



19<sup>th</sup> May 2010

Company Announcements Platform  
Australian Securities Exchange

## **FULLY UNDERWRITTEN RENOUNCEABLE RIGHTS ISSUE**

Rimfire Pacific Mining NL (ASX: RIM, "Rimfire") is pleased to announce a fully underwritten renounceable rights issue (Rights Issue) to **raise approximately \$1.622 million before costs.**

**The Rights Issue is fully underwritten by Patersons Securities Limited and offers two (2) new shares and two (2) free new options for every five (5) shares held at an application price of 1.3 cents per share.** The company will apply for quotation of the new shares and new options on ASX.

The additional funds raised in the New Rights Issue will enable Rimfire to continue with its existing exploration projects involving Platinum, Gold and Base Metal at Fifield NSW, as well as diamonds at Bingara NSW, building upon the important milestones already established in these project areas.

The important dates for the Rights Issue time-table will be as follows:

<b>Lodgement date of the Prospectus with ASIC and ASX</b>	<b>20 May 2010</b>
<b>Lodgement of Form 3B with ASX</b>	
<b>Notice of Issue sent to eligible shareholders</b>	<b>21 May 2010</b>
<b>Shares trade "ex-rights" and Rights trading commences on the Australian Securities Exchange</b>	<b>26 May 2010</b>
<b>Record Date to determine Entitlements under the Rights Issue</b>	<b>1 June 2010</b>
<b>Prospectus and Entitlement and Acceptance Form despatched</b>	<b>4 June 2010</b>
<b>Last day of Rights trading</b>	<b>11 June 2010</b>
<b>Closing Date for acceptances</b>	<b>21 June 2010</b>
<b>Allotment and issue of New Shares and New Options</b>	<b>25 June 2010</b>
<b>Despatch of shareholding statements for New Shares and New Options</b>	<b>29 June 2010</b>

[Please note the above dates are indicative only. The Company reserves the right to vary the closing date of the Rights Issue, which may have a consequential effect on the subsequent dates.]

### **Exploration Activities – A Major Focus on Platinum and Gold Mineralisation at Fifield NSW**

A high standard of detailed exploration work conducted by the Company over an extended period means that the Fifield area has now been redefined in its mineralised potential. The Company has now established more than eight project areas and prospects of importance involving Platinum (Pt), Gold (Au) and Base Metals, constructing a new geological map for the district in the process.

The potential for commercial success for Platinum at Fifield is underpinned by key criteria now established as follows:

- **The regional geological context is favourable**, with Fifield residing in a highly mineralised corridor (Lachlan-Cadia Lineament) in NSW.
- **The scale of the combined Pt anomalies (6km<sup>2</sup>) is significant and extremely large.**
- **Coarse Pt is being recovered from the bedrock system. A geological control has been established, providing an overall proof of concept.**

- The coarse Pt encountered to date is confirmed as “**primary**” and of “**local provenance**” to the areas being explored.
- Whilst pursuing the bedrock potential for Pt is the major goal, **important Tier Two Pt targets have emerged**, including the extensive near surface gravels, the Deep Lead and the tributary systems on the Company freehold (210 hectares) in particular.
- If a resource(s) is established, **the metallurgical pathway for recovery of the coarse Pt grains appears to be a simple gravity process**, hence production costs for any possible commercial mining activity are likely to be at the lower end.
- **Platinum is a desirable class of commodity to pursue**, and priced at attractive levels, with a mix of industrial, financial and consumer demand. Pt is benchmarked as a “premium product” in society and appears to have a positive sentiment with tighter supply and increasing demand during 2010. Pricing recovered from USD\$800/oz in 2008 to the level of approximately USD\$1,650/oz (11<sup>th</sup> May 2010).

**In aggregate, this means the commercial Pt target being sought is a prize worth pursuing.**

*The vision for the Platinum projects at Fifield is to develop tier one resource areas within the bedrock that have “open cut mining characteristics”, for the primary coarse grain Platinum. Tier two Pt and Au targets will be exploited, if encountered and feasible, in the process.*

The mineralisation at Fifield is highly zoned and diverse, involving not only Platinum, but also Gold and Base Metals. To this extent, the gold mineralisation will also be further examined in the next period.

The major priorities for the Company during the next phase of exploration will involve:

- **Continued pursuit of a potential commercial outcome for tier one Pt targets** at the Platina-Gillenbine project area working on the Company freehold and adjacent locations.
  - This will involve completion of work in the Pit One area and additional sample sites targeting the Pt within the bedrock.
- **The delineation and bulk testing of tier two Pt targets** within the Platina Deep Lead and gravel systems on the Company freehold.
- **Advancing the understanding and definition of gold mineralisation systems** at Fifield, including prospects “Sorpresa”, “Eclipse North”, “Fifield Hard Rock”, “Ladera” and “Golden Green” areas. There is recognition that the Au potential could be significantly larger than previously thought.

The Company looks forward to embarking upon an exciting next stage of development and appreciates the support demonstrated by shareholders to date.

Yours faithfully



**JOHN KAMINSKY**  
Executive Chairman  
Rimfire Pacific Mining NL

*The information in the report to which this statement is attached that relates to Exploration Results is compiled by Mr Colin Plumridge, who is a Member of The Australian Institute of Mining and Metallurgy, each with over 30 years experience in the mineral exploration and mining industry. Mr Plumridge is employed by Plumridge & Associates Pty. Ltd. and is a consulting geologist to the Company. He has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which is being undertaken to qualify as Competent Persons as defined in the 2004 edition of the “Australian Code for Reporting of Mineral Resources and Ore reserves”. Mr Plumridge consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*