



Monday, 23rd March 2015
Company Announcement Office
Australian Securities Exchange

Encouraging Results including 2m @ 10.09g/t Gold Intersected at Sorpresa RC drilling to commence at Yoes Gold-Copper Target 24th March

Rimfire Pacific Mining NL (ASX:RIM) ("Rimfire" or "The Company") is pleased to report further encouraging gold results have been returned from the additional 4 hole, 277m RC drilling program at "the Gap" target area within the Sorpresa mineralized system, (Figure 1, Table 3) located at Fifield NSW.

The drilling program successfully intersected an extension to this "infill" gold area located north east of mineralization at Trench 31, including **hole Fi 0484, with 6m @ 3.74g/t Au from 45m, Incl. 2m @ 10.09g/t Au**. These results will be included into the next version of the Sorpresa resource model. Mineralisation is in the shallow oxide zone and remains open.

Additional Drilling and Other Work Programs – An Update (Refer to Figure 3 Map)

A brief update on work progress is provided, for drilling work that has been, or is soon to be undertaken on a range of targets which are focused on gold and base metal potential at Fifield NSW. Figure 3 shows locations for the work programs.

- **A 15 hole (1,200m) RC Drilling program commences at Yoes Lookout 24th March, and includes:**
 - The testing of the important magnetic feature located besides the known 1.7km gold anomaly. **The target is an approx. 10~15MT size feature**, with associated alteration and copper anomalism
 - Reconnaissance over portions of the surface gold geochemistry anomaly
- **Assessment of the higher grade gold lens areas within the Sorpresa oxide position.**
 - **Shallow RC Drilling (approx. 10 holes for 160m) was conducted at Trench 31. Visible gold is present**
 - The work looks to understand the structural orientation of the high grade gold
 - A new trench at Roadside has intersected the gold and silver position providing a plan view on structure
- **An 8 hole (400m) RC Drilling program is underway on the KARS Platinum and Gold area.**
 - This area shows potential parallels to the prospect areas around Fifield, and is located 20km to the south.
- **Geophysics modelling was completed on important targets at Sorpresa (IP) and Yoes (Magnetic)**
 - Drilling will commence at Yoes which has two magnetic features of importance
- **Extensive infill auger drilling lines examining geochemistry were completed at Eclipse Trend and Yoes on established gold and copper anomalies.**
- **Additional auger drill lines are ready to deploy at Roseneath to prepare this area for RC drilling**

These work programs continue to support the Company strategy of operating a portfolio of regional prospects at various stages of advancement, in parallel to the existing Sorpresa resource, therefore looking to build these prospects into new discoveries.

CEO, John Kaminsky stated:

"It is always pleasing to receive double digit assay results, and the "Gap" location continues to demonstrate the capacity of the Sorpresa mineralized system to provide extension and continuity just north of the Trench 31 area. A north-south high grade trend is developing in this location and now we are looking for an increase in thickness of the zone as we venture further south.

"**Geophysics** has provided potential clues to the locations to be tested for extensions of the mineralized areas at Sorpresa, and this was the case at the Gap. We intend to continue this approach over time by testing the numerous geophysical features within and adjacent to the Sorpresa system and its surrounds within 6km radius.

"This week we will proceed to **regional prospect RC drilling at Yoes Lookout, 6km east of Sorpresa**, in what should be an exciting first pass drill program at that location, with 3 distinct targets.

- Test part of the 1.7km strike length of gold geochemistry with a series of shallow holes
- Examine the magnetic “dyke-like structure” co-incident with the gold position seen at surface
- Place some deeper holes into the modelled magnetic body down dip from the gold shown in the surface

“These deeper holes are targeted at a potential 10~15MT geological unit, with a mineralised signature, that has major alteration chemistry, and shows copper and gold anomalism above it. This is a very exciting target and has the capacity to make a significant impact on the Company outlook.

“In addition, a **shallow drill program is being undertaken currently on the high grade gold trend at Trench 31** allowing us to gain more knowledge on the orientation of these high grades. It looks as though we have somewhat vertical “ribbons” cutting through our receptive carbonaceous horizon, so we may be able to track these with tighter drill spacing focused on these structures. We certainly hit some excellent looking mineralised intervals, so we are keen to see how the assays perform.

“Also, **we have completed a new trench at the Roadside area at Sorpresa** and this information gives us the first exposed view of the gold and silver mineralisation, in this high grade area. It is amazing geology, and will be very instructive in our understanding of the high grade structural controls operating at Sorpresa. This sort of information helps us build towards an economic case for the system in these high grade lenses.

“The Company continues to generate considerable activity, with good potential upside. We look forward to reporting these outcomes as they unfold over the next 2 months, as we endeavour to build our discovery inventory in the regional work over the next 12 months.

“In extremely difficult global markets for the exploration sector, the Company has delivered a greenfields discovery and maiden resource at Sorpresa, plus a strong pipeline of 25 regional prospects. We continue to believe the Fifield district has the capacity for multi-million ounces gold equivalent discovery outcomes and the Company strategy of prospect portfolio management is directed to this outcome.”

The “Gap” location Drilling within the Sorpresa system – 4 additional holes

The recent drilling program (4 new holes) continued to target an area of structural complexity interpreted from aeromagnetic imagery and I.P. resistivity under shallow transported cover which rendered surface geochemical sampling techniques unreliable.

A noteworthy gravity high anomaly, which elsewhere along the Sorpresa Trend is remarkably coincident with mineralisation, was also targeted in ‘the Gap’. Potential northern strike extensions to mineralisation already defined at Trench 31 were targeted on three possible strike orientations, as well as interpreted southern strike extensions of mineralisation at Boundary Gate.

The RC drill program in total has now intersected variable grade mineralisation in fourteen out of the sixteen holes. Encouragingly the thickness of mineralization in the best intersections remains consistent, enveloping narrower higher grade intervals.

The mineralisation was intersected underneath the same porphyry style texture sill observed elsewhere across Sorpresa, with both mineralisation and the sill dipping to the East at approximately 37 degrees.

Scope continues to exist to track the mineralisation down dip and along strike, especially south-west towards Trench 31. The results for the new holes will be included in the updated resource estimation at some point.

The potential for extension and resource growth beyond the currently identified Sorpresa resource boundaries, whilst still at shallow levels are evidenced through the program conducted.

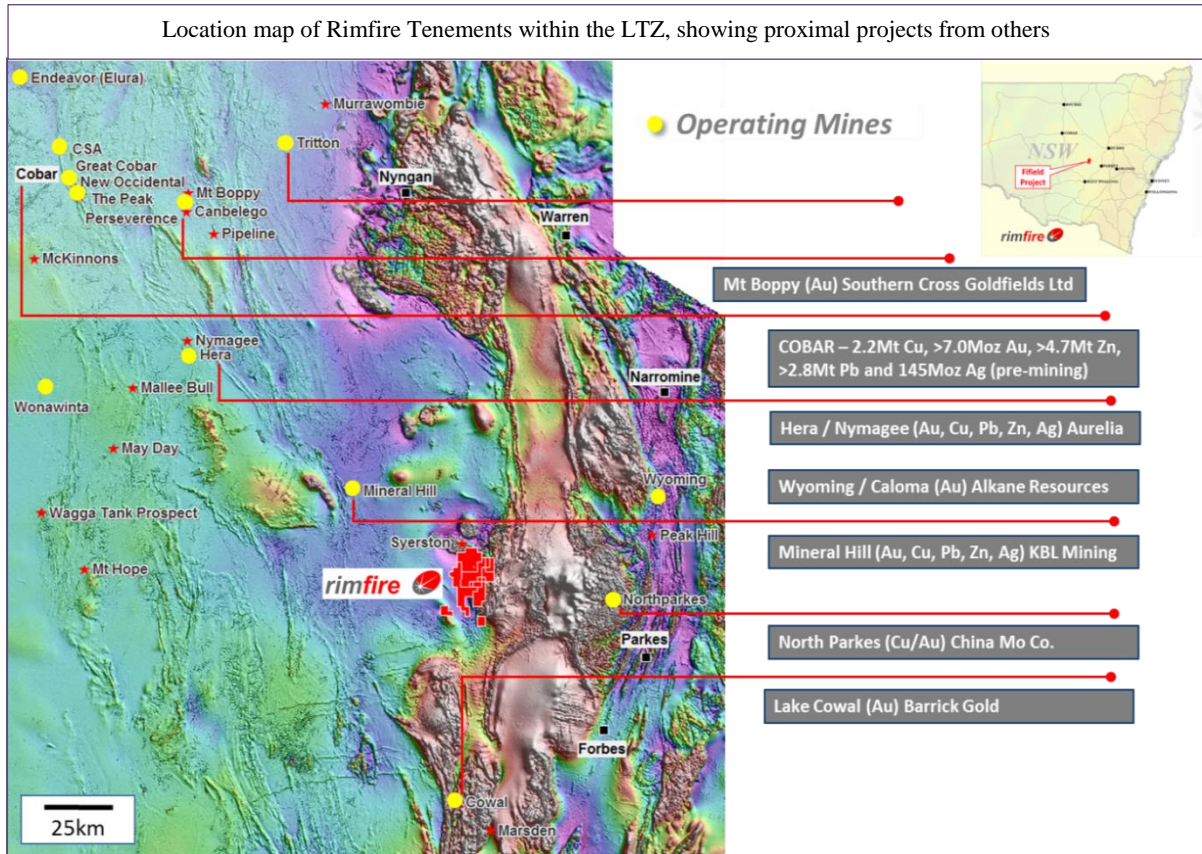


Drilling at the Gap Location

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.



The best gold and silver intersections achieved from the period mid-2012 to the current date on the Sorpresa Project area with locations shown include (note Table 2: **Dates and Hyperlinks for previously referred to results in this report**):

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 (BGE)
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 announced a JORC 2012 Compliant Inferred & Indicated Maiden resource for Sorpresa in December 2014, which comprises 6.4Mt for 7.9Moz of silver and 125kOz of gold (at 0.5g/t Au & 25g/t Ag cutoff).

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.

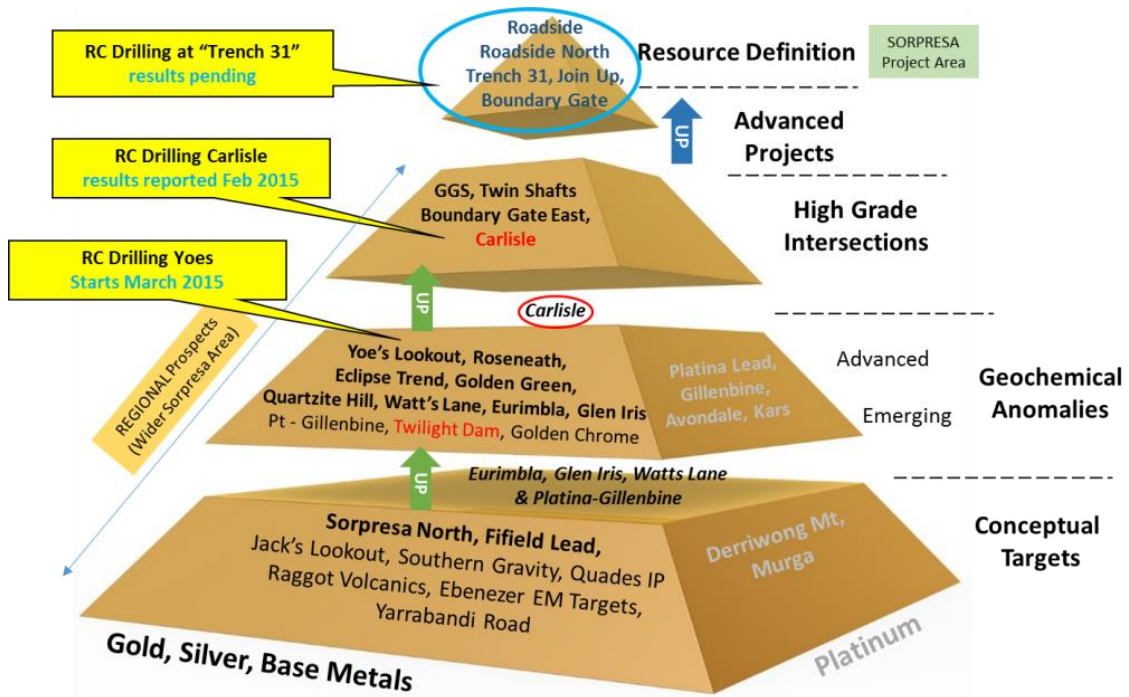
The latest presentations on the Company are at hyperlinks:

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

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**.

The prospect pyramid below shows the location and setting for these prospects which are grouped into 7 manageable “Target Domains”, for gold and base metals, in terms of their logistical, spatial, deposit style and exploration stage;



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, and a Resource at Sorpresa.

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.
6. **Sorpresa Extensions** – Sorpresa North, Quartzite Hill, Fifield Lead, Southern Gravity, Red Mist
7. **Conceptual** – Jack's Lookout, Gravity Gradient, Raggatt Volcanics, Glen Iris,

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

Table 1: Ranked Prospect Portfolio at Fifield NSW

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	1.7km	N/A	yes	Magnetic Feature	No
Eclipse	18.7	N/A	20~500	2.2km	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	0.35km	7m @ 1.47	yes	Magnetic Feature	Minor

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 being 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
- Grow the maiden resource at Sorpresa (23 Dec 2014), currently published as inferred and indicated comprising **6.4Mt for 7.9Moz of silver and 125kOz of gold (at 0.5g/t Au & 25g/t Ag cutoff)**
- Examine economic potential, as appropriate to the stage of the project area

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 compiled by Colin Plumridge who is deemed to be a Competent Person and is a Member 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 the 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 announcements.

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 as a Competent Person consented to the inclusion in the original reports in the form and context in which each appeared, please refer to the Competent Persons declaration above for additional information.

Table 2 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
ASX November 28 th 2014	Encouraging Gold Results Intersected in New Shallow Oxide Position at Sorpresa
ASX December 8 th 2014	High Grades Intersected in Sorpresa Resource Definition Drilling
ASX December 23 rd 2014	Sorpresa Maiden Resource Fifield NSW - 6.4Mt for 125kOz of gold and 7.9Moz of silver
ASX January 30 th 2015	December Quarter Exploration Report
ASX February 20 th 2015	Sorpresa RC Drilling Assays Finalised, New RC Drilling underway to extend mineralisation
ASX February 23 rd 2015	Gold Intersections confirmed from Surface at Carlisle, Fifield NSW

Metal Prices

As at 17th March 2015, the trading prices (www.kitco.com) for metals in New York were, closing Ask in USD:

Gold	\$1,150/oz
Platinum	\$1,096/oz
Silver	\$15.63/oz



JOHN KAMINSKY
CEO and Managing Director

Figure 1: Plan view of RC drill holes at 'the Gap' on Airphoto Image highlighting previous drilling (2014) and latest results (March 2015)

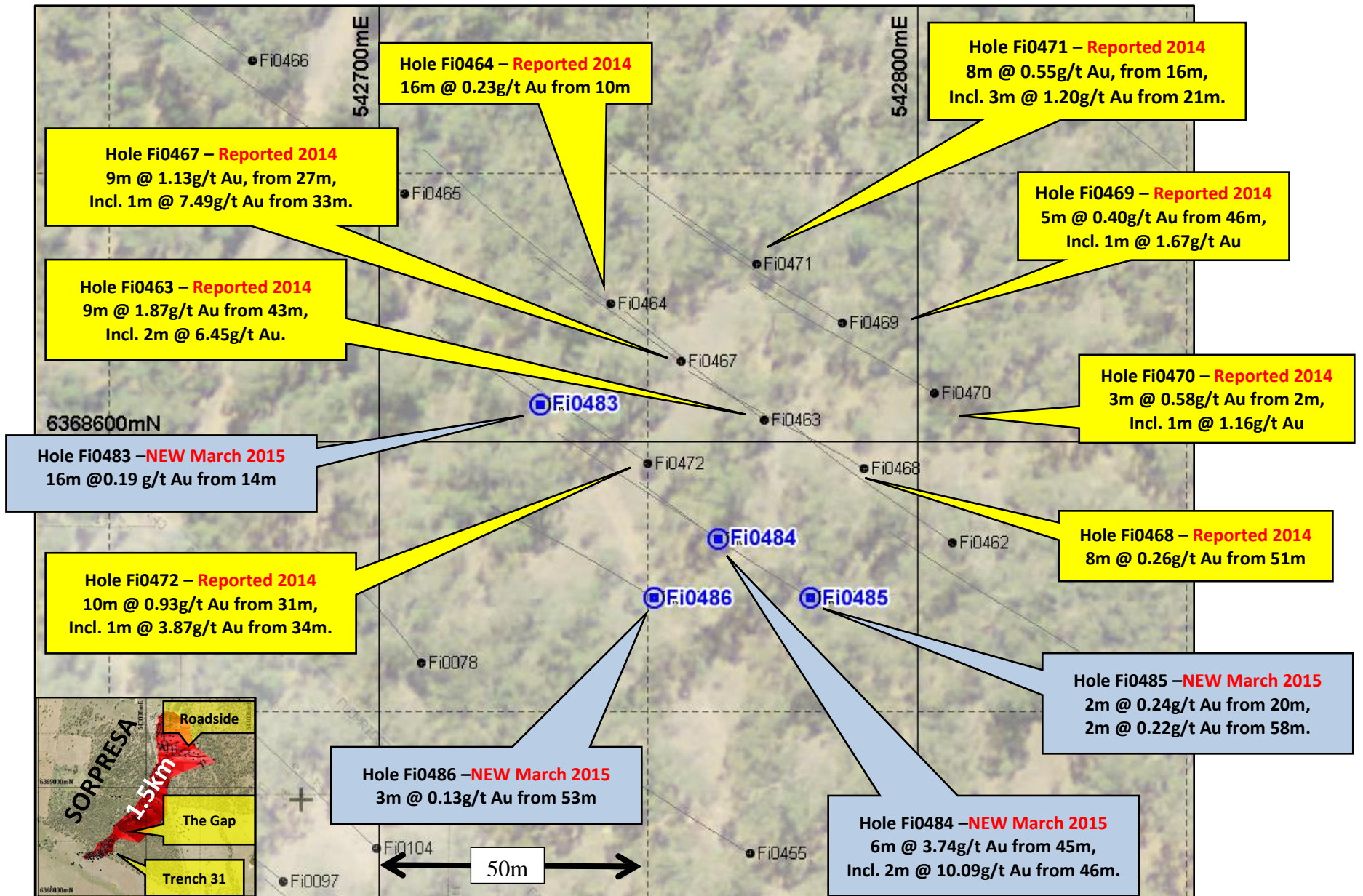


Figure 2: *1st Vertical Derivative Gravity Image showing the semi coincident gravity high anomaly with mineralisation at Trench 31, the Gap, and Boundary Gate.*

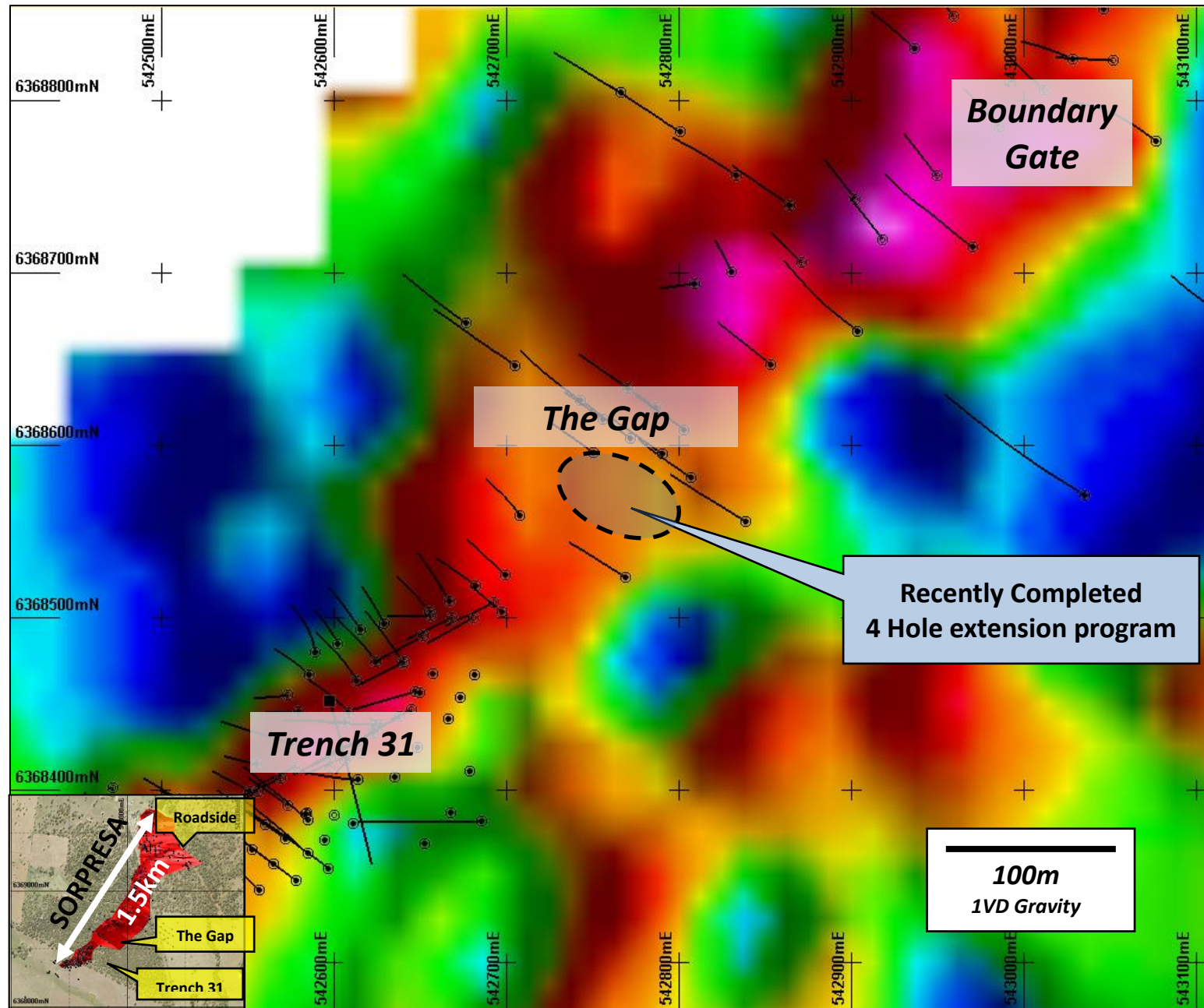


Figure 3: **Fifield Prospect and Concept Map** with **Current or planned work programs** within approx. 6km Sorpresa project

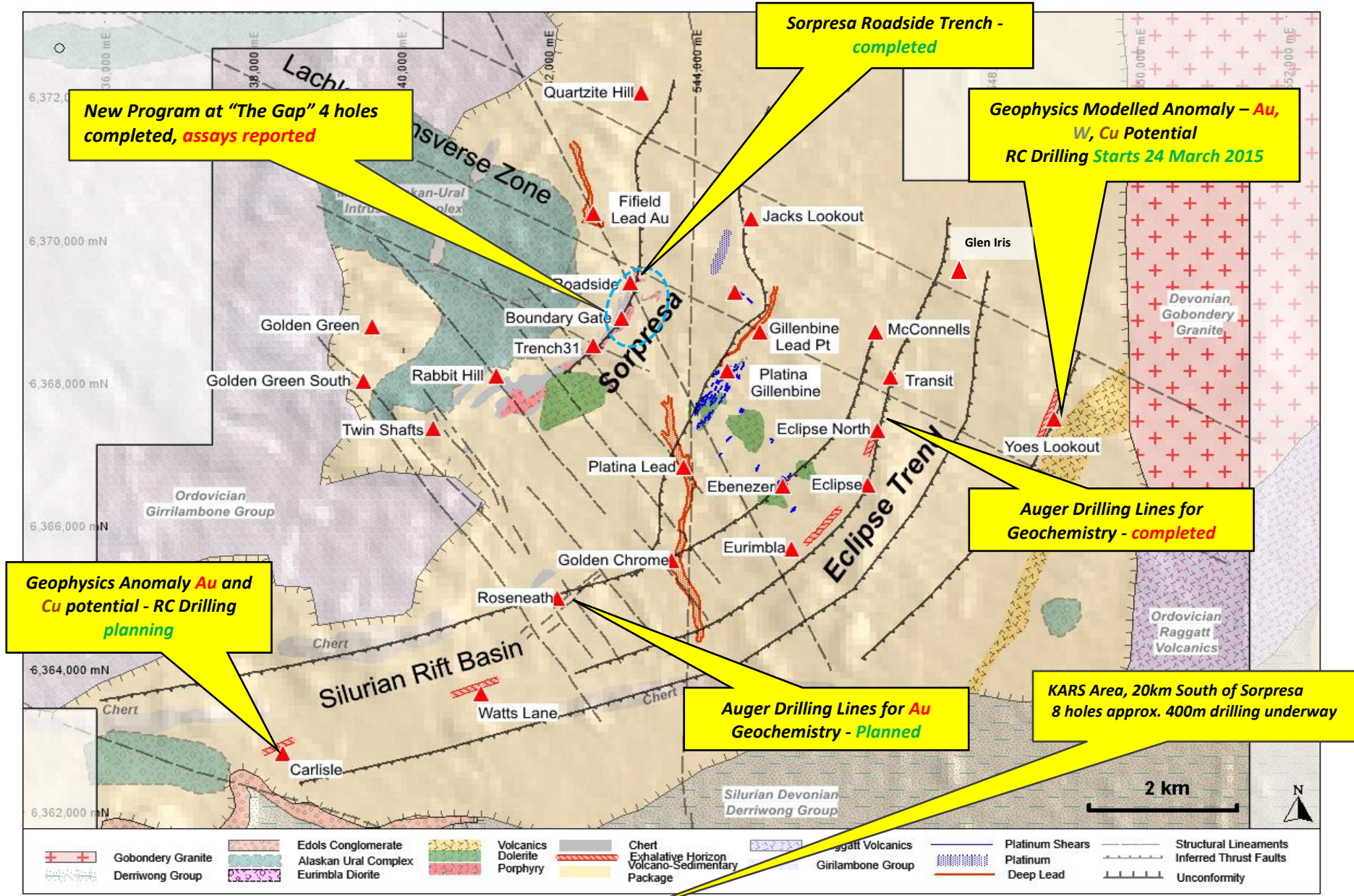


Table 3: Intersections from completed 4 hole RC drilling program at 'the Gap' (Previous 12 holes reported Nov 2014)

Hole ID	Easting (m GDA94)	Northing (m GDA94)	Survey Method	RL (mAHD)	Dip (°)	GDA Azimuth (°)	Depth (m)	Drilling Type	Prospect	From (m)	To (m)	Down hole Length (m)	Au (g/t)
Fi0483	542766	6368584	GPS	291	-65	305	51	RC	Trench 31 north	14	30	16	0.19
Fi0484	542736	6368604	GPS	291	-65	305	75	RC	Trench 31 north	45	51	6	3.74
									incl.	46	48	2	10.09
Fi0485	542780	6368573	GPS	291	-65	305	78	RC	Trench 31 north	20	22	2	0.24
										58	60	2	0.22
										64	66	2	0.11
Fi0486	542751	6368571	GPS	291	-65	305	73	RC	Trench 31 north	53	56	3	0.13

Table 4: JORC Code Reporting Criteria

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. 	<p>RC Samples are collected at 1m intervals from the cyclone in plastic bags.</p> <p>RAB Samples are collected at 1m intervals from the cyclone in plastic bags.</p> <p>1 metre intervals are sampled from all Auger holes within in situ weathered basement geology.</p> <p>Nominal 2 kg samples are collected at the drill rig.</p> <p>Rock Chips samples are a mix of float, sub crop & outcrop (identified in results table).</p>
	<ul style="list-style-type: none"> Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	<p>Industry standard QAQC protocols with insertion of certified reference samples, blank samples and field duplicates are included every 50, 51 and 52nd sample respectively.</p>
	<ul style="list-style-type: none"> Aspects of the determination of mineralisation that are Material to the Public Report. In cases where ‘industry standard’ work has been done this would be relatively simple (e.g. ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information. 	<p>RC Hole collars are surveyed using a Garmin GPS, and Trimble DGPS. Downhole surveying in RC hole is conducted every 20m open hole, and where required every 50m in-rod using stainless steel rods. All other drill and sample locations are surveyed using Garmin GPS.</p>
Drilling techniques	<ul style="list-style-type: none"> Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). 	<p>Reverse Circulation conducted using face sampling hammer (119mm diameter).</p> <p>RAB drilling conducted using blade bit (100mm diameter).</p> <p>Auger drilling conducted by trailer mounted hydraulic driven auger rig with nominal hole diameter of 100mm.</p>

Criteria	JORC Code explanation	Commentary
Drill sample recovery	· Method of recording and assessing core and chip sample recoveries and results assessed.	Poor sample recoveries are noted during logging with percentage estimates. These are compared to results.
	· Measures taken to maximise sample recovery and ensure representative nature of the samples.	RC samples are visually checked for recovery, moisture and contamination. A cyclone and riffle splitter (for RC) are used to provide a uniform sample and these are routinely cleaned. The hole is blown out at the beginning of each rod to remove excess water, plus auto-blow downs, to maintain dry sample. Auger and RAB samples are visually checked for recovery and up hole contamination. Auger and RAB drilling not conducted below the water table.
	· Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	In RC drilling occasional poor sample recovery and also wet samples occur however close examination and comparison to results showed that there is no identifiable bias in the results associated with these samples.
Logging	· Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Geological logging of drill chips records colour, grainsize, lithology, alteration, mineralisation and veining including percentage estimates along with moisture content. Drill samples are sieved, logged and placed into chip trays.
	· Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Geological logging of drill chips is qualitative by nature, drill chip trays are retained for future reference.
	· The total length and percentage of the relevant intersections logged.	All metres drilled are logged
Sub-sampling techniques and sample preparation	· If core, whether cut or sawn and whether quarter, half or all core taken.	No core reported in this release

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation continued.	· If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	Reported RC results have been riffle split. Lower priority RC intervals are speared samples and if found to be anomalous will be subsequently riffle split and re-assayed. Wet samples are not put through riffle splitter but homogenized and subsampled using small spear. Sample returned from 1 metre RAB interval is homogenized and speared and composited and maximum composite interval within significant intersection is provided with result. Sample returned from 1 metre auger interval is homogenized in collection tray and speared. All RAB and Auger samples were dry. Rock Chips are sawn in half with half submitted for analysis.
	· For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Sub-samples obtained from riffle splitting are submitted as 1m intervals or composited to 2m (equal weights) to produce a bulk 2kg sample, subsamples of occasional wet metres are composited similarly. Lower priority zones are speared and composited on 4m intervals. The homogenization and spearing method is typical for sampling RAB and auger returns and QAQC results identify that the methods used are appropriate to the style of mineralisation.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Industry standard QAQC protocols with insertion of certified reference samples, blank samples and field duplicates are included every 50, 51 and 52nd sample respectively. No wet samples are put through the riffle splitter which is checked between samples and cleaned (when necessary) between samples. Equal weights (estimated from equal volumes) are collected for composited intervals.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	QAQC results of field duplicate analysis identify that the methods used are appropriate to the style of mineralisation.
	· Whether sample sizes are appropriate to the grain size of the material being sampled.	QAQC results of field duplicate analysis identify that the methods used are appropriate to the style of mineralisation.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 	<p>Reported RC samples are dispatched to ALS Laboratories with Au determined by Au_AA26.</p> <p>RAB and Auger samples are dispatched to ALS Laboratories with Au determined by fire assay methods Au-AA22 (or PGM-ICP24) which returns Au to 2ppb (or 1 ppb) respectively, PGM-ICP24 includes Pt to 5 ppb and Pd to 1 ppb on a 50g charge. Selected auger samples were also submitted for full suite multi-element analysis are via Four Acid Digest method ME-MS61.</p> <p>Rock chip samples are submitted to ALS Laboratories for Au via Fire Assay method Au-AA22 to 2 ppb and full suite multi-element analysis are via Four Acid Digest method ME-MS61.</p> <p>Fire Assay analysis for gold and Four Acid digest for multielement analysis are considered as total techniques in the absence of coarse metal. Screen Fire Assay for gold is considered as total technique when coarse gold is present.</p>
	<ul style="list-style-type: none"> For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. 	<p>All significant results reported from NATA accredited laboratory.</p> <p>Handheld XRF (Olympus Delta50) is used to determine sample type i.e. 1m riffle split or composite. All data is collected using a 30 seconds reading time for each of the 3 beams in soil mode.</p>
	<ul style="list-style-type: none"> Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	<p>Reviews of internal QAQC results has shown that the field sampling, riffle splitting compositing methods used are appropriate to the mineralisation being tested. External laboratory analysis of "umpire" samples confirm results from the primary laboratory.</p>

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	· The verification of significant intersections by either independent or alternative company personnel.	All reported intersections are independently reviewed by 2 company personnel
	· The use of twinned holes.	Hole Twinning is currently underway.
	· Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Primary field data is captured electronically using established templates. Assay data from laboratory is merged and loaded into Access based database after passing QAQC checks. Database audit of loaded batches is conducted on a monthly basis.
	· Discuss any adjustment to assay data.	"<" values are converted into "-" values and for geochemical analysis results returning less than detection are ascribed to half the detection limit.
Location of data points	· Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drill collars are located using handheld Garmin GPS and are RC collars are picked up by a Trimble Differential GPS. Downhole digital multi-shot surveys are conducted every 20m, open hole where practical, or in stainless steel rods every 50m.
	Specification of the grid system used.	GDA94 zone55
	· Quality and adequacy of topographic control.	Collar elevation data from digital terrain model derived from detailed ground gravity survey DGPS data used as an interim measure prior to DGPS pick up of collar location. Other elevation data sourced from handheld GPS.
Data spacing and distribution	· Data spacing for reporting of Exploration Results.	RC Exploration currently on nominal 80 X 100m grid down to 40 X 40m grid and then down to 20 X 20m grid. RAB exploration conducted on traverses with coverage on 60 ° dipping holes. Auger exploration currently on a nominal 100 X 20m grid. Rock Chip samples not on a defined grid pattern.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution continued.	· Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The nominal RC exploration grid is deemed adequate to identify mineralisation envelopes which are infilled as appropriate. The RAB hole spacing and nominal auger exploration grid are deemed most suitable to identify mineralisation at a scale of interest to the company. This is adequate to establish continuity in this environment however closer spaced drilling may be warranted in certain locations for further definition.
	· Whether sample compositing has been applied.	Compositing conducted at 2 and 4 meter intervals in RAB and RC samples. Equal weights from each 1 meter interval are used to ensure that the composite adequately represents the intervals sampled. The equal weights are estimated from equal volume measure used when subsampling. Auger samples are taken on 1 metre intervals.
Orientation of data in relation to geological structure	· Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Current observations do not suggest a bias in sampling from the drilling orientation.
	· If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	The drilling orientation is designed to intercept the mineralisation orthogonally where known.
Sample security	· The measures taken to ensure sample security.	Sample identification is independent of hole identification. Samples are stored in a secure on-site location, under supervision and transported to ALS Orange NSW via Rimfire personnel or licensed couriers.
Audits or reviews	· The results of any audits or reviews of sampling techniques and data.	Internal reviews of QAQC data has shown that the field sampling, riffle splitting and compositing methods used are appropriate to the mineralisation being tested.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. 	<p>Reported results all from 100% Rimfire Pacific Mining NL tenements at Fifield NSW, which may include EL5534, EL6241, EL7058, EL7959, EL5565, MC(L)305, MC(L)306.</p> <p>All samples were taken on Private Freehold and / or Common Land (prescribed for mining). No native title exists. The land is used primarily for grazing and cropping.</p>
	<ul style="list-style-type: none"> 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. 	<p>The tenement is in good standing, and all work is conducted under specific approvals from NSW Trade and Investment, Mineral Resources.</p>
Exploration done by other parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<p>Recent systematic exploration (1980 onwards) has been conducted by Ausplat Minerals NL in JV with Golden Shamrock Mines Ltd and Mount Gipps Ltd, Titan Resources and also Helix Resources and Black Range Minerals NL. Prior to this Exploration for various metals in the Fifield area has been conducted by a number of companies since the late 1960's including Anaconda, CRA Exploration Pty Ltd, Platina Developments NL, Mines Search Pty Ltd, Broken Hill Proprietary Company Ltd, Mt Hope Minerals and Shell.</p>
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<p>The mineralisation currently being pursued at Sorpresa appears to have many similarities with typical carbonate base metal epithermal gold style, in a Siluro Devonian back arc basin setting. Other mineralisation styles include sediment and greenstone hosted orogenic gold and VMS.</p>
Drill hole Information	<ul style="list-style-type: none"> A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: 	<p>Plans showing location of drill holes and also location of significant results and interpreted trends are provided in the figures of report.</p>
	<ul style="list-style-type: none"> easting and northing of the drill hole collar 	<p>Any new significant RC results are provided in tables within the report.</p>
	<ul style="list-style-type: none"> elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar 	<p>Any new significant RAB results are provided in tables in within the report.</p>

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Drill hole Information Continued.	dip and azimuth of the hole	Any new significant rock chip results are provided in tables within the report.
	down hole length and interception depth	Any new significant Auger results are provided in figures within the report.
	· If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	Information is provided in significant results tables.
Data aggregation methods	· In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	No averaging or cut-off values are applied to auger or rock chip results. Only significant RAB results >0.1g/t Au are reported using thickness weighted average for intervals with < or = 2m internal dilution. For RC results thickness weighted averages are reported for all intervals. Reported intervals are calculated using $\geq 0.1\text{g/t Au}$ and or $\geq 10\text{g/t Ag}$ cut off and $\leq 2\text{m}$ Internal Dilution.
	· Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	High grade intervals within in larger intersections are reported as included intervals and noted in results table. Aggregation utilises thickness weighted mean calculations.
	· The assumptions used for any reporting of metal equivalent values should be clearly stated.	Metal equivalents are not reported.
Relationship between mineralisation widths and intercept lengths	· These relationships are particularly important in the reporting of Exploration Results.	Drill holes are designed to intersect the plane of mineralisation (where this is known) at 90° so that reported intersections represent true thickness.
	· If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known	All intersections are subsequently presented as downhole lengths. If down hole length varies significantly from known true width then appropriate notes are provided.

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Diagrams	<ul style="list-style-type: none"> Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views. 	Refer to Figures
Balanced reporting	<ul style="list-style-type: none"> Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results. 	This information is provided in results Table.
Other substantive exploration data	<ul style="list-style-type: none"> Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. 	There is currently no other substantive exploration data that is meaningful and material to report.
Further work	<ul style="list-style-type: none"> The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). 	Further work is discussed in the document in relation to the exploration results.
	<ul style="list-style-type: none"> Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	Refer to Figures