

rimfire pacific mining nl

(ASX "RIM")

Mineral Discovery at Fifield NSW

John Kaminsky CEO & Managing Director
31st January and 1st February 2018 Proactive Investors Forums

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- □ 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).



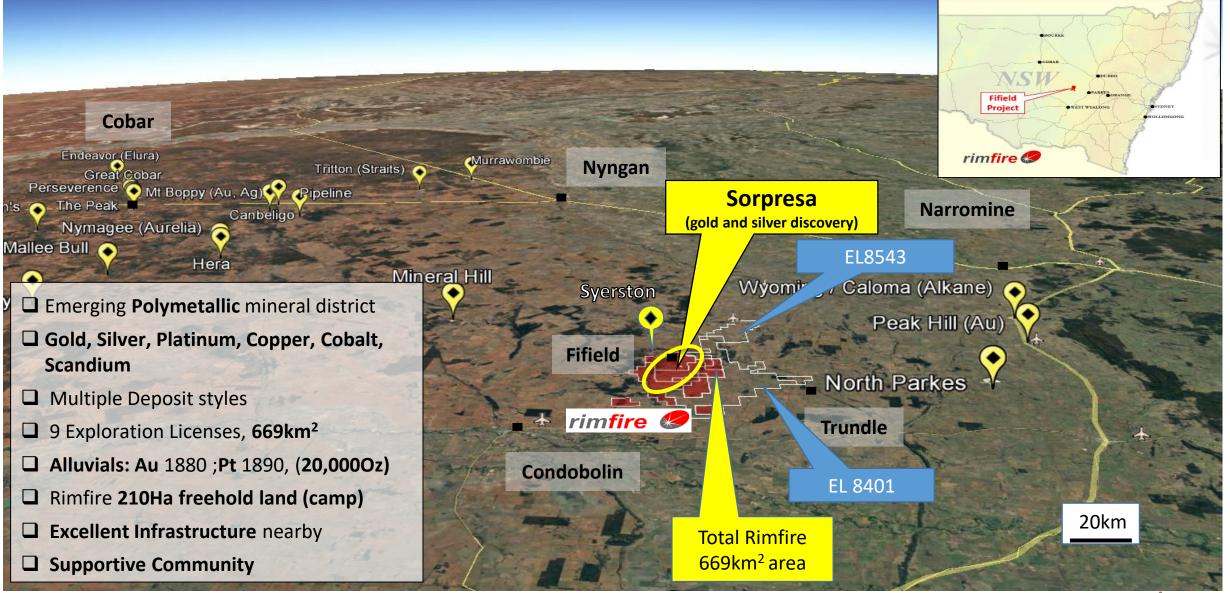
Fifield Central NSW

LOCATION AND CORPORATE



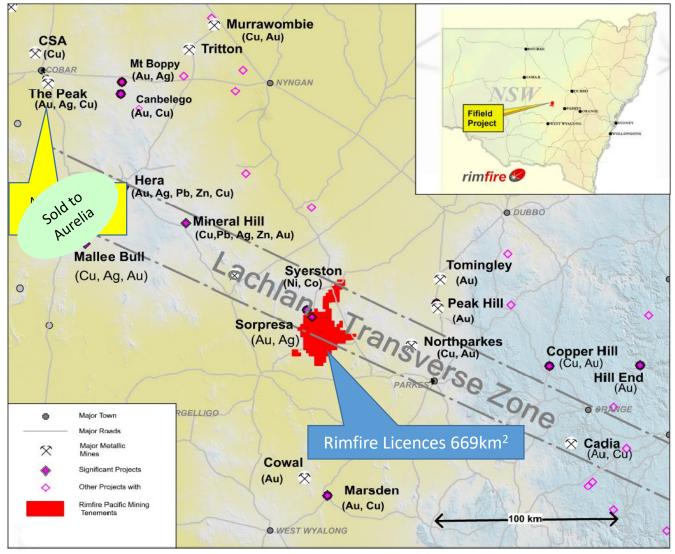
Project Focus - Fifield NSW - Polymetallic setting







Project Focus - Fifield NSW - LTZ

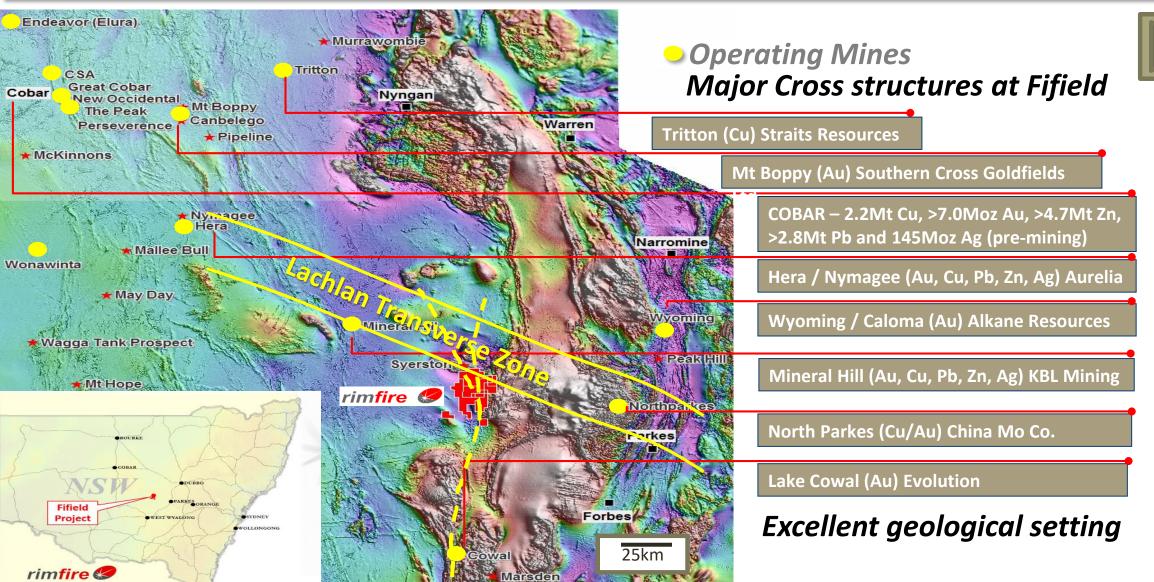


Deposit size selected NSW deposits (combined production and remaining resource)

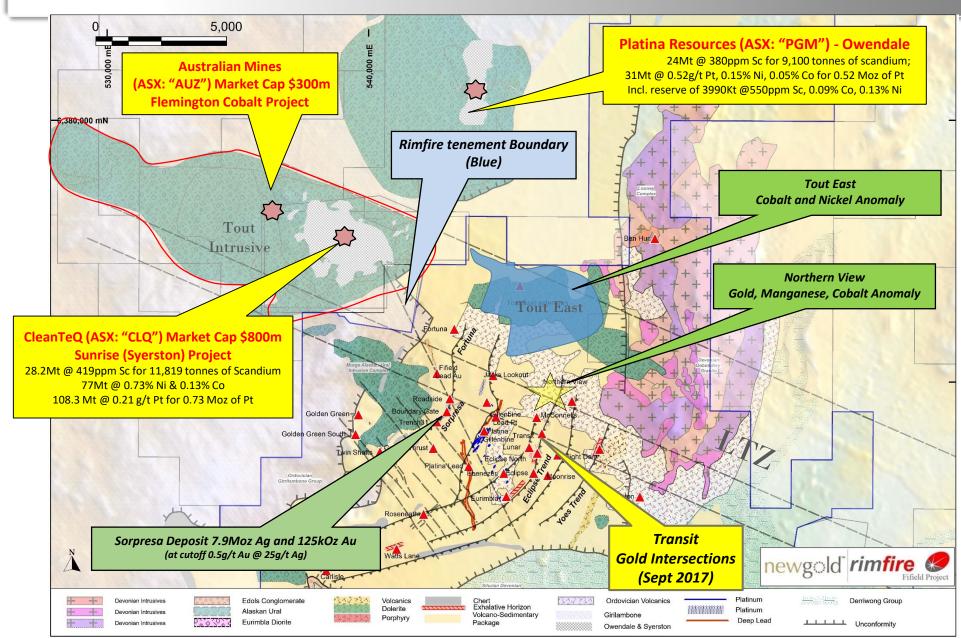
7	Deposit	Current Ownership	Au Moz	Cu Kt	Other
	Cadia Group	Newcrest	51.8	8446	
	McPhillamy's	Regis Resources	2.9	64	
	North Parkes	CMOC/Sumitomo	3.8	921	
	Cowal	Evolution Mining	3.8		
	Browns Creek	ANL	0.99	13	
1	Copper Hill	Golden Cross Res.	1.6	611	
1000	Mineral Hill	KBL Mining	0.59	66	
0	Mt Ворру	Black Oak Minerals	0.60		
	Peak Hill	Alkane Resources	0.55	8	
(4-6)	The Peak Gold Mine	New Gold Inc.	2.4	133	Sold to Aurelia Nov 2017
100	Tritton	Straits Resources	0.01	218	
N. A	Hill End	Hill End Gold Ltd	0.66		
	Sorpresa	Rimfire	0.125		7.9 M oz Ag
9	Hera	Aurelia Metals	0.28	4	
	Tomingly	Alkane Resources	0.96		
N. Control	Syerston (Sunrise)	CleanTeq			56 Kt Ni, 10Kt Co, 10 Kt Sc
-					

Source: Production data Geological Survey of NSW on July 2015 and Resources data extracted from NSW data warehouse

Excellent Structural & Geologic Setting for major discoveries



District Neighbours - Geology & Prospects





Rimfire Mineralised **Prospects**



RC Drilling Dec 2017





Company Snapshot - January 2018

Shares on Issue 943M Ordinary FP; Unlisted Options 2.3M

Market Cap. Approx. \$27.3M @2.9cents

Volume last 12 months

- Approx. ~500,000 shares/day
- Largest 20 Million shares/day;

Shareholder Profile – Approx. 2060 shareholders

- Board & Management 7%
- Top 20 Holders 37%
- Top 100 Holders 67% (cut-off 1.75M shares)

Cash Status December 31st 2017

- Approx. \$1.981m
- R&D Application planned





The Board & Management - Strong New team

Ian McCubbing (July 2016) (Chairman)	CA, Bachelor of Commerce (Honours), Executive MBA from the AGSM, with over 30 years experience principally in the areas of corporate finance and M&A in resources and industrial. Currently a Non-Executive Director of three other ASX listed resources related companies			
John Kaminsky (May 2004) (CEO and MD)	Diverse business background internationally, more than 30 years (including 10 years in South Korea) in trade, resources, investment & consulting. MBA (MBS), and Bachelor Applied Science (Chemistry)			
Andrew Greville (August 2017) (Non Executive Director)	Qualified mining engineer, over 30 years of international mining industry experience, particularly in the fields of business development and marketing. Principal of West End Mining & Consulting since 2015, previously Executive General Manager, Business Development and Strategy, Xstrata Copper			
Ramona Enconniere (April 2005) (Non Executive Director)	Extensive finance background and Bachelor Economics, CPA & MBA (MBS), corporate positions including Citibank, Bank of America, OCBC (Overseas-Chinese Bank Corporation) and NAB			
Colin Plumridge (Jan 2005) (Exploration Management)	Senior Field Geologist - has over 45 years experience and discovery track record with extensive history in most commodities and important resource districts in Australia			
Greg Keane (May 2017) (CFO)	Internationally experienced commercial and financial professional with experience in all stages of a resource company lifecycle. A qualified CPA / MBA professional with big four experience.			
Melanie Leydin (April 2017) (Company Secretary)	25 years experience in the accounting profession and is a director and company secretary for a number of oil and gas, junior mining and exploration entities listed on the Australian Securities Exchange. A Chartered Accountant and a Registered Company Auditor.			



ASX:RIM 30 month Share Price Performance to January 2018



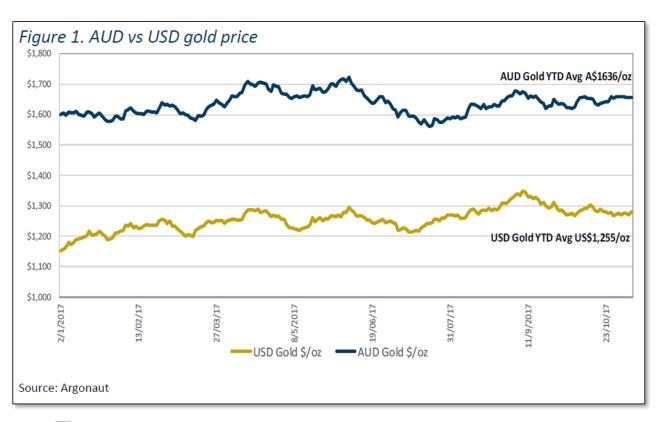
- Risk capital returning (absent 4 years)
- Exploration Sector off the bottom & +ve for 2018
- Liquidity and value now improved
- Gold sideways in 2017 expected better in 2018
- RIM some good volume events (and lately)
- ☐ Price upswings **Activities & Results** matter

Key Metal Prices





- ☐ Limited project areas in easy jurisdictions
- ☐ Fifield has a strong focus generated by CleanTeQ and others



- ☐ Gold Price sideways in 2017 Increasing 2018
- ☐ Gold supply Peak in Australia? (Schodde Report)
- ☐ Gold has sustained discovery/replacement interest from majors Exploration now a focus

Fifield Central NSW

RIMFIRE - NEW GOLD INC. EARN-IN DEAL



New Gold Inc. Public Comments October 2016

New Gold's, Mark Petersen, Vice President, Exploration, stated: "We are excited to work with the Rimfire team as the Fifield Project demonstrates large-scale, world-class discovery potential in a geologic setting very familiar to us".





New Gold Inc. TSX:NYSE Code "NGD" a Market Capitalisation of CAD\$2.5 Billion



New Gold Inc. Deal Outline - No Downside

- □ A\$0.5 million equity investment (Nov 2016) in Rimfire shares at 2.1 cents & New Gold Minimum spend \$2m in the first year (due by March 2018)
 - ☐ First year is spent (\$2m), await nomination to continue or otherwise
- □ New Gold may elect to spend <u>a further A\$5m</u> (A\$7m total) within the first 3 years
 - □ To Earn 51% Interest in Fifield tenements, JV, otherwise Project area reverts 100% to Rimfire
- □ New Gold may elect to spend an additional A\$5m (A\$12m total) within the first 5 years
 - To earn additional 19% interest (becomes Rimfire 30%: New Gold 70%)
- Rimfire to receive additional monies up to A\$5 million
 - Should the current Sorpresa gold and silver mineral resource be mined and processed
- □ Rimfire has direct spending control of 15% of the first A\$7 million funded by New Gold
 - Direction into the project area
 - News flow participation
- Rimfire can spend additional \$3m on its own account as a credit to the project area



Goals and approach to the New Gold Inc. earn-in 2017

- Aggregated 4 million ounce gold equivalent outcome goal
 - □ 10 year mine life, lower third of costs
- ☐ The New Gold Inc. and Rimfire combined exploration approaches are complimentary
 - Big picture architecture
 - Nimble focused prospecting
 - Multiple concepts
- Maximise the discovery potential
- Utilises Rimfire full technical and site team
 - Service agreement, maintains continuity and expertise







New Gold Inc. Comments November 2017

New Gold's, Mark Petersen, Vice President, Exploration, in **November 2017 stated:**

"Since joining the Rimfire team to explore the Fifield project area a year ago, we are quite pleased with the progress made in the advancement of understanding of area geology and potential for new discoveries.

"The development of a property-scale targeting framework to support exploration decisions coupled with the recent success of the first pass reconnaissance drilling program at Transit is encouraging.

"The continued generation of new zones of anomalous precious and base metal mineralization within the broader project area, provides further confirmation of the strong and diverse mineral potential present at Fifield."





New Gold Inc. TSX:NYSE Code "NGD" a Market Capitalisation of CAD\$2.5 Billion

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PROGRESS 2017 - WHERE ARE WE NOW? WHERE ARE WE HEADING IN 2018?



Milestones and Important Progress 2017

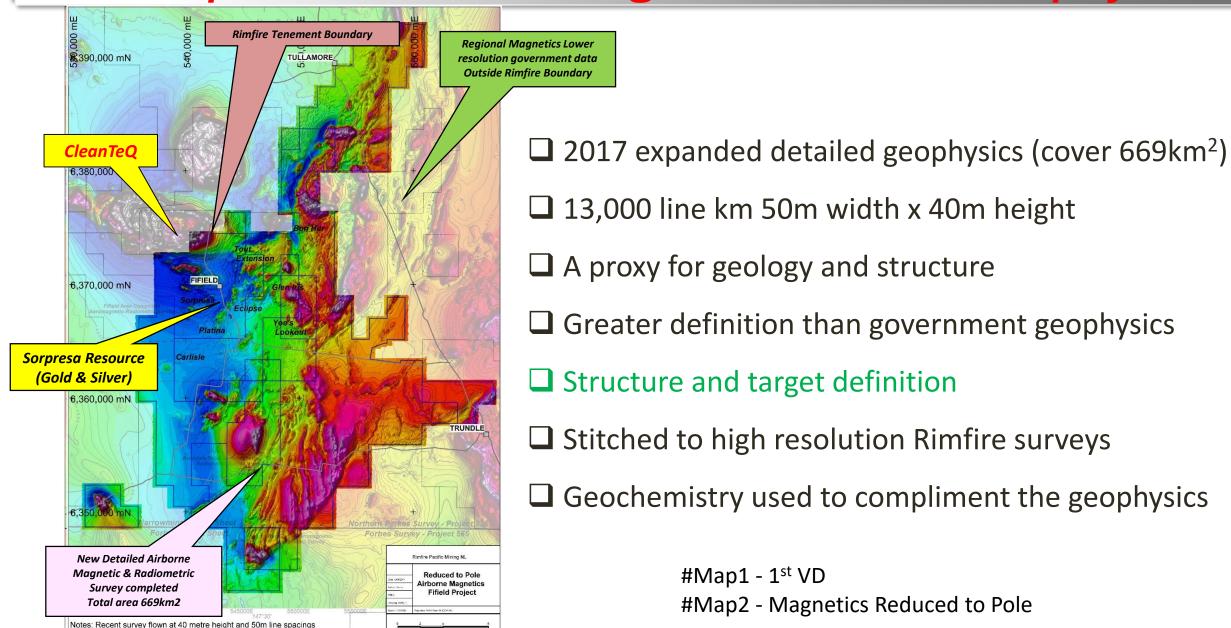
Activity	Date	New Gold	Rimfire	Comment
Magnetics & Radiometrics	Jan-Feb	//	✓	Detailed Survey Covers 669km ²
Data Review, Gap Analysis	Jan-May	✓		Programs to fill gaps
Historic Re-assays	Mar-June	✓		Complete data set
Spectral Studies	Mar-May	√		Large scale signatures sought
Regional Aircore Phase 1	Apr-July	✓		Geochem 150km ² covered to date
Focused prospecting	ongoing		//	13 priority areas
New target generation	ongoing	√	 	Integration of data & concepts
RC Drilling 1 st phase	July-Aug	✓	√	5 locations, first pass
DD Drilling 1st phase	Aug-Sept	✓		3 locations, first pass
Surface Mapping, Rock Chips	ongoing	✓	//	Regolith, structure, samples
Geophysics Interpretation	ongoing	 	//	Key knowledge domain
Aircore Phase 2 - Infill & extend	Oct-Dec	 	✓	Next Target generation



Key outcomes from 2017 program initiatives

- ☐ Extended coverage across entire 669km² Tenement package
- Greater geological & structural understanding
 - At the macro and micro levels
- Increased geochemistry knowledge on larger footprint
 - Expanded metal suite, including Cobalt
- New target domains for potential large discoveries
- Transit Prospect gold intersection 4km east of Sorpresa
- Strong Prospect Pipeline into 2018
- The Fifield Project area is well placed!

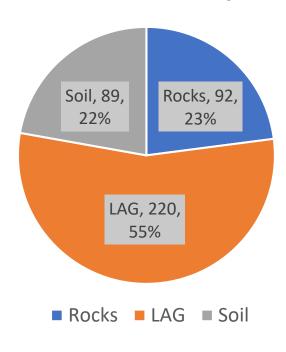
Completed Airborne High Resolution Geophysics



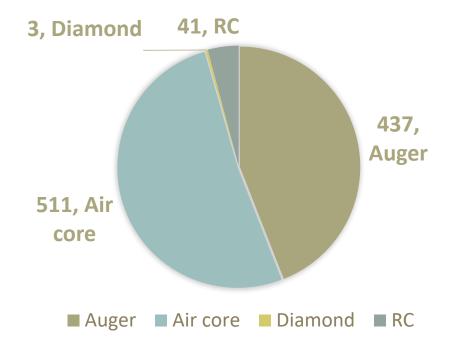


Drilling and Sampling 2017 YTD November

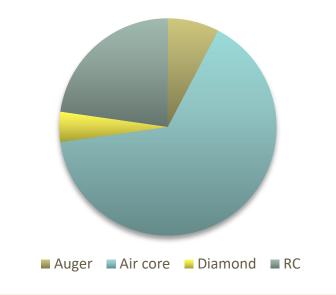
2017 surface samples



DRILLING SUMMARY # OF HOLES



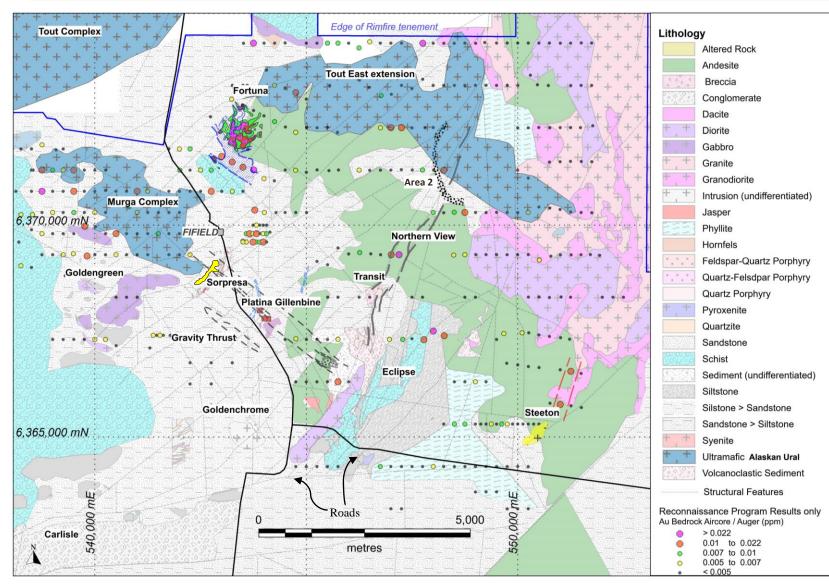
Drilling Summary # metres



Drilling Summary 2017 to November							
Drilling Type	illing Type # metres						
Auger	1,400	437					
Air core	11,917	511					
Diamond	821	3					
RC	4,163	41					
Total	18,301	992					



Emerging Key Target Area Domains



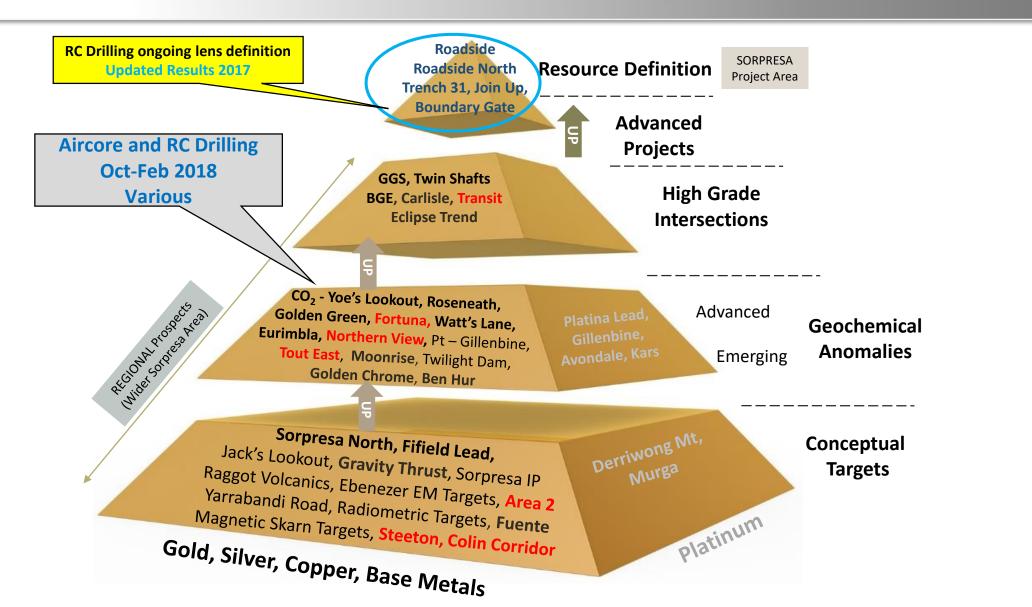
- **Greater Transit Au** intersections and Cu/Mo
- **Steeton** Ordovician Age Epithermal-Porphyry (Au-Cu)
- Fortuna Gold anomaly to Quartzite Hill areas 1km² Au
- **Northern View** (~Ben Hur) anomalous (Co, Mn, Au, Ag, Pb, Sb, As, Cu, Zn, Te...)
- Colin's Corridor Au (&Pt) 4km long (Sorpresa to SE), Coarser gold observations include 114g/t Au (2013)
- **Tout East** geology extension and new metal suite, including Co & Ni

rimfire

Area 2 – Ag, base metal surface anomaly



Prospect Pipeline - January 2018 - Ranking





Mineralised Prospects Stage

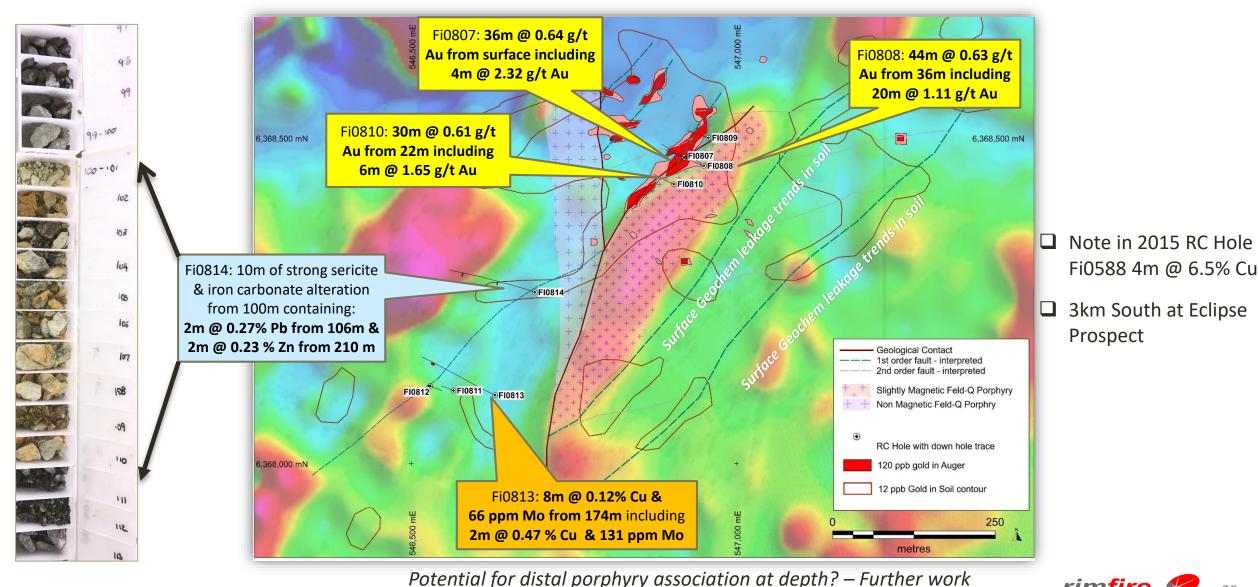


Transit 4km East of Sorpresa - Results Analysed

- Demonstrates capacity of Fifield to host additional discoveries.
- 8 scout holes were drilled over a strike of 500m Sept 2017
- An excellent mineralisation hit rate in the drill holes was achieved
- Transit sits at the intersection of a set of structural corridors
- Geology at Transit similarities with Sorpresa carbonaceous characteristics
- ☐ Hole Fi0808 thickest gold intersection (44m) encountered at Fifield
 - 44m @ 0.63g/t Au from 36m (Incl. 20m @ 1.11g/t Au)
- Copper and Molbdenum (Fi0813: 8m @ 0.12% Cu & 66 ppm Mo from 174m including 2m @ 0.47 % Cu & 131 ppm Mo)
- Larger porphyry related mineralising system at depth a discovery possibility



Transit Prospect - Gold in Shears - Copper-Molybdenum



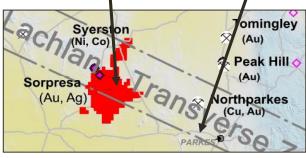


Steeton Area - Epithermal/Porphyry Au-Cu















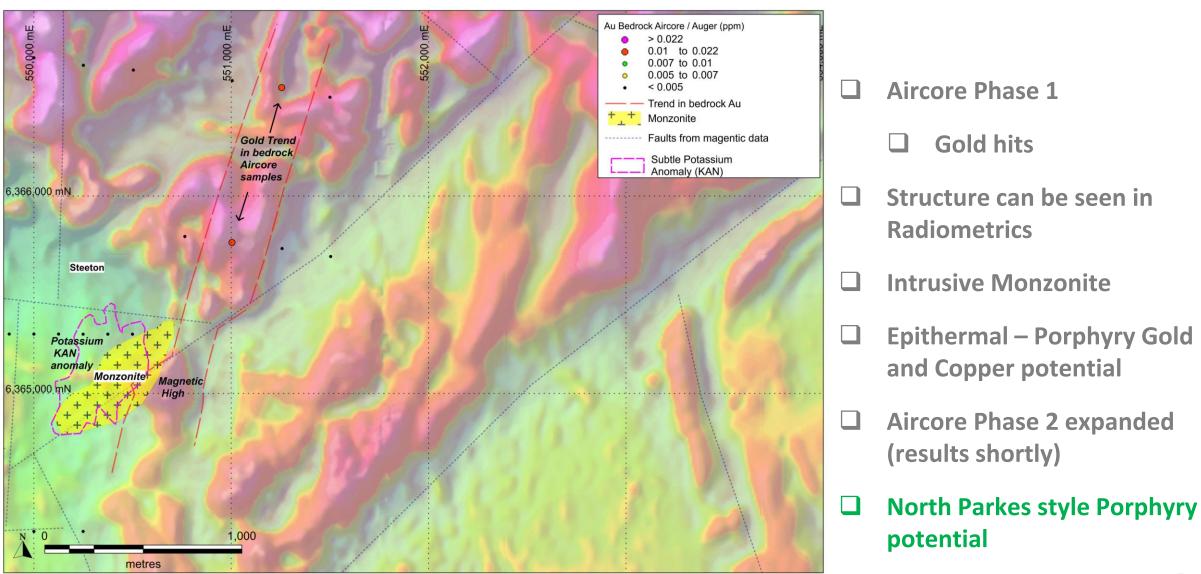
- **Located SW of Yoes Trend**
- 400m x 100m open
- Aircore Phase 2 to expand & provide more data
- **Looking for Ordovician Macquarie Arc Rocks** under cover





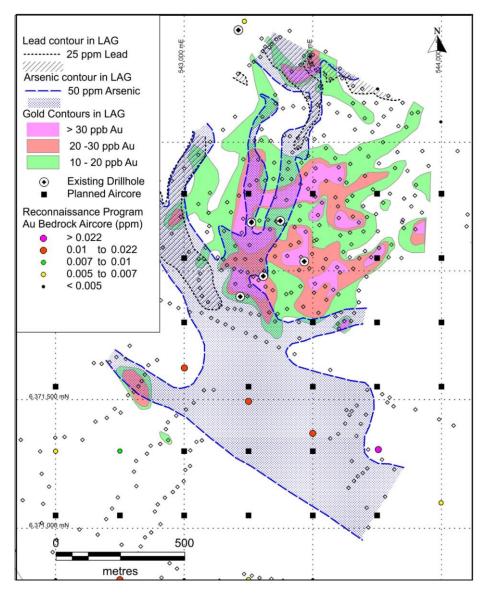


Steeton features on 1VD Magnetics





Fortuna Gold LAG sampling with Aircore Phase 1

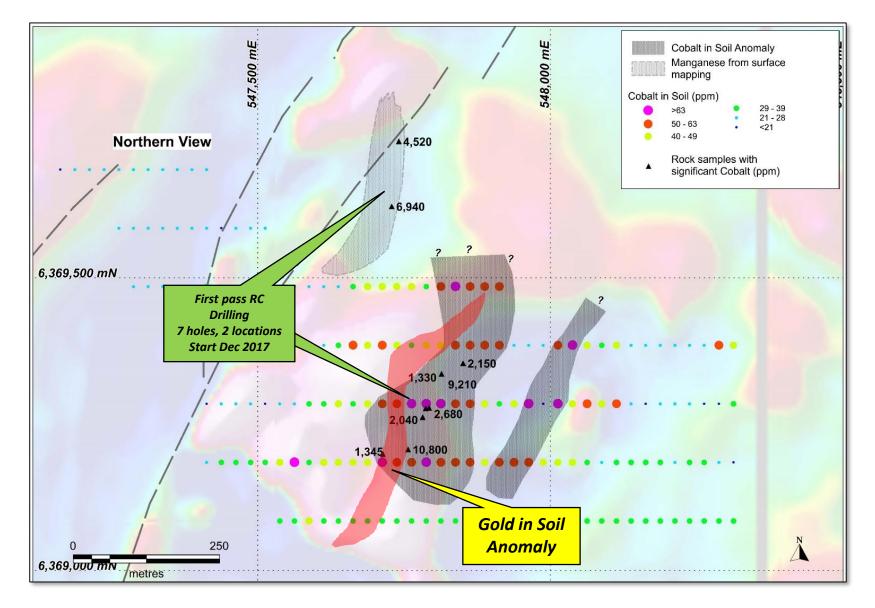


- **Large 1km diameter Gold Anomaly** with Associated As, Pb zoning
 - Higher order Gold anomaly than Sorpresa at same stage
- **Underlying Intrusive entering** complex fault zone
- Need to Model for subtle magnetics and possible IP or EM
- Sorpresa style Geology also present
- **Drill direction requires thought**





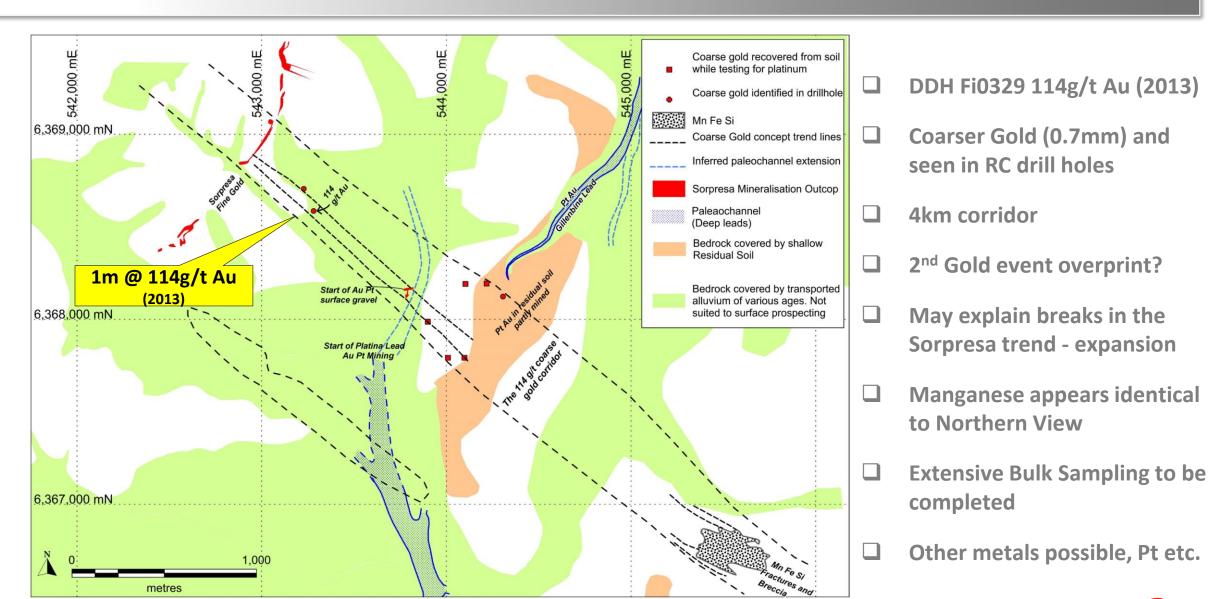
Northern View Cobalt on 1VD Magnetics



- **Upto 1% Cobalt in chips**
- **Fault controlled Cobalt** bearing sulphides?
- Faults appear trackable on **K** radiometrics
- Other metals possible, Cu Ag, Au etc
- Manganese similar to southern mapped area
- First pass RC Drill Dec (7 RC holes completed) results pending



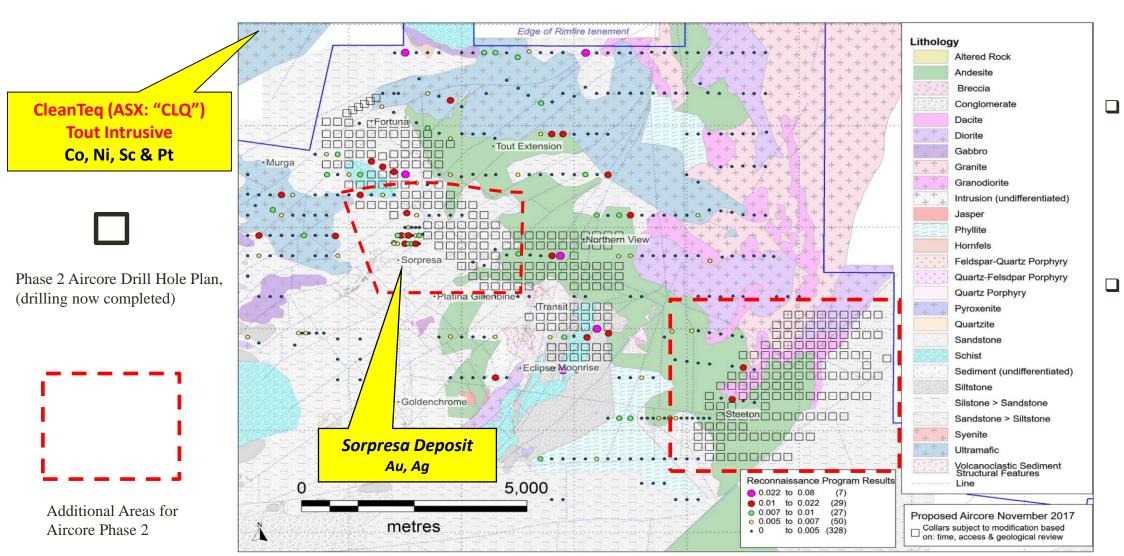
Coarser Gold Concept - Colin's Corridor





Increased Aircore Phase 2 - completed late 2017

(results and interpretation pending)



Phase 1
Aircore at
1km line
spacing,
250m
centred
holes

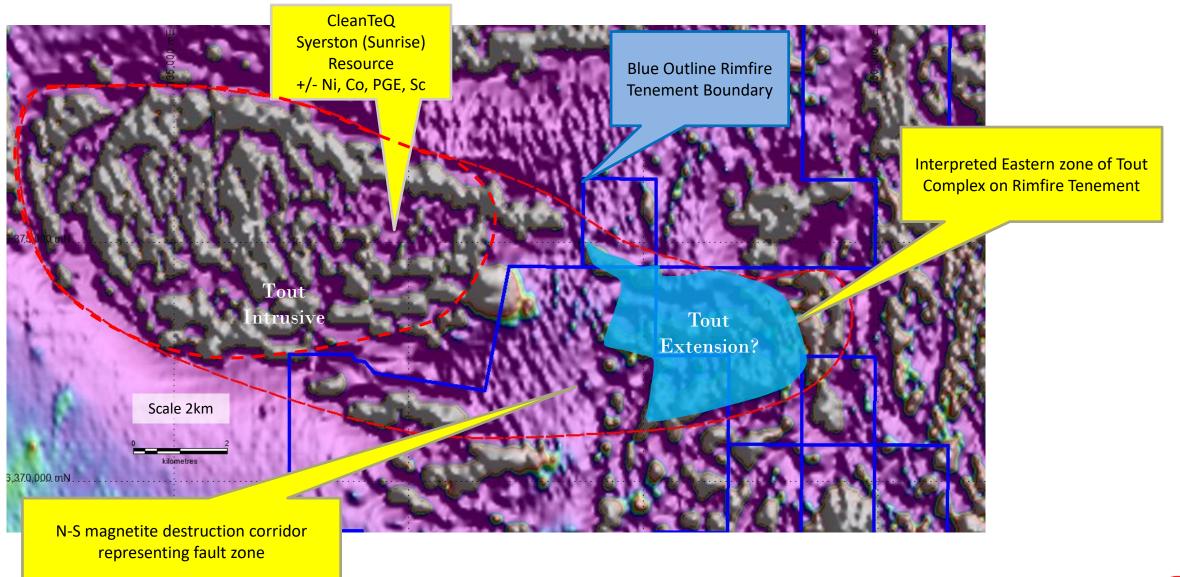
Phase 2
Aircore
infill and
extension,
250m line
spacing,
250m
centred
holes

Approx. 343 holes for 8,290m Aircore Phase 2, Braod reconnaissance program results pending





District Picture - Tout East Extension



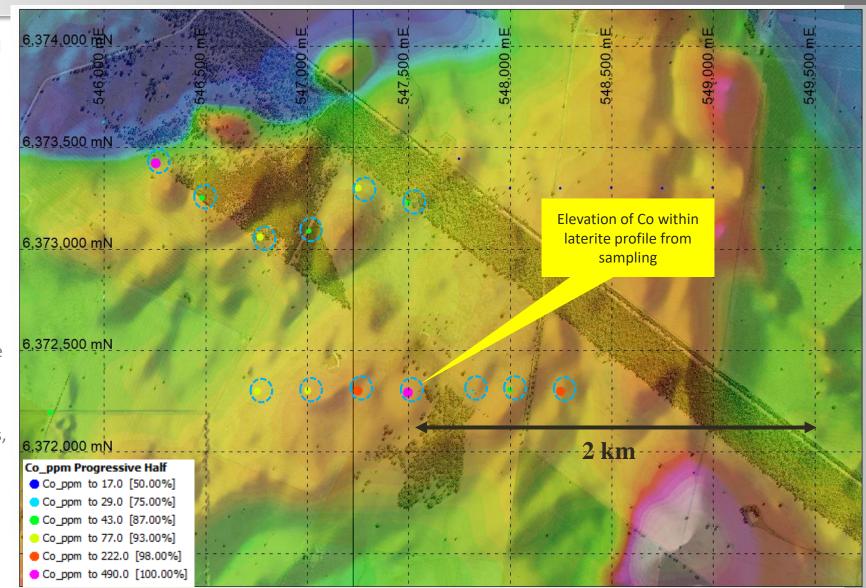


Cobalt bedrock geochemistry Tout East (on RTP Magnetic Image)

Zones of elevated Co observed associated with laterite profile in Aircore Drilling



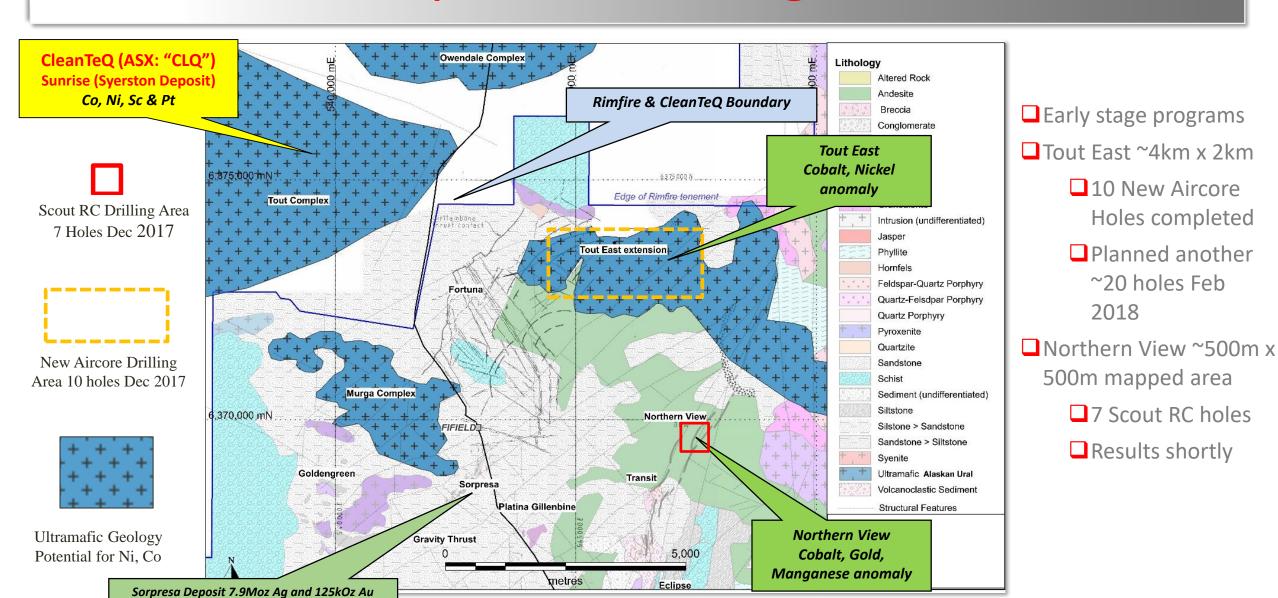
- ☐ Drilling focused on magnetic high zones, with lower magnetic response zone untested
- ☐ Intermittent sampling conducted for Cobalt at the time of the Aircore Drilling
- ☐ Lower magnetic response zone known to host Syerston (Sunrise) Deposit within the Tout Intrusive Complex (CleanTeQ)
- ☐ A new Aircore program is proposed as infill and extension drilling, up to 55 holes, covering an area of 4km x 2km. (Awaits permitting, access and contractor timing)





(at cutoff 0.5g/t Au @ 25g/t Ag)

Two Cobalt Prospect Areas Drilling Locations







Summary - Potential of Tout East Extension

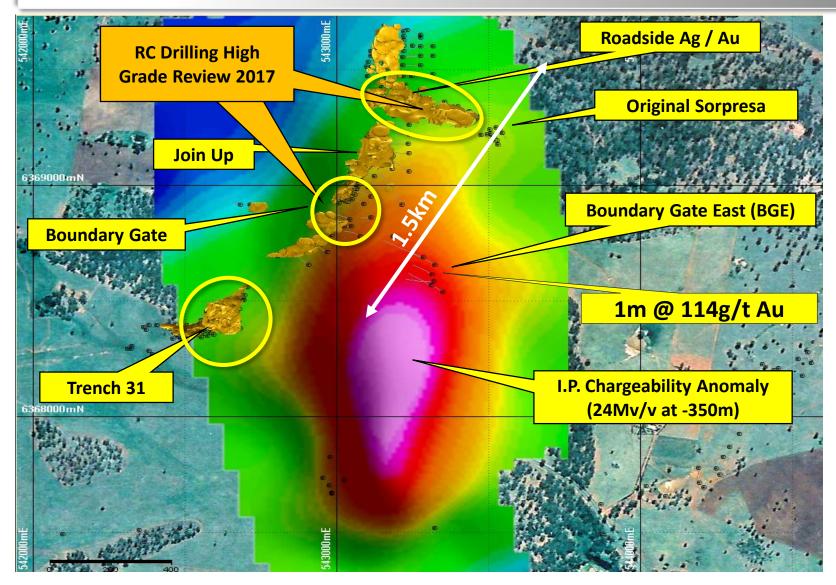
- New area of assessment to the north of Fifield
 - First postulated based on magnetics
- Mapping extension by Rimfire in 2017
 - Concept assembly, field evidence (Laterite)
- New Gold Inc. Regional Aircore Drilling Laterite intersected
 - Wide spaced program (1km spaced lines, 250m spaced holes)
 - Gold anomalous in Aircore in places
 - Vermiculite intersected one hole
- Key early Model/Mineralisation Concepts to examine
 - Gold in Laterite?
 - □ Ni, Co, (Sc?) metals as per similar deposits to the north/north west (CleanTeQ)
- □ Next phase assessment underway by Rimfire Aircore (underway)

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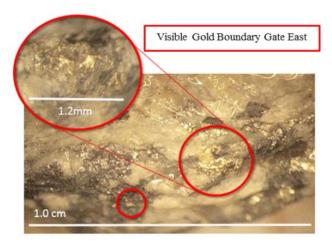
SORPRESA CORRIDOR STATUS

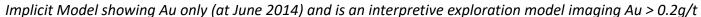


Sorpresa - Gold and Silver Area Update



- **JORC Resource Dec 2014**
- Drilled high Grade lenses 2017 assist assessment
- 3rd round of metallurgy
- **Discovery Concepts**
 - Coarser Au Area Corridor?
 - Geology extensions

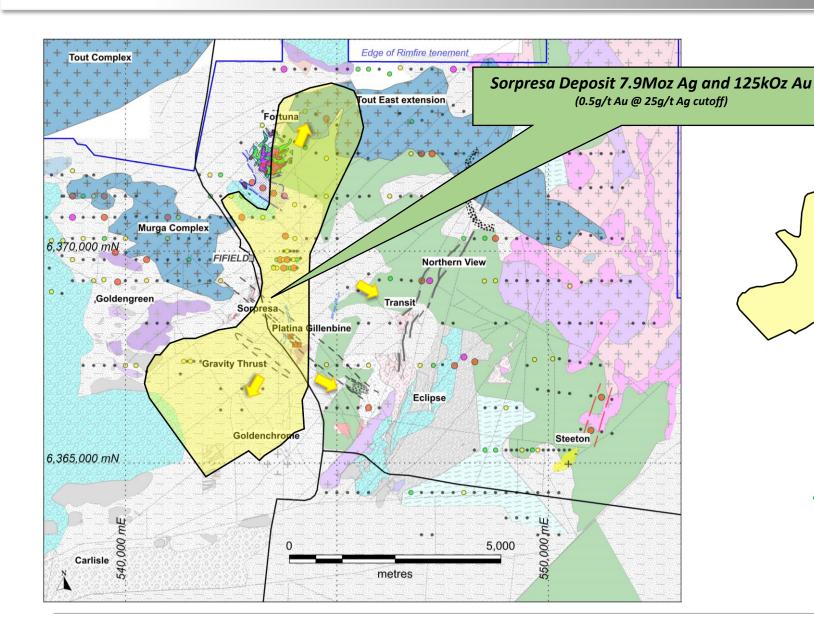








Discovery Growth Opportunities Sorpresa Corridor





Sorpresa style geology with Au potential

Expanded (2016) from 11km² to 18km²

Less than 10% drill tested

Discovery Growth

Fifield Central NSW

SUMMARY POSITION



Value Drivers - Executive Summary

- Location, LTZ corridor NSW Excellent discovery setting
 - World Class ore body potential (Gold Copper footprint)
- Metal Focus Au, Cu, Ag, Pt a polymetallic setting, plus Cobalt
 - Other metals emerging Active Neighbours CleanTeQ (Ni, Co, Sc, Pt)
- Evidence Sorpresa a Green Fields Gold and Silver discovery
 - Part of a bigger mineralising system
 - Potential multiple pit strategy at Sorpresa, aided by additional discovery
- New Gold Inc. (TSX/NYSE: NGD) Earn-in Deal No downside
 - Rimfire an active participant, able to determine project direction and Newsflow
 - Rimfire personnel central to the project (service agreement)
- 4m oz Gold Equivalent Discovery Aspiration for the project area
 - Aim for 10 year or more mine life, in lower third of industry costs





Value Drivers - Executive Summary

- Fifield Mineral Prospect Portfolio Risk Mitigation
 - Regular prioritisation of targets
- Unique Discovery Methodology Adopted
 - Best of Large and Small Company
- Target Screening and testing
 - Drilling outcomes
 - Market Milestones
- Rimfire Discovery track record
 - Peers, Benchmarking, Efficiency (\$'s), Management
 - Funding well deployed





Please stay tuned for updates at Fifield

Thank you

Proven **Technology**

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



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Consider signing up to the Rimfire Website for news alerts

Fifield Central NSW

APPENDICES



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

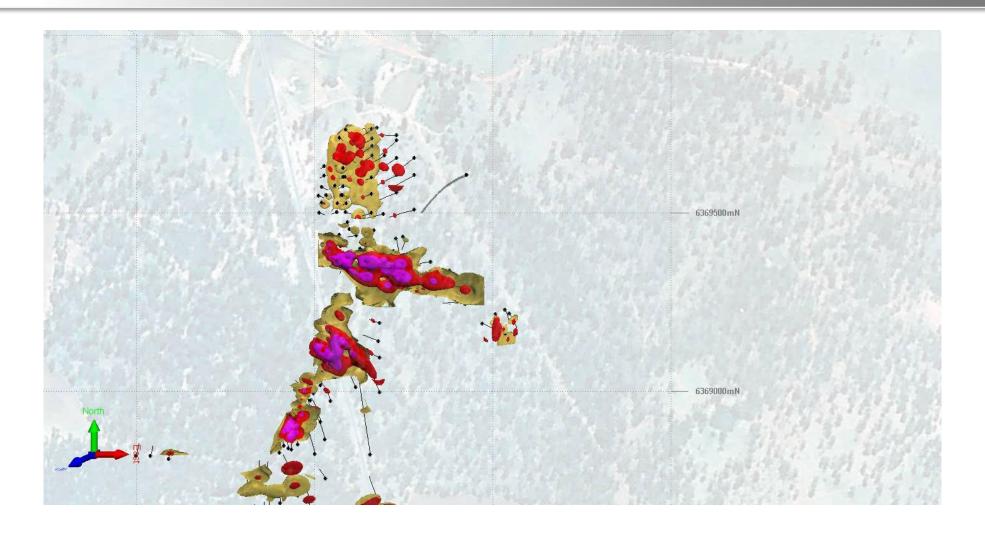


Fifield Fly Through (website)





Appendix - 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 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



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	Category	Mt	Grade		Contained Metal	
				(g/t) Au	(g/t) Ag	Koz Au	Moz Ag
Gold	0.5 g/t Au	Indicated	2.0	1.14	27	73	1.7
		Inferred	1.0	0.9	12	29	0.4
		Total	3.0	1.06	22	103	2.1
Silver	25 g/t Ag	Indicated	2.1	0.21	62	14	4.2
		Inferred	1.2	0.19	40	7	1.6
		Total	3.4	0.20	54	22	5.8
Combined	0.5 g/t Au & 25 g/t Ag	Indicated	4.1	0.67	45	88	5.9
		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	Number of 2m interval samples used for	Head As	says, g/t	Recovery % (Standard CIL)	
Location	composite sample	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, Co	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.