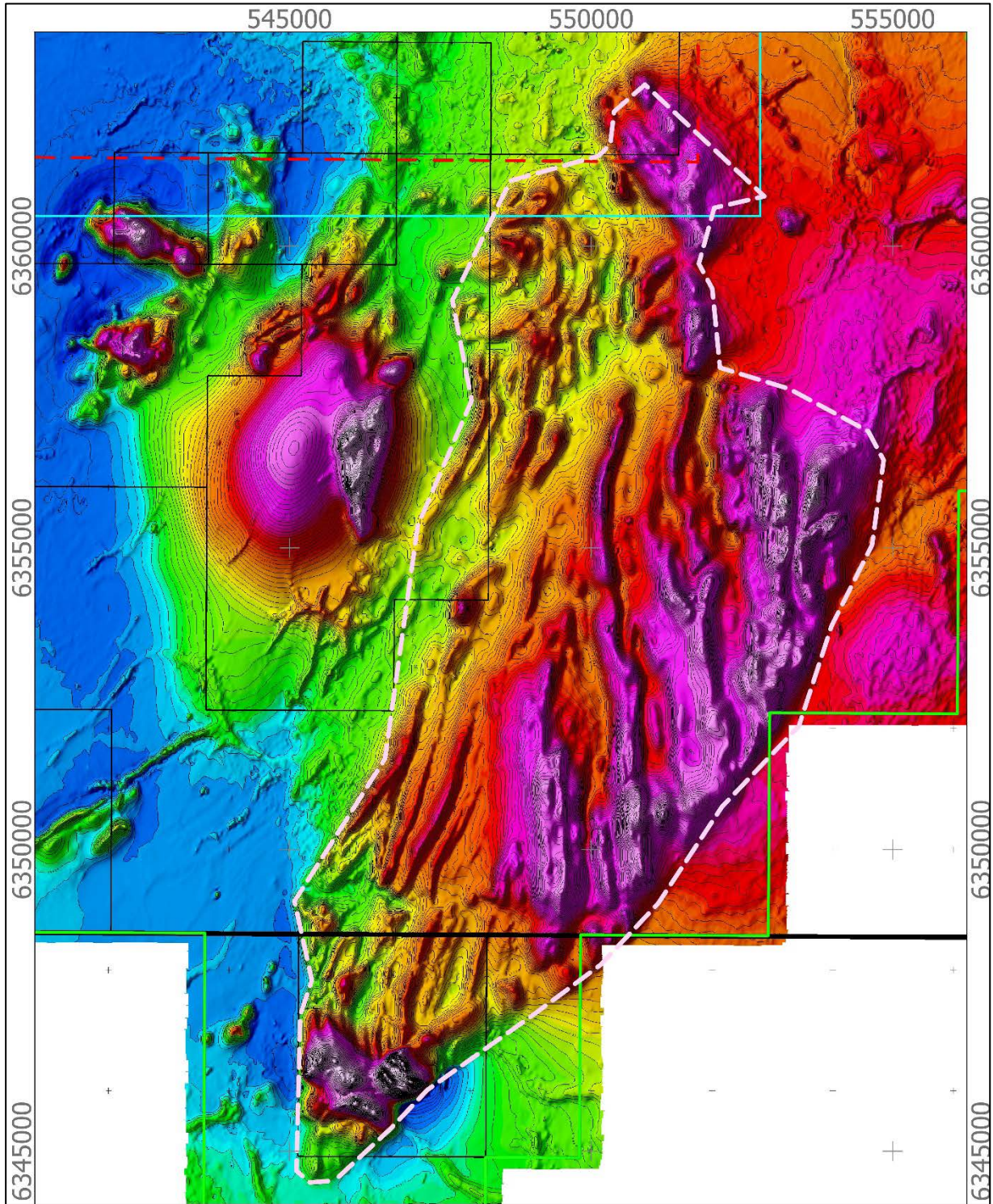
Figure 3: Northern Area Magnetics Imagery and Interpreted Boundary Ordovician Rocks (dashed line)



Green Line – Boundary of Rimfire Exploration Licences  
Magnetic Image – Total Magnetic Intensity (TMI) Reduced to Pole (RTP)

Coordinates GDA94 Zone 55

Figure 4: Southern Area Magnetics Imagery and Interpreted Boundary of Ordovician Rocks (dashed line)

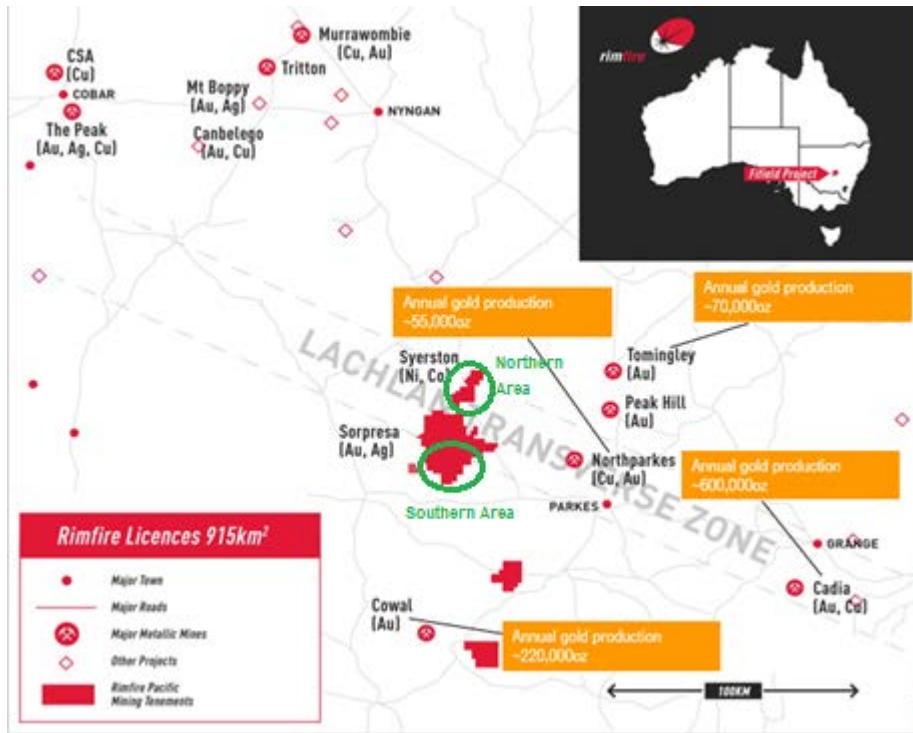


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**ABOUT RIMFIRE**

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 681km<sup>2</sup> 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 234km<sup>2</sup>; 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](http://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.*

**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.*