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30th April 2014
Company Announcement Office
Australian Securities Exchange

QUARTERLY EXPLORATION AND ACTIVITIES REPORT

(For the period 1st January 2014 to 31st March 2014)

Sorpresa Project Provides Further Growth Opportunities - Regional Exploration Makes Important Advances

Rimfire Pacific Mining NL (ASX:RIM) ("Rimfire" or "The Company") is pleased to provide details from another active quarter of exploration at Fifield, NSW. Solid results, including 2m @ 11.39g/t gold, were again received in RC drilling at Sorpresa and detailed data analysis and geophysical reprocessing have highlighted major areas to pursue for extensional discovery drilling, due to commence shortly.

A strong focus was placed on regional exploration using geochemical targeting through auger, RAB and RC drilling with this process generating multiple new targets within 6km radius of Sorpresa. Whilst still at an early stage, work at Roseneath and Eclipse North prospects show geological similarities to Sorpresa, yet are located 3.5km and 4km away, respectively.

Highlights

- **An extensive Strategic Workshop was conducted reviewing corporate and operational priorities over the next 2~3 years. The exercise was facilitated by DJG & Associates and was specifically designed to examine the multiple pathways that are available for further growth by the Company.**

- **Boundary Gate East (BGE) area at Sorpresa now comprises 5 significant intersections across an approximate 100m strike and remains open in every direction, new results in the quarter were:**

  - **2m @ 11.39g/t Au** from 166m**, Incl, 1m @ 21g/t Au, and 46.8g/t Ag, 2.34% Pb, 0.46% Zn**
  - **9m @ 1.23g/t Au, and 0.43% Zn** from 187m **Incl, 1m @ 7.80g/t Au (Visible Gold)**

- **The mineralisation at BGE is located within a new stratigraphic position and in different host geology, indicating potential for stacked lenses of gold mineralisation at Sorpresa.**

- **Reprocessed geophysics (ground gravity and I.P.) provides compelling additional exploration targets for extension within the immediate and wider Sorpresa areas.**

- **At Sorpresa, RC and Diamond Drilling programs are set to commence on the new Extensional and Plunge targets (Figure 1)** including Roadside, Boundary Gate East and Trench 31 locations.

- **Analysis and new target generation has now defined 25 Gold, Silver and Base Metal Prospects at and within 6km of Sorpresa (Figure 2).** Targets have been ranked and prioritized as part of the Company strategic review. First pass exploration is either completed, and or underway.

- **Four large scale basement Auger Gold anomalies have been defined at (1) Yoe's Lookout, (2) Golden Green, (3) Roseneath and (4) Eclipse North.** All remain open, auger drilling continues. First pass RC drill programs are ready to commence.

- **Encouraging RAB results from a 1km long RAB traverse at Rabbit Hill included:**

  - **16m @ 0.32g/t Au** from 0m (FiRAB0272) Incl; **8m @ 0.57g/t Au** from 4m.
  - **17m @ 0.23g/t Au** from 4m (FiRAB0271) Incl; **4m @ 0.50g/t Au** from 8m.

- **Reconnaissance Rock Chip sampling returns highly encouraging results up to 8.21g/t Au, 3.36g/t Au, and 3.74g/t Au at multiple target areas.**

- **Regional target definition RC Drilling was completed at Golden Green South (results awaited) and are in progress at Rabbit Hill, and Twin Shafts.**

Executive Chairman, John Kaminsky said:

"Another solid quarter of exploration activity was achieved at the Fifield site, with rapid advances in regional exploration and prospect definition, on-going RC, RAB and Auger drilling at new regional targets, plus planning of the next exciting phase of extensional RC and Diamond Drilling at Sorpresa.

"New 3D modelling and classification of lithology, structure and alteration at Sorpresa has defined multiple extension targets where we can step out down dip and down plunge searching for high grade shoots. This drilling has permits in place and ready to proceed in the next 2 weeks, including some diamond core tails.

"During the Quarter the Company proactively undertook a Strategic Workshop reviewing operations and corporate opportunities for the Company. The process was well facilitated through four senior industry figures from the consultancy DJG & Associates and involved members of the Rimfire Board, management and senior technical team.

"One outcome from the strategic technical priorities assessment was harnessing the vision to expand the mineralisation potential beyond the immediate Sorpresa project area and consolidate the geological significance of the Fifield District. It was strongly concluded that there is significant regional prospectivity within a 6km radius of Sorpresa, and that there was insufficient discovery work to date within these sizeable and early level targets.

"Put simply, there are not many places left in Australia where one can find un-sampled and un-drilled outcropping gossans, exhalative horizons, or sets of un-drilled historical workings over 200m long, 40m deep, and virgin geochemical gold anomalies of 1km scale, especially in the context of a new discovery, such as Sorpresa.

"Subsequent to the Strategic Workshop, a further rigorous geological review and assessment was undertaken and quickly defined a portfolio of well-credentialed targets. This exercise re-affirmed our view of the potential large metal endowment at Fifield as a multimillion ounce opportunity.

"The Company therefore directed considerable effort to advancing these regional targets quickly this quarter with ground exploration including rock chipping, mapping, auger drilling and RAB. RC targets have already emerged from this work, and drilling has commenced.

We are seeing similarities to Sorpresa in aspects of the geology, for example at Roseneath (3.5km south) and Eclipse North (4km east). This is very interesting and fits our geological model of possible recurring mineralized features operating at Fifield.

"Whilst this regional work has progressed we have carefully planned the next stage of Sorpresa extensional target areas (Figure 1). The possibility of major new mineralized lenses or extensions makes this an exciting phase for the Company.

"It has been an incredibly detailed and frenetic period assembling the basis of the work programs going forward and the Company anticipates high news flow in this next quarter with drilling at Sorpresa, and at selected regional targets, with the potential for big outcomes for shareholders.

At a time when many companies in the industry are struggling, Rimfire has an abundance of good quality opportunities to pursue and is doing so. Sincere thanks again to the supporters of the Company for their belief in our continued efforts to build a sustainable presence through discovery growth at Fifield."

Sorpresa Update

3D modelling of mineralisation and lithology completed this quarter has provided a much greater understanding of the overall structure and plunge orientation to higher grade mineralisation and eludes to potentially separate gold

and silver shoot controls at depth. This work has revealed a potential **South-Easterly higher grade plunge control** within the gently east dipping and continuous plane of mineralisation (Figure 1).

Drill targets generated from this work have been designed, permitting approved, and a multi-purpose RC / Diamond drilling rig is being secured, set to commence drilling shortly. Diamond core tails to some RC holes are planned to assist definition of the interpreted structural and plunge controls to mineralisation.

Further understanding and classification of the host geological stratigraphy assisted via litho-geochemical analysis has defined two different porphyries and two different basaltic andesite sill and dyke complexes spatially in the drill sections.

These dyke complexes appear to provide caps to ascending mineralized fluids producing **multiple trap sites for gold**, silver and base metal mineralisation, expanding areas prospective for mineralisation. Utilization of this stratigraphic modelling is also assisting structural understanding of the orientation of mineralisation and lithology / alteration. These advances in understanding have also enabled more accurate drill targeting in the forthcoming drill campaigns.

Drilling is scheduled to commence at the silver dominant Roadside North target with a series of broad step-out holes down dip, before drilling moves south to the Roadside gold dominant system. Further south, gold targets defined at both Boundary Gate East, and Trench 31 will be drilled to investigate down dip extensions.

Whilst some holes are high risk, there is the potential for major outcomes in these programs.

Boundary Gate East Gold

Boundary Gate East (BGE) is located approximately 600m south of the Roadside Au-Ag mineralization and 350m east of the main Sorpresa Trend (Figure 1). A substantial induced polarization (I.P.) anomaly was recognized and subsequently diamond drilled in April 2013 with two holes. Each hole returned significant high grade gold intersections previously reported (July 2013) with a Bonanza gold grade intersection of **1m @ 114g/t Au** from 159m (Fi 329 DDH), and **1m @ 24.9g/t Au** from 142m (Fi 327 DDH).

The RC drilling aimed to gain further understanding of the continuity and extent of these intersections, up and down dip, and along strike. Important intersections were returned from 3 out of the 4 holes completed, with the one less successful hole (Fi 396), whilst encountering gold anomalism, potentially requires extension to intersect the new mineralization.

RC Drilling at Boundary Gate East. Results in the quarter support earlier drilling work done in 2013

Gold mineralization is developed in a quartz-carbonate-sericite-pyrite altered (± arsenopyrite, sphalerite, galena, sulphosalt) volcano-sedimentary sequence consisting of siltstones, sandstones, cherts and polymodal rhyolitic, andesitic, dacitic and basaltic sill and dyke complexes.

The highest gold grades appear to correlate with semi massive sulphides (up to 10% S) and coupled with fine grained disseminated pyrite alteration, elude to a potential relationship with the I.P. chargeability anomaly to the south (Figure 1a).

This is a high amplitude, 24Mv/v chargeability anomaly approximately 850m long x 320m wide and is undrilled. The drilled mineralization appears to have a southerly dip towards the higher intensity I.P. anomaly.

Shallow up-dip projections of the mineralization have been interpreted to the north of Boundary Gate East, towards the Join-up area.

Exploration Targets – Ground Gravity

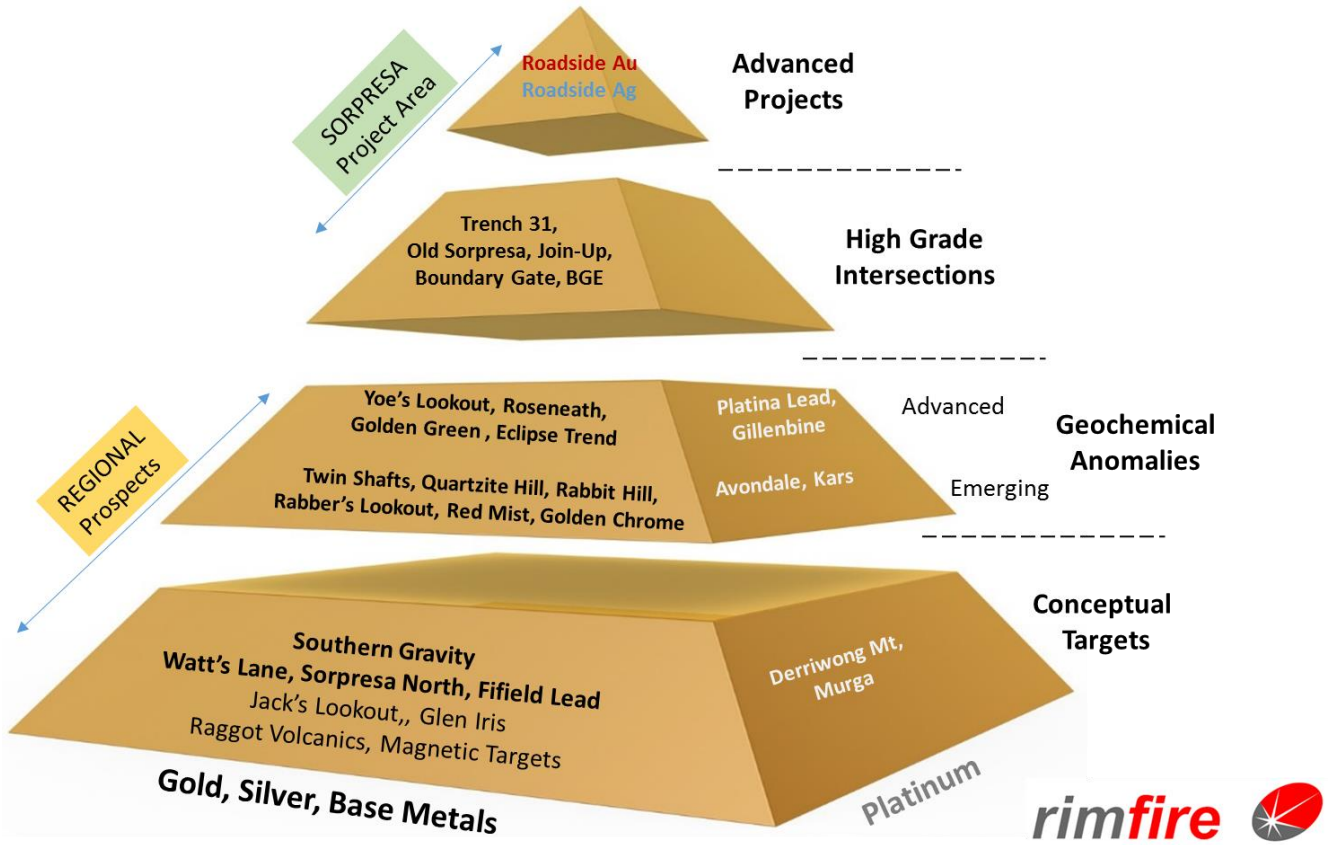
Reprocessing of an extensive and detailed ground gravity survey suggests an interesting possible link between the Sorpresa mineralization and a series of gravity high anomalies. The gravity high response is interpreted to represent silicification of porous sediments, often observed associated with mineralization.

Carefully applied, the recognition of several curvilinear gravity high anomalies to the south of the main Sorpresa line is being interpreted as potential repeated thrust faults, perhaps containing silicification. Exploration to date of these areas is very limited to non-existent and represents new targets for regional exploration.

Prospect Reviews and Ranking

A prospectivity analysis across the wider Sorpresa area, completed during the quarter, detailed, assessed, ranked and prioritized all current prospects and targets at, and within 6kms of Sorpresa. This included advanced project areas, prospects with high grade intersections, geochemical anomalies and conceptual targets.

This exercise reaffirmed the Company's view that Rimfire's Rift Basin setting, Back Arc to the World Class Macquarie Arc, and traversed by the crustal scale Lachlan Transverse Zone is host to multiple styles of significant mineralisation, with combined multimillion ounce gold equivalent potential. To date **25 targets are revealed**.



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.

Figure 2 shows the location and setting for these targets which were grouped in terms of their logistical, spatial, deposit style and exploration level into 7 manageable "Target Domains";

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. **Yoe's Lookout (Skarn and Structurally controlled Greenstone and Sediment hosted Au)**
5. **Orogenic's (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, Raggot Volcanics, Glen Iris,

Selected first pass campaigns have commenced with the total drilled meters for the quarter equating to 4,541m.

Regional Exploration

Work programs within the new Target Domains commenced immediately to exploit the summer field season post cereal crop harvest, and prior crop sowing with rock chip sampling (199 samples), Auger Drilling (670 holes for 2,059m), RAB Drilling (69 holes for 2,482m) and RC drilling (in progress) across 7 targets completed this quarter. Significant RAB drill anomalies (Table 1) and highly anomalous rock chip results (Table 3), have been defined, and RC and Auger drilling continues:

1. 1km Long Open Gold Anomaly defined at Yoe's Lookout

Auger drilling results received this quarter from the Yoe's Lookout Prospect have revealed a coherent 1km long gold anomaly @ >20ppb Au, which is open in multiple directions. Highly anomalous auger results including **0.8g/t Au,** and **0.32g/t Au** which compliment previous auger results up to **1.62g/t Au*** (Figure 3).

Geological logging of the auger chips has defined an eastern basaltic-andesite volcanic sequence which contains the main gold anomaly & a western sedimentary sequence which also contains anomalous gold. The main anomaly strikes to the north-north east on an interpreted curvilinear thrust fault, close to the intersection with a major north-south striking fault. In addition a 280m wide zone of silicification and calcic skarn alteration with trace sulphides was auger drilled above a bulls-eye magnetic high anomaly (Figure 3), with similar alteration observed in the middle and northern lines.

Rock chip sampling of outcrop and float within the auger gold anomaly has produced significant encouragement including **3.36g/t Au,** and **2.14g/t Au** displaying an arsenic (As), selenium (Se) and tellurium (Te) pathfinder association. Gold mineralization is associated with quartz-sulphide stockwork veining in pervasive quartz-hematite-pyrite altered finely laminated iron-rich cherts.

Infill and extension auger drilling is in progress and RC drilling will commence next quarter.

The geological and geophysical setting combined with the geochemical results achieved to date make this area extremely prospective, particularly given no significant historic work by others has been conducted at Yoe's. The gold anomaly is large scale and has its location within the LTZ corridor. The potential for growth at Yoe's, elevates this area as a high priority prospect for the Company.

Additional soil sampling and magnetic survey programs are planned to widen the prospective area at Yoe's.

2. 500m Long Open Gold anomaly defined at Golden Green.

Golden Green has been identified as a structurally controlled, sediment and greenstone hosted gold target with up to 31 historical workings mapped across a 200m north-north west strike. The main workings are 40m deep and are undrilled. Recent Rock chip sampling collected from mullock dumps returned a significant **8.21g/t Au,** which compliments previous sampling up to **4.1g/t Au[1].** Samples contain various styles of quartz veining, polymictic breccia's with quartz vein clasts, sheared and silica-sericite altered siltstone-sandstone wall rocks with box-work textures after sulphides.

Concurrent Auger drilling this quarter across a 500m x 400m area at 20m hole spacing and 100m lines revealed a significant, coherent, **500m** long gold anomaly at >20ppb Au which remains open in multiple directions (Figure 4). Portable XRF analysis highlight a semi-coincident Arsenic and Copper pathfinder association.

Infill and Extension Auger drilling is proposed and RC drilling will commence next quarter.

Golden Green is one of four structurally controlled, sediment and greenstone hosted gold targets at Fifield to the west of Sorpresa. Twin Shafts, an undrilled set of historical ~40m deep workings, Golden Green South, and Rabbit Hill workings (Figure 2) represent similar targets, and RC drilling is currently underway.

3. Regional RAB & RC Drilling – Rabbit Hill, Golden Green South, Twin Shafts.

Reverse Circulation drilling commenced very late in the Quarter testing targets at Golden Green South, Rabbit Hill and Twin Shafts. Drilling is in progress and results are awaited.

RAB Drilling this quarter comprised a north-south overlap traverse consisting of 60 holes for 1,888m.

The RAB traverse was designed to test the concept of magnetite destructive NW & NNW trending Gold rich shear zones traversing a poorly exposed ultramafic intrusion, based on a magnetic interpretation & significant panned gold in the area.

The RAB traverse intersected a deeply weathered sequence of sedimentary rocks, dominated by quartz-mica rich siltstones & sandstones and an ultramafic intrusion with a localised 'hornfelsed' contact metamorphic areole.

The RAB traverse was successful in discovering Gold anomalism in an intensely weathered (Incl. poorly developed laterite) ultramafic intrusion associated with an interpreted NW trending shear zone.

Reverse Circulation Drilling at the Twin Shafts historical workings

Significant Au intersections within the interpreted shear zone include:

- **17m @ 0.23g/t Au from 4m, Incl. 4m @ 0.50g/t Au** (FiRAB0271).
- **16m @ 0.32g/t Au from 0m, Incl. 8m @ 0.57g/t Au** (FiRAB0272).
- **1m @ 0.58g/t Au from 28m** (FiRAB0275).

Follow up RAB or auger drilling is being evaluated as well as testing numerous other magnetite destructive, NW to NNW trending structures which traverse ultramafic intrusions in the Fifield district, with soil, auger or RAB geochemistry.

Table 1: Significant RAB drilling intersections from the Rabbit Hill and Bullseye Hill areas (>0.1 g/t Au with < or = 2m internal dilution).

Hole ID	Easting (m GDA)	North (m GDA)	RL (Approx mAHD)	GDA Azimuth (°)	Dip (°)	EOH Depth (m)	Location	From (m)	Down Hole Length (m)	Au (g/t)	Max composite in interval (m)
FiRAB0231	541100	6367780	307	270	-60	66	Bullseye Hill to Rabbit Hill	58	6	0.31	2
FiRAB0263	541200	6368874	300	180	-60	51	Rabbit Hill	36	15	0.10	4
FiRAB0271	541200	6368710	298	180	-60	21	Rabbit Hill	4	17	0.23	4
							incl.	8	4	0.50	4
FiRAB0272	541200	6368700	298	180	-60	51	Rabbit Hill	0	16	0.32	4
							incl.	4	8	0.57	4
FiRAB0275	541200	6368643	298	180	-60	29	Rabbit Hill	28	1	0.58	1
FiRAB0304	541200	6368266	298	180	-60	49	Rabbit Hill	28	4	0.19	4

4. Eclipse North

An intensive work program including, geological mapping, rock chip sampling & auger drilling at the Eclipse North prospect has revealed a **>1,200m long** Gold, Silver, Base Metal (Cu-Pb-Zn), and pathfinder element rock chip anomaly. Significant rock chip assays (including previously collected samples) include:

- **Gold:** **18.7g/t Au, 2.4g/t Au, & 2.1g/t Au.**
- **Silver:** **21g/t Ag, & 13g/t Ag.**
- **Copper:** **0.62% Cu, 0.60% Cu & 0.60% Cu.**
- **Lead:** **0.78% Pb, 0.40% Pb & 0.35% Pb.**
- **Zinc** **0.23% Zn, 0.21% Zn & 0.21% Zn.**

The wide-spread metal anomalism is associated with gossanous low sulphidation epithermal quartz ±chalcedony-barite-calcite-sulphide vein & breccia float displaying complex multi-phase paragenesis & textures, including colloform-cockade banding, gossanous bands after massive sulphide with carbonate & bladed silica-calcite interpreted to be indicative of boiling (below). Importantly a bonanza gold event appears to be present based on the **18.7g/t Au** rock chip sample.

Eclipse North Au – Ag – Base Metal (Cu-Pb-Zn) prospect, illustrating typical banded & brecciated, epithermal style, quartz vein float samples spatially associated with Au (>20ppb Au) in auger geochemical anomalies.

Auger drilling this quarter within the 1,200m long anomaly on a 20m x 100m grid has defined a series of zoned Gold, Silver & Base Metal basement geochemical anomalies associated with the highest grade rock chip sample of 18.7g/t Au.

Peak auger values include Gold (up to **92ppb Au**), Silver (up to **4.7ppm**), Copper (up to **1,200ppm Cu**), Lead (**up to 1,525ppm Pb**), Zinc (**up to 1,120ppm Zn**) & pathfinders (As, Sb, Ba, Tl, In, Bi, Mo, Sn & Li). Significantly a series of interconnecting NW-SE & NE-SW orientated Gold anomalies **(>20ppb Au**) were delineated, which are interpreted to represent mineralised epithermal vein structures, with up to 500m strike & are wide open to the south (Figure 6).

The main Gold anomaly (**@ >20ppb Au, up to 92ppb Au**) is up to 140m wide, has >250m strike and is spatially associated with epithermal style quartz vein float & the historic **18.7g/t Au** rock chip result. The Gold auger anomaly is open to the south where the anomaly appears to be increasing in thickness & grade where the maximum gold value (92ppb Au) is located (Figure 7).

Geological mapping & auger drill chip logging has defined a ~650m wide zone of hydrothermally altered quartz-feldspar porphyries intruding a sedimentary sequence consisting of siltstone, sandstone, chert & jasper (banded silica-hematite-magnetite-sulphide) horizons over >700m strike which remains open to the south and north. Hydrothermal alteration includes, pervasive silicification, sericite, fuchsite, chlorite & sulphide alteration.

The significant early phase exploration completed this quarter is quickly defining Eclipse North as an emerging and significant stand-alone target area and is only one part of the larger Regional **Eclipse Trend** (Figure 2). **Similarities with the Sorpresa system are clear and further Auger drilling is in progress**. First pass RC drill testing of the currently defined auger anomalism is proposed.

5. Roseneath

A significant exploration program consisting of geological mapping, rock chip sampling & auger drilling at the Roseneath gold prospect during the quarter (Figure 2) is defining significant Au anomalism (up to **3.7g/t Au** in rock chips & up to **63ppb Au** in auger) in quartz-limonite veined & brecciated quartz-feldspar porphyry & chert horizons akin to the Sorpresa prospective geology.

Rock chip sampling of very limited outcrop and float has defined anomalous Gold or pathfinder elements (As, Ag, Cu, In, Li, Mo, Pb, Sb, Te, Tl & Zn) over an area of approximately **1.5km x 0.5km** (Figure 8). Gold anomalism is spatially associated with minor NE-SW trending sub-crops of gossanous, quartz-limonite veined, intensely silicified & brecciated chert & siltstone.

Significant rock chip assay results returned from Roseneath during the quarter include (Table 3):

- **3.7g/t Au** (FIR1070), **1.7g/t Au** (FIR1069) & **0.57g/t Au** (FIR1058).
- **0.11% Cu** (FIR1067).
- **82ppm Mo** (FIR1069).

Roseneath Gold Prospect, illustrating rock chip slabs with anomalous Au geochemistry.

Auger geochemical drilling on a 100m x 20m grid over an area 400m x 1,000m was implemented to locate the bed-rock source of the mineralised quartz veins & hydrothermally altered & brecciated chert horizons. Auger assays have been received for the initial central line with results awaited for an additional four parallel auger lines.

The initial auger line was successful in delineating three significant zones of Au anomalism **(>20ppb Au, up to 63ppb Au)** varying from 20m to 60m thick. The Au in auger zones are spatially associated with sericite altered, quartz-feldspar porphyry units and silicified, brecciated carbonaceous chert ('black silica') horizons. In addition extensive limonite box-work textures associated with various quartz veins, breccia infill & disseminations were logged, suggesting significant sulphides & carbonate in the primary zone at depth. **This is a similar geological setting to Sorpresa system some 3.5km to the NNE.**

Upon receipt & review of the final auger results additional extensional auger drilling & RC drill testing is planned. No previous RAB, RC or diamond drilling has occurred at the emerging Roseneath gold target.

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.

In 2010 the Company delivered a greenfields gold and silver discovery, named "Sorpresa", in the Fifield district. Subsequent exploration has provided evidence that the 8km^2 wider Sorpresa area is now considered a significant gold mineralized 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 include[1]:

- **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 mineralization is approximately 1.7km 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 an extensive prospective 20km^2 area at Fifield, which is part of the contiguous 313km^2 tenement position held.

View the latest presentation on the Company main project area at hyperlink: AGM Nov 2013 Presentation

*Please refer to Table 2:**Dates and Hyperlinks for previously referred to results in this report***

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 mineralization 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 mineralization 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 announcement 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.

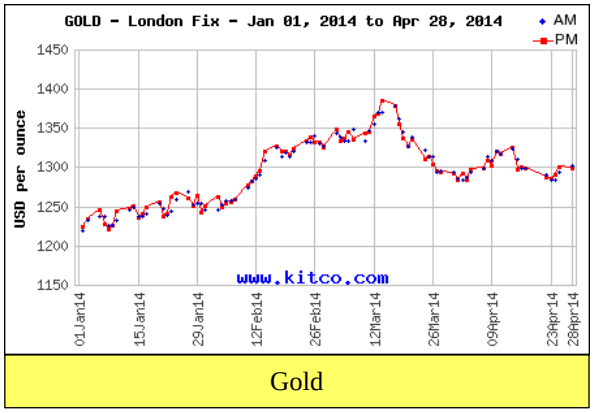
Table 2 Dates and Hyperlinks for previously referred to results in this report

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

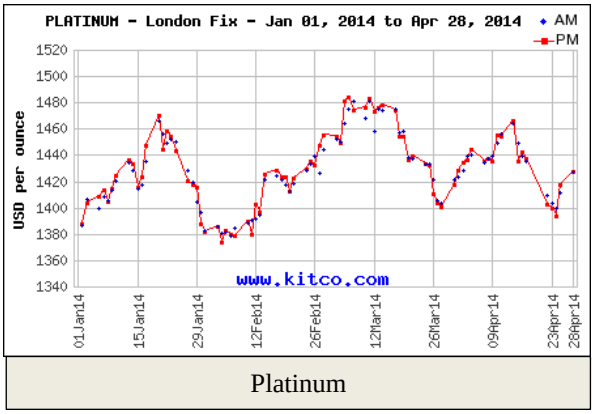
ASX June 13th 2012 High Grade Gold Intersection Sorpresa Project – Fifield NSW
ASX July 26th 2012 Successful Intersections at Sorpresa Gold Project
ASX October 10th 2012 Highest Gold and Silver Grades seen to date at Sorpresa Project
ASX December 18th 2012 Sorpresa Project Produces More Encouraging Results
ASX March 27th 2013 Additional Assays at Sorpresa Gold Project
ASX June 13th 2013 Further Positive RC Drilling Results at Sorpresa Project
ASX July 17th 2013 Diamond Drilling Reveals Bonanza Grade of 1m @ 114g/t Au
ASX October 21st 2013 Results Confirm Extensions of Gold and Silver at Sorpresa Project
ASX December 20th 2013 High Grade Silver extensions continue at Roadside
ASX February 14th 2014 Gold Intersections Confirm New Intersections at Sorpresa

COMMODITY PRICING FOR THE MARCH 2014 QUARTER

As at 28th April 2014, the trading prices (www.kitco.com) for precious metals had maintained a similar level to the previous quarter close, but volatility was still a key feature. Platinum maintained a sizable premium to gold.



Gold



Platinum

As at 28th April 2014, the prices for metals in New York based on closing Ask in USD were as follows:

Gold	$1,297/oz
Platinum	$1,424/oz
Silver	$19.70/oz

CORPORATE ACTIVITIES

Tenement Position

The company relinquished EL 6106 at Bingara during the quarter, no other changes were noted.

Cash, Funding, Facilities and Investments

As at 31st March 2014 the Company had approximately $1.783M in cash and was expecting **an inflow of approx. $1.1m** in the 2nd Quarter from its Ausindustry R & D application.

JOHN KAMINSKY
Executive Chairman

Figure 1: ***Sorpresa Implicit Model Long Section looking west illustrating higher grade (a) Gold and (b) Silver mineralisation and new down dip and down plunge extensional targets ready for RC and Diamond tail drilling.*** *(Implicit Model is an interpretive exploration model imaging (a) Gold: yellow >0.2g/t Au, red >0.5g/t Au, purple >2g/t Au), (b) Silver: Light Grey > 31g/t Au, Dark grey > 62g/t Ag).*

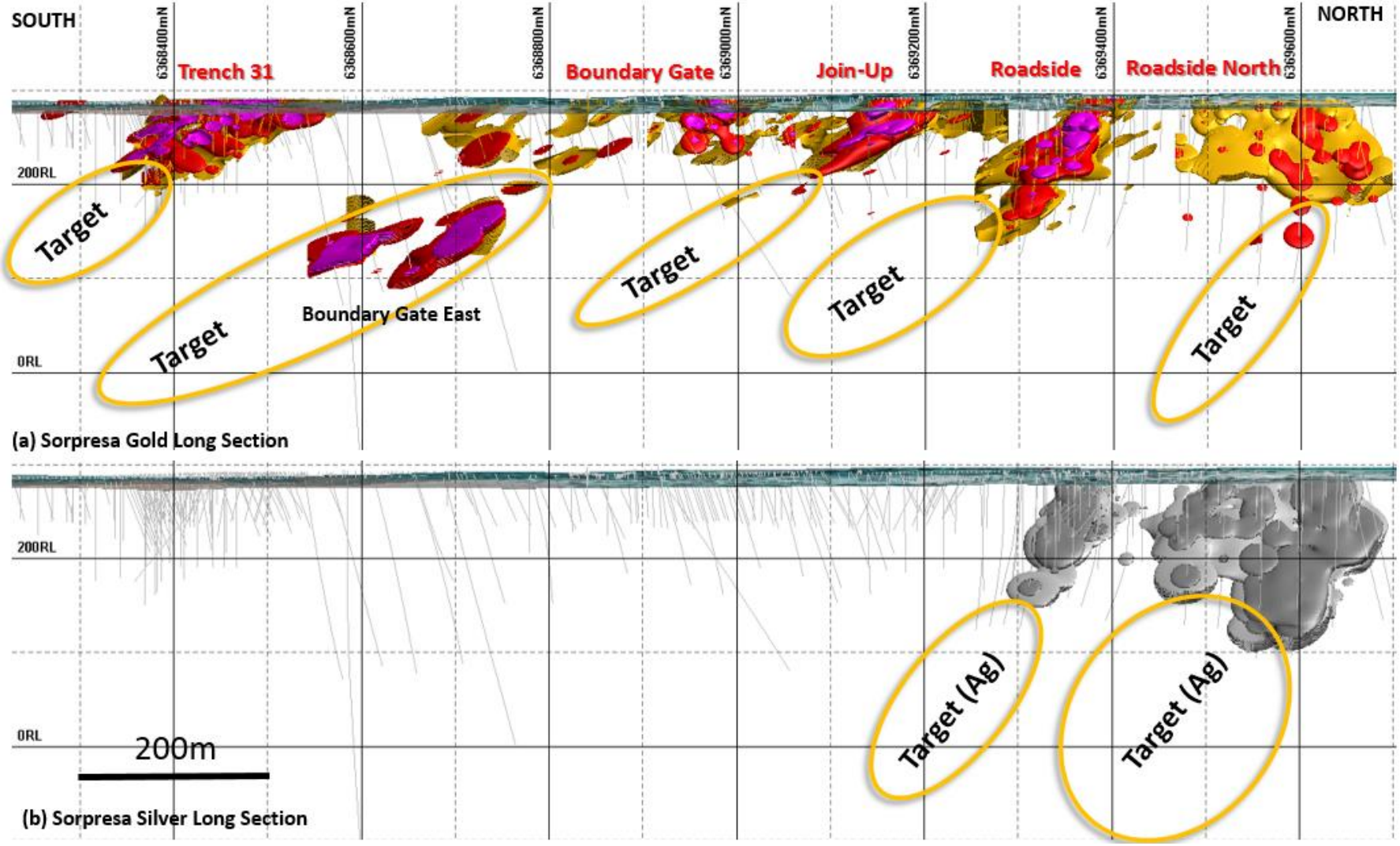


Figure 1a: ***Results from RC Drilling Boundary Gate East – With adjacent IP Anomaly (closeup view)***

Plan View (refer to Figure 1 for location of BGE) illustrating significant intersections from the RC drilling at Boundary Gate East on pole-dipole induced polarization chargeability depth slice image at -350m below surface. (* Previously reported diamond core intersections, refer to Competent Person's statement).

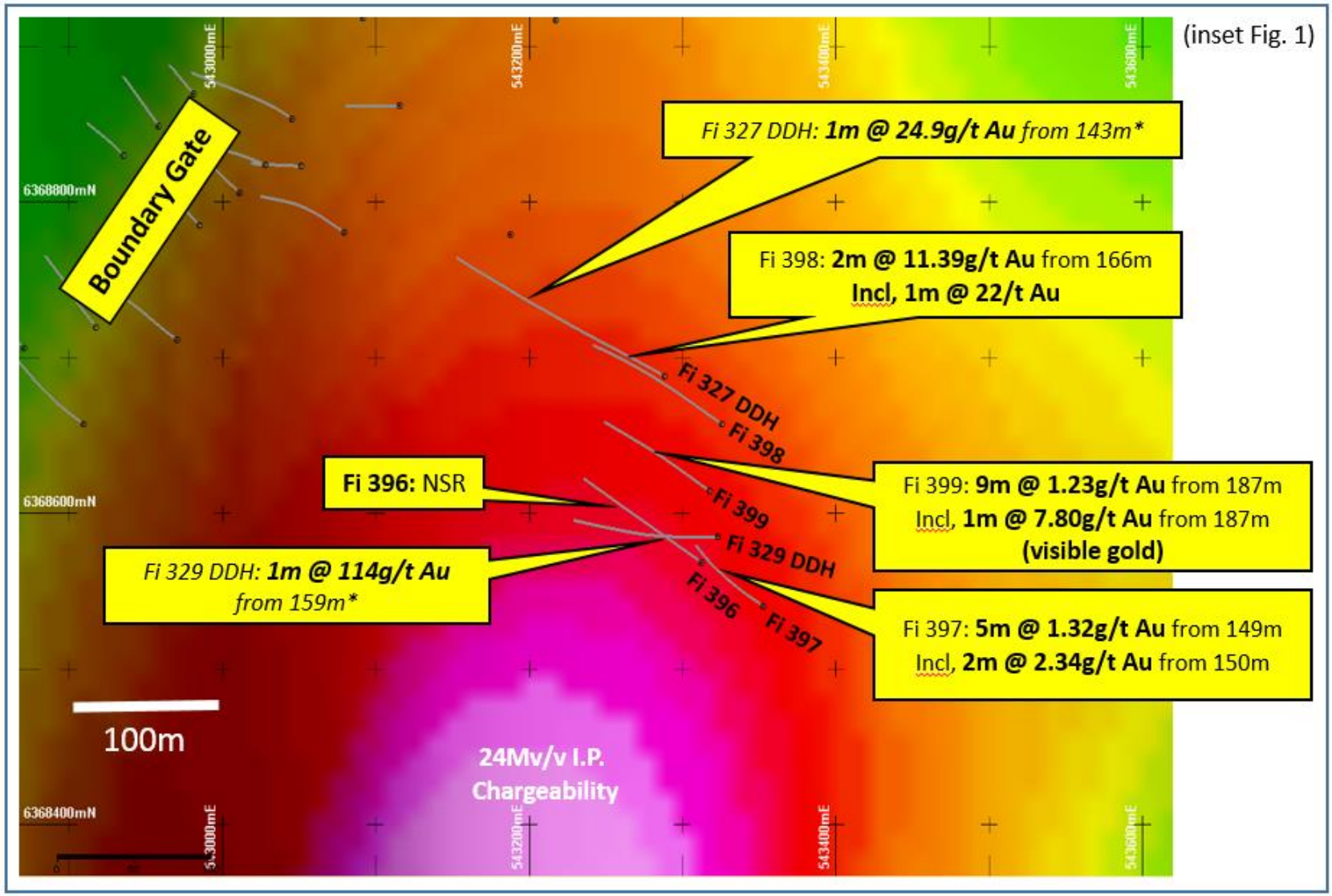


Figure 2: ***Fifield Concept Map illustrating exploration activity during the Quarter.***

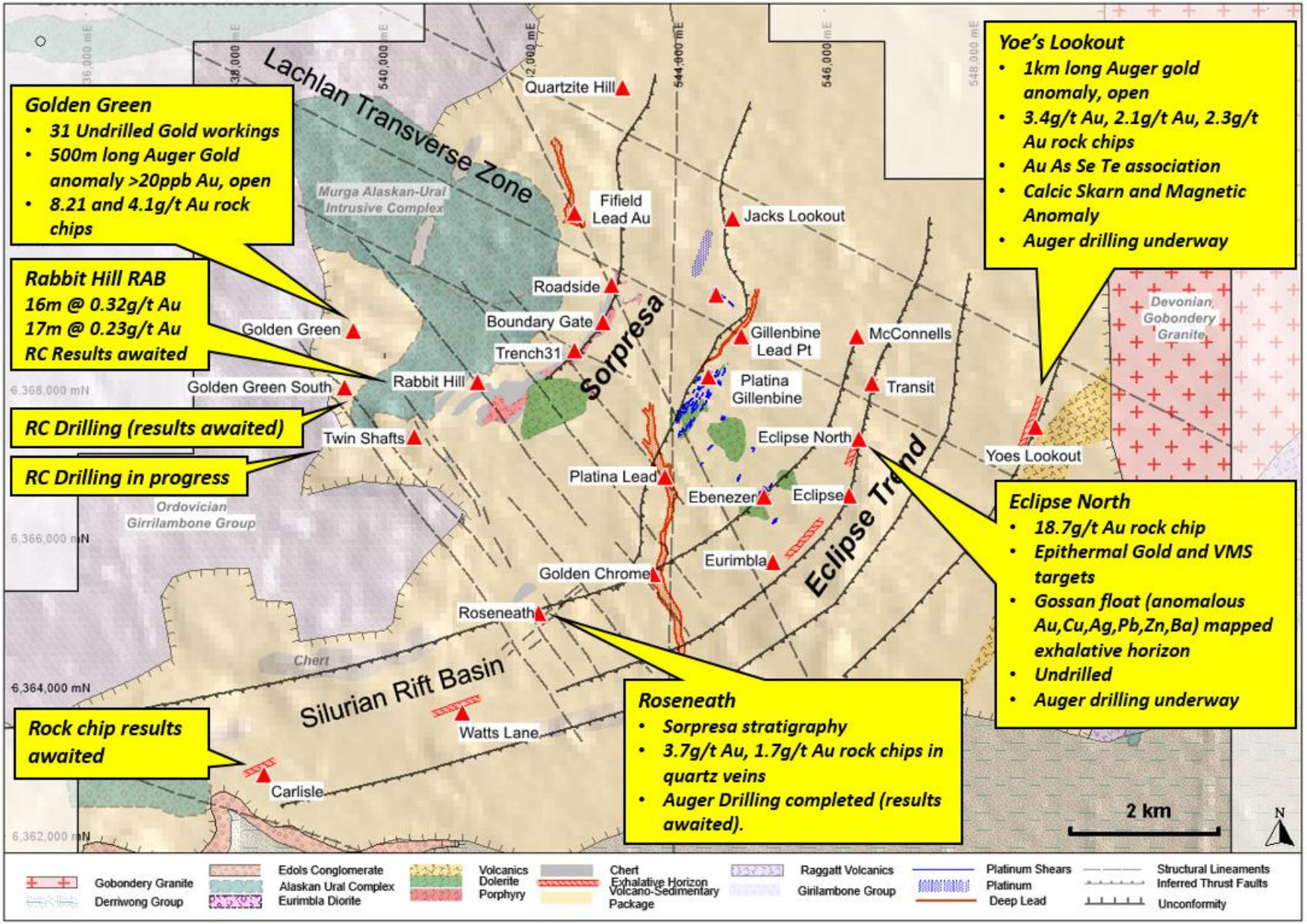


Figure 3: ***Yoe's Lookout previous and extension auger drilling and rock chip sampling on RTP aeromagnetic image with airphoto. Auger drilling has extended the Gold anomaly to 1km long and remains open.***

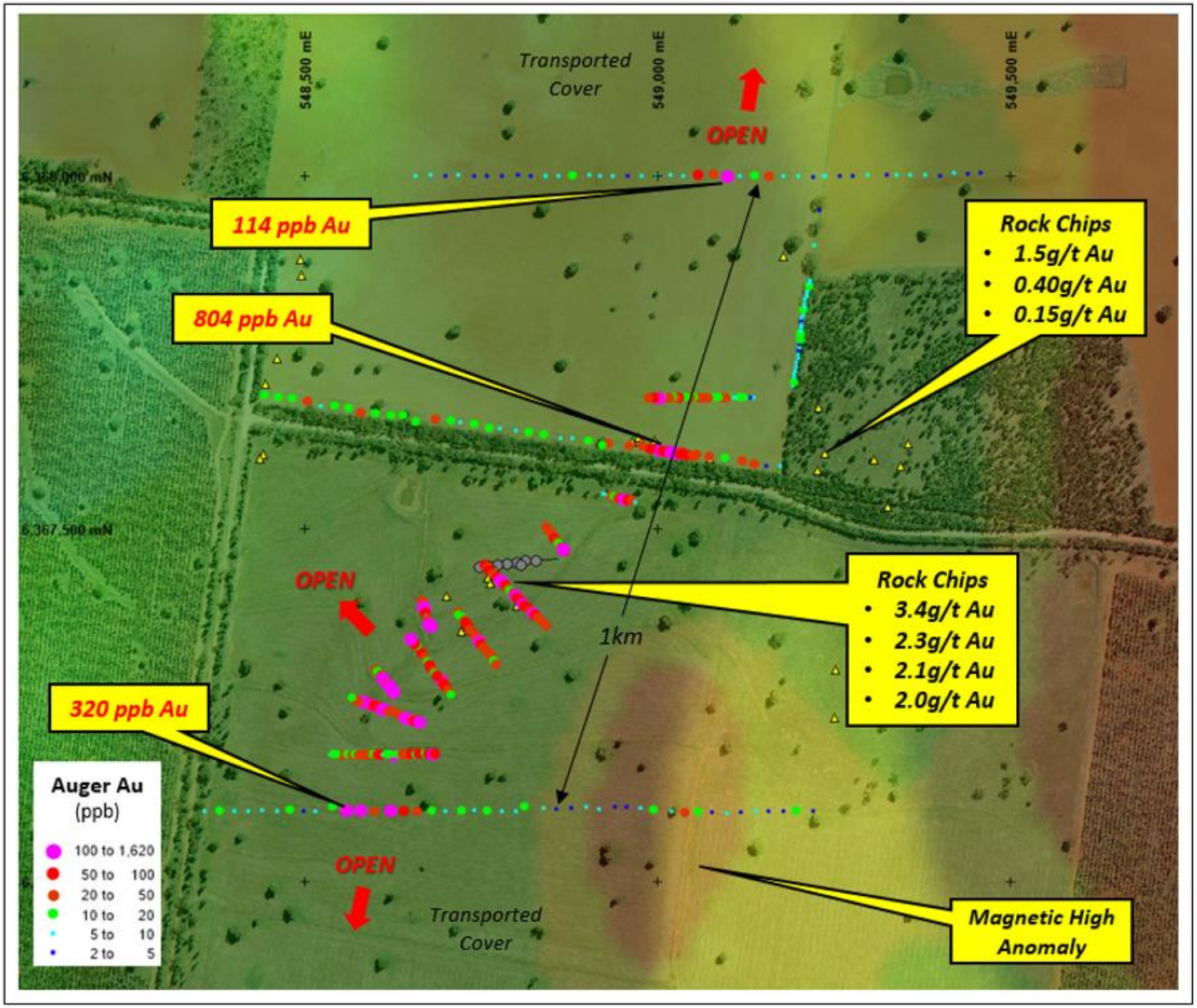


Figure 4: ***Golden Green Auger Drilling Gold results illustrating >10ppb Au and >20ppb Au contours.***

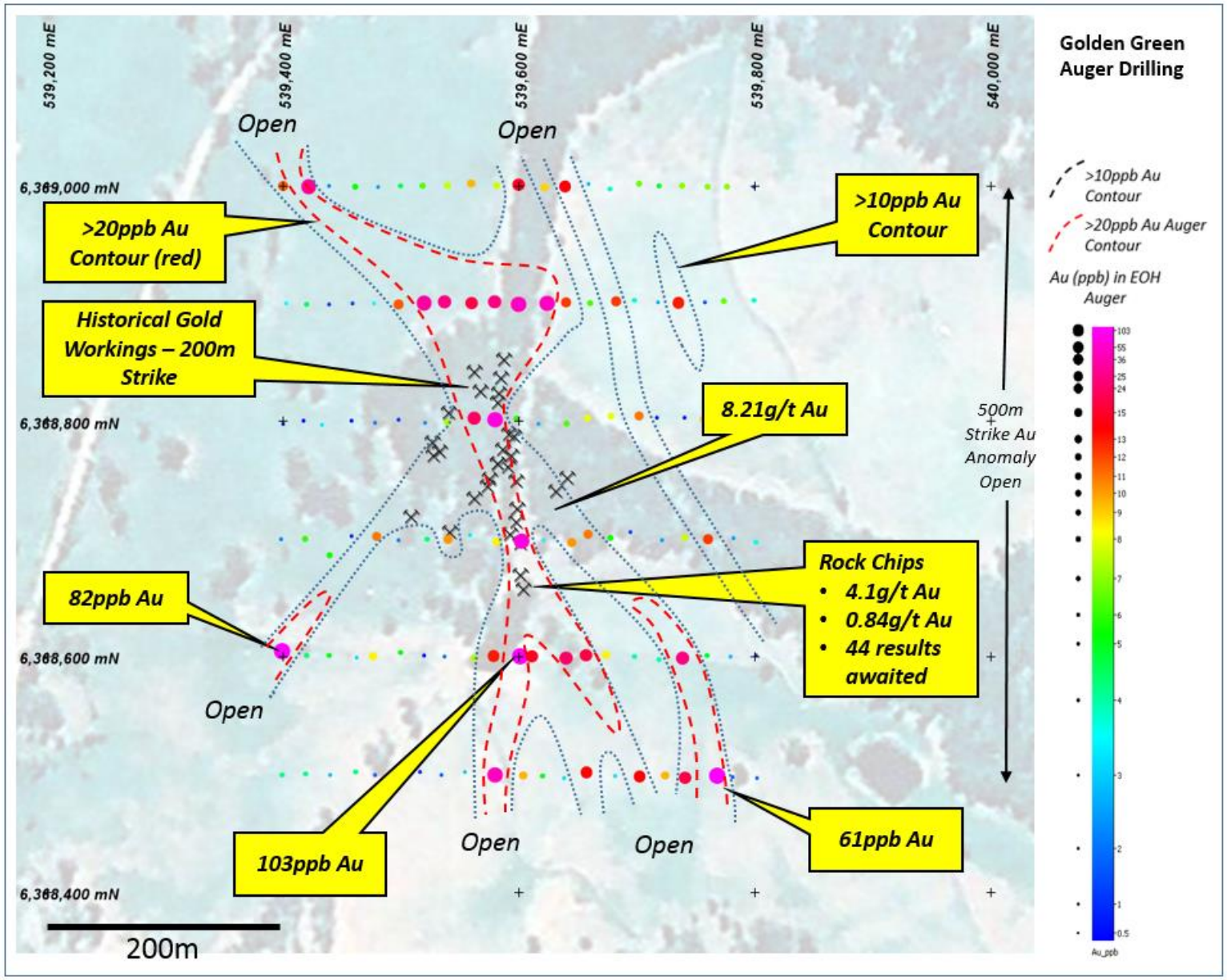


Figure 5: ***Golden Green to Rabbit Hill target area, illustrating location of the Rabbit Hill RAB traverse with significant gold intersections, recently completed Golden Green South RC hole (results awaited) on a RTP aeromagnetic & aerial photograph.***

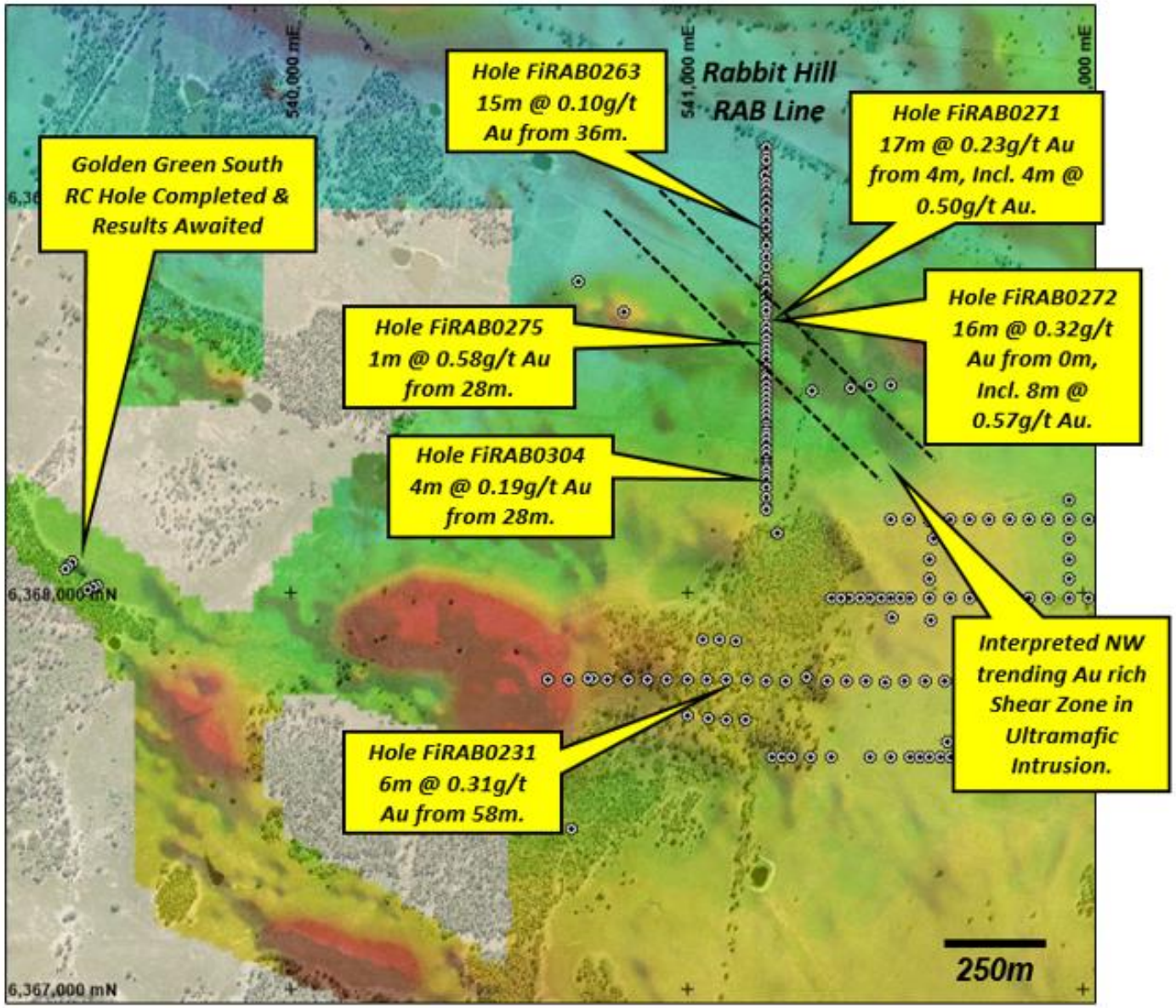


Figure 6: ***Eclipse North Au – Ag – Base Metal (Cu-Pb-Zn) prospect, illustrating Gold (ppb) in auger drilling, >20ppb Au auger contour & significant Gold rock chip results annotated on RTP 1VD aeromagnetic image.***

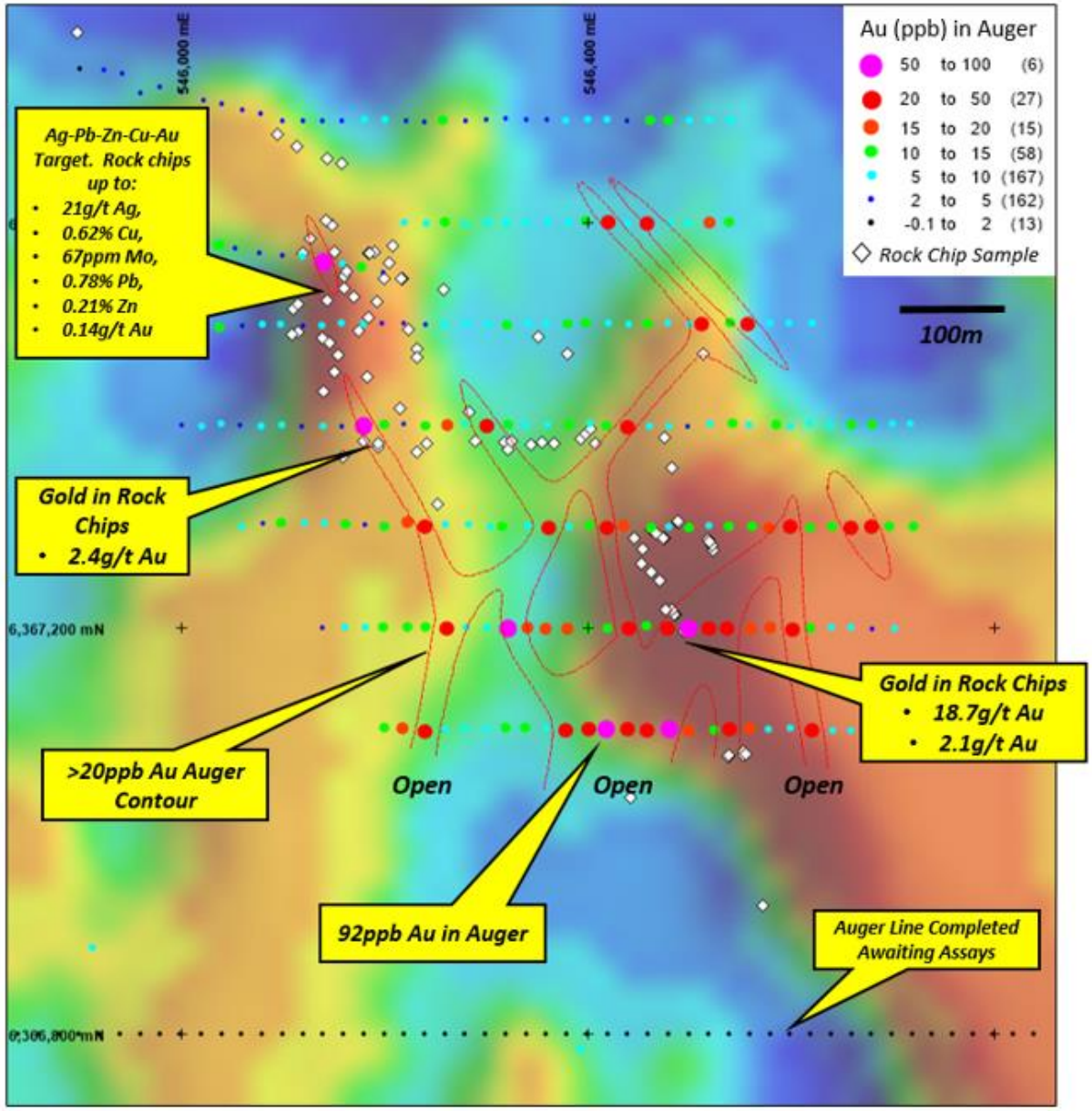


Figure 7: ***Eclipse North Au – Ag – Base Metal (Cu-Pb-Zn) prospect, illustrating Au (ppb) in auger results, >20ppb Au auger contour & rock chip locations, including significant Au results annotated on EOH auger geology map.***

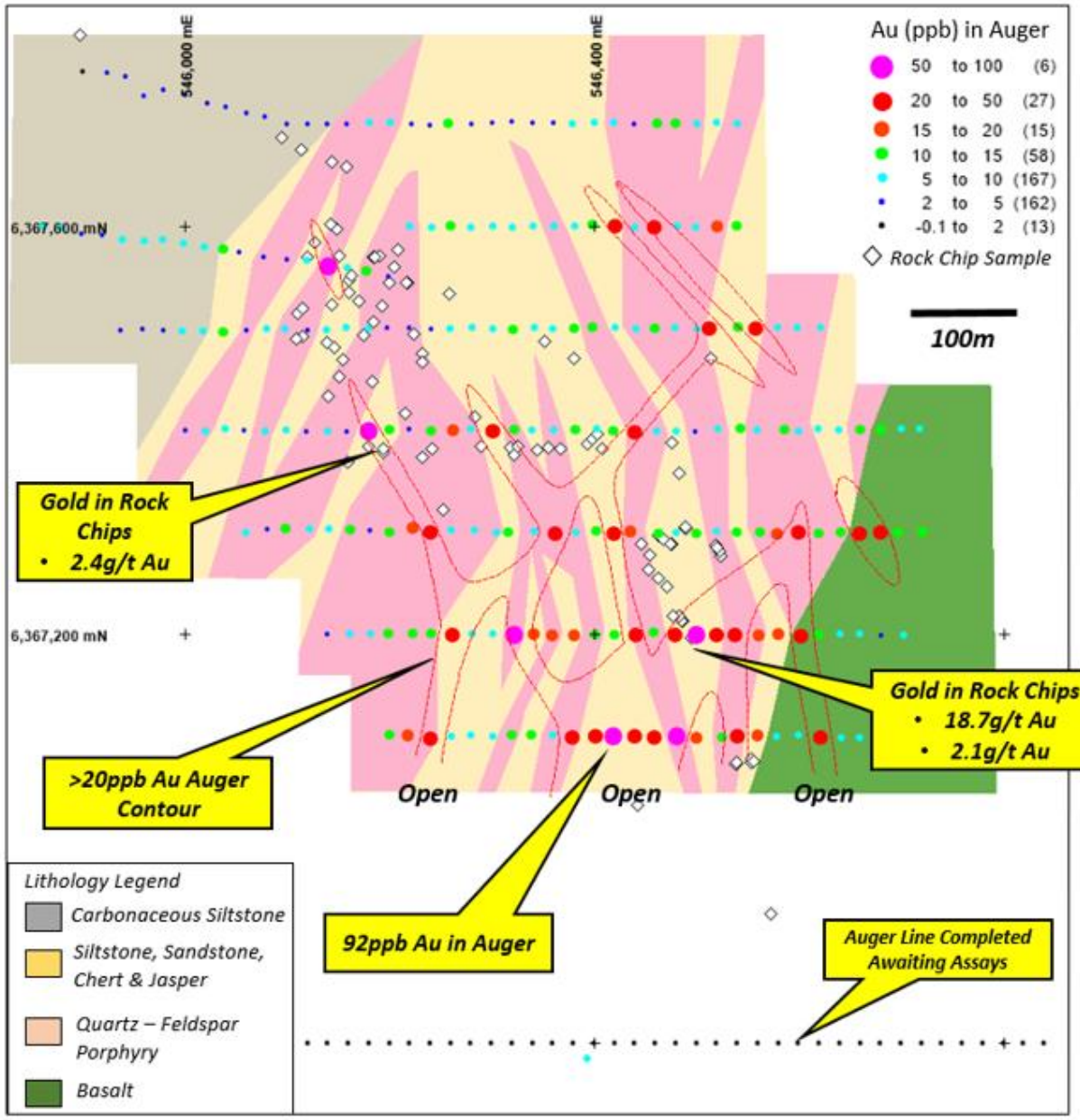


Figure 8: ***Roseneath Gold Prospect, illustrating Au (ppb) in auger results, significant Gold rock chip results & auger holes awaiting assays, annotated on an air photo image.***

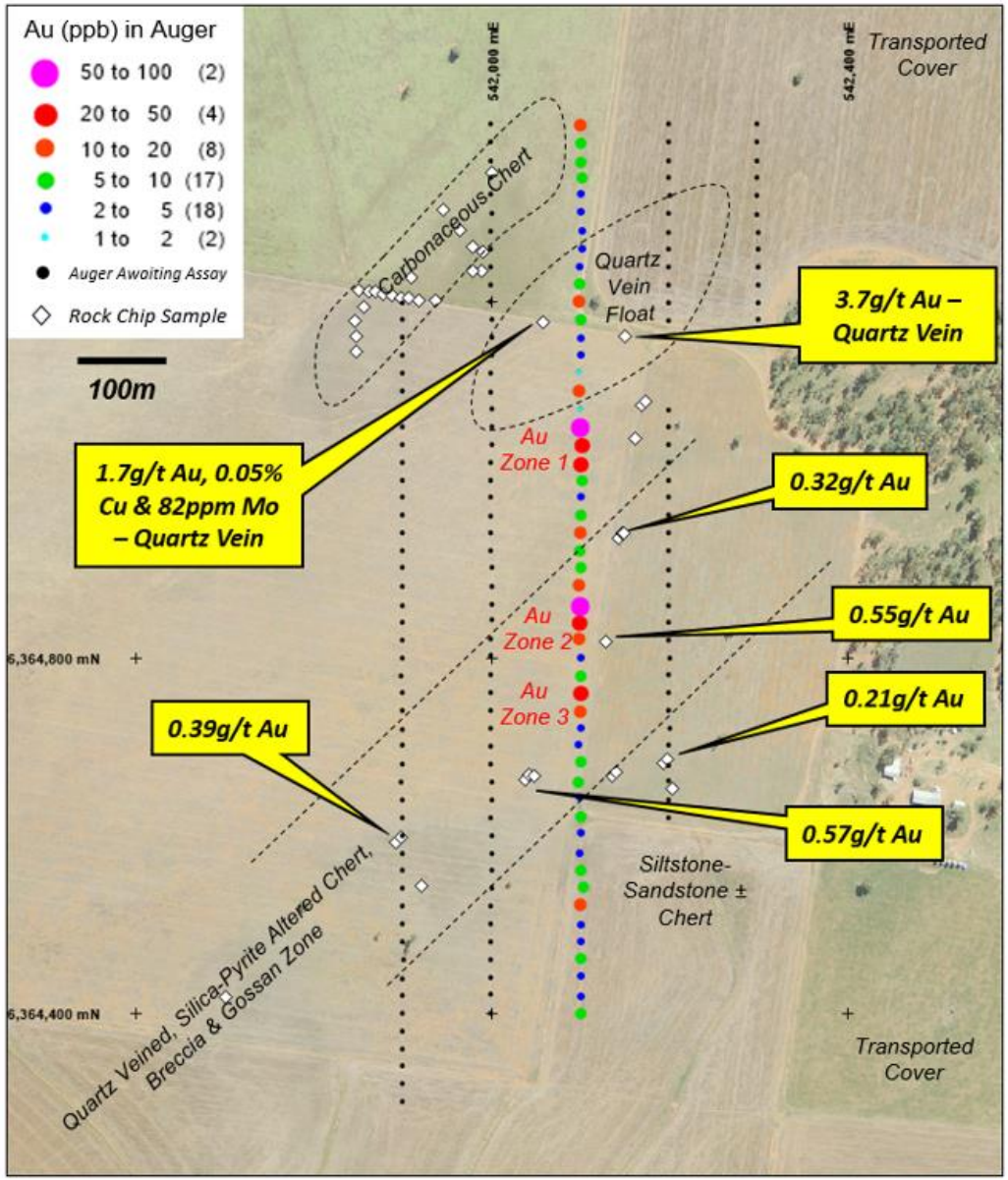


Table 1: Significant rock chip results (>0.1 g/t Au or >1g/t Ag or >0.1% As or Cu or Pb or Zn

Sample	Type	East	North	Locality	AU_PPB	Au (g/t)	Ag (g/t)	As (%)	Cu (%)	Pb (%)	Zn (%)	Description
FIR1002	FLOAT	548973	6367629	Yeos Lookout	519	0.519	0.1	0.02	0.01	<0.01	<0.01	Strongly oxidised, finely laminated, fg, quartz-magnetite rock (Fe rich Chert to Jasper), cut qtz-lim (py boxworks) veins & limonite-quartz after sulphide replacement bands.
FIR1010	FLOAT	548766	6367435	Yeos Lookout	3360	3.360	0.2	0.04	0.01	<0.01	<0.01	Mod oxidised, finely laminated, fg, quartz-magnetite-hematite rock (Fe rich Chert to Jasper). Hem-qtz-py after mt-qtz - magnetite destructive alt , associated with qtz-lim(after py) veins, cut by late lim veinlets.
FIR1011	FLOAT	548771	6367440	Yeos Lookout	2140	2.140	0.1	0.04	0.02	<0.01	<0.01	Mod oxidised, finely laminated, fg, quartz-magnetite-hematite rock (Fe rich Chert to Jasper). Hem-qtz-py after mt-qtz - magnetite destructive alt , associated with qtz-lim(after py) veins, cut by late lim veinlets.
FIR1012	FLOAT	548761	6367430	Yeos Lookout	1020	1.020	0.1	0.02	0.01	<0.01	<0.01	Mod oxidised, finely laminated, fg, quartz-magnetite-hematite rock (Fe rich Chert to Jasper). Hem-qtz-py after mt-qtz - magnetite destructive alt , associated with qtz-lim(after py) veins, cut by late lim veinlets.
FIR1031	FLOAT	546329	6366475	Eclipse	2	0.002	0.8	0.06	0.20	0.01	0.01	Colliform-cockade banded, qtz(chalcedony-limonite(after sulphide)) veining, with brecciated qtz veins.
FIR1032	FLOAT	546324	6366469	Eclipse	2	0.002	0.9	0.06	0.20	0.01	0.00	Gossan with boxwork textures and brecciated qtz vein clasts.
FIR1035	FLOAT	546442	6367033	Eclipse	105	0.105	0.2	0.01	0.25	<0.01	<0.01	Irregular qtz-lim (after sulphide) veins in limonite alt rock (gossan).
FIR1042	FLOAT	545760	6366751	Eclipse	118	0.118	0.4	0.07	0.04	0.01	0.01	Gossanous qtz vein breccias.
FIR1043	MULL	541222	6368140	Rabbit Hill	2520	2.520	0.1	<0.01	<0.01	<0.01	<0.01	Mod oxidised, qtz vein sample.
FIR1045	MULL	540471	6367498	Twin Shafts	1510	1.510	0.1	<0.01	<0.01	<0.01	<0.01	Milky white quartz veining & grey breccia quartz veins with chl clasts.
FIR1047	MULL	540457	6367510	Twin Shafts	565	0.565	0.2	0.02	<0.01	<0.01	<0.01	Milky white quartz veining with illite-qtz alt wall-rock clasts.
FIR1058	OUTCRO	542047	6364667	Roseneath	568	0.568	0.3	0.01	0.01	<0.01	0.01	Brecciated, limonitic chert.
FIR1067	FLOAT	541348	6365298	Roseneath	4	0.004	0.1	0.07	0.11	<0.01	0.05	Ironstone.
FIR1069	FLOAT	542058	6365178	Roseneath	1700	1.700	1.0	0.03	0.05	<0.01	0.00	Brecciated, limonitic-Mn stained, qtz vein.
FIR1070	FLOAT	542149	6365162	Roseneath	3740	3.740	1.0	0.29	0.02	0.01	0.00	Brecciated, limonitic - Mn stained qtz vein.
FIR1080	FLOAT	546192	6367522	Eclipse	17	0.017	3.8	0.22	0.24	0.40	0.07	Brecciated, qtz vnd, ironstone (gossan).
FIR1081	FLOAT	546184	6367507	Eclipse	5	0.005	5.2	0.04	0.09	<0.01	0.01	Limonite-Mn stained, qtz veins in ferruginous siltstone.
FIR1083	FLOAT	546119	6367570	Eclipse	106	0.106	1.3	0.01	0.03	0.05	0.03	Colloform-Cockade banded quartz vein.
FIR1084	FLOAT	546150	6367453	Eclipse	117	0.117	20.8	0.01	0.12	0.20	0.03	Colloform-cockade banded, qtz-lim-mn vein, with minor 'fresh' chalcopyrite.
FIR1085	FLOAT	546140	6367433	Eclipse	106	0.106	3.7	0.03	0.10	0.09	0.02	Brecciated, ferruginous, colloform-cockade banded, qtz veining, with minor ironstone.
FIR1086	FLOAT	546110	6367515	Eclipse	7	0.007	1.4	0.01	0.59	0.22	0.08	Qtz-lim-mn vein, in ironstone (gossan).

Sample	Type	East	North	Locality	AU_PPB	Au (g/t)	Ag (g/t)	As (%)	Cu (%)	Pb (%)	Zn (%)	Description
FIR1087	FLOAT	546115	6367520	Eclipse	14	0.014	2.9	0.10	0.17	0.08	0.02	Colloform-cockade banded qtz vein.
FIR1088	FLOAT	546179	6367385	Eclipse	81	0.081	2.0	0.08	0.13	0.07	0.01	Brecciated, colloform-cockade banded, qtz-lim vein.
FIR1089	FLOAT	546194	6367379	Eclipse	47	0.047	0.7	0.03	0.12	0.01	0.02	Qtz-lim-mn vein, in ironstone (gossan).
FIR1091	FLOAT	546289	6367385	Eclipse	6	0.006	1.2	0.01	0.05	0.02	0.01	Vuggy qtz-lim altered rock.
FIR1093	FLOAT	546325	6367385	Eclipse	22	0.022	0.2	0.01	0.02	0.03	0.23	Qtz-lim ironstone (gossan).
FIR1108	FLOAT	542318	6363470	Watts Lane	-2	-0.002	0.3	<0.01	0.33	<0.01	0.04	Brecciated, ferruginous chert, with secondary Fe-Mn oxide crackle breccia infill or stockwork veining.
FIR1122	FLOAT	540644	6363774	Watts Lane	2	0.002	2.6	0.18	0.01	0.01	0.15	Fe-Mn Ironstone (gossan ?).
FIR1129	FLOAT	540697	6363604	Watts Lane	104	0.104	0.1	0.01	<0.01	<0.01	0.00	Qtz-hem-mt altered rock, with hem-goe boxworks after sulphide.
FIR1134	SUBCRO	539598	6368556	Golden Green	10	0.010	0.3	0.01	0.10	<0.01	0.08	Ferruginous breccia.
FIR1135	SUBCRO	539601	6368560	Golden Green	5	0.005	0.2	0.02	0.05	<0.01	0.16	Ferruginous breccia.
FIR1136	SUBCRO	539605	6368560	Golden Green	3	0.003	0.2	0.01	0.10	<0.01	0.07	Ferruginous breccia.
FIR1142	SUBCRO	539571	6368562	Golden Green	4	0.004	0.2	0.01	0.01	<0.01	0.34	Quartz-limonite veined, ferruginous siltstone.
FIR1145	MULL	539606	6368659	Golden Green	200	0.200	0.1	0.02	<0.01	<0.01	0.01	Qtz-ser-cb-lim alt, ferruginous siltstone.
FIR1146	MULL	539608	6368661	Golden Green	2820	2.820	0.1	0.01	<0.01	<0.01	0.01	Quartz veins.
FIR1147	MULL	539601	6368671	Golden Green	548	0.548	0.0	<0.01	<0.01	<0.01	0.00	Qtz vnd, ferruginous siltstone.
FIR1148	MULL	539603	6368673	Golden Green	154	0.154	0.1	0.01	<0.01	<0.01	0.00	Qtz vnd, ferruginous siltstone.
FIR1149	PILE	539588	6368656	Golden Green	284	0.284	0.1	0.08	<0.01	<0.01	0.01	Qtz vnd, chlorite-graphite rich siltstone.
FIR1152	FLOAT	539626	6368806	Golden Green	229	0.229	0.1	0.02	0.01	<0.01	0.03	Ferruginous quartz breccia.
FIR1153	MULL	539595	6368752	Golden Green	393	0.393	0.1	0.03	0.01	<0.01	0.01	Quartz-limonite veined, limonitic sandstone+/-siltstone.
FIR1154	MULL	539597	6368754	Golden Green	864	0.864	0.0	0.02	0.01	<0.01	0.01	Quartz-limonite veined, limonitic sandstone+/-siltstone.
FIR1155	FLOAT	539628	6368753	Golden Green	721	0.721	0.2	0.03	0.01	<0.01	0.04	Qtz-lim vnd, ferruginous, sandstone-siltstone.
FIR1159	PILE	539632	6368742	Golden Green	592	0.592	0.1	0.02	<0.01	<0.01	0.01	Quartz vein sample.
FIR1160	PILE	539634	6368744	Golden Green	8210	8.210	0.1	0.02	<0.01	<0.01	<0.01	Quartz vein sample.
FIR1161	PILE	539636	6368746	Golden Green	330	0.330	0.2	0.02	<0.01	<0.01	0.00	Quartz vein sample.
FIR1175	FLOAT	545159	6365582	Eurimbla	1250	1.250	0.2	<0.01	<0.01	<0.01	<0.01	Brecciated, qtz-hem-lim veined, qtz-mt-hem-lim jasper, with box work textures after pyrite.

Sample	Type	East	North	Locality	AU_PPB	Au (g/t)	Ag (g/t)	As (%)	Cu (%)	Pb (%)	Zn (%)	Description
FIR1176	FLOAT	545384	6365599	Eurimbla	11	0.011	3.3	0.02	0.35	0.29	0.19	Ironstone.
FIR1178	FLOAT	545494	6365672	Eurimbla	15	0.015	6.1	0.01	0.16	0.34	0.23	Ironstone.
FIR1183	PILE	545559	6366389	Eurimbla	6	0.006	0.9	0.27	0.01	0.01	0.00	Gossanous polymictic breccia.
FIR1187	PILE	545503	6365780	Eurimbla	48	0.048	1.4	0.02	0.01	0.05	0.01	Epithermal quartz vein breccia, with bladed qtz-cb-ba hosted in jasper horizon.
FIR1188	PILE	545508	6365785	Eurimbla	99	0.099	4.6	0.01	0.06	0.92	0.01	Epithermal quartz vein breccia, with bladed qtz-cb-ba hosted in jasper horizon.
FIR1189	PILE	545505	6365780	Eurimbla	18	0.018	1.0	0.02	0.06	0.20	0.04	Epithermal quartz vein breccia, with bladed qtz-cb-ba hosted in jasper horizon.
FIR1190	PILE	545502	6365778	Eurimbla	17	0.017	2.4	0.01	0.01	0.15	0.02	Qtz-lim vnd, jasper.
FIR1191	PILE	545529	6365745	Eurimbla	10	0.010	3.1	<0.01	0.01	0.11	0.02	Epithermal quartz vein breccia, with bladed qtz-cb-ba hosted in jasper horizon.
FIR1193	PILE	545528	6365757	Eurimbla	2	0.002	1.4	0.02	0.12	<0.01	0.03	Goethite rich ironstone.
FIR1194	PILE	545530	6365759	Eurimbla	2	0.002	0.2	<0.01	0.14	<0.01	0.00	Epithermal qtz-lim vein.
FIR1198	FLOAT	545278	6365598	Eurimbla	-2	-0.002	1.0	0.05	0.03	0.20	0.21	Ironstone.
FIR1199	FLOAT	545255	6365599	Eurimbla	3	0.003	1.5	0.03	0.02	0.34	0.25	Ironstone.

Table 4: JORC Code Reporting Criteria

Section 1 Sampling Techniques and Data

Criteria	*JORC Code explanation*	*Commentary*
Sampling techniques	· 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.	RC Samples are collected at 1m intervals from the cyclone in plastic bags. RAB Samples are collected at 1m intervals from the cyclone in plastic bags. 1 metre interval was sampled from all Auger holes within in situ weathered basement geology. Nominal 2 kg samples were collected at the drill rig. Rock Chips samples were a mix of float and sub crop (identified in results table).
	· Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Industry standard QAQC protocols with insertion of certified reference samples, blank samples and field duplicates are included every 50, 51 and 52nd sample respectively.
	· 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.	Hole collars are surveyed using a Garmin GPS, and Omnistar DGPS. Downhole surveying in RC hole is conducted every 20m open hole, and where required every 50m in-rod using stainless steel rods
Drilling techniques	· 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).	Reverse Circulation conducted using face sampling hammer (144mm diameter). RAB drilling conducted using blade bit (100mm diameter). Auger drilling conducted by trailer mounted hydraulic driven auger rig with nominal hole diameter of 100mm.

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 was homogenized and speared and composited and maximum composite interval within significant intersection is provided with result. Sample returned from 1 metre auger interval was 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.
Sub-sampling techniques and sample preparation continued…	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	· The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	Reported RC samples are dispatched to ALS Laboratories with Au determined by Au_AA26 and Screen fire assay method Au_SCR22AA (for selected intervals) to 0.01 ppm. Full suite multi-element analysis are via Four Acid Digest methods ME-MS61 (<100g/t Ag, <1% Pb and <1% Zn) and Ag-OG62 (>100g/t Ag), Pb-OG62 (>1%Pb), Zn-OG62 (>1%Zn). 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. Rock chip samples are submitted 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. 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.
	· 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.	All significant results reported from NATA accredited laboratory. 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.
	· 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.	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 is currently being arranged.

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.	No holes have been twinned at this stage.
	· 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 an Omnistar 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.
Data spacing and distribution	· Data spacing for reporting of Exploration Results.	RC Exploration currently on a nominal 80 X 40m to grids. RAB exploration conducted on traverses with coverage on 60 ° dipping holes. Auger exploration currently on a nominal 100 X 20m to grids. Rock Chip samples not on a defined grid pattern.

Criteria	*JORC Code explanation*	*Commentary*
Data spacing and distribution	· 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 will require infill to 40 X 40 m grid (completed in places). 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	· 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.	Reported RC intersections all from EL5534, 100% Rimfire Pacific Mining NL tenement at Fifield NSW on private freehold. Reported rock chip and auger results from: EL5534 (Golden Green); EL6241 (Eclipse, Roseneath, Watts Lane) and EL7058 (Yoes Lookout). Reported RAB results from EL5534. All tenements are 100% owned Rimfire Pacific Mining NL at Fifield NSW. All samples were taken on private freehold. No native title exists. The land is used primarily for grazing.
	·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 under specific approvals from NSW Trade and Investment, Mineral Resources.
Exploration done by other parties	· Acknowledgment and appraisal of exploration by other parties.	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.
Geology	· Deposit type, geological setting and style of mineralisation.	The mineralisation currently being pursued appears to have many similarities with typical carbonate base metal epithermal gold style, in a Siluro Devonian back arc basin setting.
Drill hole Information	· 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:	Plans showing location of drill holes and also location of significant results and interpreted trends are providing in the figures of report. Significant RC results are provided within the report with tabulated details previously released. Significant RAB results are provided in table in within the report. Significant rock chip results are provided in table within the report.
	easting and northing of the drill hole collar	
	elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar	
	dip and azimuth of the hole	
	down hole length and interception depth	

Criteria	*JORC Code explanation*	*Commentary*
Drill hole Information Continued.	· 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 ≥ 0.1g/t Au and or ≥ 10g/t Ag cut off and ≤ 2m 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.
Diagrams	· 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

Criteria	*JORC Code explanation*	*Commentary*
Balanced reporting	· 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 Tables 1 and 3.
Other substantive exploration data	· 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	· The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	Step out RC drilling is currently planned at Sorpresa 40m, 60m and 80m down dip and along strike from significant intersections. Infill and extension auger and percussion drilling is currently planned to further define the Eclipse, Yoes Lookout, Roseneath and Golden Green targets.
	· 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

Appendix 1 - Sorpresa Project Information Thread

Sorpresa Project Information Thread

The Company provides a selected **hyperlink thread** of the Sorpresa Gold Mineralization area with materials relevant to the reader reported under the 2004 JORC code reporting requirements, and materials reported under the **2012 JORC code from 1st December 2013** to the current date. The thread provides important views previously expressed, that will assist the reader with understanding the Company's technical consideration and historic perspective for the work undertaken. Views expressed at the time of each report are reflective of the circumstances and data available at that time and views may have been subsequently modified with additional information received in later periods:

1. ASX March 20th 2014 Wider Sorpresa Regional Exploration Makes Advances - Gold Potential Extends at Fifield
2. ASX February 14th 2014 Gold Intersections Confirm New Extension at Sorpresa Project Fifield NSW
3. ASX January 31st 2014 Quarterly Exploration and Activities Report for the December 2013 Period
4. ASX December 20th 2013 High Grade Silver extensions continue at Roadside
5. ASX December 6th 2013 Excellent Preliminary Metallurgy Results at Sorpresa Project
6. ASX November 22nd 2013 Exploration Presentation AGM 2013
7. ASX November 20th 2013 Sorpresa Project Drilling Continues
8. ASX October 31st 2013 September 2013 Quarterly Report of Exploration Activities
9. ASX October 21st 2013 Results Confirm Extension of Gold and Silver at Sorpresa Project
10. ASX July 31st 2013 Exploration Report June 2103 Quarter
11. ASX July 17th 2013 Diamond Drilling Reveals Bonanza Grade of 1m @ 114g/t Au
12. ASX June 13th 2013 Further Positive RC Drilling Results at Sorpresa Project
13. ASX May 23rd 2013 Diamond and RC Drilling Completed, RAB Drilling Extended
14. ASX April 26th 2013 Mineralized Zones Intersected in Diamond Drilling
15. ASX April 12th 2013 RAB Drilling program Commences at Sorpresa
16. ASX April 5th 2013 Diamond Drilling and RC Drilling Commences at Sorpresa Gold Project
17. ASX March 27th 2013 Additional Assays at Sorpresa Gold Project
18. ASX March 13th 2013 Sorpresa Gravity Geophysical Survey Commences
19. ASX February 19th 2013 Continuous 350m Section Established at Roadside Area & New Gold Zone Intersected
20. ASX January 31st 2013 Quarterly Exploration Activities December 2012
21. ASX December 18th 2012 Sorpresa Project Produces More Encouraging Results
22. ASX November 22nd 2012 Presentation for 2012 AGM
23. ASX November 5th 2012 Best Silver Grades to Date Seen at Sorpresa Project Area
24. ASX October 10th 2012 Highest Gold and Silver Grades seen to date at Sorpresa Project
25. ASX September 17th 2012 First Gold Sections Created at Sorpresa Project – New Assay Results

26. ASX August 31st 2012 New Gold in Soil Zones Located 4km South of Sorpresa
27. ASX July 31st 2012 Quarterly Exploration Activities June 2012
28. ASX July 26th 2012 Successful Intersections at Sorpresa Gold Project
29. ASX June 13th 2012 High Grade Gold Intersection Sorpresa Project – Fifield NSW
30. ASX May 28th 2012 Sorpresa Gold Project has Increased Potential at Depth

    A video link is provided to a **3D model of the IP Anomaly at Sorpresa (click here).**
31. ASX April 30th 2012 Quarterly Exploration Activities March 2012
32. ASX January 31st 2012 (Quarterly Exploration Activities December 2011)
33. A video link is provided **January 2012 Sorpresa Gold Project – Trench 31 Area Review Video**
34. ASX 28th November 2011 AGM Exploration Presentation – Including Key Summary Assay results of Sorpresa
35. Rimfire Website Summary Brief history of Sorpresa Mineralization discovery and style (to September 2011)
36. ASX 6th July 2011 Assays Confirm Significant Gold and Silver at Sorpresa Project