

## Initial assays indicate presence of high grade gold at Transit

### Highlights

- ✓ Assay results have been received for 3 completed RC holes at 60 degrees dip totaling 231m (average depth 77m) at Transit prospect in Lachlan Fold Belt.
- ✓ Hole Fi2072 indicates a down hole intercept of 55m at an average grade of 0.94g/t Au from 6m.
- ✓ Final 1m, 60m to 61m(End of Hole) for Fi2072 assayed 9.98g/t Au.
- ✓ Assay results have been based on 2 metre samples. ALS will now re-assay 1 metre samples.

Rimfire Pacific Mining NL ("Rimfire", "Company"; ASX Code "RIM") advises that assay results from a 3 hole RC program at the Transit Prospect, located in the Lachlan Fold Belt have been received. The Transit prospect is within the GPR Earn-in Area (ASX Announcement: \$4.5M Earn-in Agreement 4May2020). One hole (Fi2072) at Transit had an intercept of 55m at average grade of 0.94g/t Au from 6m hole depth with two significant intercepts:

- 14m @ 1.76g/t Au from 6m
- 1m @ 9.98g/t Au from 60m

The 40m interval from 20m to 60m between these 2 intercepts averaged 0.43g/t Au. The gold assaying was undertaken by ALS with standard internal QA/QC controls. The 123 assay samples (Table 1) assayed from Transit included 3 standards, 2 blanks and 1 duplicate with acceptable QA/QC results. There were no assays for other elements. Rimfire is in the process of submitting a new set of 1m interval samples for hole Fi2072 to reconfirm tenor of gold mineralisation.

The holes at Transit were drilled to better understand the general geological setting of previous work undertaken in 2017 at the Prospect (ASX Announcement: Drilling Intersects Transit 19Sep2017). They were drilled in the same area as previous work at Transit (Figure 1).

Once the company is able to review all re-assays and assess current work program results in context of previous work at Transit it will be able to outline the next phase of work. The company will also soon be releasing results from various other recent drilling programs at other locations.

## Rimfire Managing Director Craig Riley states:

"These excellent recent results support the ongoing potential for further mineralisation in close proximity to the Sorpresa Development Project."

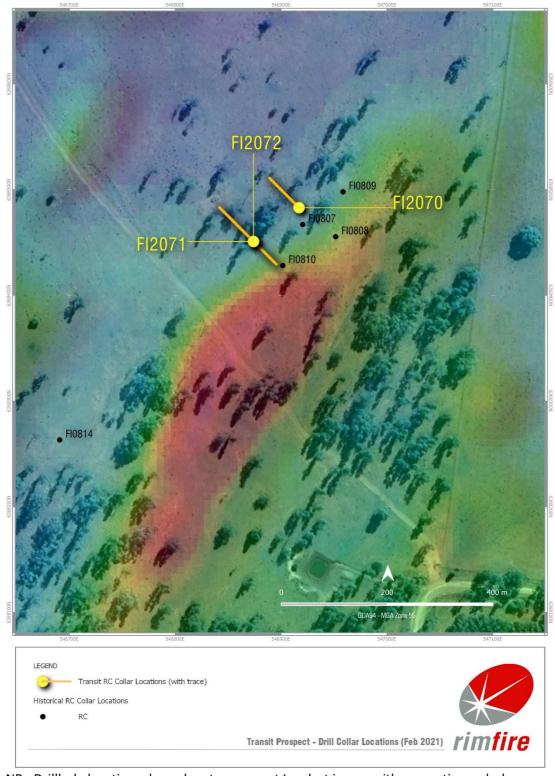
This announcement is authorised for release to the market by the Board of Directors of Rimfire Pacific Mining NL. For further information please contact:

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## Going for gold.



#### Figure 1: Transit Drilling Locations



NB: Drillhole locations draped on transparent Landsat image with magnetics underlay GDA 94 MGA Zone 55 (Map Grid 2020 plots same location on above Figure)

|   | Hole ID | Mag_Azimuth | Dip   | End of Hole | GDA East | GDA North | RL  |
|---|---------|-------------|-------|-------------|----------|-----------|-----|
| 1 |         | (deg)       | (deg) | (m)         | UDA_Last | GDA_NOT   | NL. |
|   | Fi2070  | 315         | -60   | 79          | 546917   | 6368483   | 286 |
|   | Fi2071  | 315         | -60   | 91          | 546874   | 6368451   | 289 |
|   | Fi2072  | 135         | -60   | 61          | 546874   | 6368451   | 289 |

Going for gold.



| Hole_ID | From (m) | To (m) | Sample  | GDA_East | GDA_North | Au (ppm) |
|---------|----------|--------|---------|----------|-----------|----------|
| FI2070  | 0        | 2      | FC24245 | 546917   | 6368483   | < 0.005  |
| FI2070  | 2        | 4      | FC24246 | 546917   | 6368483   | <0.005   |
| FI2070  | 4        | 6      | FC24247 | 546917   | 6368483   | <0.005   |
| FI2070  | 6        | 8      | FC24248 | 546917   | 6368483   | <0.005   |
| FI2070  | 8        | 10     | FC24249 | 546917   | 6368483   | <0.005   |
| FI2070  | 10       | 12     | FC24250 | 546917   | 6368483   | 0.075    |
| FI2070  | 12       | 14     | FC24251 | 546917   | 6368483   | 0.17     |
| FI2070  | 14       | 16     | FC24252 | 546917   | 6368483   | 0.006    |
| FI2070  | 16       | 18     | FC24253 | 546917   | 6368483   | 0.052    |
| FI2070  | 18       | 20     | FC24255 | 546917   | 6368483   | 0.077    |
| FI2070  | 20       | 22     | FC24256 | 546917   | 6368483   | 0.005    |
| FI2070  | 22       | 24     | FC24257 | 546917   | 6368483   | 0.007    |
| FI2070  | 24       | 26     | FC24258 | 546917   | 6368483   | 0.005    |
| FI2070  | 26       | 28     | FC24259 | 546917   | 6368483   | <0.005   |
| FI2070  | 28       | 30     | FC24260 | 546917   | 6368483   | <0.005   |
| FI2070  | 30       | 32     | FC24261 | 546917   | 6368483   | <0.005   |
| FI2070  | 32       | 34     | FC24262 | 546917   | 6368483   | 0.014    |
| FI2070  | 34       | 36     | FC24263 | 546917   | 6368483   | 0.026    |
| FI2070  | 36       | 38     | FC24264 | 546917   | 6368483   | 0.009    |
| FI2070  | 38       | 40     | FC24265 | 546917   | 6368483   | 0.018    |
| FI2070  | 40       | 42     | FC24266 | 546917   | 6368483   | 0.026    |
| FI2070  | 42       | 44     | FC24267 | 546917   | 6368483   | 0.01     |
| FI2070  | 44       | 46     | FC24268 | 546917   | 6368483   | 0.031    |
| FI2070  | 46       | 48     | FC24269 | 546917   | 6368483   | 0.012    |
| FI2070  | 48       | 50     | FC24270 | 546917   | 6368483   | 0.009    |
| FI2070  | 50       | 52     | FC24271 | 546917   | 6368483   | 0.01     |
| FI2070  | 52       | 54     | FC24272 | 546917   | 6368483   | 0.014    |
| FI2070  | 54       | 56     | FC24273 | 546917   | 6368483   | 0.014    |
| FI2070  | 56       | 58     | FC24275 | 546917   | 6368483   | 0.019    |
| FI2070  | 58       | 60     | FC24276 | 546917   | 6368483   | 0.016    |
| FI2070  | 60       | 62     | FC24277 | 546917   | 6368483   | 0.009    |
| FI2070  | 62       | 64     | FC24278 | 546917   | 6368483   | 0.01     |
| FI2070  | 64       | 66     | FC24279 | 546917   | 6368483   | 0.016    |
| FI2070  | 66       | 68     | FC24280 | 546917   | 6368483   | 0.016    |
| FI2070  | 68       | 70     | FC24281 | 546917   | 6368483   | 0.007    |
| FI2070  | 70       | 72     | FC24282 | 546917   | 6368483   | 0.018    |
| FI2070  | 72       | 74     | FC24283 | 546917   | 6368483   | 0.014    |
| FI2070  | 74       | 76     | FC24284 | 546917   | 6368483   | 0.015    |
| FI2070  | 76       | 78     | FC24285 | 546917   | 6368483   | 0.021    |
| FI2070  | 78       | 79     | FC24286 | 546917   | 6368483   | 0.015    |

#### Table 1: Assay Results for Transit Drilling

Laboratory: Assay Techniques: ALS

Au 30g Fire Assay with AA finish (Au-AA23 Code) No base metal element suite assays

Going for gold.



| Hole_ID          | From (m) | To (m)   | Sample             | GDA_East         | GDA_North          | Au (ppm)        |
|------------------|----------|----------|--------------------|------------------|--------------------|-----------------|
| FI2071           | 0        | 2        | FC24287            | 546874           | 6368451            | 0.052           |
| FI2071           | 2        | 4        | FC24288            | 546874           | 6368451            | 0.166           |
| FI2071           | 4        | 6        | FC24289            | 546874           | 6368451            | 0.259           |
| FI2071           | 6        | 8        | FC24290            | 546874           | 6368451            | 0.032           |
| FI2071           | 8        | 10       | FC24291            | 546874           | 6368451            | 0.023           |
| FI2071           | 10       | 12       | FC24292            | 546874           | 6368451            | 0.017           |
| FI2071           | 12       | 14       | FC24293            | 546874           | 6368451            | 0.023           |
| FI2071           | 14       | 16       | FC24295            | 546874           | 6368451            | 0.035           |
| FI2071           | 16       | 18       | FC24296            | 546874           | 6368451            | 0.005           |
| FI2071           | 18       | 20       | FC24297            | 546874           | 6368451            | 0.006           |
| FI2071           | 20       | 22       | FC24298            | 546874           | 6368451            | 0.006           |
| FI2071           | 22       | 24       | FC24299            | 546874           | 6368451            | 0.049           |
| FI2071           | 24       | 26       | FC24300            | 546874           | 6368451            | 0.047           |
| FI2071           | 26       | 28       | FC24301            | 546874           | 6368451            | 0.031           |
| FI2071           | 28       | 30       | FC24302            | 546874           | 6368451            | 0.03            |
| FI2071           | 30       | 32       | FC24303            | 546874           | 6368451            | 0.006           |
| FI2071           | 32       | 34       | FC24304            | 546874           | 6368451            | 0.013           |
| FI2071           | 34       | 36       | FC24305            | 546874           | 6368451            | 0.009           |
| FI2071           | 36       | 38       | FC24306            | 546874           | 6368451            | 0.023           |
| FI2071           | 38       | 40       | FC24307            | 546874           | 6368451            | 0.015           |
| FI2071           | 40       | 42       | FC24308            | 546874           | 6368451            | 0.039           |
| FI2071           | 42       | 44       | FC24309            | 546874           | 6368451            | 0.013           |
| FI2071           | 44       | 46       | FC24310            | 546874           | 6368451            | 0.015           |
| FI2071           | 46       | 48       | FC24311            | 546874           | 6368451            | 0.013           |
| FI2071           | 48       | 50       | FC24312            | 546874           | 6368451            | 0.013           |
| FI2071           | 50       | 52       | FC24313            | 546874           | 6368451            | 0.031           |
| FI2071           | 52       | 54       | FC24315            | 546874           | 6368451            | 0.013           |
| FI2071           | 54       | 56       | FC24316            | 546874           | 6368451            | 0.016           |
| FI2071           | 56       | 58       | FC24317            | 546874           | 6368451            | 0.014           |
| FI2071           | 58       | 60       | FC24318            | 546874           | 6368451            | 0.013           |
| FI2071           | 60       | 62       | FC24319            | 546874           | 6368451            | 0.011           |
| FI2071           | 62       | 64       | FC24320            | 546874           | 6368451            | 0.015           |
| FI2071           | 64       | 66       | FC24321            | 546874           | 6368451            | 0.055           |
| FI2071           | 66       | 68       | FC24322            | 546874           | 6368451            | 0.082           |
| FI2071           | 68       | 70       | FC24323            | 546874           | 6368451            | 0.085           |
| FI2071           | 70       | 72       | FC24324            | 546874           | 6368451            | 0.068           |
| FI2071           | 72       | 74       | FC24325            | 546874           | 6368451            | <0.005          |
| FI2071           | 74       | 76       | FC24326            | 546874           | 6368451            | <0.005          |
| FI2071           | 76       | 78       | FC24327<br>FC24328 | 546874           | 6368451            | <0.005<br>0.018 |
| FI2071           | 78       | 80<br>82 |                    | 546874           | 6368451<br>6268451 | 0.018           |
| FI2071           | 80<br>82 | 82       | FC24329            | 546874           | 6368451<br>6268451 |                 |
| FI2071           | 82       | 84       | FC24330            | 546874           | 6368451<br>6268451 | 0.006           |
| FI2071<br>FI2071 | 84<br>86 | 86<br>88 | FC24331<br>FC24332 | 546874<br>546874 | 6368451<br>6368451 | <0.005<br>0.008 |
| FI2071<br>FI2071 | 88       | 90       | FC24332            | 546874           | 6368451            | < 0.008         |
| FI2071<br>FI2071 | 90       |          |                    |                  |                    |                 |
| F12071           | 90       | 91       | FC24335            | 546874           | 6368451            | 0.007           |

Laboratory: Assay Techniques: ALS Au 30g Fire Assay with AA finish (Au-AA23 Code) No base metal element suite assays



| Hole_ID | From (m) | To (m) | Sample  | GDA_East | GDA_North | Au (ppm) |
|---------|----------|--------|---------|----------|-----------|----------|
| FI2072  | 0        | 2      | FC24336 | 546874   | 6368451   | 0.088    |
| FI2072  | 2        | 4      | FC24337 | 546874   | 6368451   | 0.111    |
| FI2072  | 4        | 6      | FC24338 | 546874   | 6368451   | 0.242    |
| FI2072  | 6        | 8      | FC24339 | 546874   | 6368451   | 1.23     |
| FI2072  | 8        | 10     | FC24340 | 546874   | 6368451   | 1.1      |
| FI2072  | 10       | 12     | FC24341 | 546874   | 6368451   | 1.215    |
| FI2072  | 12       | 14     | FC24342 | 546874   | 6368451   | 1.34     |
| FI2072  | 14       | 16     | FC24343 | 546874   | 6368451   | 2.35     |
| FI2072  | 16       | 18     | FC24344 | 546874   | 6368451   | 3.38     |
| FI2072  | 18       | 20     | FC24345 | 546874   | 6368451   | 1.695    |
| FI2072  | 20       | 22     | FC24346 | 546874   | 6368451   | 0.466    |
| FI2072  | 22       | 24     | FC24347 | 546874   | 6368451   | 0.334    |
| FI2072  | 24       | 26     | FC24348 | 546874   | 6368451   | 0.29     |
| FI2072  | 26       | 28     | FC24349 | 546874   | 6368451   | 0.638    |
| FI2072  | 28       | 30     | FC24350 | 546874   | 6368451   | 0.853    |
| FI2072  | 30       | 32     | FC24351 | 546874   | 6368451   | 0.228    |
| FI2072  | 32       | 34     | FC24352 | 546874   | 6368451   | 0.267    |
| FI2072  | 34       | 36     | FC24353 | 546874   | 6368451   | 0.32     |
| FI2072  | 36       | 38     | FC24355 | 546874   | 6368451   | 0.693    |
| FI2072  | 38       | 40     | FC24356 | 546874   | 6368451   | 0.303    |
| FI2072  | 40       | 42     | FC24357 | 546874   | 6368451   | 0.154    |
| FI2072  | 42       | 44     | FC24358 | 546874   | 6368451   | 0.168    |
| FI2072  | 44       | 46     | FC24359 | 546874   | 6368451   | 0.376    |
| FI2072  | 46       | 48     | FC24360 | 546874   | 6368451   | 0.193    |
| FI2072  | 48       | 50     | FC24361 | 546874   | 6368451   | 0.336    |
| FI2072  | 50       | 52     | FC24362 | 546874   | 6368451   | 0.538    |
| FI2072  | 52       | 54     | FC24363 | 546874   | 6368451   | 0.435    |
| FI2072  | 54       | 56     | FC24364 | 546874   | 6368451   | 0.918    |
| FI2072  | 56       | 58     | FC24365 | 546874   | 6368451   | 0.518    |
| FI2072  | 58       | 60     | FC24366 | 546874   | 6368451   | 0.492    |
| FI2072  | 60       | 61     | FC24367 | 546874   | 6368451   | 9.98     |

Laboratory: Assay Techniques: ALS

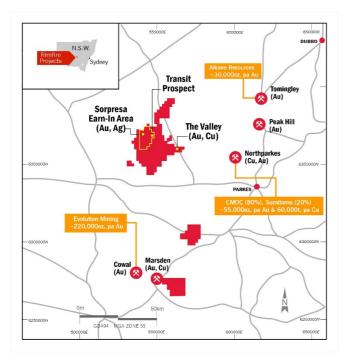
Au 30g Fire Assay with AA finish (Au-AA23 Code) No base metal element suite assays





#### 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 and Indicated maiden resource in 2014. The information provided in "About Rimfire" is available to view on the company's website: <u>ASX Announcements</u>. In May 2020, Rimfire signed an Earn-in Agreement with Golden Plains Resources (GPR) covering an area of 103km<sup>2</sup> covering Sorpresa and surrounding area.



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. It includes multiple prospects with potential for further gold discoveries in the 103km<sup>2</sup> area within the GPR Earnin area around Sorpresa with all work in this area funded by GPR. Rimfire retains responsibility for funding exploration programs over the rest of its Exploration Licences that also includes two licences covering 234km<sup>2</sup> located about 50kms south of the Fifield Project in a prospective area that is now part of the MinEx Cooperative Research Centre program (minexcrc.com.au).

#### Competent Persons Declaration

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

*Mr* Riley has over 25 years' experience in the mineral and mining industry. *Mr* Riley is employed by Rimfire Pacific Mining (RIM) and is an employee of the Company. Craig Riley 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'. Craig Riley 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.





### Table 2: JORC Code Reporting Criteria

Section 1 Sampling Techniques and Data - RC Drilling

| Criteria                 | JORC Code explanation   | Commentary   |
|--------------------------|---|--|
| Sampling<br>techniques   | Nature and quality of sampling (e.g. cut channels,<br>random chips, or specific specialised industry<br>standard measurement tools appropriate to the<br>minerals under investigation, such as down hole<br>gamma sondes, or handheld XRF instruments, etc).<br>These examples should not be taken as limiting the<br>broad meaning of sampling.  | RC sampling<br>Each sample represents a sample collected straight from<br>the cyclone which has two outlet vents for sample<br>collection. Sample collection is every single metre a bulk<br>sample is collected direct from an outlet vent on the<br>cyclone. These samples are put into a row of 1m samples<br>and then a composite sample is collected every 2 metres<br>with multiple spearing of bulk sample bag using a PVC<br>tube to achieve a 3 to 4kg sample. In addition a second<br>sample is taken every single meter from a side shute on<br>cyclone straight into a calico bag (3-4kg). This second<br>sample is stored as an additional backup sample. |
|                          | Include reference to measures taken to ensure sample<br>representativity and the appropriate calibration of any<br>measurement tools or systems used.   | Composite sample is collected every 2 metres with multiple<br>spearing of 2 x 1 m interval bulk sample bags using a PVC<br>tube to achieve a 3 to 4kg sample collected.<br>Blank samples, reference standards and duplicates were<br>inserted into the sample sequence for QA/QC.  |
|                          | Aspects of the determination of mineralisation that are<br>Material to the Public Report.   | Industry standard preparation, including sample crushing<br>and pulverising prior to subsampling for an assay sample.<br>The field collected samples were typically 2.0 to 4.0kg.  |
|                          | In cases where 'industry standard' work has been<br>done this would be relatively simple (e.g. 'reverse<br>circulation drilling was used to obtain 1 m samples<br>from which 3 kg was pulverised to produce a 30 g<br>charge for fire assay'). In other cases more<br>explanation may be required, such as where there is<br>coarse gold that has inherent sampling problems.<br>Unusual commodities or mineralisation types (e.g.<br>submarine nodules) may warrant disclosure of<br>detailed information. | 25 g of pulverized sample was utilized for gold determination via Aqua Regia.  |
| Drilling<br>techniques   | Drill type (e.g. core, reverse circulation, open-hole<br>hammer, rotary air blast, auger, Bangka, sonic, etc)<br>and details (e.g. core diameter, triple or standard tube,<br>depth of diamond tails, face-sampling bit or other<br>type, whether core is oriented and if so, by what<br>method, etc).  | All holes were drilled using RC drill rig. All holes were inclined at 60 degrees from horizontal.  |
| Drill sample<br>recovery | Method of recording and assessing core and chip sample recoveries and results assessed.   | An approximate estimate of total sample quantity was<br>recorded with each 1m interval by comparing volumes<br>within each bulk bag of sample yielded from the cyclone. A<br>visual estimate of 0, 25, 50, 75, 100, 125% was recorded<br>for each metre.   |
|                          | Measures taken to maximise sample recovery and<br>ensure representative nature of the samples.  | The drillers adjusted penetration and air pressure rates<br>according to ground conditions to optimise recoveries. The<br>cyclone was cleaned regularly, and holes were reamed in<br>between rod changes to reduce contamination   |



|                             | Whether a relationship exists between sample<br>recovery and grade and whether sample bias may<br>have occurred due to preferential loss/gain of<br>fine/coarse material.                                     | Not applicable  |
|-----------------------------|---|---|
| Criteria                    | JORC Code explanation   | Commentary  |
| Logging                     | Whether core and chip samples have been<br>geologically and geotechnically<br>logged to a level of detail to support appropriate<br>Mineral Resource estimation, mining studies and<br>metallurgical studies. | Samples were sieved, rinsed in water and collected into RC chip trays. Chips were logged at site. The duplicate samples collected are also utilised as necessary for further geological logging aimed primarily at assessing the litho type and for future reference purposes eg cross matching of assay results with sample. |
|                             | Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.  | Geological logging of chips/rock samples is qualitative by nature.  |
|                             | The total length and percentage of the relevant intersections logged.   | Not applicable  |
| Sub-sampling techniques and | If core, whether cut or sawn and whether quarter, half or all core taken.   | Not applicable  |
| sample<br>preparation       | If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.   | RC drilling samples were scooped with PVC pipe from the total output of cuttings that passed through the cyclone on the rig. Samples were dry.  |
|                             | For all sample types, the nature, quality and appropriateness of the sample preparation technique.  | Given the qualitative nature of the sample medium (refer to sampling techniques section above) this process is considered appropriate.  |
|                             | Quality control procedures adopted for all sub-<br>sampling stages to maximise representivity of<br>samples.  | All sampling equipment is inspected between samples to ensure clean of residual material.   |
|                             | Measures taken to ensure that the sampling is<br>representative of the in-situ material collected,<br>including for instance results for field<br>duplicate/second-half sampling.                             | Field duplicates, blanks and standards were inserted in the<br>sample stream before being submitted to the commercial<br>laboratory. No issues have been identified.  |
|                             | Whether sample sizes are appropriate to the grain size of the material being sampled.   | Sample sizes of between 2-4 kg are considered suitable for a qualitative assessment for indications of mineralisation.  |



| Quality of assay<br>data and<br>laboratory tests | The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.   | Reported Gold was assayed via Aqua Regia which is<br>considered a partial method of dissolution with a 30g fire<br>assay finish. This is an industry accepted methodology. |
|--|--|--|
|  | For geophysical tools, spectrometers, handheld XRF instruments (fpXRF), etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. | Not applicable   |
|  | Nature of quality control procedures adopted (e.g.<br>standards, blanks, duplicates, external laboratory<br>checks) and whether acceptable levels of accuracy<br>(i.e. lack of bias) and precision have been established.                | A blank, duplicate and a recognized Standard were inserted<br>in the sample stream. The reported results for these<br>samples are within expected ranges.                  |



Rimfire Pacific Mining NL | ABN 59 006 911 744 | ASX: RIM



| Criteria   | JORC Code explanation  | Commentary  |
|--|--|---|
| Verification of sampling and                           | The verification of significant intersections by either independent or alternative company personnel.  | All reported mineralised results have been reviewed by at least 2 company personnel.  |
| assaying   | The use of twinned holes.  | Not applicable  |
|  | Documentation of primary data, data entry<br>procedures, data verification, data storage (physical<br>and electronic) protocols.   | Logging data was collected directly into a laptop computer at<br>the site. This field data was entered into an excel spreadsheet<br>and saved on Cloud server. Assay results were reported in a<br>digital format suitable for direct loading into a Datashed<br>database with a 3 <sup>rd</sup> party expert consulting group. |
|  | Discuss any adjustment to assay data.  | No adjustments have been made.  |
| Location of data points                                | Accuracy and quality of surveys used to locate drill<br>holes (collar and down- hole surveys), trenches,<br>mine workings and other locations used in Mineral<br>Resource estimation.  | Sample locations are recorded using handheld Garmin GPS expected accuracy +/- 5m.   |
|  | Specification of the grid system used.   | GDA94 zone55.   |
|  | Quality and adequacy of topographic control.   | Handheld GPS, which is suitable for the early stage and broad spacing of this exploration.  |
| Data spacing<br>and<br>distribution                    | Data spacing for reporting of Exploration Results.   | Data spacing is controlled by the interpretation of the prospect and potential orientation of mineralisation. For data discussed in this report spacing varies from 50 to 100 metres.   |
|  | Whether the data spacing and distribution is<br>sufficient to establish the degree of geological and<br>grade continuity appropriate for the Mineral<br>Resource and Ore Reserve estimation procedure(s)<br>and classifications applied. | Sampling is considered appropriate to identify 'broad'<br>anomalous areas of potential mineralisation.  |
|  | Whether sample compositing has been applied.   | Samples were composited at 2m intervals for assay submission  |
| Orientation<br>of data in<br>relation to<br>geological | Whether the orientation of sampling achieves<br>unbiased sampling of possible structures and the<br>extent to which this is known, considering the<br>deposit type.  | Given the early stage of exploration it is not yet known if<br>sample spacing and orientation achieves unbiased<br>results.   |
| structure  | If the relationship between the drilling orientation<br>and the orientation of key mineralised structures is<br>considered to have introduced a sampling bias, this<br>should be assessed and reported if material.                      | Not applicable  |
| Sample<br>security                                     | The measures taken to ensure sample security.  | Samples double bagged and delivered directly to the laboratory by company personnel.  |
| Audits or<br>reviews                                   | The results of any audits or reviews of sampling techniques and data.  | No audits or reviews completed.   |



#### Section 2 Reporting of Exploration Results

| Criteria  | JORC Code explanation   | Commentary   |
|---|---|--|
| Mineral<br>tenement<br>and land<br>tenure<br>status | Type, reference name/number, location and<br>ownership including agreements or material issues<br>with third parties such as joint ventures,<br>partnerships, overriding royalties, native title<br>interests, historical sites, wilderness or national park<br>and environmental settings. | Reported results all from Exploration Licence EL6241 at Fifield<br>NSW which is held 100% by Rimfire Pacific Mining NL.<br>All samples were taken on Private Freehold Land.<br>No native title exists. The land is used primarily for grazing<br>and cropping.   |
|   | The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.  | The tenement is in good standing, and all work is conducted<br>under specific approvals from NSW Department of Planning<br>and Energy, Resources and Geoscience.   |
| Exploration<br>done by other                        | Acknowledgment and appraisal of exploration by other parties.   | No results are relied on from other parties in this report.  |
| Geology   | Deposit type, geological setting and style of mineralisation.   | The prospect areas lack geological exposure, available<br>information indicates the bedrock geology across the project<br>is a package of interbedded volcaniclastic and sedimentary<br>rocks, with local porphyritic intrusives.<br>The deposit type/style of mineralisation is not known at this<br>early stage. |
| Drill hole<br>Information                           | A summary of all information material to the<br>understanding of the exploration results including a<br>tabulation of the following information for all<br>Material drill holes:  | The drillhole location (mE, mN and RL) data for all RC holes are included within the report.   |
|   | easting and northing of the drill hole collar<br>elevation or RL (Reduced Level – elevation above<br>sea level in metres) of the drill hole collar  |  |
|   | dip and azimuth of the hole   | The holes are all inclined and End of Hole (EOH) information is included with drillhole locations.   |
|   | down hole length and interception depth   | Mineralised intercepts are reported.   |
|   | If the exclusion of this information is justified on the<br>basis that the information is not Material and this<br>exclusion does not detract from the understanding<br>of the report, the Competent Person should clearly<br>explain why this is the case.                                 | Not applicable   |
| Data<br>aggregation<br>methods                      | In reporting Exploration Results, weighting<br>averaging techniques, maximum and/or minimum<br>grade truncations (e.g. cutting of high grades) and<br>cut-off grades are usually Material and should be   | Weighted averages used for estimation of all grade intervals   |
|   | Where aggregate intercepts incorporate short<br>lengths of high grade results and longer lengths of<br>low grade results, the procedure used for such<br>aggregation should be stated and some typical<br>examples of such aggregations should be shown in<br>detail.                       | Weighted averages used for estimation of all grade intervals   |
|   | The assumptions used for any reporting of metal equivalent values should be clearly stated.   | Metal equivalents are not reported   |



| Criteria   | JORC Code explanation   | Commentary   |
|--|---|--|
| Relationshi<br>p between                                 | These relationships are particularly important in the reporting of Exploration Results.   | Not applicable   |
| mineralisat<br>ion widths<br>and<br>intercept<br>lengths | If the geometry of the mineralisation with respect to the<br>drill hole angle is known, its nature should be reported. If<br>it is not known and only the down hole lengths are<br>reported, there should be a clear statement to this effect<br>(e.g. 'down hole length, true width not known').   | All reported intervals of mineralisation are downhole lengths  |
| Diagrams   | Appropriate maps and sections (with scales) and<br>tabulations of intercepts should be included for any<br>significant discovery being reported These should include,<br>but not be limited to a plan view of drill hole collar<br>locations and appropriate sectional views.   | Included within the report   |
| Balanced<br>reporting                                    | Where comprehensive reporting of all Exploration Results<br>is not practicable, representative reporting of both low and<br>high grades and/or widths should be practiced to avoid<br>misleading reporting of Exploration Results.  | All results are included in attached tables  |
| Other<br>substantive<br>exploration<br>data              | Other exploration data, if meaningful and material, should<br>be reported including (but not limited to): geological<br>observations; geophysical survey results; geochemical<br>survey results; bulk samples – size and method of<br>treatment; metallurgical test results; bulk density,<br>groundwater, geotechnical and rock characteristics;<br>potential deleterious or contaminating substances. | There is currently no other substantive exploration data<br>that is meaningful and material to report. |
| Further<br>work  | The nature and scale of planned further work (e.g. tests<br>for lateral extensions or depth extensions or large-scale<br>step-out drilling).  | Further work is discussed in the document in relation to the exploration results.                      |
|  | Diagrams clearly highlighting the areas of possible<br>extensions, including the main geological interpretations<br>and future drilling areas, provided this information is not<br>commercially sensitive.  | Not applicable at this stage   |