rimfire pacific mining nl

(ASX "RIM")

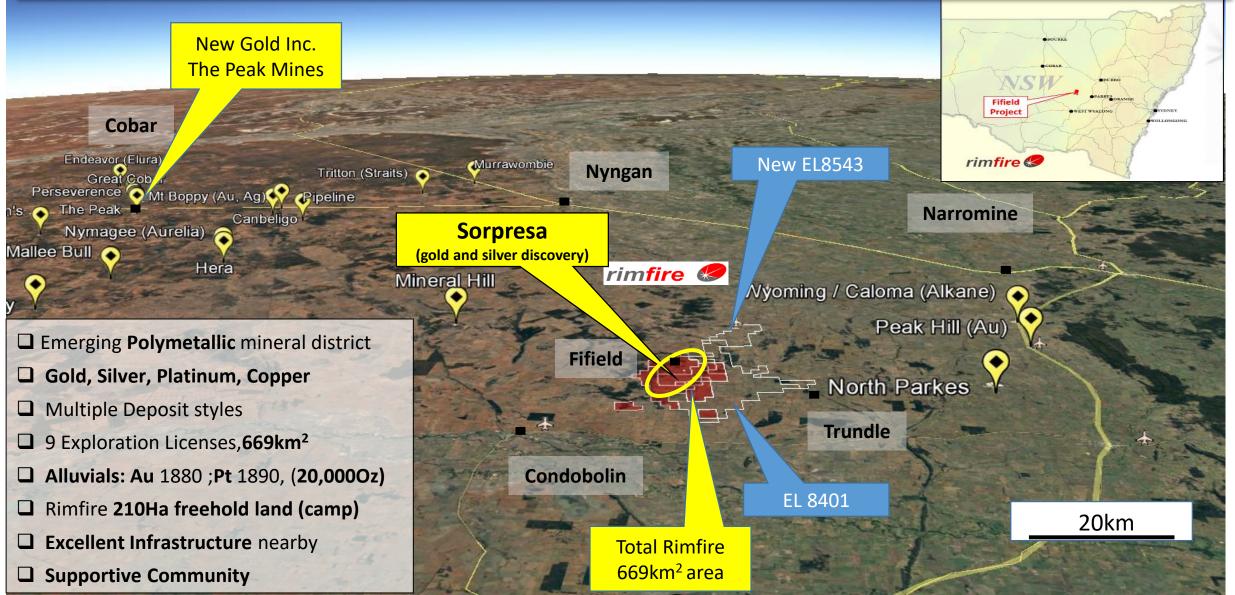
Sorpresa District Case Study Discovery at Fifield NSW



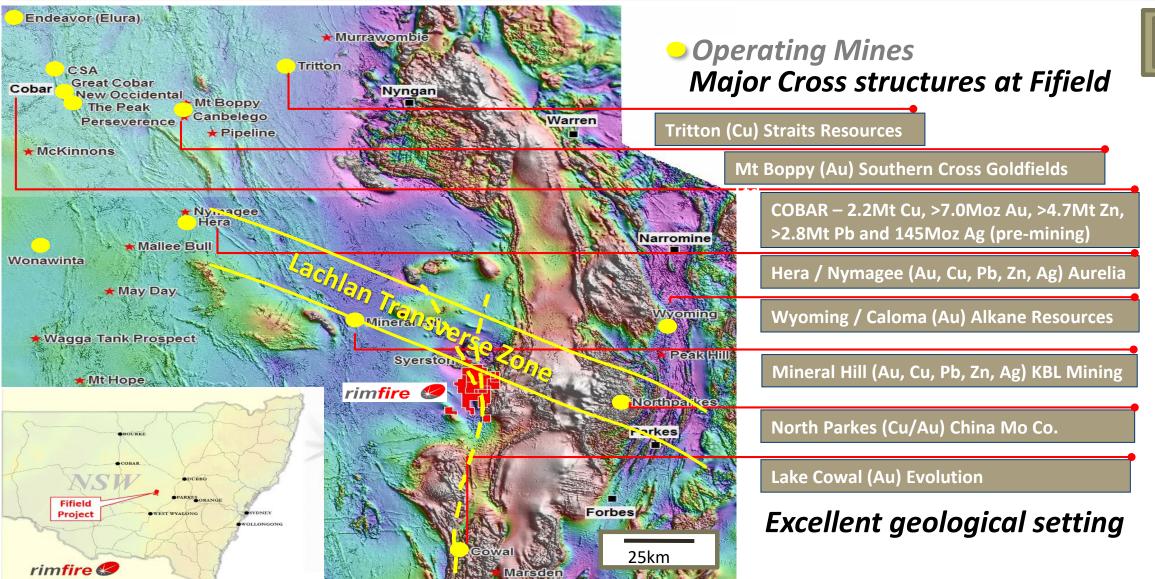


Project Focus - Fifield NSW



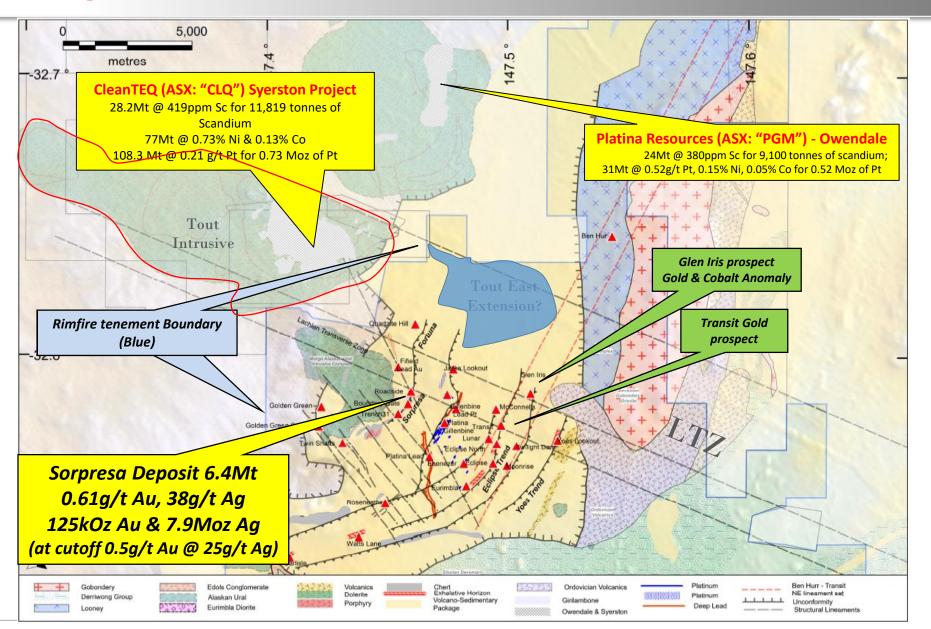


Project Focus - East Lachlan Fold Belt





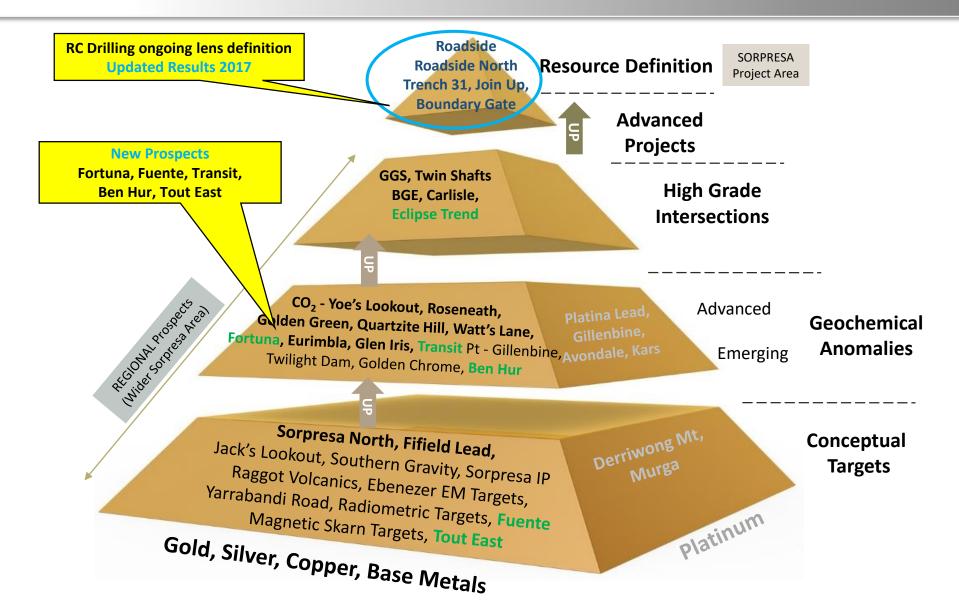
Project Focus - Local District Setting





Mineralised **Prospects**

Prospect Pipeline - March 2017 - Ranking

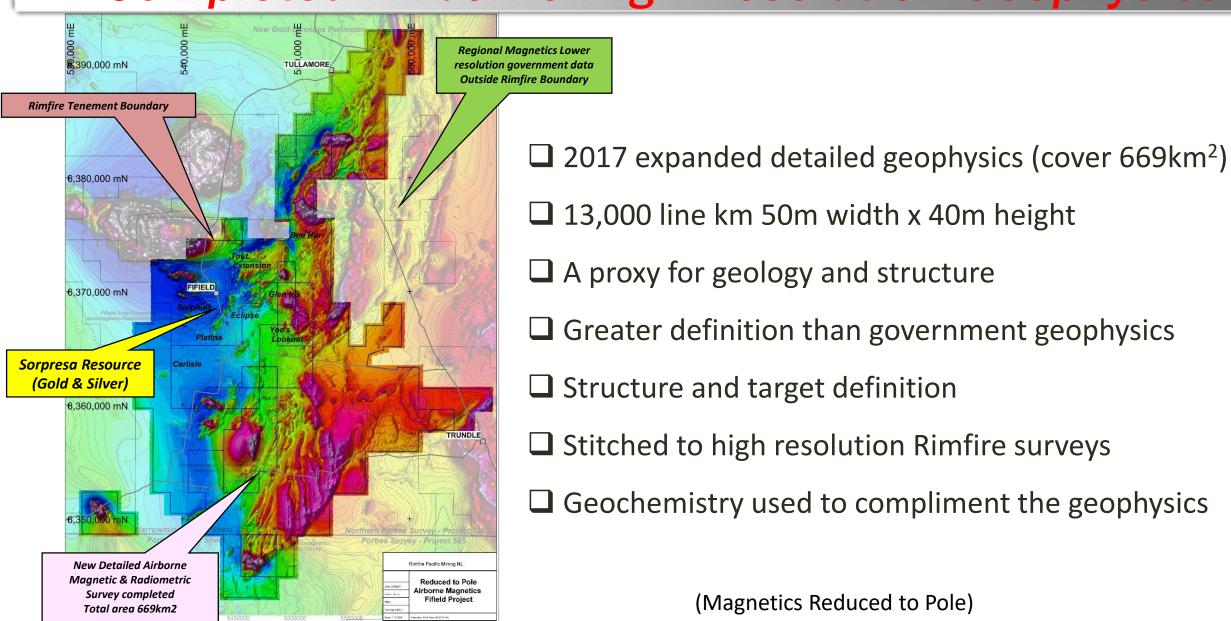




Mineralised Prospects Ranked

Notes: Recent survey flown at 40 metre height and 50m line spacings

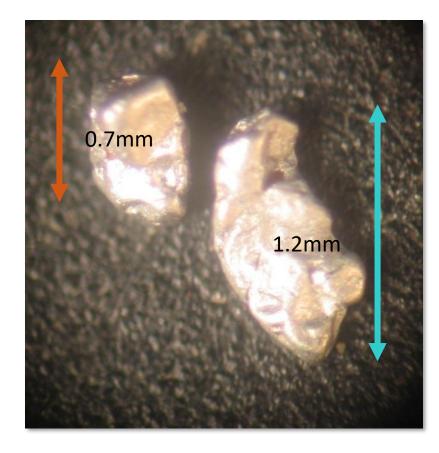
Completed Airborne High Resolution Geophysics





Fifield - Coarse Primary Platinum Grains

Main focus 2002~2010, ongoing



Bulk sampling needed





Bedrock Source

Repeatable

In situ

Re-entrant angle Pt grains

Pt Crystals

Beneath Sub Soil Clay Contours

In Clay Weathered Bedrock Breccia & Shears

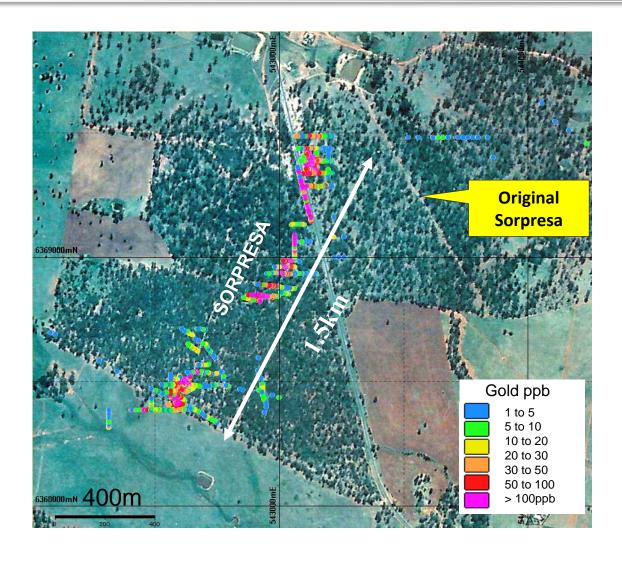
Discrete zones



Knowledge Advances at Fifield through 2005~08

Issue of Difference in modern era of Exploration	Prior to Rimfire	Rimfire Advance		
Drainage direction interpretation around Fifield	North to South	South to North		
Rift Valley Setting	Not seen	Recognised		
Coarse Pt recognised & recovered from Bedrock	No	Yes		
Sampling size and system for Pt	Too small	Custom plant & larger samples		
Focus on Magnetic Features mainly	Excessive	Integrated Field Based		
A Geological Control Discovered on Pt	No	Yes		
Geological Model for Pt in "Shear Zones"	No	Yes		
Importance of "distinct Pt and Au zoning"	No	Yes		
Disseminated Gold in rock	No	Yes		
Large scale Gold and Base Metal Potential	Minor	Major		

Sorpresa Discovery 2007 -2013

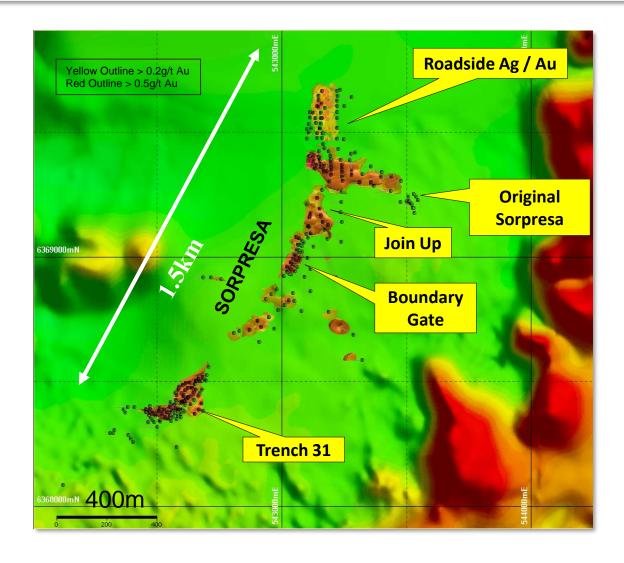


- Crown Land "Temporary Common"
- 2007 Gold in Rockchip 8.8g/t
- Soil and Auger drilling defined a curvilinear anomaly > 20ppb Au over a 1.5km strike.
- Trenching revealed near surface high grade Gold (9m @ 4.9g/t Au).
- RC Drilling defined high grade Au / Ag mineralisation within 5 structurally controlled pods along the gold anomaly
- Mineralisation breaks surface, high grades in places
- Zoned gold and silver
- Greenfields discovery confirmed missed by others





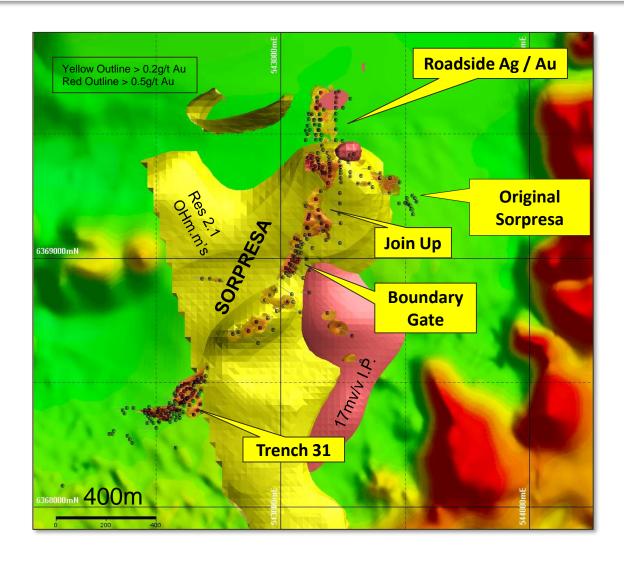
Sorpresa Discovery 2007 -2013



- Drilling defined high grade Au / Ag mineralisation within 5 structurally controlled shoots along the gold anomaly
- Magnetics limited insight



Sorpresa Discovery 2007 -2013

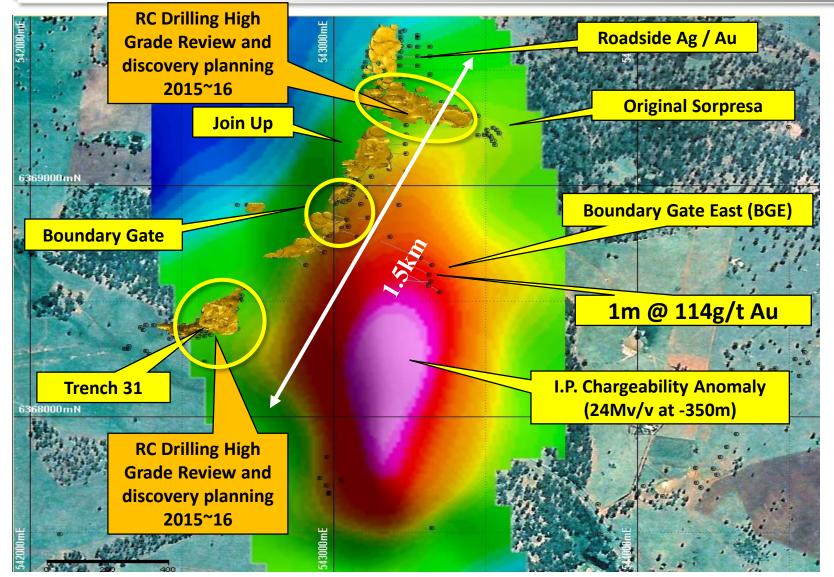


- Induced Polarization (I.P.) survey test line completed revealing chargeability and resistivity anomalies associated with the mineralisation.
- Gravity a tight correlation also
- 5 hole Diamond Drill Program intersects Bonanza Gold and significant widths to mineralisation.

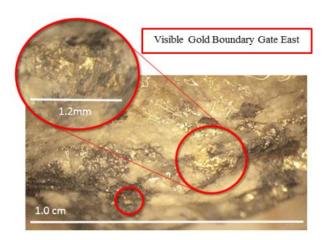




Sorpresa - Gold and Silver High Grade Lenses



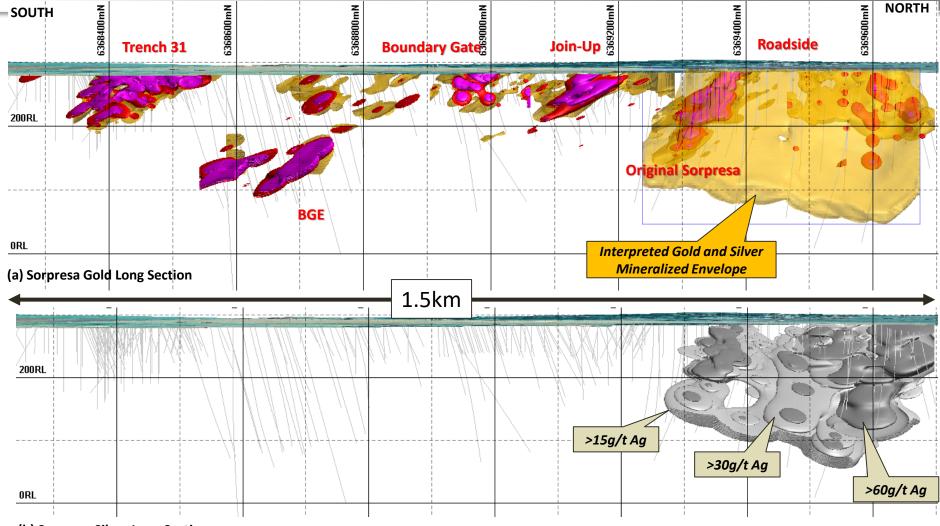
- Less than 10% of available geology tested (>18km²)
- Potential extensions and repeats under shallow cover
- Pursue High Grade lenses
- ☐ Examine economic case
- ☐ I.P. chargeability to resolve







Sorpresa Au/Ag Envelope

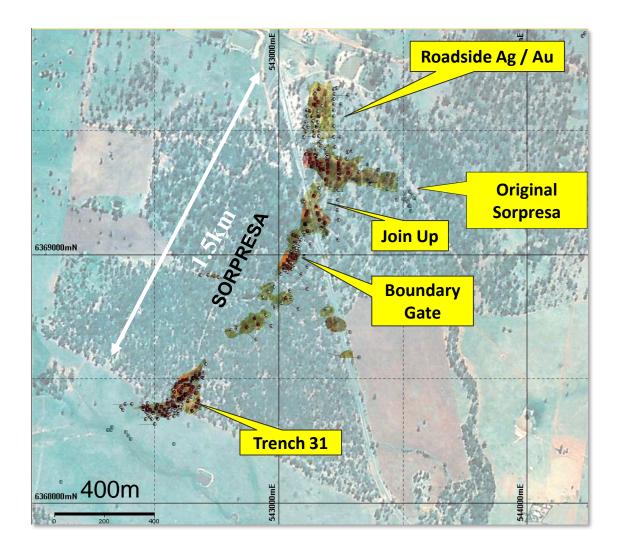


(b) Sorpresa Silver Long Section

Roadside and Roadside North Implicit Model Long Section looking west illustrating Gold and Silver mineralisation . (Implicit Model is an interpretive exploration model imaging Gold: yellow >0.2 g/t Au, red >0.5 g/t Au, purple >1g/t Au, and Silver: Light Grey>15 q/t Aq and >30g/t Au, Dark grey >60 q/t Aq. Some labels refer to previously released material please refer to Table 1: Dates and Hyperlinks for previously referred to results in this report



A closer look at the discovery



- Dec 2014 JORC Resource declared
- What is the district context?
- Sorpresa the first, but likely not the last or the best



Journey in the Discovery at Sorpresa (2007~2013)

- Prospect beyond Platinum focus
- Undertook Geochemical Prospecting in the district
 - Noted up to 0.1g/t Au disseminated in sediments 3km west
- Old prospecting shaft 400m east of main Sorpresa
 - Sample of breccia assayed 8.8g/t Au, soft, no quartz
 - Flat topography, with veneer of soil cover
- Anything could exist below the soil and be undiscovered
- Auger line on 2m intervals, revealed gold anomaly
 - 12m > 0.3g/t Au
 - Confirmed the immediate extent, including Pb, Zn, Ag





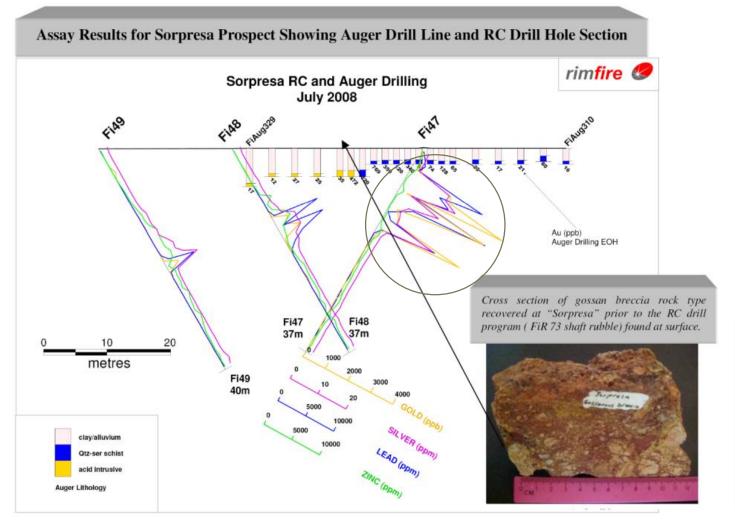
Journey in the Discovery at Sorpresa (2007~2013)

- Wildcat RC holes at "Historic Shaft area"
 - Small intersection, Au & base metal (Pb, Ag, As, Sb)
- Weak magnetic low, and petrology assessment
 - Real or not real, it provided the "reason" for the footprint of the soil program
- Regolith assessment and enlarged soil program
 - Mild gold anomaly contoured, the best being 25~50ppb Au
 - Was it indicative of ore? Or just more of an elevated background seen elsewhere
 - Curvelinear geochemistry shape reflecting structure and geology?
- Soil results tested with tight auger drilling into bedrock
 - 45m zone, 5m spaced holes, > 0.1g/t Au (2m depth)
 - Best consecutive hole results across 10m, 1g/t, 2.6g/t, 0.4g/t Au





Original Sorpresa Prospect - (2008)



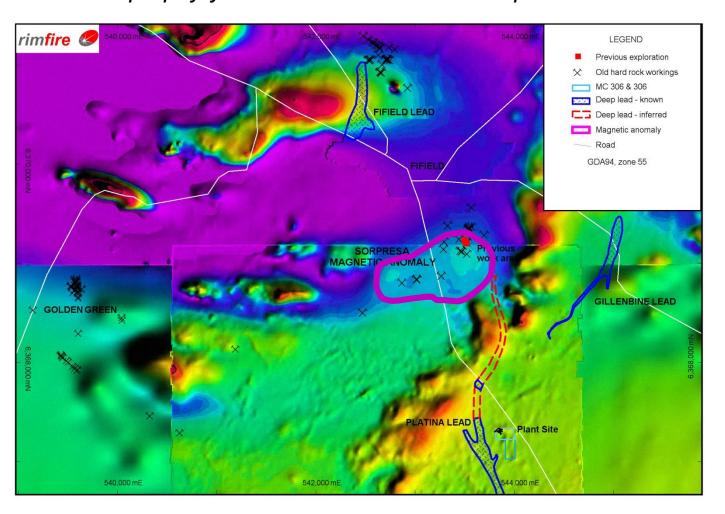


- □ RC Drill program intersection of 6m @ 2.5g/t Au
- Pathfinders Pb, Ag, Zn
- Dip not determined



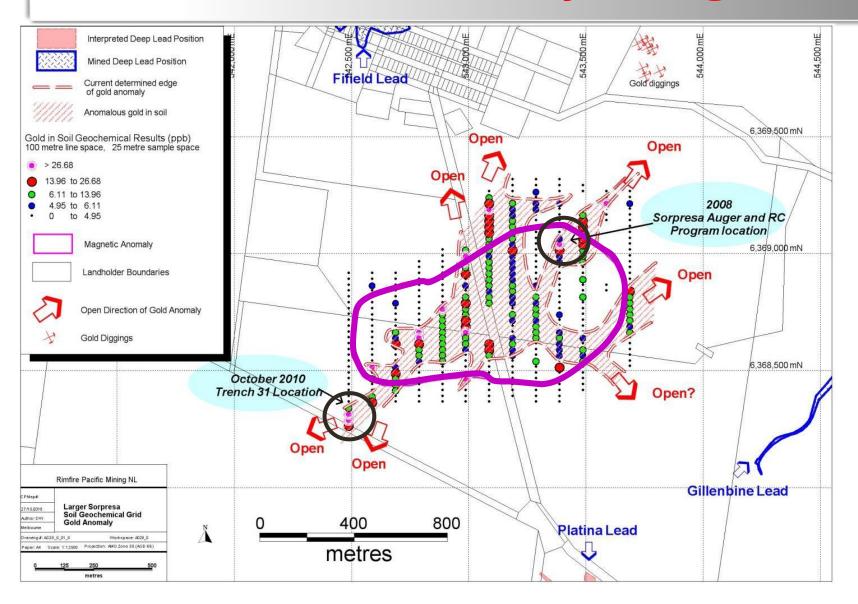
Possible Larger target - Fragile (2009)

Intrusive porphyry associated with a metamorphic aureole?



- Magnetics & rock petrology indicate a possible larger Sorpresa target
- \square 1.1km x 0.5km anomaly
- More Soil geochemistry required
- IP Survey?
- Auger Drilling?

Au Soil Geochemistry - Large and Real (2010)



- Elevated Au ppb
- How real is it?
- ☐ 1.5km x 0.4km "open" Au soil anomaly established
- Test bedrock with auger drill
- Positive auger results
- Geology Exposure and rationale needed - trench
- Repeat the formula

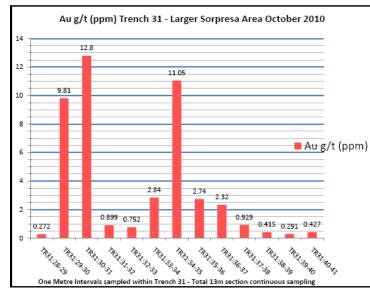


Sorpresa Trench 31 Assay Results (2010)

	ME-	Au-	Au-								
	ICP41	AA22	AA26								
SAMPLE	Ag	As	Bi	Cu	Мо	Pb	Sb	TI	Zn	Au	Au
DESCRIPTION	ppm										
TR31:28-29	0.4	145	<2	52	<1	69	3	<10	21	0.272	
TR31:29-30	0.9	192	<2	74	1	96	4	<10	27	>1.00	9.81
TR31:30-31	1.4	245	<2	121	1	98	8	<10	42	>1.00	12.8
TR31:31-32	0.4	155	<2	78	1	66	6	<10	36	0.899	
TR31:32-33	0.5	117	<2	58	1	59	4	<10	26	0.752	
TR31:33-34	2	119	<2	59	1	115	4	<10	29	>1.00	2.84
TR31:34-35	1.1	202	<2	100	1	133	5	<10	42	>1.00	11.05
TR31:35-36	1.3	275	<2	129	1	100	8	<10	33	>1.00	2.74
TR31:36-37	0.8	170	<2	60	1	121	6	<10	18	>1.00	2.32
TR31:37-38	0.2	160	<2	46	<1	183	8	<10	17	0.929	
TR31:38-39	0.2	300	<2	119	1	267	12	<10	43	0.415	
TR31:39-40	0.4	264	<2	106	1	221	9	<10	38	0.291	
TR31:40-41	0.2	119	<2	53	<1	135	5	<10	25	0.427	

- □ 2010 Soil Geochemistry Expanded look at >25ppb Au
- **□** 2010 Auger Bedrock (45m > 0.1g/t Au)
- □ 2010 Trench 31 (9m @ 4.9g/t Au)
- ☐ Provided best dip estimate 30deg East
- □ Video available

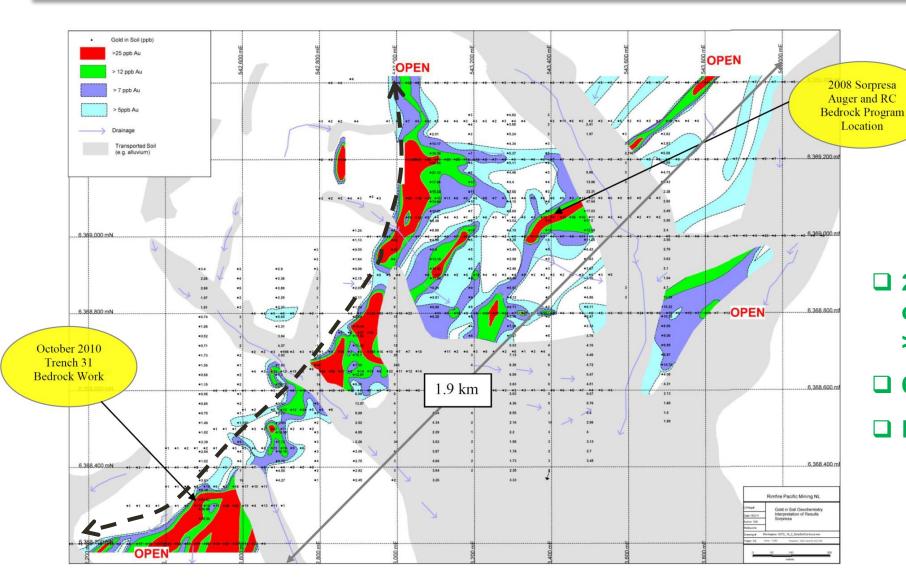








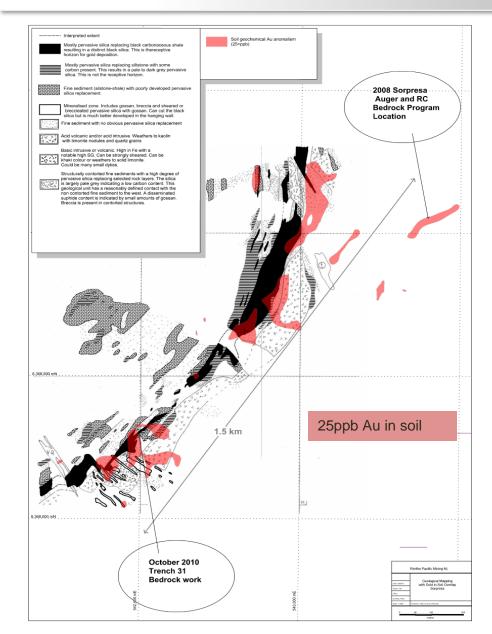
Expanded Soil Geochemistry –RC Drill tested



- **□** 2011 RC dill program placed on expanded geochem >20ppb soil and auger
- **□** 60deg angle holes
- □ Discovery confirmed



Geology meets Au soil geochemistry 2012

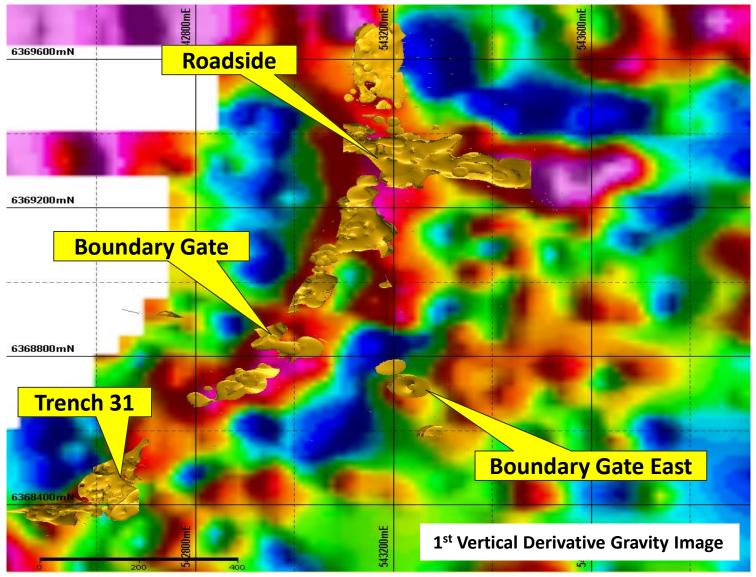


- ☐ Au Geochemistry in context
 - ☐ reliable residual soil areas
- □ QFP Rock a fluid cap?
- ☐ Au Geochemistry Geology IP Gravity
 - A neat correlation
 - ☐ Black Silica (carbon in silicified sediment)
- ☐ Pathfinders Pb, As, Sb, Ag also present





Sorpresa - Gravity - Regional Extensions



- **Excellent correlation of Mineralisation to Gravity**
- Increased gravity relates to silicification.
- Look for repeats under cover?





Journey in the Discovery at Sorpresa Cont...

- Big gold intersections in 2012 (Fi160, Fi212)
 - 2 of the best in Australia for greenfields
- Silver zonation in the northern extent
- Small global resource established



- 3.0Mt @ 1.06g/t Au and 22g/t Ag for 103kOz Gold and 2.1MOz Silver (at 0.5g/t Au cutoff)
- 3.4Mt @ 54g/t Ag and 0.20g/t Au for 5.8MOz of silver and 22kOz Gold (at a 25g/t Ag cutoff)
- Drilling has indicated 3~5 high grade lenses
 - Metallurgy looks ok, more to do



Sorpresa - Significant Intersections



Silver (Roadside)

- □ 12m @ 394g/t Ag
- 28m @ 119q/t Aq
- 26m @ 155q/t Aq
- 20m @ 230g/t Ag
- 10m @ 535g/t Ag (incl. 2m @ 2020g/t Ag)
- 26m @ 90g/t Ag
- 16m @ 175g/t Ag



- Two Australian Top 10 Greenfields Gold intersections (2012)
- Pathfinder Association (Ag, As, Sb, Pb, Zn) allows real time XRF recognition
- Oxide and Primary high grade mineralisation

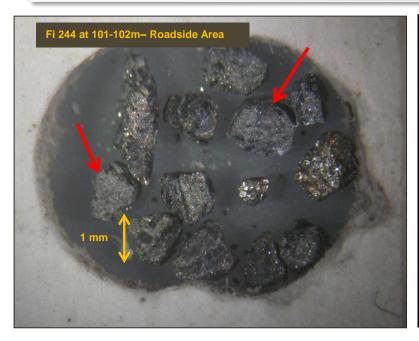


Sorpresa Fine Au Discovery Important Lessons

- Subtle Mineralisation Expression needed the extra steps
 - Only discovered due to eroded lenses at surface in geochemistry
- Tightened RC drill targets with Auger, no real exposure for dip
- Geology alone not the best vector where within the horizon?
 - □ Pathfinders (Pb, As, Sb) aid discovery, XRF in real time drilling
- Majority of the area under shallow alluvium more discovery
- Possible roles for geophysics (Gravity, IP, Magnetics)
- Observant but conventional style of exploration program
- Other gold areas noted at Fifield outside Sorpresa Area
 - Sorpresa may prove to be the easiest, but its will not the last nor the best



Mineral Observations from the Field







- Primary mineralisation
- Pb, Ag Sulphides
- Massive Veinlets
- Metallurgy positive implications

- Fine Free Au in Silica
- Multiple phases including some sulphide veins
- High grade Au no upper limit in theory

- Oxide zone
- Nodular Ag halides
- 943g/t Ag 20~22m



Diamond Core (2013) 5 Holes

Gold Receptive "black silica" horizon

Carbonaceous Sediments pervasively silicified, fractured, Au/Ag mineralised

Capping rock of Quartz Feldspar Porphyry, above the receptive horizon







Hole Fi 328 Mineralisation



Porphyry Sill and Receptive Horizon in Fi 329



"receptive horizon" in Fi 325

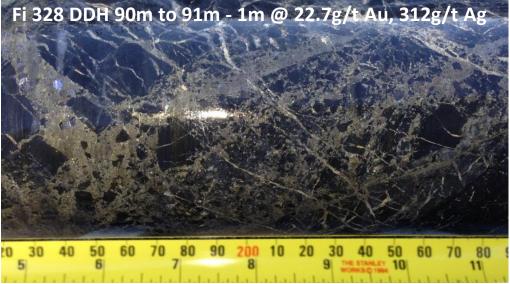
Hole Fi 329 to 502m





Sorpresa - What is it?



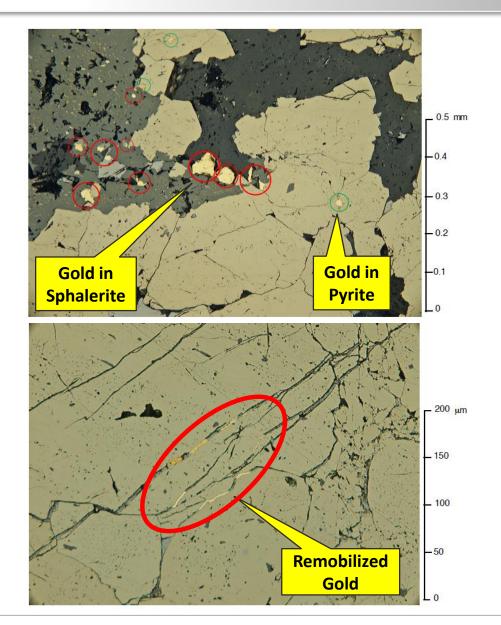


- Variably East dipping, gently folded, variably plunging mineralized plane;
- Comprised of carbonaceous shale and chalcedonic silica. Sheared and **brecciated** with free gold and gold in sulphides
- Sulphide mineralisation hosting gold and silver comprise:

Pyrite = arsenopyrite > sphalerite > galena >> tennantite - tetrahedrite > chalcopyrite and native gold.

- Mineralisation is best developed below a quartz felspar porphyritic sill complex, itself gently folded, and strongly altered.
- Healed Listric / thrust fault zone with important cross cutting faults

Sorpresa - What is it?



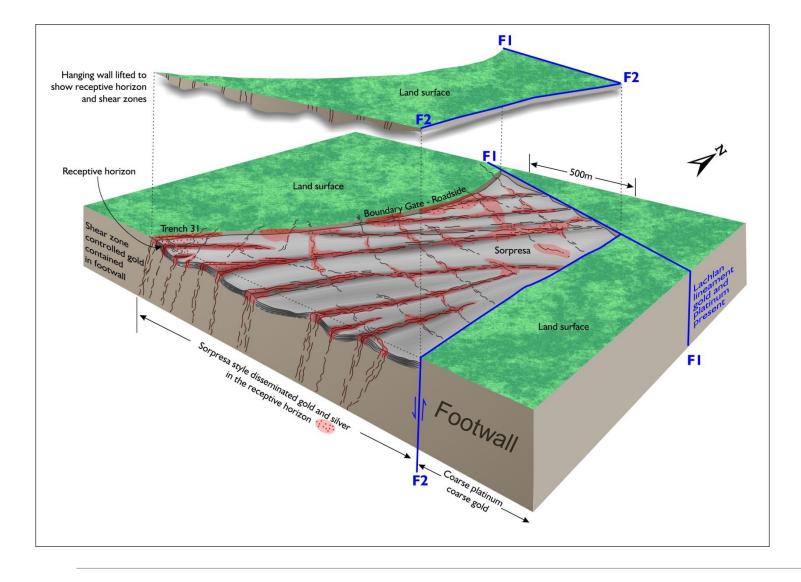
- Native Gold formed as ~2 50um grains, moderately high fineness (i.e. Au > Ag)
- Most **Gold** occurs as free grains. In silver dominant zones gold occurs as inclusions in sulphides, such as sphalerite and pyrite
- **Silver** occurs in Galena and Tennantite Tedrahedrite.
- Mineralisation has a low temperature of formation indicating an Epithermal Setting.

Carbonate Base Metal Epithermal Au/Ag

- Related to altered quartz porphyry of non defined age, but younger than Pt bearing intrusions
- Hosted in Ordovician carbonaceous sediments
- Age date(s) awaits determination for the mineralisation & porphyry



Black Silica Geology Association Model Development

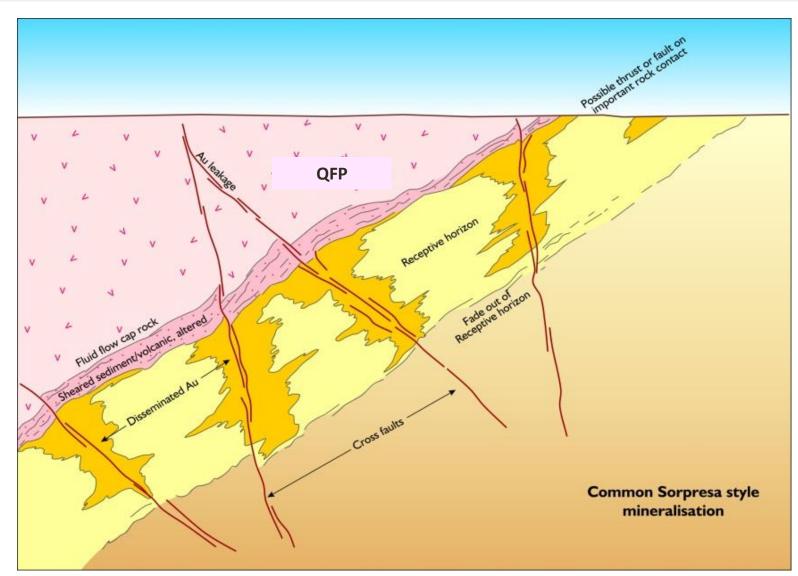


- Au receptive horizon
- **Black Silica**
 - 10~30m thick
- Shear zone control
- Intersecting shears important
- Lens-like 3D geometry



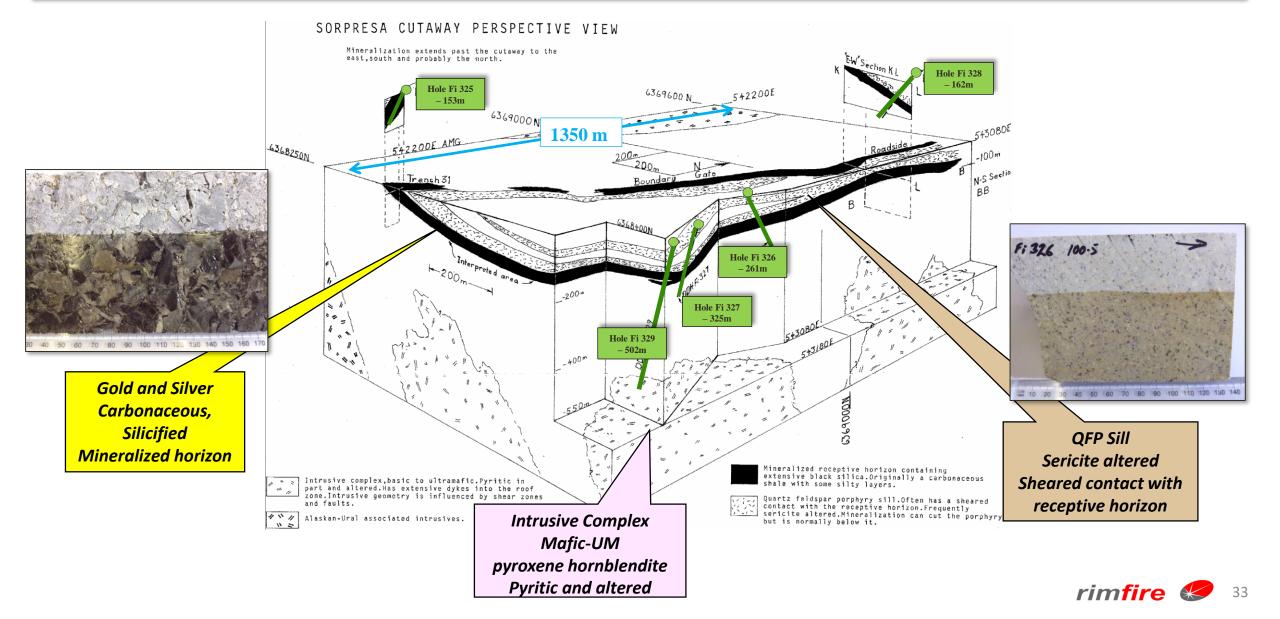
Model Cross Sections

- Trench 31 Example
- Au receptive horizon
 - □ 10¬30m thick
- Black Silica
- QFP Capping Rock
- Shear zone control
- Intersecting shears important
- Pod-like 3D geometry



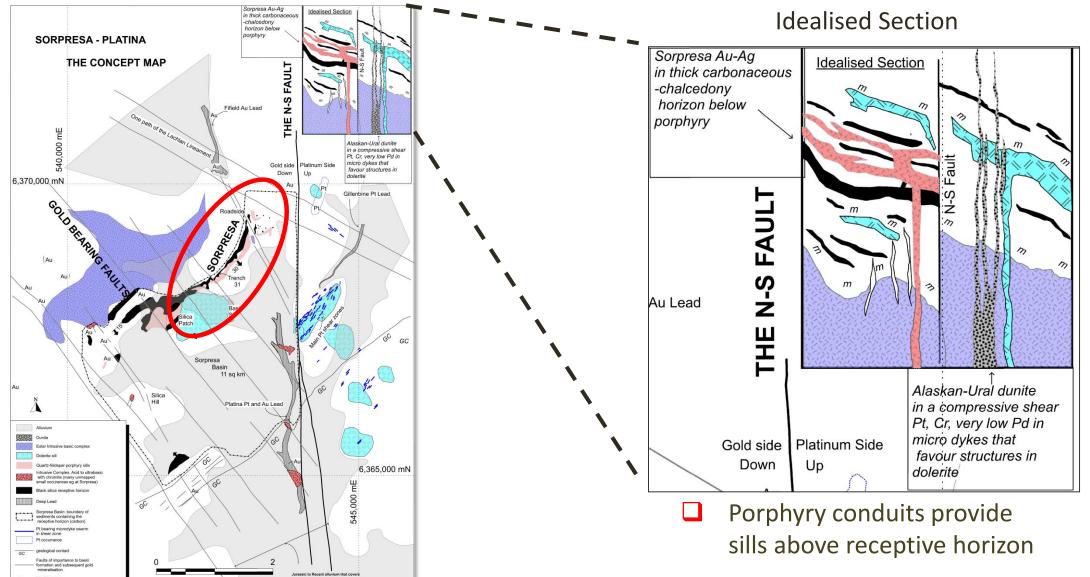


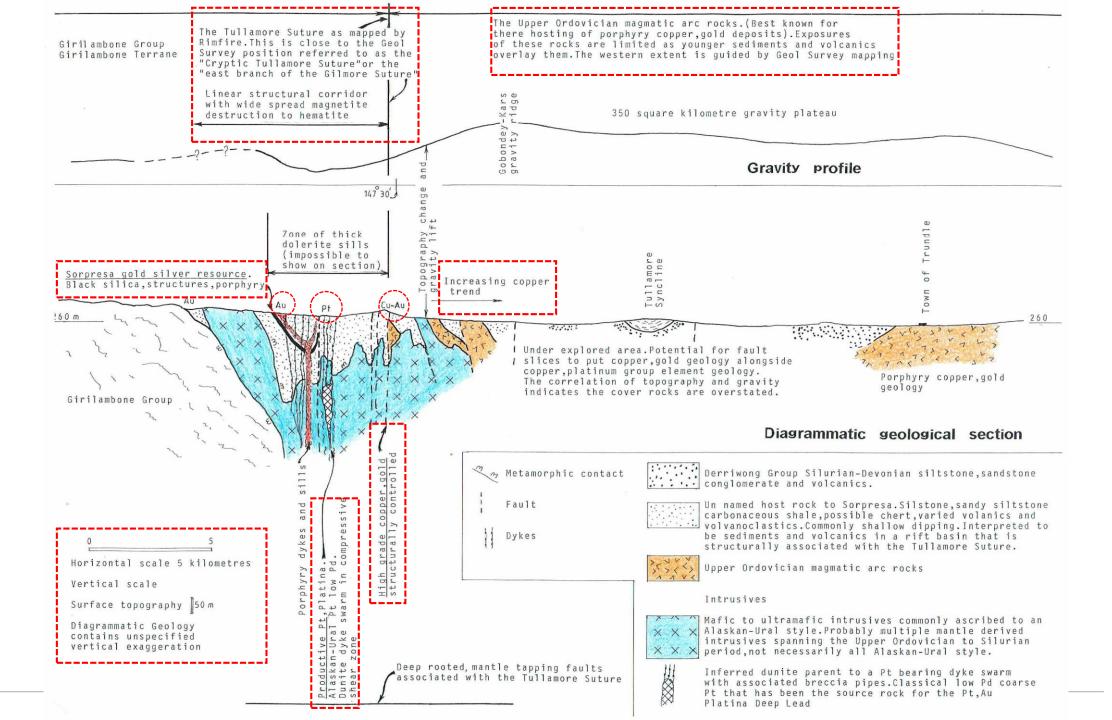
Diamond Drilling – Shape and Continuity





Sorpresa - Concept Map (2016)







Key Success Factors for our Exploration

- People Team World Class prospector backed by management
 - Curiosity, tenacity, strong motivation
 - Discovery champion and ownership (more than a project manager)
- Instinct to keep going when it is tough "There's more to this"
 - Delicate balance, not a science project. Choices.
 - Outside referees of high quality rigorous review deep thinking
- Low level techniques as a first pass, multiple data types
 - Mapping, regolith assessment, air photo reviews and archives
 - Soils, augers, trenching
 - Tune the areas with quick coverage, panning and microscope
- Adaptive and Innovative approach with inhouse capability
 - Continuity of knowledge development critical, sign posts easily lost
 - Inhouse rapid deployment through on site gear, use of XRF, diamond sludge





Key Success Factors for our Exploration

- Follow the data even if the model concepts do not fit
 - Be adaptive to the facts
 - Sorpresa is still an emerging understanding
- Courage to test! Diamond Program 2013
- Permanent Base in the district Freehold
 - Part of the community, providing opportunity, not visitors
 - Fully equipped (auger, RC drill, backhoe, loader etc.)
- Manage Costs Inground Spend/Head Office
 - Tune targets before expensive testing
 - Balance between coverage time and costs (overheads keep ticking)
- Strong field based work ethic and persistence
 - The harder you work in the field the luckier you get

Proven **Technology**

"Discoveries are best made in the field not the office"





Case Study Roadside - Real Time Adaptation

- Sorpresa Roadside area 300m north expansion in 5 days
- No laboratory assays, used XRF and Panning
- 0.5m subcrop exposure of gossan
 - IP near surface?
- Soil grid XRF Pb, As
- Auger traverse on best Pb
- □ RC Drilling 6/6 intersections
 - confirmed with XRF, panning, binocular
- Large rig completed down dip drilling





Relationship with Department - better outcomes

- Compliance Audit purely another layer of redtape?
 - Useful engagement process
 - Passed with flying colours (and made requests for some changes)
- Rimfire Built credibility and systems in core areas
 - Licence Compliance
 - **Environmental**
 - Safety
 - Community
- Demonstrate and discuss sensible flexibility needs
 - Adaptive exploration critical for cost effective and timely outcomes
 - Reduce unnecessary record keeping for both





Permits for Drilling getting tougher, but...

Pre 2010	2010 to 2013	2014 to 2016	2016	2017
General area only needed	Indicative holes in general area	Specific collars, 10m movement allowed, poor adaptability,	Audits, Licence Compliance, Enviro Permits, Community	Rimfire submission as part of Audit "more flexibility please"
Photo on Rehab only	Photo pre, post and monitoring	Photo for each specific drill site	Rimfire flagged "inflexibity" for sensible adaptation a problem	Risk Based approach adopted, example photos required only
	Site Inspection, moved to generic photo points for high impact	New permit if want to add holes or change holes, new photos	Changes agreed by Dept . Polygonal approval RC drilling, less specific	Rimfire maintains logs & conducts internal audit, risk based
Discussion and gre	eat practical outco	me based on muti	ual recognition >	Ambit permit now provided for auger and aircore for low impact areas



The approach to the New Gold partnership

- Aggregated 4 million ounce gold equivalent outcome goal
 - □ 10 year mine life, lower third of costs
- The New Gold and Rimfire combined exploration
 - approaches are complimentary
 - Big picture architecture
 - Nimble focused prospecting
 - Multiple concepts
- Maximise the discovery potential





Partnership benefits to Rimfire - No downside

- □ Excellent culture and people at New Gold Inc. genuine partnership, collaborative
- □ New Gold association creates greater awareness and branding for Fifield area and Rimfire
 - Knowledge in relevant styles of mineralisation
 - Discovery capability looking for "World Class Orebodies"
 - Development expertise
 - ☐ International network
 - NSW experience
- □ Equity investment \$0.5m plus \$2m minimum spend in first year
 - Benchmarks highly
- ☐ If less than \$7m spend in 3 years no interest earned
 - ☐ Rimfire retain 100% of project area
 - Can pursue the Sorpresa area



- Direction into the project area
- News flow participation
- □ Rimfire can spend additional \$3m on its own account as a credit to the project area





Program Focus 2017 - New Gold

- The detailed airborne magnetics & radiometric survey completed
 - Data interpretation is ongoing
 - Important contribution to geology framework and discovery targeting
- ☐ Major regional geochemistry (144km²) drilling with mapping
 - 250m holes space, 1km lines spaced (Aircore/Auger)
 - The objective to advance the understanding of the broader area
- Alteration chemistry review on existing and new sampling
 - Any insights on new vectors
- Geology assembly and data gap analysis iterative
- Priority targets for testing DDH and RC Drilling

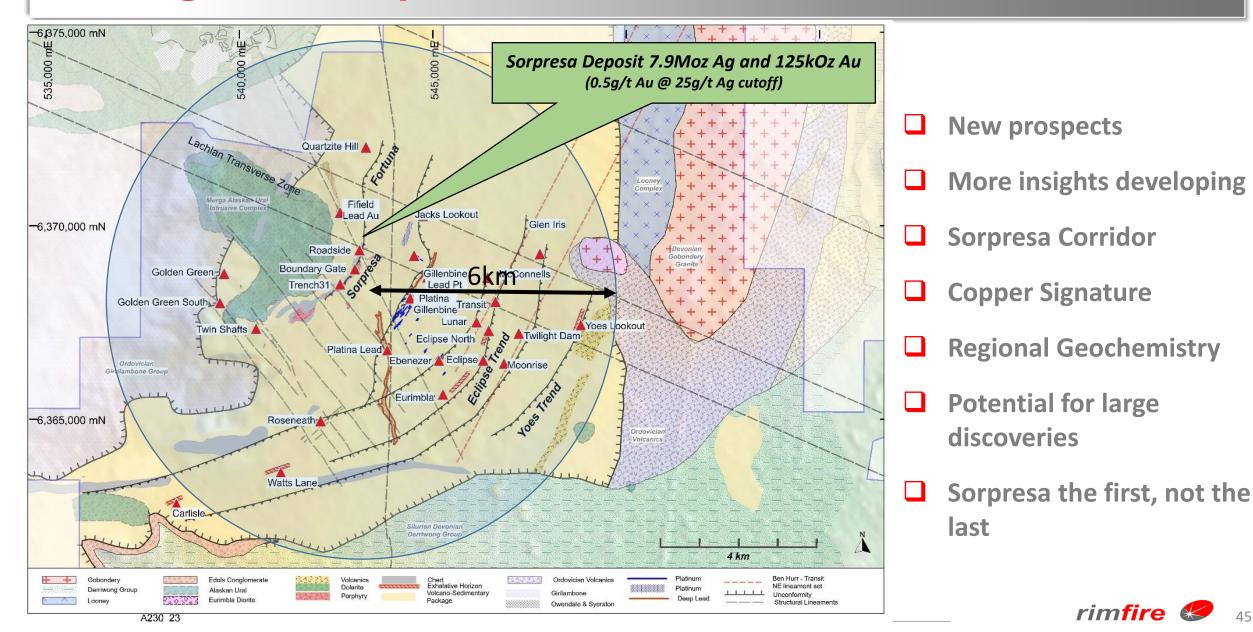
Rimfire Focus 2017

- More than 13 priority areas identified by Rimfire for prospecting assessment
 - Mapping, geomorphology, sampling and concept advancement
 - Possible extension of neighbouring mineralisation "Tout Intrusive CleanTEQ"
 - New concepts for gold emerging
- First 4 target areas due for testing (incl. Sorpresa Corridor)
 - Transit, Southern Gravity, Alteration target, Northern anomalies
- Drilling completed within the Sorpresa resource
 - □ The objective to advance the understanding of these areas orientation of higher grades
 - Remodel, assess
 - Metallurgy (gravity) completion



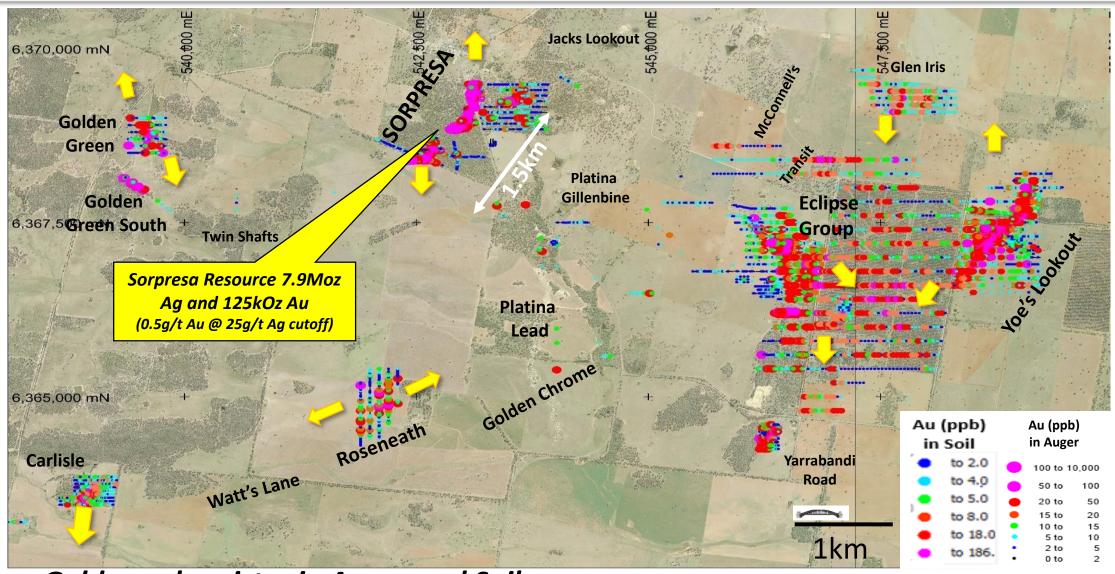


Regional Exploration – within 6km radius





Regional Exploration – Auger & Soils (2015)



Gold geochemistry in Auger and Soils

Regional Gold Footprint – Rock Chips Shown 50 POP F42.500 m Jacks Lookout 6,370,000 mN Up to 5.7g/t Au Glen Iris Up to 8.21g/t Au **Up to 1.63g/t Au** Up to 8.84g/t Au Golden Up to 6.19g/t Au Green Platina Gillenbine Golden Twiliaht D Up to 6,367,5Green South Group **Twin Shafts** 3.4g/t Au Up to 1.27g/t Au Up to **Platina** 1.09g/t Au Up to Lead 4.97 a/t Au Up to Golden Chrome Up to 23.0g/t Au. Up to 18.7g/t Au 3.7g/t Au 13.75g/t Au. 13.7g/t Au. Roseneath Au (ppb) Au (ppb) 12.55g/t Au. in Auger in Soil Up to Yarrabandi Watt's Lane 1.3g/t Au Road 100 Carlisle ... 20 Up to Up to Up to

1.2g/t Au

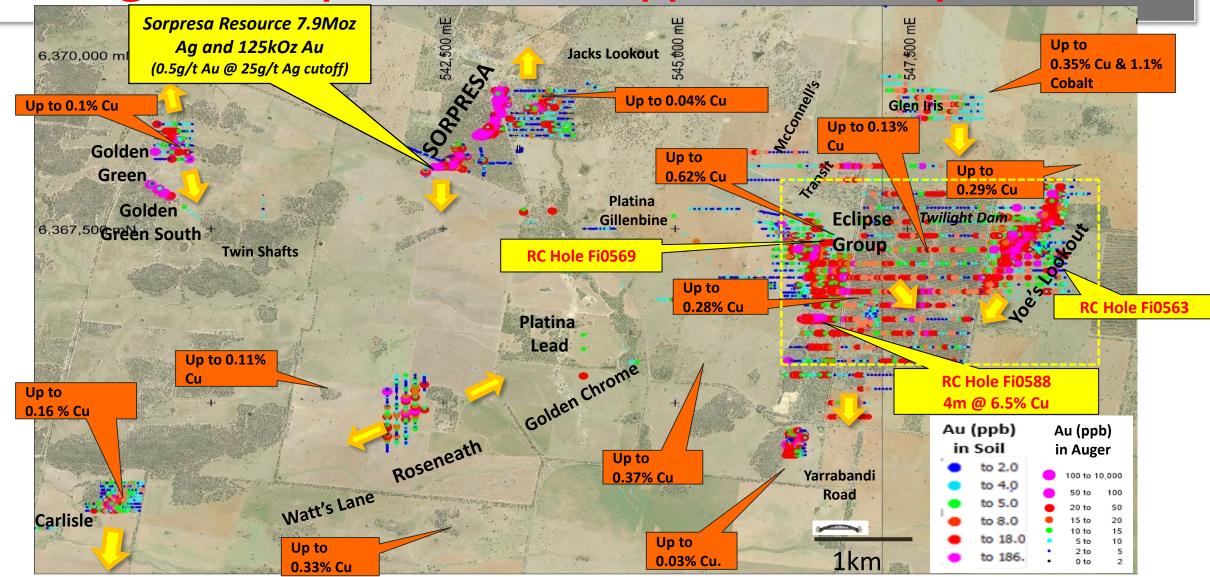
3.37 g/t Au

1km

1.43g/t Au.



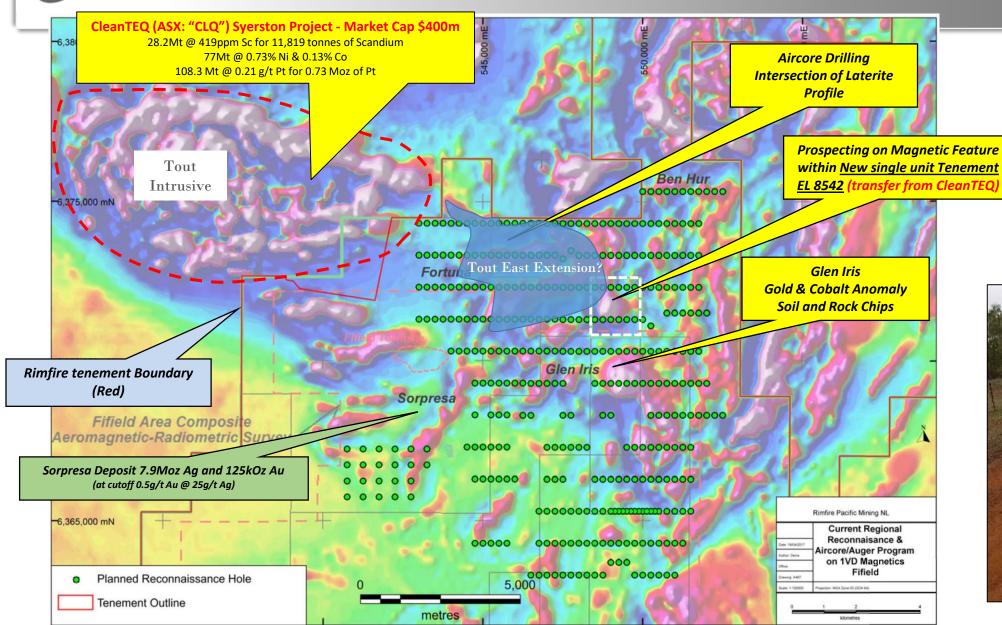
Regional Exploration – Copper Rockchips on Gold



A gold and copper district has emerged!

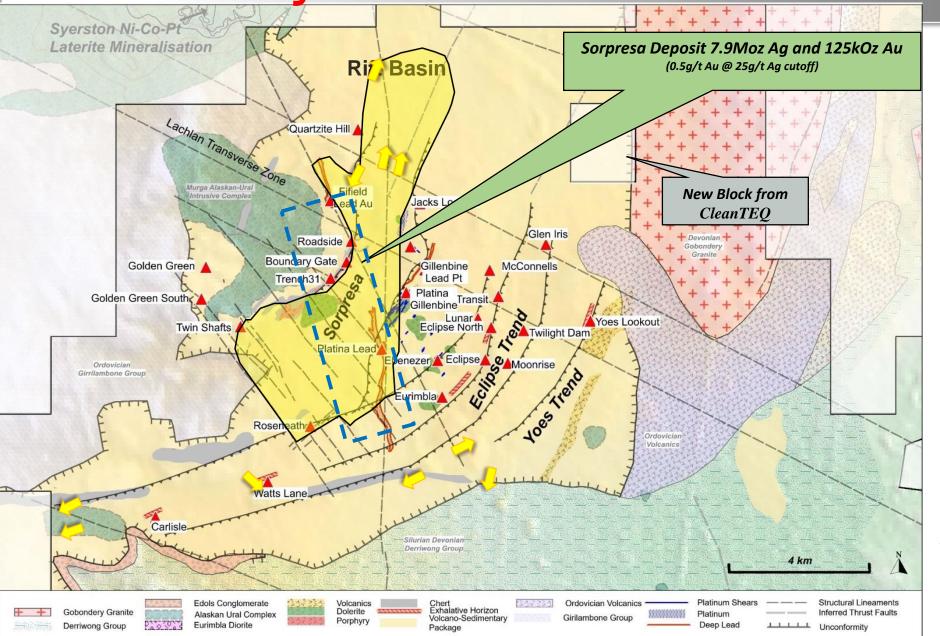


Expand Regional Geochemistry – Aircore/Auger





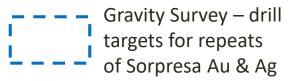
Discovery Growth - 2016~17





Sorpresa style geology with Au potential

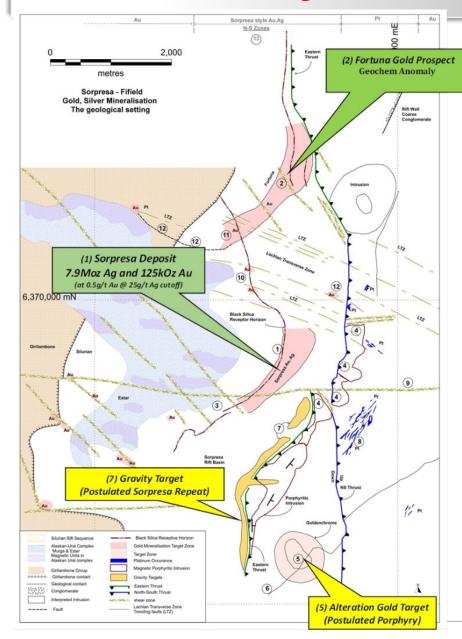
Expanded from 11km² to 18km²



Discovery Growth



Discovery Growth - Sorpresa Corridor



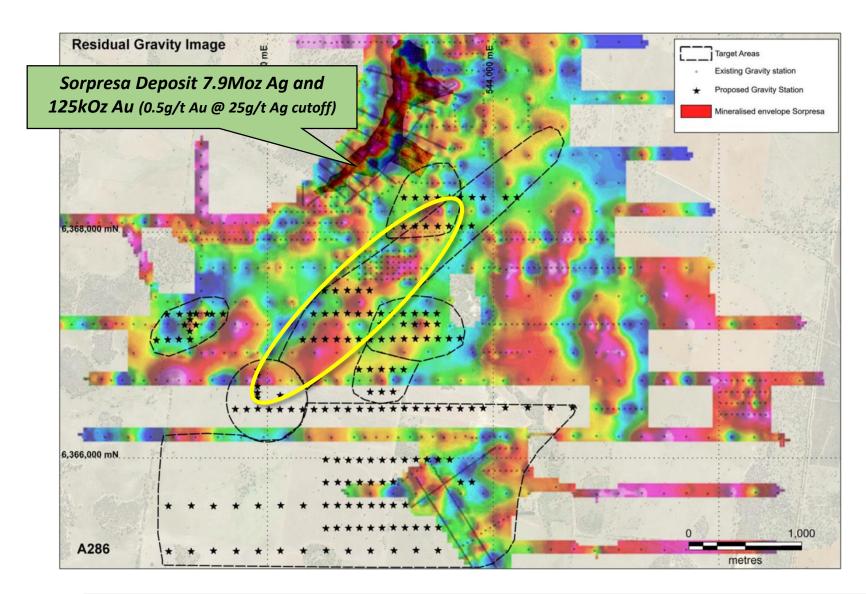
- Sorpresa "is proof of Concept" for Au potential
- □ Corridor 7km x 2km, North South Orientation
 - □13 prospective target areas
- ☐ Fortuna Prospect (2) stronger order geochem
- ☐ Gravity Repeat (7), Sorpresa style under cover?
- ■Intense Alteration zone Gold Porphyry target (5)
 - Multiple porphyry parents likely in district
- Fertile corridor more to yield

Discovery Growth





Sorpresa - Gravity Survey Extension & Infill

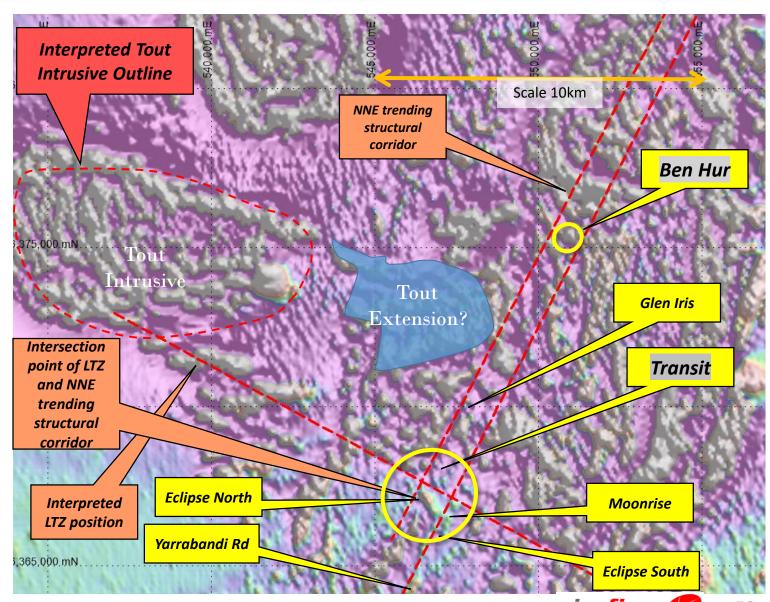


- Excellent correlation of Mineralisation to Gravity
- Increased gravity relates to silicification
- ☐ Major 2km long, Subparallel target on a magnetic contact position
- Oblique RC drilling traverses proposed across Sorpresa basin (up to 250m depths)



Interpreted structures to major prospects on 1VD magnetic image

- ☐ Interpreted NNE trending 15km structural corridor
- Many prospects associated with the Eclipse Trend occur directly on these interpreted structures
- The major mineralised zone occurs where the LTZ regional structure crosses the NNE trending structural corridor
- Eclipse North could represent a possible dilational jog
- → Possible Tout Intrusive extension (red outline)





Sorpresa the first but not the last

- Sorpresa was found as a subtle geochemistry expression
 - Less than 10% of 18km² known geology drill tested
- Missed for 130 years, walked over by the platinum miners
- The Fifield context looks compelling for more discoveries
 - Multiple deposit styles and metals
 - Complex interwoven geology
 - Deep structures, cross cutting faults
- A strong partnership with New Gold
 - To help deliver the area potential





Please stay tuned for updates at Fifield







Thank you

ASX Code "RIM" www.rimfire.com.au rimfire@rimfire.com.au Ph+613 9620 5866

Disclaimer

- □ **Disclaimer:** This presentation contains "forward looking statements" as defined or implied in common law and within the meaning of the Corporations Law. Such forward looking statements may include, without limitation, (1) estimates of future capital expenditure; (2) estimates of future cash costs; (3) statements regarding future exploration results and goals. Where the Company or any of its officers or Directors or representatives expresses an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and the Company or its officers or Directors or representatives as the case may be, believe to have a reasonable basis for implying such an expectation or belief. However, forward looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward looking statements. Such risks include, but are not limited to, commodity price fluctuation, currency fluctuation, political and operational risks, governmental regulations and judicial outcomes, financial markets and availability of key personnel. The Company does not undertake any obligation to publicly release revisions to any "forward looking statement", or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.
- □ Competent Person Statement: The information in this presentation that relates to Exploration Results is based on information compiled by Colin Plumridge who is deemed to be a Competent Person and Member of The Australasian Institute of Mining and Metallurgy. Mr Plumridge has over 45 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.
- □ JORC 2012 Compliance: All information provided in this presentation has been formally released to the ASX in compliance with JORC requirements. The most recent document released to the ASX provides details and hyperlinks relevant to all information provided in this presentation and can be accessed 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(s).



Appendix – Additional Information

- ☐ Independent Industry Benchmark studies on Junior Resource Sector available at Rimfire website
 - □ 14th Nov 2014 Exploration Industry Presentation AGM Nov 2014 Mr Richard Schodde
 - **□ 27th Nov 2015 Presentation Exploration Trends Richard Schodde AGM 2015**
- ☐ Slides on Sorpresa Resource and Preliminary Metallurgy
- Project Summaries at Fifield
- ☐ Videos (below) on Historic Trench 31 discovery and Sorpresa 3D model (as at May 2014)

Trench 31 Discovery 2010 Video

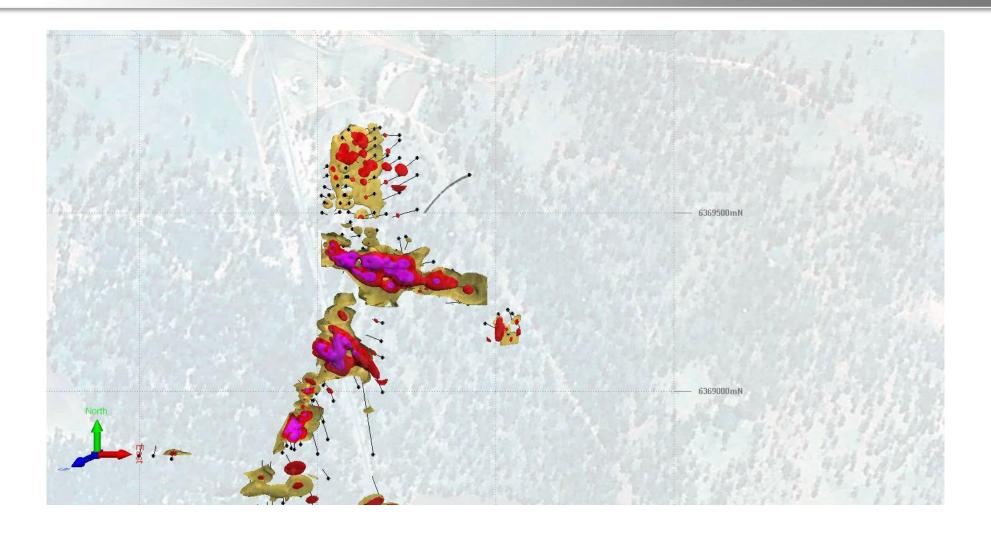


Sorpresa 3D Model 2014 Gold Video





3D Exploration Model (Gold Only Shown)



Sorpresa Implicit Model illustrating higher grade Gold mineralisation (Implicit Model is an interpretive exploration model imaging (a) Gold: yellow >0.2g/t Au, red >0.5g/t Au, purple >2g/t Au) – 500m grid lines





Appendix-Sorpresa Maiden Resource

- ☐ Maiden Inferred and Indicated Mineral Resource for the Sorpresa Deposit comprises;
 - □ 6.4Mt for 125kOz of gold and 7.9Moz of silver (at 0.5g/t Au & 25g/t Ag cutoff)
- ☐ The Gold dominant portion of the Sorpresa system represents;
 - □ 3.0Mt @ 1.06g/t Au and 22g/t Ag for 103kOz Gold and 2.1MOz Silver (at 0.5g/t Au cutoff)
- ☐ The Silver dominant portion of the Sorpresa system represents;
 - □ 3.4Mt @ 54g/t Ag and 0.20g/t Au for 5.8MOz of silver and 22kOz Gold (at a 25g/t Ag cutoff)
- □ Mineralization is continuous at higher cutoffs, at a 1.0g/t Au & 60g/t Ag cut off of;
 - ☐ 1.9Mt @ 1.11g/t Au and 68g/t Ag for 68kOz Gold and 4.2Moz Silver
- □ 70% of gold ounces and 62% of the Silver ounces are within 100m from surface, with an initial metallurgy study (Dec 2013) suggesting up to 93% Au and 74% Ag recoveries
- An internal Sorpresa conceptual study will be undertaken, focusing on the oxide zone and higher grade lenses to assist the Company in determining the forward strategy
- □ Exploration of already defined Sorpresa extensional and satellites targets beyond the current resource boundaries, including to the east, south and west





Appendix-Sorpresa Maiden Resource

Table 1: Sorpresa Mineral Resource estimate reported under JORC 2012

Resource Cut off	Catagory	Mt	Grade		Contained Metal		
	Cut on	f Category	IVIL	(g/t) Au	(g/t) Ag	Koz Au	Moz Ag
		Indicated	2.0	1.14	27	73	1.7
Gold 0.5 g/t Au	0.5 g/t Au	Inferred	1.0	0.9	12	29	0.4
		Total	3.0	1.06	22	103	2.1
		Indicated	2.1	0.21	62	14	4.2
Silver	25 g/t Ag	Inferred	1.2	0.19	40	7	1.6
		Total	3.4	0.20	54	22	5.8
	0.5 // 0.0	Indicated	4.1	0.67	45	88	5.9
	0.5 g/t Au & 25 g/t Ag	Inferred	2.2	0.51	27	37	2.0
		Total	6.4	0.61	38	125	7.9

Notes:

- •Sorpresa Mineral Resource reported to JORC 2012 standards, at 0.50 g/t Au and 25g/t Ag cut-off
- •The figures in this table are rounded to reflect the precision of the estimates and include rounding errors.



Appendix Sorpresa – Oxide Metallurgy - 2013

- 3 composite Oxide Zone Samples across Sorpresa
 - 3 locations, 130m of mineralization, 30 drill holes
 - Standard 24 hr CIL test at 75 micron
- Additional Test on Met1 Silver Roadside*
 - 48 hour CIL, finer grind, improved recoveries
 - Improved recoveries to 89.1% for gold and 72.3% for silver
- No problems with clays or carbon/graphite



Sorpresa is "native gold"



Sample ID and Location	Number of 2m interval samples used for composite sample	Head Assays, g/t		Recovery % (Standard CIL)	
		Au	Ag	Au	Ag
Met1 – Roadside *	24	1.22	73	84.3	68.9
Met2 – Trench 31	21	2.82	7.3	96.8	72.6
Met3 – Trench 31 SW	20	2.54	7.9	94.5	78.5

Appendix – Project Summaries

Project Name or Type	Metals	Current or target	Comments
Sorpresa	Au, Ag	250,000 oz Au eq	Resource & can grow
Platina-Gillenbine ¹	Pt	0.8 ~ 1.0M oz target	Bulk sampling proof of concept
Regional Portfolio ² > 30	Au, Cu	Multi Million Ounce	Target Discovery Potential
Platina Paleo Channel ³	Pt	20~50,000 oz target	Low Capex, Proof of concept

Note 1, 2 and 3: These are exploration targets only under the JORC 2012 Code and do not constitute a resource as insufficient work has been done to date.