

Second Phase of Drilling Completed at Southern Area

Highlights

- ✓ Completion of Phase 2 drilling at Rimfire's Fifield Exploration Licences including:
 - a. Twenty two aircore holes totalling 783m drilled across the Southern Area, and
 - b. Collection of a suite of 8 bedrock samples from Southern Area for analysis to determine if they have an Ordovician geochemical signature similar to the rocks that host the at Northparkes Cu/Au (CMOC) and Cowal Au (Evolution) deposits.
- ✓ Samples have been dispatched for assays and results expected to be released in January 2020. These results will influence the third phase of drilling scheduled for early 2020.

Rimfire Pacific Mining NL ("Rimfire", "Company"; ASX Code "RIM") advises that the second phase of the planned drilling program for the Southern Areas is complete. Samples have been dispatched to the laboratory, with results expected to be received and released in January 2020 after QAQC checks are complete. These results in conjunction with Phase 1 drilling will guide the final planning and drillhole locations for the third phase of drilling that is expected to commence early in 2020.

The program also obtained volcanic and intrusive bedrock samples for whole rock geochemical analysis to allow the company to make an assessment on characterisation of magma and similarity of rocks in the Southern Area to Ordovician Macquarie Arc volcanism which hosts significant local deposits such as Cowal (Au) and Northparkes Cu/Au. The results of this important work are expected to also be available in January 2020.



The aircore drilling of 22 holes totalling 783m at the Southern Area obtained regional bedrock lithological, geochemical and alteration samples from a highly prospective area where there is potential for a Cowal (Au) or Northparkes (Cu/Au) discovery.

After all results are reviewed, the drill locations for the third phase of the aircore program will be finalised, government and landowner approvals will be sought, and drilling is expected to commence in early 2020.

Rimfire Managing Director Craig Riley states:

"If the Southern Area rock samples have a similar geochemical signature to the Macquarie Arc Ordovician volcanism it will strengthen the interpretation that the Southern Area includes rocks that are similar to the host rocks at Cowal (Au) and Northparkes (Cu/Au) which are two significant local mines. These results in combination with assay results from aircore drilling will be used to rank the area's potential for significant gold or copper / gold mineralisation."

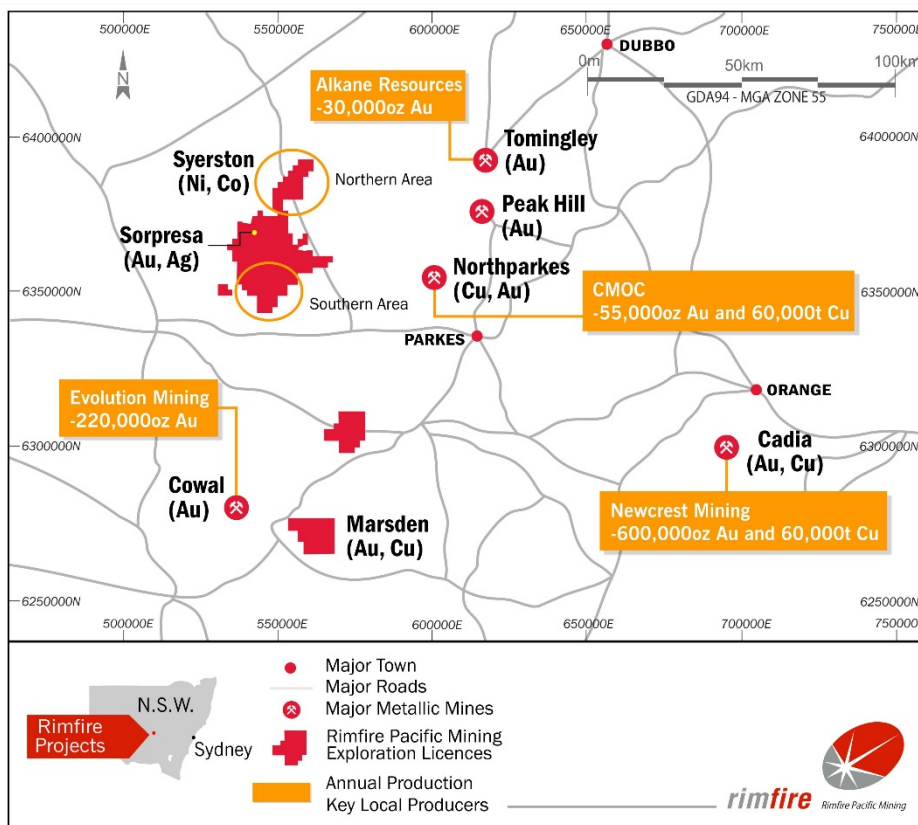
For and on behalf of the Board of Directors
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ABOUT RIMFIRE

Rimfire Pacific Mining (RIM) is an ASX listed resources exploration company with its major focus at Fifield in central NSW, located within the Lachlan Transverse Zone (LTZ). In 2011 the Company made a greenfields discovery, named “Sorpresa”, announcing a JORC Inferred & Indicated Maiden resource in 2014. The information provided in “About Rimfire” is available to view on the company’s website: [ASX Announcements](#).

Figure 1: Location Plan Rimfire Exploration Licences and Project Areas



Rimfire is exploring for a major copper / gold or gold mineralised system such as at Northparkes (Cu/Au) or Cowal (Au) on 915km² of Exploration Licences 100km west of Parkes in central NSW. Multiple prospects with potential for further gold discoveries exist in the area around Sorpresa which are part of Rimfire’s 681km² contiguous tenements. Rimfire also holds two exploration licences covering 234km²; located 40 to 60kms south of the Fifield Project, in a prospective area now part of a moratorium associated with the MinEx Cooperative Research Centre program (minexcrc.com.au)

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