



Monday, 22nd September 2014
Company Announcement Office
Australian Securities Exchange

\$175,000 Awarded to Rimfire to Pursue Wider Sorpresa Area **NSW Government Co-operative Drilling Program Supports Company Initiatives**

Rimfire Pacific Mining NL (ASX:RIM) ("Rimfire" or "The Company") is pleased to advise it has been awarded approximately \$175,000 grant from the **NSW Government Department of Trade & Investment**, under its '[New Frontiers Co-operative Drilling Program](#)' initiative. The drilling funds will be used to make further progress of the wider Sorpresa Project area, at Fifield, NSW, and will be deployed over the next 12 months.

The Company extends its gratitude to the NSW Government for positively assessing the technical merits of the Company's wider Sorpresa area.

The **New Frontiers** Co-operative Drilling Program, is capped at a total of \$2M in funds, with individual recipients receiving up to a maximum of \$200,000 each. The program is a "dollar for dollar" matching program, where the Company undertakes the equivalent drilling expenditure to the grant value received.

The Wider Sorpresa Project Area was selected within the top 4 applicants (of 20 successfully awarded submission areas), based on the granted funds announced.

The Company continues to implement its strategy focused on growing and developing a high quality "prospect portfolio" complementing the Sorpresa gold and silver project area by pursuing prospect opportunities within an approximate 6km radius of Sorpresa. This Wider Sorpresa Area of 35km² has the potential for further significant discoveries, with early stage anomalies of promising character already being established in the district.

Executive Chairman, John Kaminsky stated:

"The award of funds from this Government program is very timely matching the Company's planning cycle and pursuit of its wider Sorpresa project area. We believe this is further vindication of the prospective nature of the area at Fifield.

A panel of experts assessed submissions, applying key criteria in the determination of applications for the New Frontiers Co-operative Drilling Program. This included *demonstrated prospectivity, sound financial planning and a proven technical base*. Drilling programs testing *new geological concepts in frontier regions* were considered favourably in the assessment process.

The Company congratulates the NSW Government led initiative, assisting exploration companies to fast track their proposals, encouraging new scientific discoveries that have the capacity to benefit NSW. This is particularly important given the difficult market conditions seen in the exploration industry in the last 18 months.

Regionally the Company now has five prospect areas with similar characteristics and scale that could be seen as comparable to Sorpresa, when it was at a similar early stage of exploration.

Pursuing a regional prospect portfolio development strategy in conjunction with Sorpresa is setting a strong foundation for the Company. The impressive regional prospecting within the Fifield district continues to support the Company's view that signs of a new gold & polymetallic district is emerging that demonstrates considerable potential."

ABOUT RIMFIRE PACIFIC MINING

Rimfire Pacific Mining is an ASX listed (code: RIM) resources exploration company that has its major emphasis focused at Fifield in central NSW, located within the Lachlan Transverse Zone (LTZ).

In 2010 the Company delivered a greenfields gold and silver discovery, named "Sorpresa", in the Fifield district. Subsequent exploration has provided evidence that the "Wider Sorpresa Area" is now considered a significant gold mineralised system of some promise. The gold is predominantly native gold.

Best gold and silver intersections achieved from the period mid-2012 to the current date on the Sorpresa Project area with locations shown include¹:

14m @ 21.9g/t Au plus 6m @ 93g/t Ag	Trench 31
14m @ 24.4g/t Au plus 26m @ 155g/t Ag	Roadside
10m @ 535g/t Ag plus 1.0g/t Au	Roadside
20m @ 230g/t Ag	Roadside North
1m @ 114g/t Au plus 1m @ 33g/t Ag	Boundary Gate East
16m @ 5.32g/t Au plus 20m @ 81g/t Ag	Roadside
4m @ 21.9g/t Au	Join Up
26m @ 90g/t Ag plus 26m @ 0.37g/t Au	Roadside

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 extension drilling.

The Company has now established multiple project areas of importance involving hard rock Gold (Au), Silver (Ag), Platinum (Pt) and Base Metal within a 6km radius of the Sorpresa discovery covering an extensive prospective 35km² area at Fifield, which is part of the contiguous 313km² tenement position held.

The two latest presentations on the Company are at hyperlinks:

[Presentation to Melbourne Mining Club 20th May 2014.](#)
[NSW Mining Conference Presentation Orange 27 August 2014.](#)

A **3D Exploration Model**, as at May 2014, depicting gold mineralisation at Sorpresa with a description of the recent RC drill program goals is available as a [video by hyperlink: Click Here.](#)

Company Strategy

The Company has been committed to pursue a **prospect portfolio strategy** of developing the regional prospects at Fifield to suitable stages, in parallel with the Sorpresa project area to achieve outcomes as follows:

- Enhance and highlight the Fifield district's appeal to deliver more discoveries within 6km radius of Sorpresa
- Metals pursued include Gold, Silver, Platinum and Base Metals
- Ensure the Company has the opportunity to make the best discoveries possible in its prospect portfolio
- Continue discovery growth at Sorpresa, looking for important contributions in the next phases of drilling
- Establish an initial resource at Sorpresa

Regional Prospects within 6km Radius of Sorpresa Project Area at Fifield

Prioritized current prospects and targets within 6kms of Sorpresa are being systematically assessed. Rimfire interprets a rift basin setting at Fifield, Back Arc to the World Class Macquarie Arc, and traversed by the crustal scale Lachlan Transverse Zone (LTZ) is host to multiple styles of significant mineralisation, with combined multimillion ounce gold equivalent potential. To date approximately **25 targets are revealed**.

Figure 1 shows the location and setting for these prospects which are grouped into 7 manageable "Target Domains", for gold and base metal, in terms of their logistical, spatial, deposit style and exploration stage;

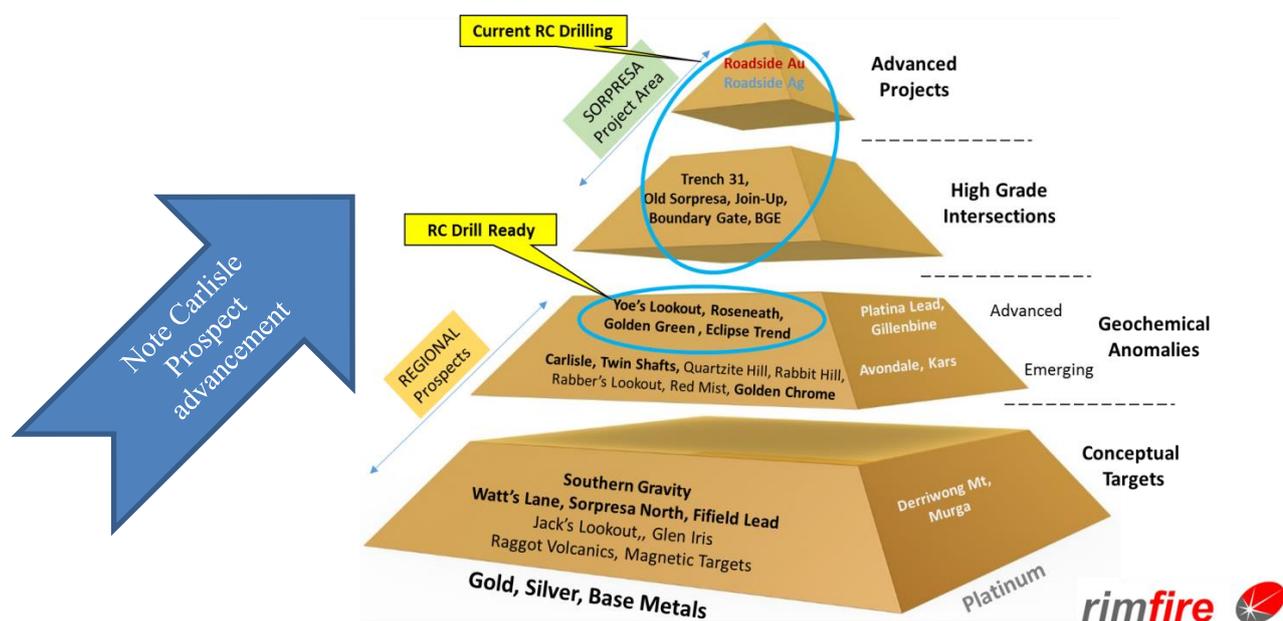
- 1. Sorpresa (Carbonate Base Metal Epithermal Au/Ag)** - Roadside North, Roadside, Original Sorpresa
- 2. Sorpresa (Carbonate Base Metal Epithermal Au)** - Join-Up, Boundary Gate, Boundary Gate East, Trench 31
- 3. Eclipse Trend (Au-VMS / Epithermal)** - McConnell's, Transit, Eclipse North, Eclipse, Eurimbla, Golden Chrome, Roseneath, Watt's Lane, Carlisle.
- 4. Yoes Lookout (Skarn and Structurally controlled Greenstone and Sediment hosted Au)**
- 5. Orogenics (Structurally controlled Greenstone and Sediment hosted Au)**- Golden Green, Golden Green South, Twin Shafts, Rabbit Hill, Golden Green East.

¹ Please refer to Table 1: **Dates and Hyperlinks for previously referred to results in this report**

6. **Sorpresa Extensions** – Sorpresa North, Quartzite Hill, Fifield Lead, Southern Gravity, Red Mist

7. **Conceptual** – Jack’s Lookout, Gravity Gradient, Raggot Volcanics, Glen Iris,

Work programs are at various stages of development on the prospects.



Rimfire Prospect Pyramid illustrated at increasing stages of advancement from Conceptual targets, Emerging and Advanced Geochemical Anomalies, Prospects with High Grade intersections, and Advanced Targets at Sorpresa.

Table of Comparison of more Advanced Prospects within 6km Radius of Sorpresa Projects

Location	Rock Chip g/t Au	Typical Soil ppb Au	Typical Auger ppb Au	Anomaly Length	RC Drill Au g/t	Open	Other	Historic Workings
Sorpresa	8.8	10~50	20~1,000	1.5km	14 @ 24.4	yes	IP/Gravity	Minor
Yoes Lookout	3.4	10~300	20~1,000	1.0km	N/A	yes	Magnetic Feature	No
Eclipse	18.7	N/A	20~500	1.2km	N/A	yes	Ag	Minor
Golden Green Group	8.1	N/A	10~100	0.5km	2m @ 9.11	yes	Mafic host?	Yes
Roseneath	3.7	8~300	15~80	0.8km	N/A	yes	Sorpresa Style?	No
Carlisle	23.0	9~50	N/A	0.8km	N/A	yes	Magnetic Feature	Minor

Competent Persons Declarations

The information in the report to which this statement is attached that relates to Exploration Results is based on information compiled by Colin Plumridge and Darren Glover. Both gentlemen are deemed to be Competent Persons and are Members of The Australasian Institute of Mining and Metallurgy.

Mr Plumridge has over 40 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 deposit 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 his historic information in the form and context in which it appears.

Mr Glover is employed by Rimfire Pacific Mining and has 18 years' experience in the mineral and mining industry. He has sufficient experience that is relevant to the style of mineralisation and type of deposit 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'. Mr Glover consents to the inclusion in the report of the matters based on his 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 in "About Rimfire Pacific Mining" is extracted from the reports entitled and listed in the table below created on the dates shown and is available to view additionally 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 announcement.

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 was the Competent Person at that time and consented to the inclusion in the original reports in the form and context in which it appeared, please refer to the Competent Persons declaration above for additional information.

Table 1 Dates and Hyperlinks for previously referred to results in this report

ASX November 9th 2007 Golden Green Gold Prospect Returns Encouraging Assay
ASX July 25th 2008 Quarterly Report For the period April 1st to June 30th 2008
ASX March 30th 2012 Coherent Gold geochemistry at Yoes Lookout Confirmed – Fifield NSW
ASX September 17th 2012 First Gold Sections Created at Sorpresa Project, Fifield NSW
ASX June 13 th 2012 High Grade Gold Intersection Sorpresa Project – Fifield NSW
ASX July 26 th 2012 Successful Intersections at Sorpresa Gold Project
ASX October 10 th 2012 Highest Gold and Silver Grades seen to date at Sorpresa Project
ASX December 18 th 2012 Sorpresa Project Produces More Encouraging Results
ASX March 27 th 2013 Additional Assays at Sorpresa Gold Project
ASX June 13 th 2013 Further Positive RC Drilling Results at Sorpresa Project
ASX July 17 th 2013 Diamond Drilling Reveals Bonanza Grade of 1m @ 114g/t Au
ASX October 21 st 2013 Results Confirm Extensions of Gold and Silver at Sorpresa Project
ASX December 20 th 2013 High Grade Silver extensions continue at Roadside
ASX February 14 th 2014 Gold Intersections Confirm New Intersections at Sorpresa
ASX May 16 th May 2014 4,000m RC Drilling Program at Sorpresa Project - Regional Intersection 2m @ 9.11g/t Gold
ASX May 30 th May 2014 Drilling Update and 3D Exploration Model for Sorpresa Project - 2m @ 7.49g/t Gold intersected
ASX July 23 rd 2014 Encouraging Regional Rock Chip Results up to 13.7g/t Gold, Fifield NSW
ASX August 18 th 2014 New High Grade Rock Chip Results up to 23g/t Au at Fifield NSW
ASX August 26 th 2014 Sorpresa Gold and Silver Mineralisation Extended at Fifield, NSW



JOHN KAMINSKY
Executive Chairman

Figure 1: Fifield Prospect and Concept Map with Sorpresa project and Other Prospect Locations

