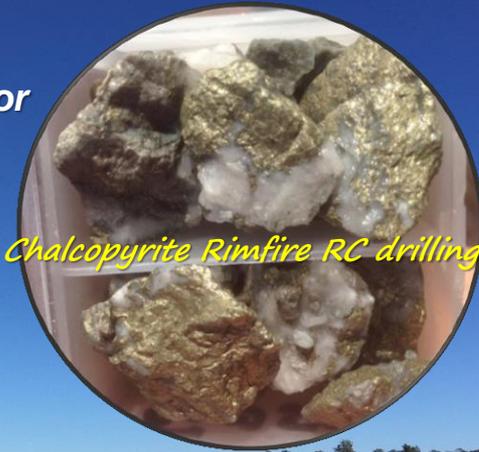


rimfire pacific mining nl

(ASX "RIM")

Sorpresa Gold & Silver Project Area and Regional Surrounds **Fifield NSW**

John Kaminsky
CEO & Managing Director



Chalcopyrite Rimfire RC drilling



IMARC Conference Expo Melbourne
10-12th November 2015



Gold and Platinum from Rimfire work



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).*



Presentation Outline



Introduction and Corporate Overview

Recent History, Strategy, Vision

Fifield Regional Context and Sorpresa Resource

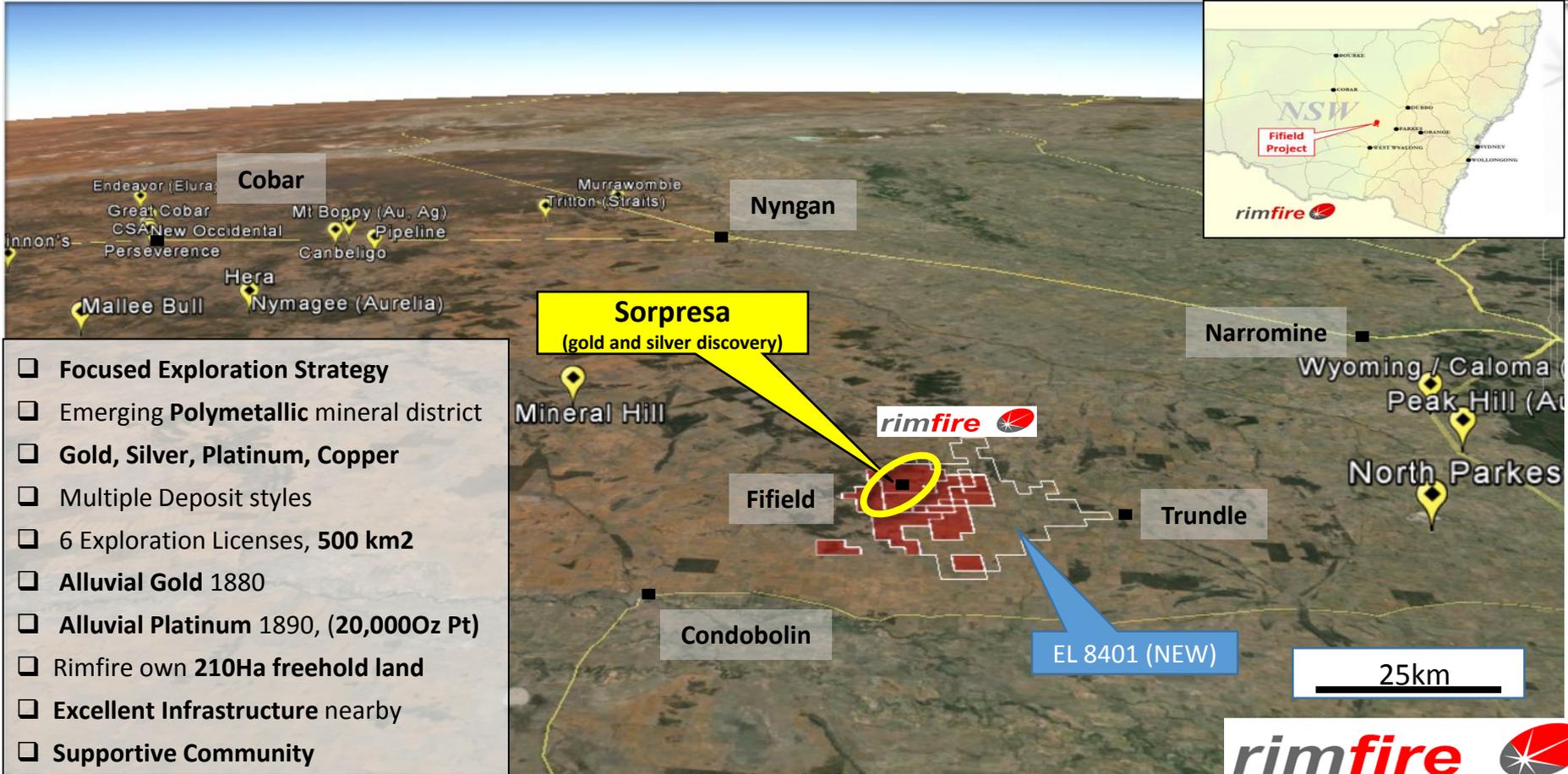
Emerging Copper Footprint

Eclipse and Yoes Areas Gold and Copper

Summary Position



Project Focus – Fifield NSW

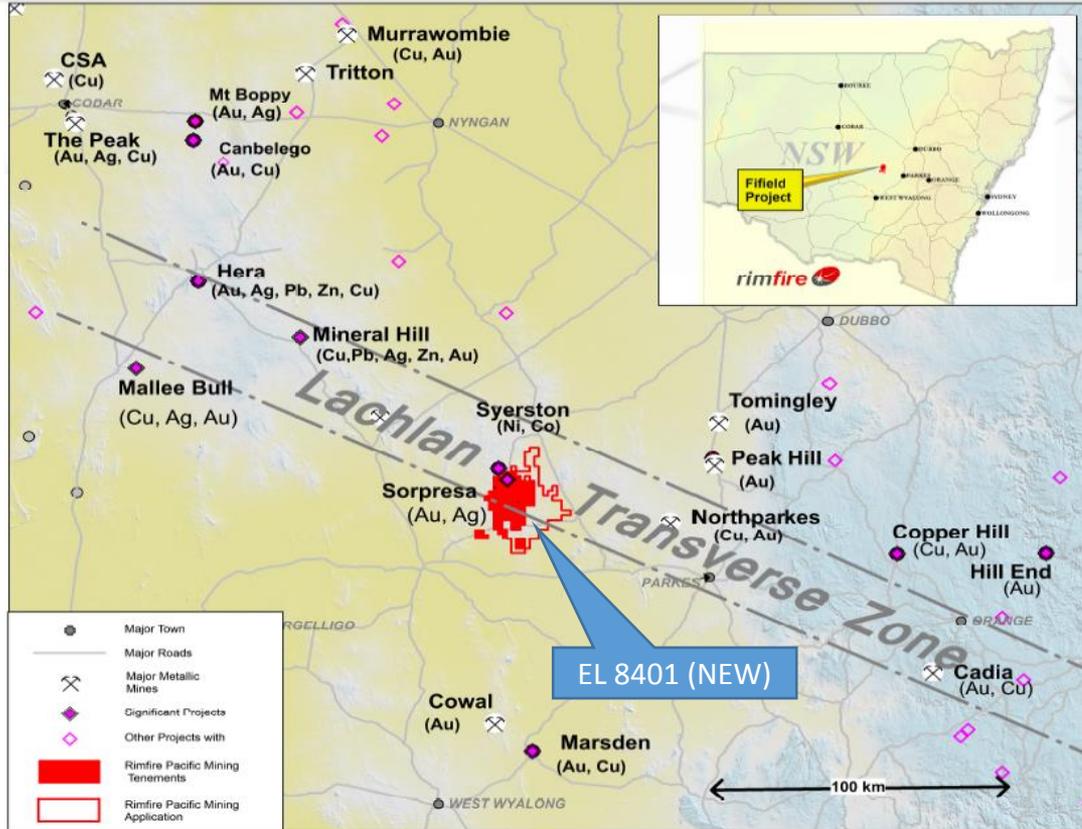


- Focused Exploration Strategy
- Emerging **Polymetallic** mineral district
- Gold, Silver, Platinum, Copper**
- Multiple Deposit styles
- 6 Exploration Licenses, **500 km²**
- Alluvial Gold 1880**
- Alluvial Platinum 1890, (20,000Oz Pt)**
- Rimfire own **210Ha freehold land**
- Excellent Infrastructure** nearby
- Supportive Community**





Project Focus – Fifield NSW - LTZ



- LTZ Corridor of Faults
- Copper emerging on East margin
 - Eclipse and Yoes areas
- Expanded Tenement position (200km²)

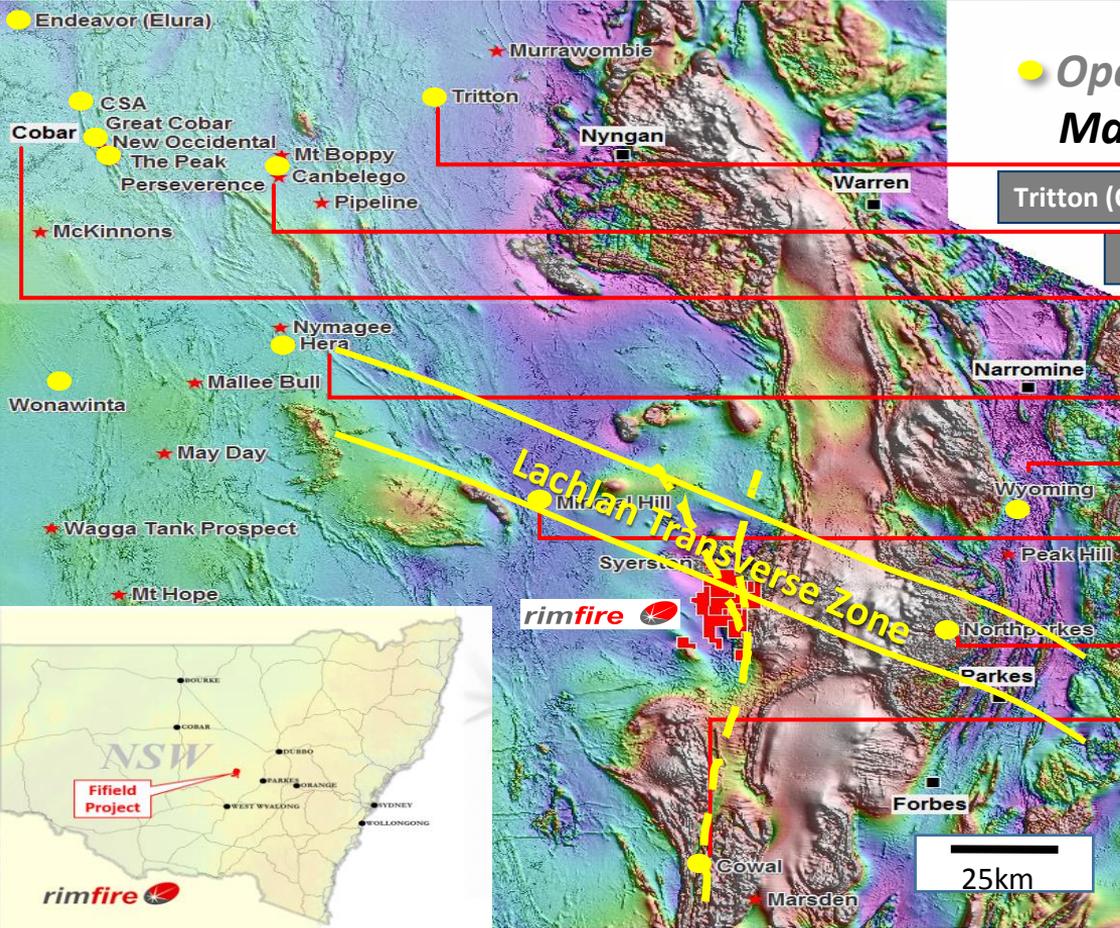
Deposit size selected NSW deposits (combined production and remaining resource)

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	
Copper Hill	Golden Cross Res.	1.6	611	
Mineral Hill	KBL Mining	0.59	66	
Mt Boppy	Black Oak Minerals	0.60		
Peak Hill	Alkane Resources	0.55	8	
The Peak Gold Mine	New Gold	2.4	133	
Tritton	Straits Resources	0.01	218	
Hill End	Hill End Gold Ltd	0.66		
Hera	Aurelia Resources	0.28	4	
Tomingley	Alkane Resources	0.96		
Syerston	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 datawarehouse



Project Focus - East Lachlan Fold Belt



Operating Mines

Major Cross structures at Fifield

Tritton (Cu) Straits Resources

Mt Boppy (Au) Southern Cross Goldfields Ltd

COBAR – 2.2Mt Cu, >7.0Moz Au, >4.7Mt Zn, >2.8Mt Pb and 145Moz Ag (pre-mining)

Hera / Nymagee (Au, Cu, Pb, Zn, Ag) Aurelia

Wyoming / Caloma (Au) Alkane Resources

Mineral Hill (Au, Cu, Pb, Zn, Ag) KBL Mining

North Parkes (Cu/Au) China Mo Co.

Lake Cowal (Au) Evolution

Excellent geological setting





Company Profile – 2nd November 2015

Shares on Issue 744M Ordinary FP; 54M options (5.0 cents, expire Dec 2015)

Market Cap. Approx. \$14.9M @2.0cents

Share Price Movement

- 2013 High 7.5 cent (Jan), Low 2.8 cent (Dec); 2014 High 3.6 cent (Jan), Low 1.5 cents (May)
- 2015 High 3.6 cents (July), Low 1.2 cents (Feb)

Volume last 6 months

- Approx. 682,000 shares/day
- Largest 21.5m shares/day;

Shareholder Profile – 2000 plus shareholders

- Board & Management 8%
- Top 20 Holders 34%
- Top 100 Holders 64% (cut-off 1.32M shares)

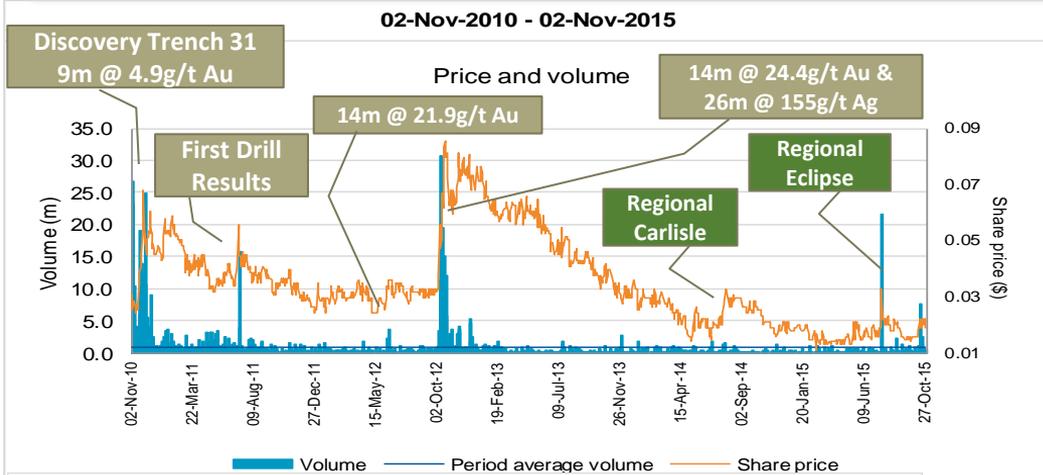
Cash Status 2nd November 2015

- Approx. \$1.49m
- Plus up to \$2.126m in 1 for 7 NRRI @ 2.0 cents & free option (3.5 cents, expire May 2017); **NRRI closes 30 Nov**
- Approx. 80% in ground spend

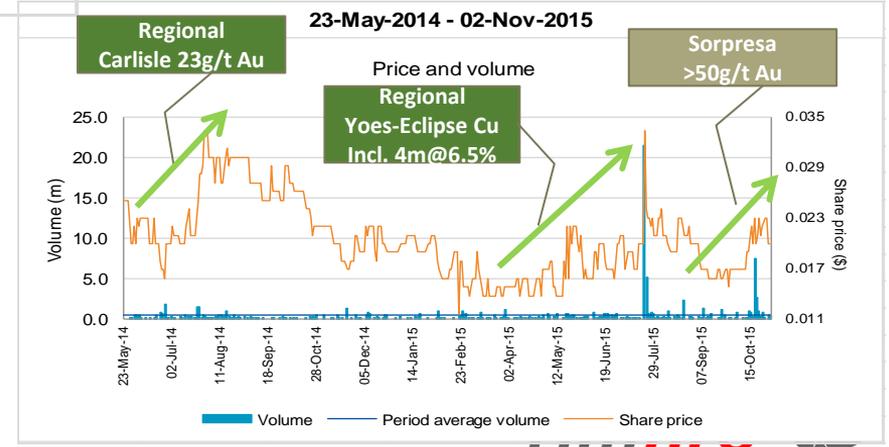
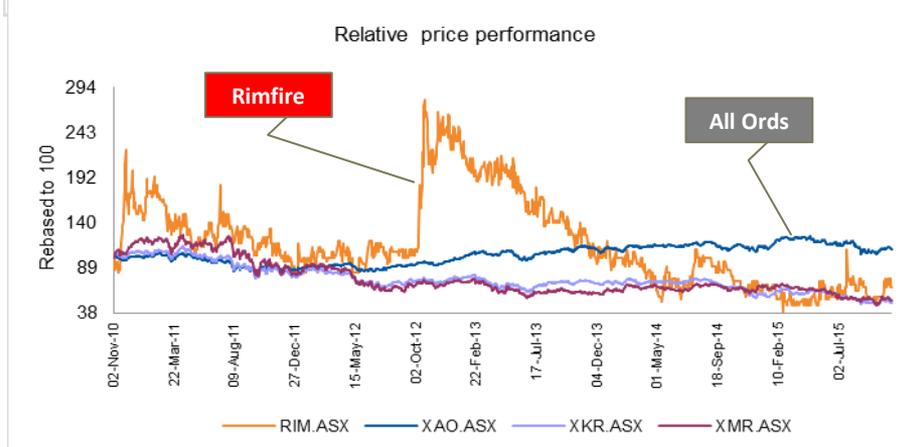




ASX:RIM Share Price Performance to November 2015



- Risk capital has been on the sidelines
- Exploration Sector – green shoots
- Liquidity and value decline, now improved
- Gold and Silver Price bottomed (?)
- RIM > resource indices over 5 yrs
- Price upswing – Activities and Results matter**
- Turning Point, through the bottom...?



Note: XKR is S&P/ASX 300 RESOURCES; XMR is S&P/ASX MIDCAP RESOURCES;



Recent Company History and Context

- ❑ *Rimfire has its Focus exclusively at Fifield NSW – in the LTZ Corridor*
 - ❑ **LTZ Corridor - one of most important Copper/Gold corridors in the world** (e.g. Newcrest-Cadia)
 - ❑ Asian investment includes China Molybdenum and Sumitomo, 80km at North Parkes
 - ❑ Fifield the only Platinum mined area in Australia – Rimfire has this area
- ❑ *Late 2010 – Rimfire made the greenfields “Sorpresa” Gold and Silver Discovery*
 - ❑ Some exceptional high grades (e.g. 14m @ 24.4g/t Au, including 2m @118g/t Au, plus 26m @155g/t Ag)
 - ❑ **Likely part of a much bigger system**
- ❑ *Progress in 2014 and 2015 was substantial with the following:*
 - ❑ **Sorpresa JORC Resource declared** in Dec 2014. approx. 7.9Moz Ag, 125,000oz Au (cutoff 25g/t Ag, 0.5g/t Au)
 - ❑ Inferred and indicated, majority in the oxide (0~60m)
 - ❑ **5 Advanced Regional Prospects within 6km radius of Sorpresa**
 - ❑ Copper Signature established including 4m @ 6.5% Cu
- ❑ *Work programs will use existing and new funds (NRRI) to:*
 - ❑ **Enhance Sorpresa** (The Gap, South, West and East areas), Gravity repeats (?)
 - ❑ **Aim for new discoveries from Regional areas** (within 6km) (e.g. Carlisle, Yoes, Eclipse Trend)
 - ❑ **Assess economic case** of established inventory (Sorpresa High grade Lenses, Platina Lead)
 - ❑ **Possible JV’s being sought, 5 CA agreements in place**





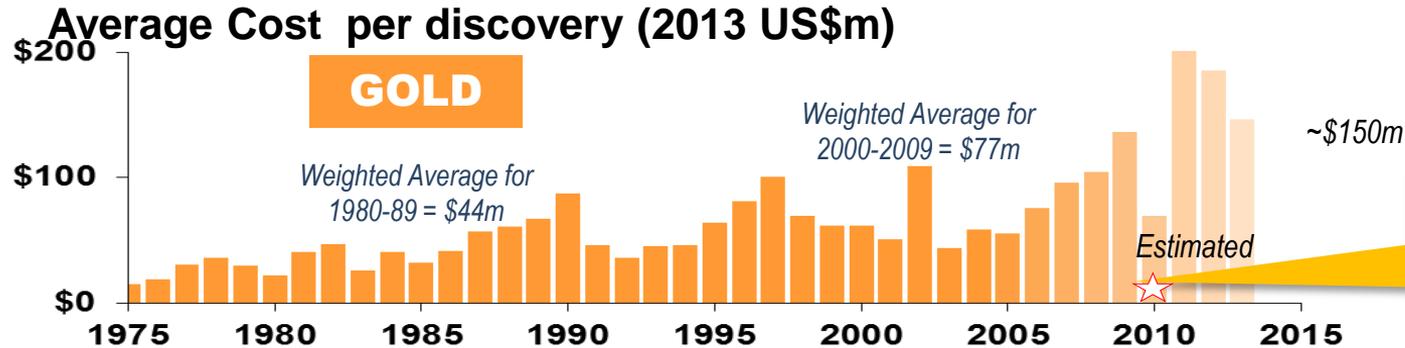
Company Vision and Strategy

- ❑ *Maintain an Overall “Prospect Portfolio” Exploration strategy at Fifield*
 - ❑ Regional Prospects (>30) developed in parallel with the Advanced Sorpresa Project
 - ❑ **Risk mitigation**, assists longevity in pursuit of discoveries
 - ❑ **Focus on Gold, Silver, Copper & Platinum – Good suite of metals**
- ❑ *Enhance and highlight the Fifield district’s appeal*
 - ❑ Make more discoveries within 6km radius of Sorpresa, Regional scoping continues
 - ❑ **Multimillion Ounce gold equivalent potential**
 - ❑ Attract potential partners – *We are noticed*
- ❑ *Ranking of Prospect Priorities “Pyramid”*
 - ❑ **Disciplined and efficient exploration – a track record of success**
 - ❑ Ensure opportunity to make the best discoveries possible
- ❑ *Continue Resource growth at Sorpresa – Examine Commercial context*
 - ❑ The Gap, South, West and East
 - ❑ Inferred, Indicated established, with Measured category in 2015~16
 - ❑ Look to preliminary commercial understanding in 2015~16 – focus on higher grade lenses
- ❑ *Build more Discoveries which add value to the share price*
 - ❑ Aim for resource aggregation within 6km radius of Sorpresa
 - ❑ **Rimfire has a history of low cost discovery expertise – Industry benchmark study**



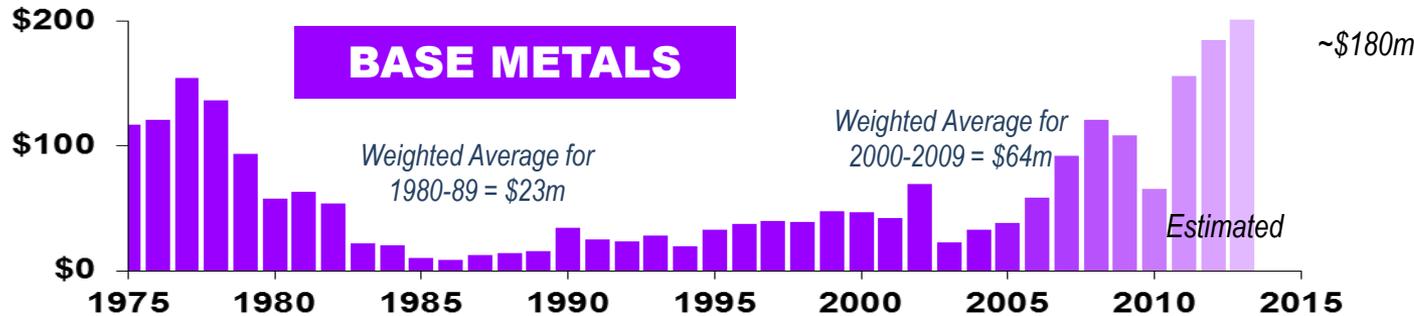
Discovery costs are rising

Unit cost per for a moderate-sized Gold or Base Metal discovery in the World



Unit discovery costs have doubled in the last decade

Between 1999-2010 Rimfire spent a total of US\$10m on exploration and discovered Sorpresa



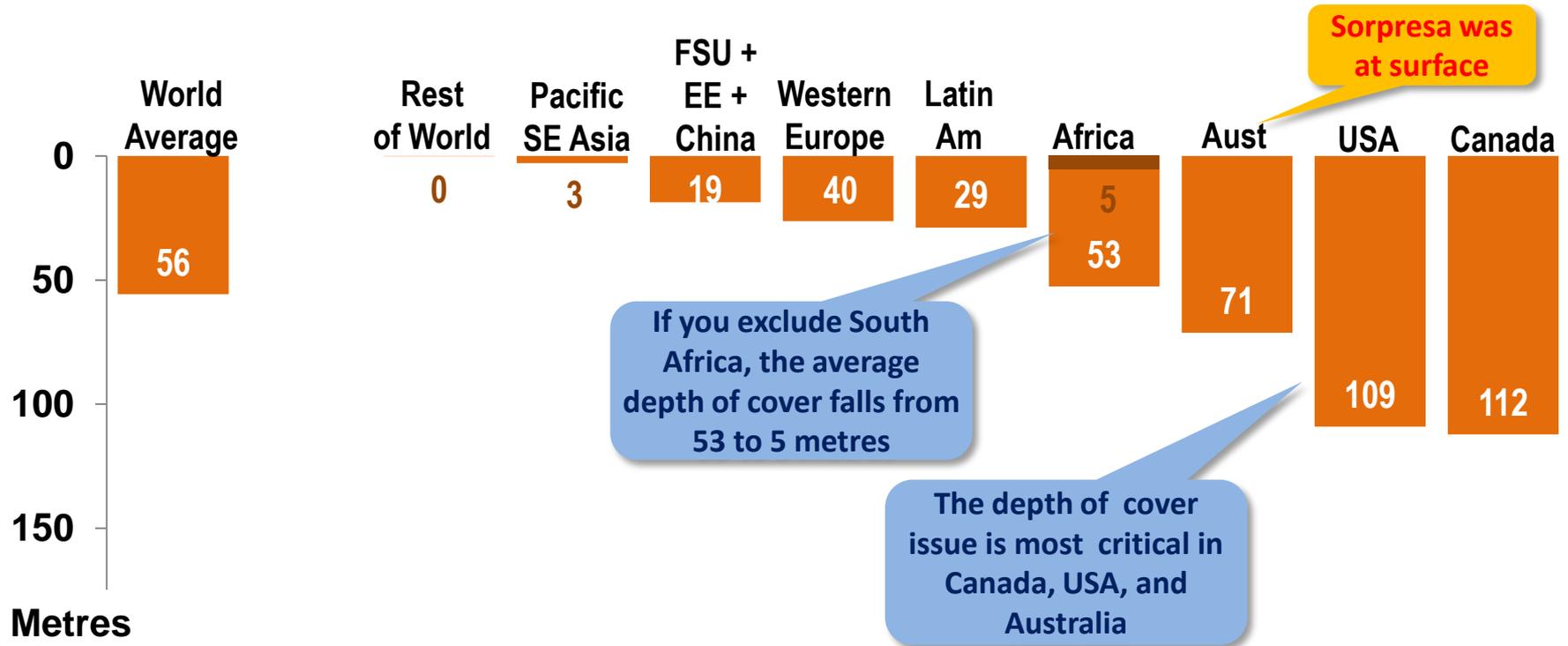
Exploration is a high-risk/high-reward activity

Note: Discoveries are for deposits >0.1 Moz Au or >0.1 Mt Cu-eq
Data from 2005 onwards have been adjusted for unreported deposits

Source: MinEx Consulting © September 2014

Average depth of cover for discoveries - GOLD

World: 2004-2013



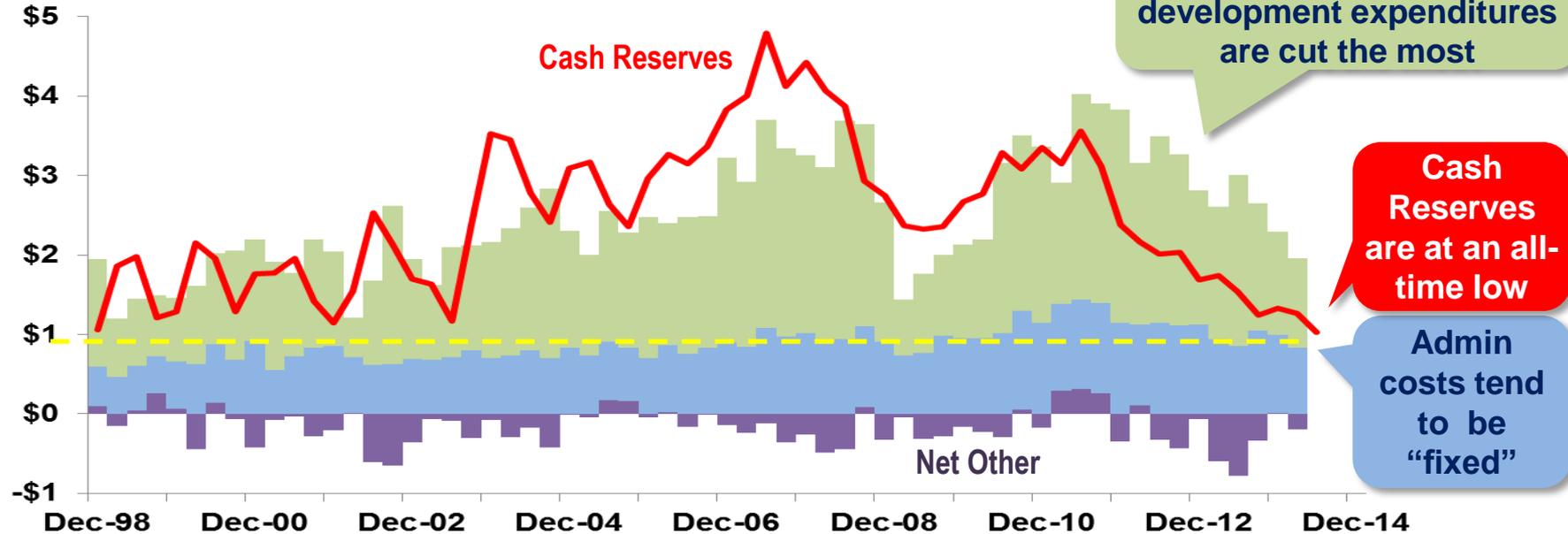
Note: Based on 267 Moderate-, Major- and Giant-sized deposits

Source: MinEx Consulting © September 2014

Cash Reserves and Expenditures have dropped dramatically

MEDIAN Australian Junior Exploration Company : 1998-June 2014

2013 A\$ Million pa

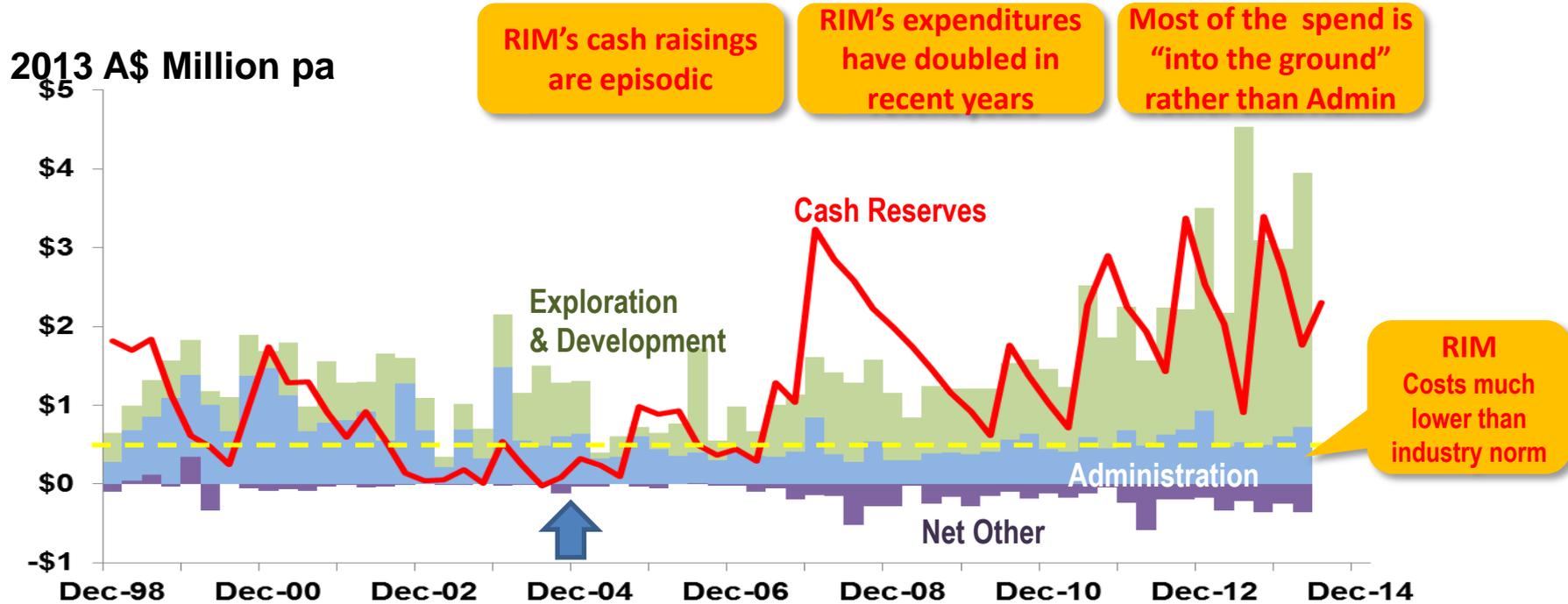


Note: Survey based on a **sample of 125 junior exploration companies listed on the ASX** between 1998-2014
“Net Other” includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
Quarterly spend data has been multiplied by 4x to produce an annualised spend rate

Source: MinEx Consulting © September 2014
based on Quarterly Reports to the ASX

Cash Reserves and Expenditures

Rimfire Pacific Mining: December 1998-June 2014

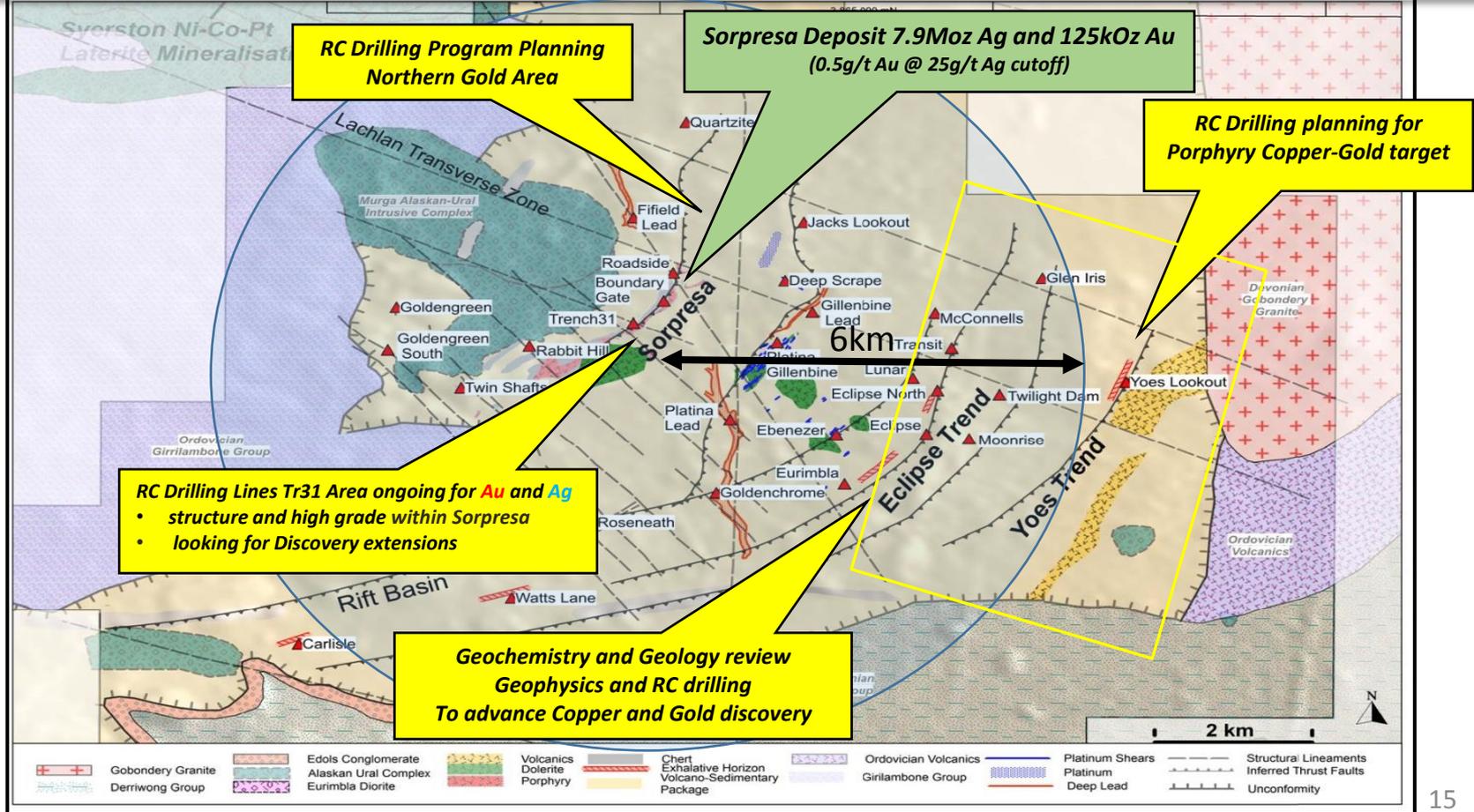


Note: "Net Other" includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
 Quarterly spend data has been multiplied by 4x to produce an annualised spend rate

Source: MinEx Consulting © November 2014
 based on Quarterly Reports to the ASX

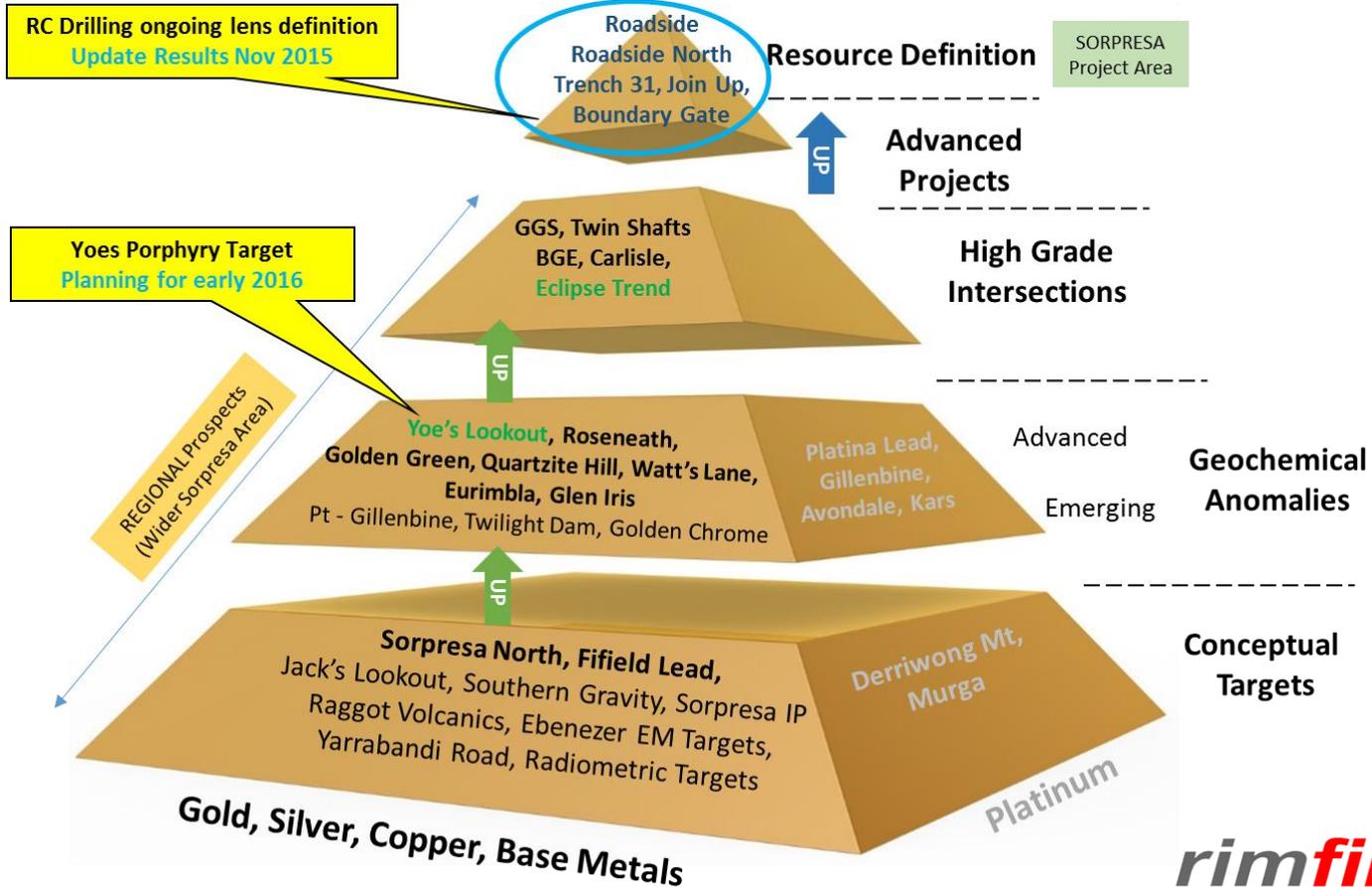


Regional Exploration – within 6km radius





Prospect Pipeline - November 2015 - Ranking





Advanced Regional prospects

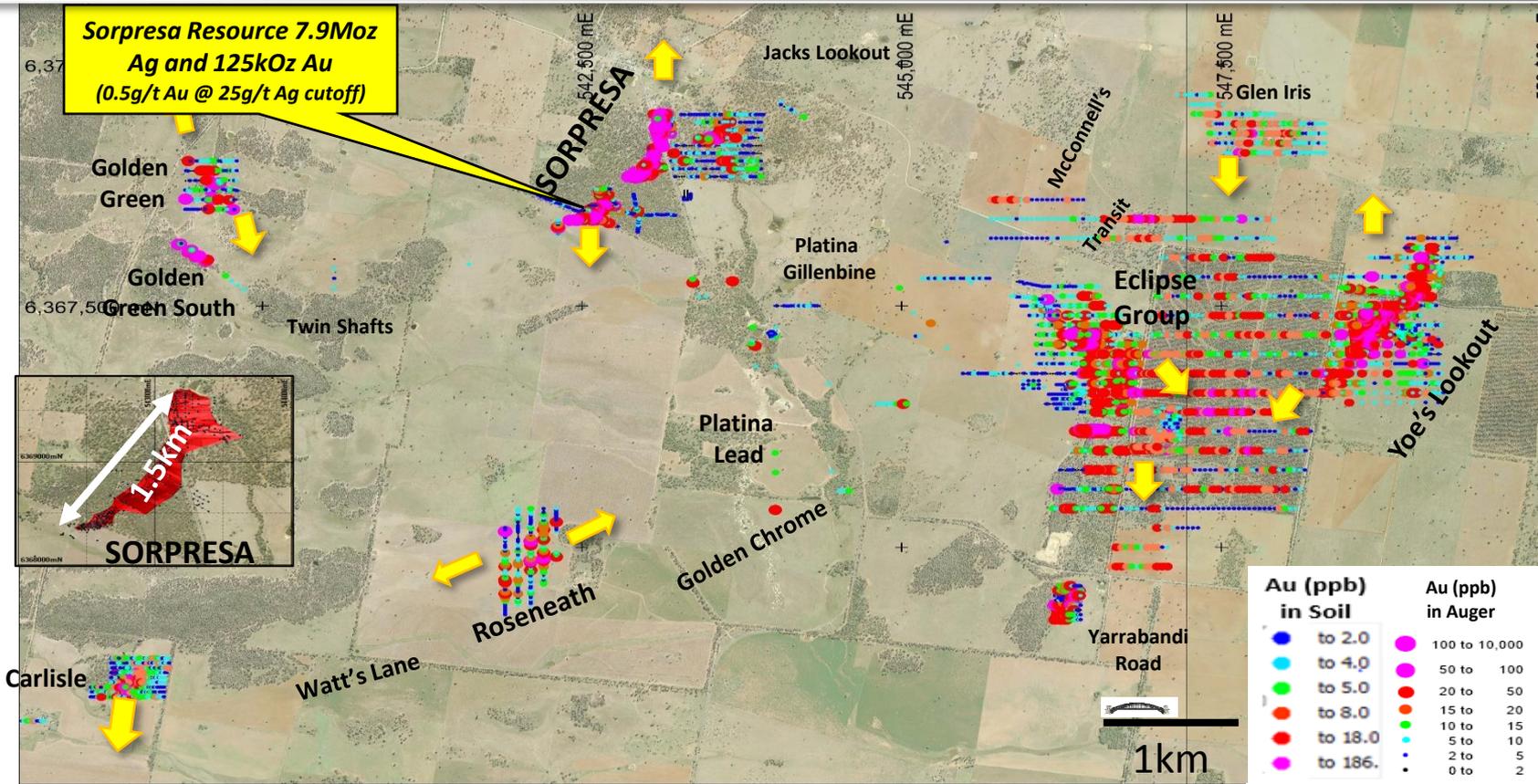
Table of Comparison of more Advanced Prospects within 6km Radius of Sorpresa Projects

Location	Rock Chip g/t Au	Typical Soil ppb Au	Typical Auger ppb Au	Anomaly Length	RC Drill	Open	Other	Historic Workings
Sorpresa Resource	8.8	10~50	20~1,000	1.5km	14 @ 24.4 g/t Au 26m @155g/t Ag	yes	IP/Gravity	Minor
Yoes Lookout	3.4	10~300	20~1,000	1.7km	Au, Cu anomalous	yes	Magnetic Radiometric	No
Eclipse Trend	18.7	N/A	20~700	2.7km	4m @ 6.5% Cu 4m @ 2.3g/t Au	yes	Ag, Cu	Minor
Golden Green Group	8.1	N/A	10~100	0.5km	2m @ 9.11g/t Au	yes	Mafic host?	Yes
Roseneath	3.7	8~300	15~80	0.8km	N/A	yes	Sorpresa Style?	No
Carlisle	23.0	9~50	N/A	0.35km	7m @ 1.47g/t Au	yes	Magnetic Feature	Minor

5 Advanced prospects that benchmark well against an early comparison of Sorpresa

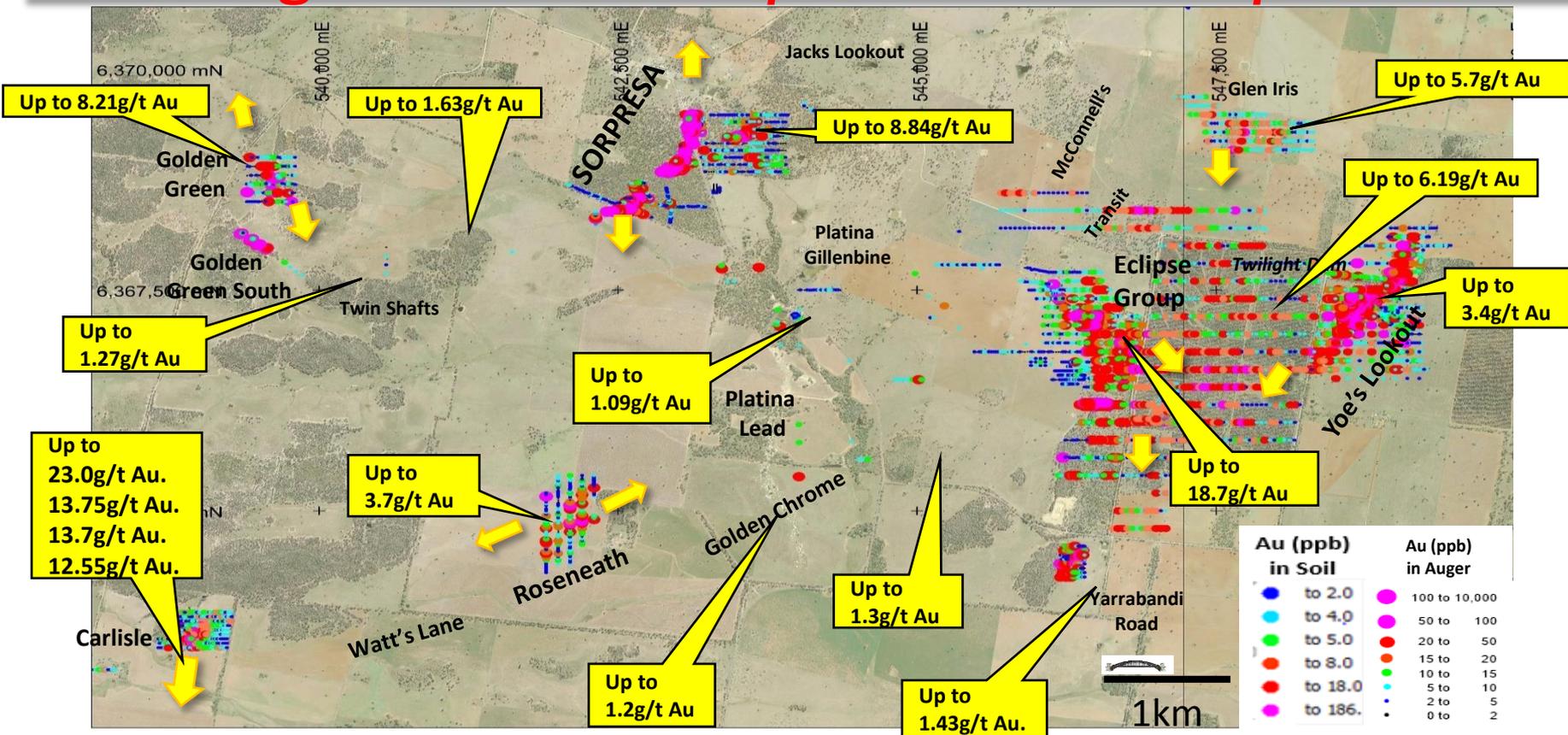


Regional Exploration - Auger, Soils, Rocks



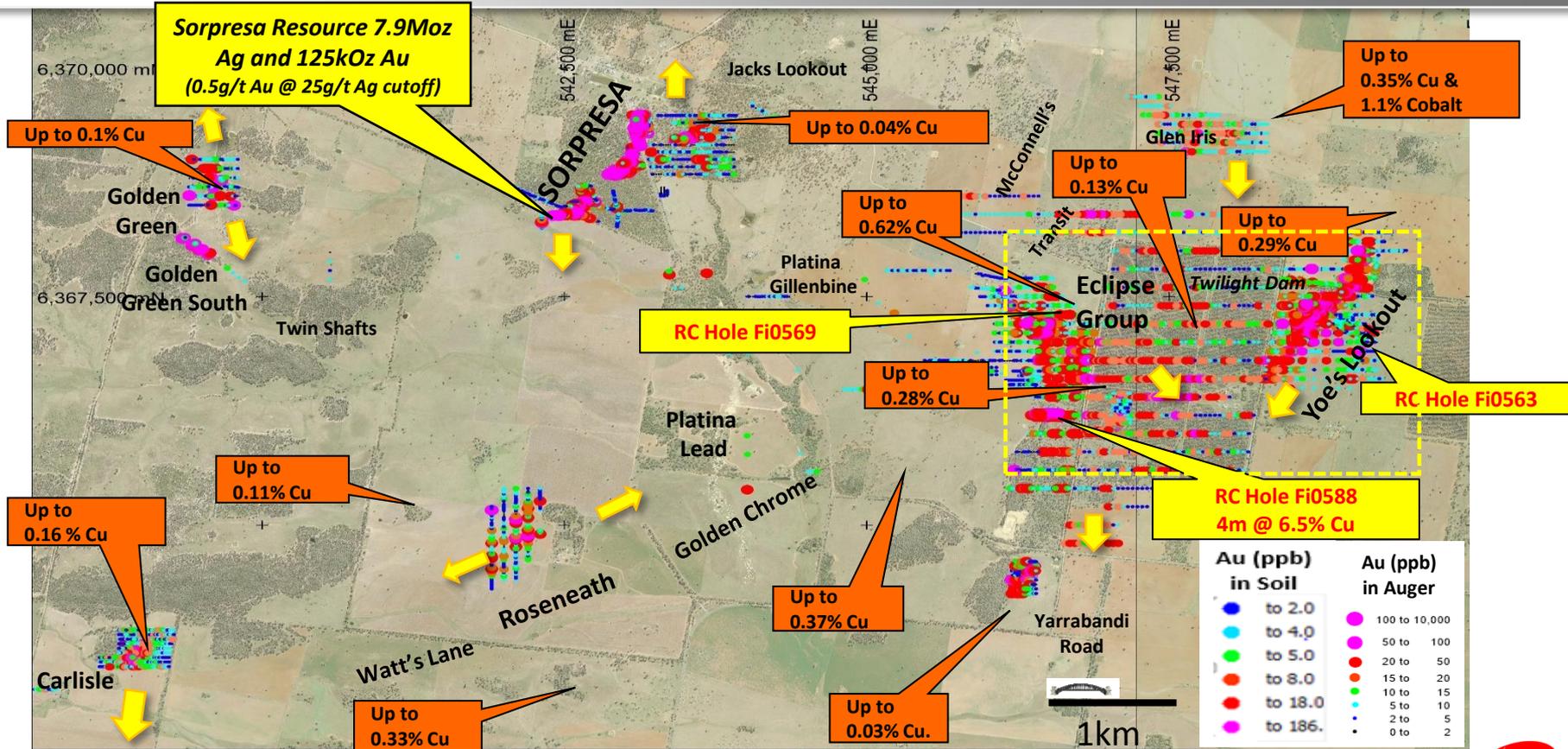


Regional Gold Footprint - Rock Chips Shown



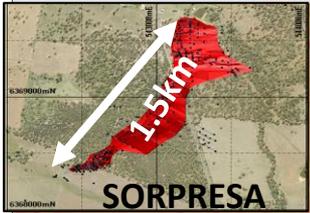
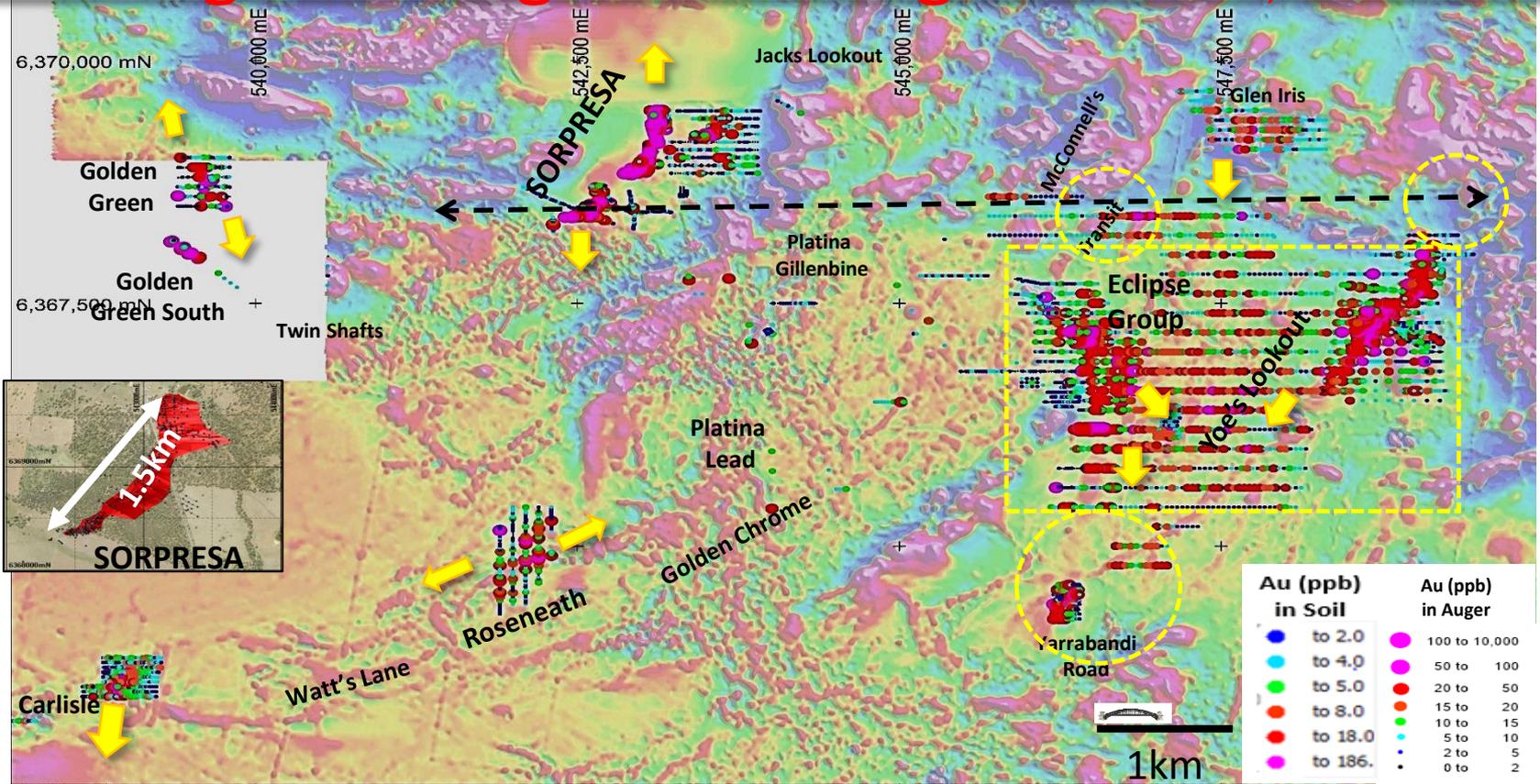


Regional Exploration - Copper Rockchips on Gold



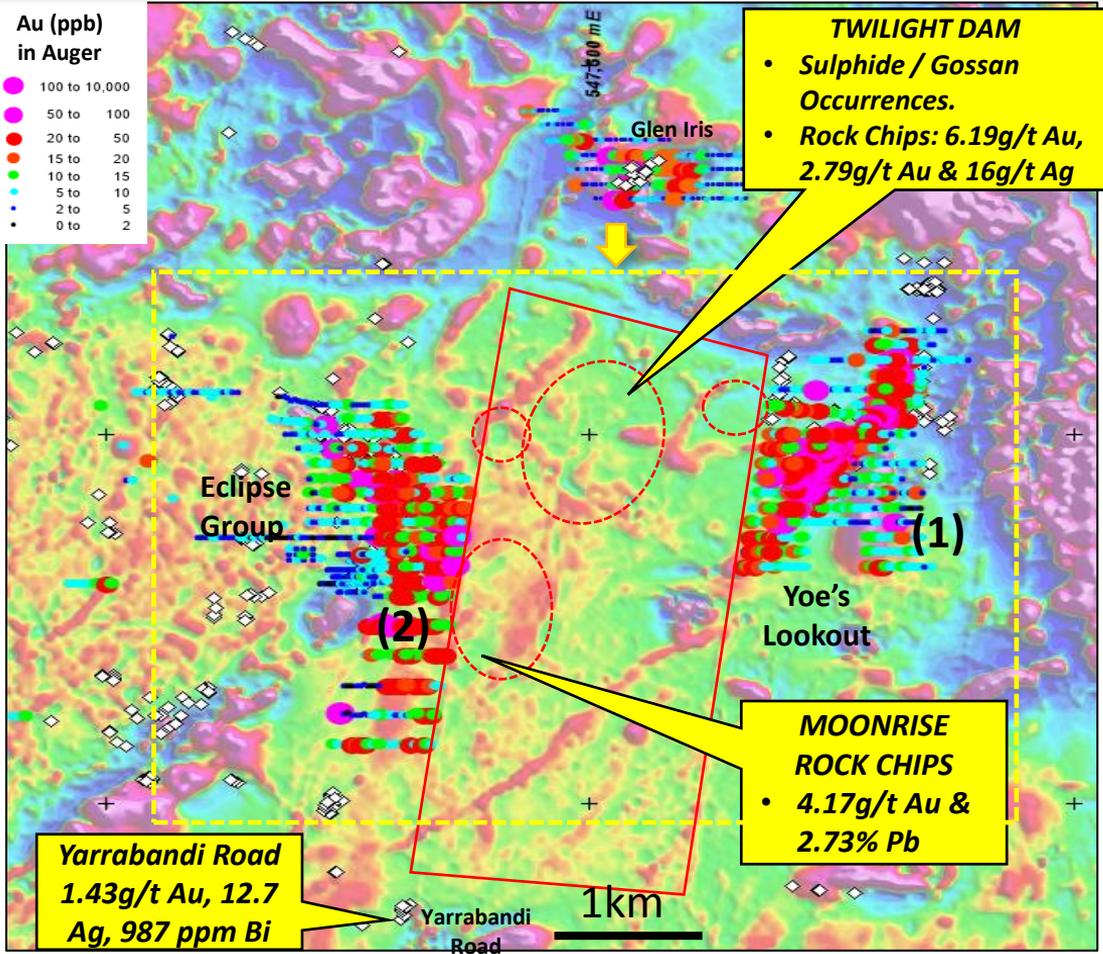


Regional Magnetics - Auger & Soils, Gold

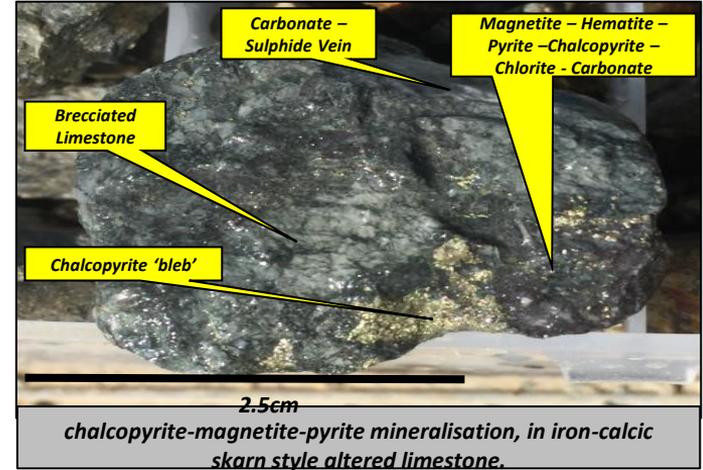




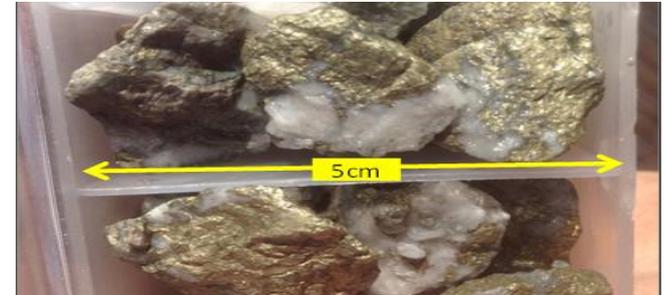
Eclipse - CO² - Yoes Area Gold and Copper



(1) Copper at Yoes - RC Chips hole Fi 0559



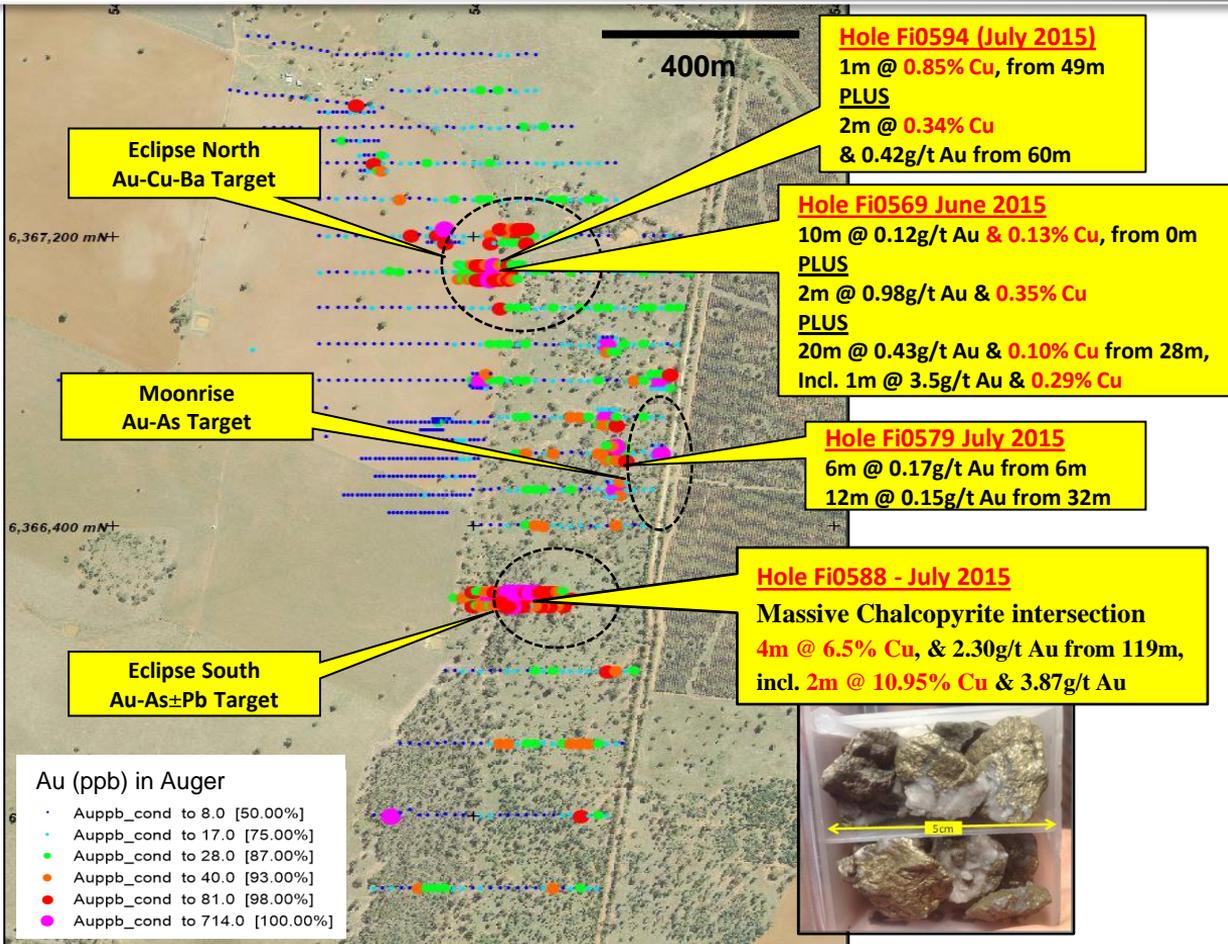
(2) Copper at Eclipse Sth - RC Chips hole Fi 0588



Massive Chalcopyrite intersection
4m @ 6.5% Cu, from 119m, incl. 2m @ 10.95% Cu

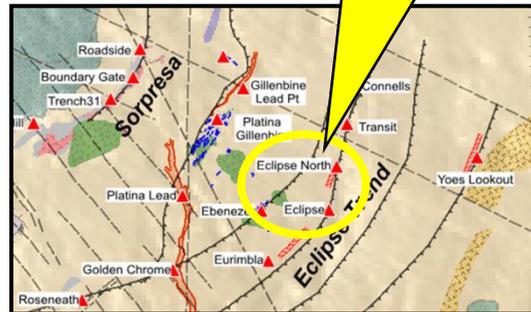


Eclipse Copper Focus-2015



- ❑ > 3.0km open auger anomaly Au & polymetallic, @ 20ppb Au up to 0.7g/t Au
- ❑ Rock Chips 18.7g/t, 2.4g/t Au, 21g/t Ag, 0.62% Cu
- ❑ Significant Prospect
 - scale, zonation, grade, polymetallic, deposit type
- ❑ RC Drilling geology interp. needed

Eclipse 3.5km East





Eclipse Trend RC Drilling 2015

- ❑ Completed 2,200m **first pass RC drilling** & follow up 2,000m
- ❑ Majority were shallow holes to date (60~80m) in first round (21/25 holes)
- ❑ Copper and Gold Anomalous, most holes – need interpretation context
- ❑ Massive Chalcopyrite (Cu), Fi 588 in Eclipse South
 - ❑ **4m @ 6.5% Cu ; 2.30g/t Au; 10g/t Ag, from 119m, Incl. 2m @ 10.95% Cu; 3.87g/t Au; 16.6g/t Ag**
 - ❑ No real surface expression for Cu here, but Au & As seen
 - ❑ Appears Structurally Controlled
- ❑ **4km² Area - Eclipse Trend to Yoes**
- ❑ Consider broader km scale Geophysics in EM/3DIP & Radiometrics/Magnetics
- ❑ Too early to ascribe geological models – more work needed
- ❑ **In parallel, district surface scoping** (soil; auger) to detect further anomalies
- ❑ Target tuning, more drilling (100~300m range) selected targets, possible DDH
- ❑ **Objective - a major opportunity for Copper-Gold discovery**



Why invest in Rimfire... Value Drivers

- ❑ **Fifield NSW District within LTZ – The Right Address for Discoveries**
 - ❑ *LTZ is already host to many existing Copper-Gold mines*
 - ❑ *Good infrastructure, road, power, skilled labour*

- ❑ **Fifield Under Explored - High Grades near surface - Greenfields**
 - ❑ Multi-commodity (Gold, Silver, Copper, Platinum)
 - ❑ *Multimillion Ounce gold equivalent potential*, in Multiple Deposit styles
 - ❑ *An established discovery Track Record – Sorpresa Gold and Silver Resource*

- ❑ **Portfolio Pyramid of more than 30 ranked prospects within 6km radius of Sorpresa**
 - ❑ *Mitigates risks* in exploration performance

- ❑ **Game Changers that can improve share price and shareholder value ...**
 - ❑ *Regional Prospect Pipeline growth* in Gold and Copper
 - ❑ *Establish Geophysical vectors (EM/IP etc.) on Copper in particular*
 - ❑ *Testing and expanding of Drill targets – discoveries add value*
 - ❑ *Sorpresa Resource Growth (less than 10% of geology tested)* – Inferred, Indicated, moving to **Measured**
 - ❑ *Economic assessment* for minable areas 2015~16 (Sorpresa, Platina Lead)
 - ❑ *JV opportunities* – under surveillance 5 CA's in place



Why invest in Rimfire...cont.

- ❑ 4km² area covering Eclipse, CO₂, Yoes has limited drilling
- ❑ High Grade intersections, keep us on the radar
- ❑ Countercyclical Strategy – Do more work in tough times
 - ❑ Stand out – use the low drilling costs
 - ❑ **80% In Ground Spend**
- ❑ Rimfire Bench Marked Superior to most Junior Peers
 - ❑ Market Capitalization is well positioned - Respectable financial position
 - ❑ Efficiency (lowest quartile for Administrative, Management and Board Costs)
 - ❑ Performance (discovery cost extremely low, and highly effective)
 - ❑ Discoveries near surface
- ❑ Rights Issue 1 for 7 @ 2.0 cents, plus free option @ 3.5 cents (May 2017), to raise \$2.126m
 - ❑ Directors and underwriters \$350k, opportunity for sophisticated investors

Proven Technology

“Discoveries are best made in the field not the office”



“Quality assets well managed with high growth potential” **rimfire**





Thankyou...please stay in touch with the story



[ASX Code "RIM"](#)

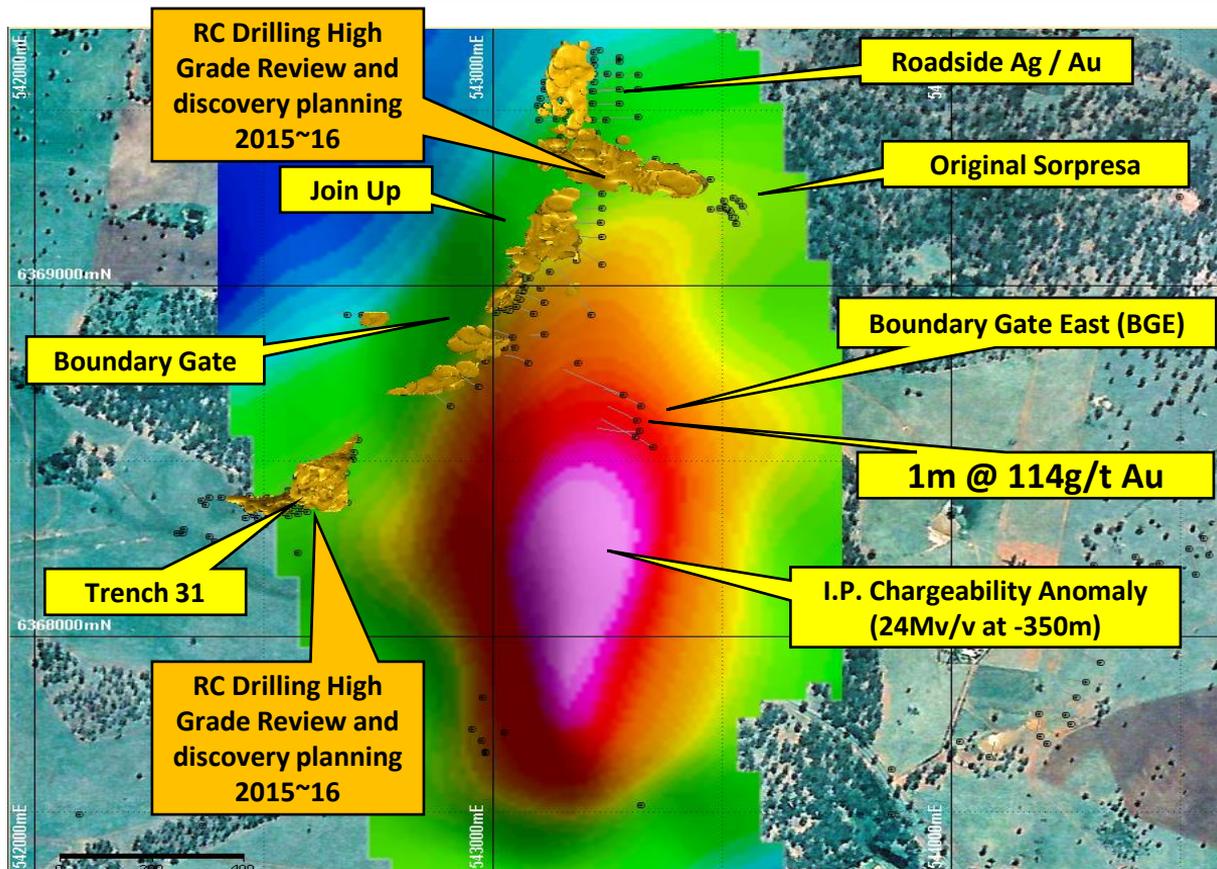
www.rimfire.com.au

rimfire@rimfire.com.au

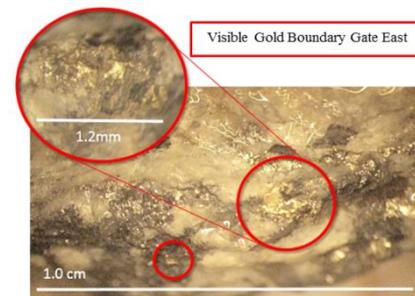
Ph+613 9620 5866



Appendix Sorpresa – Gold and Silver Resource



- ❑ Excellent correlation of Mineralisation to Gravity
- ❑ Less than 10% of available geology tested (>4km²)
- ❑ Potential extensions and repeats under shallow cover
- ❑ Pursue High Grade lenses
- ❑ Examine economic case
- ❑ I.P. chargeability – to resolve



Implicit Model showing Au only (at June 2014) and is an interpretive exploration model imaging Au > 0.2g/t





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





Sorpresa - Preliminary 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

✓ Very Good Metallurgical recoveries (additional testing completed Oct 2015)



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



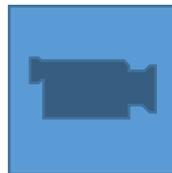
Appendix – Additional Benchmark Study

- Full study available at Rimfire website 14th Nov 2014 – [Exploration Industry Presentation AGM Nov 2014](#)
[Mr Richard Schodde](#)
- Slide on Industry discovery trends attached
- Slide on market capitalisation rankings – Junior companies attached

[Trench 31 Discovery 2010 Video](#)



[Sorpresa 3D Model 2014 Gold Video](#)





Appendix – Project Summaries

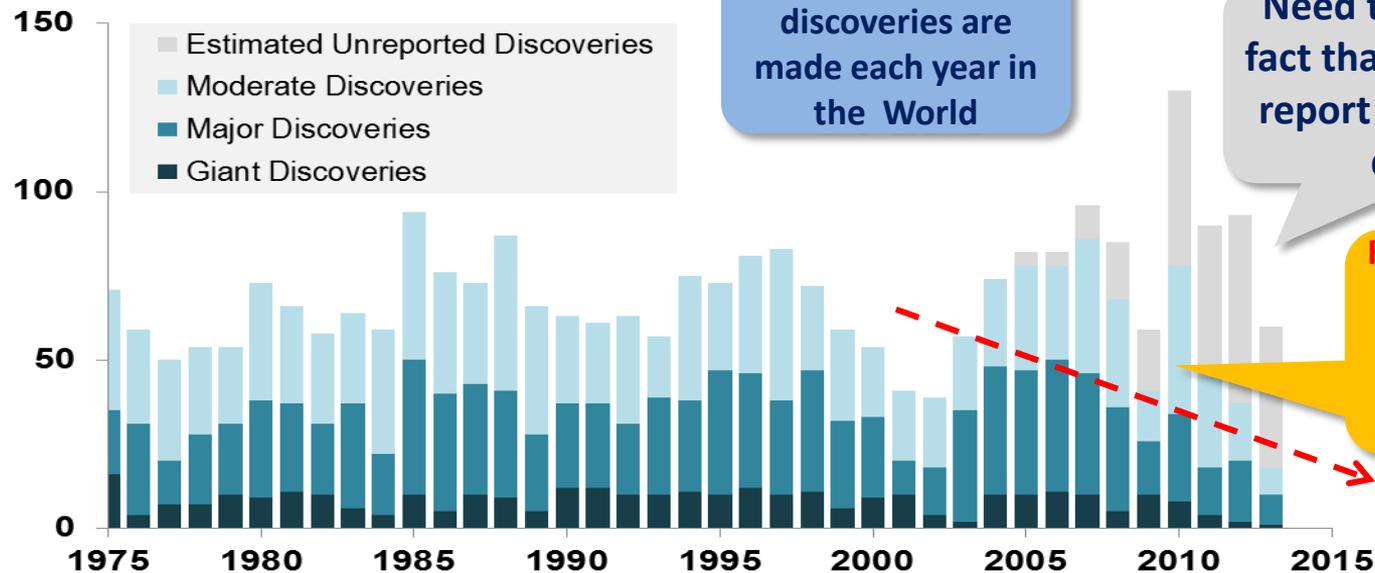
Project Name or Type	Metals	Current or target	Comments
Sorpresa	Au, Ag	250,000 oz Au eq	Resource & can grow
Platina-Gillenbine ¹	Pt	0.8 ~ 1.0M oz target	Bulk sampling proof of concept
Regional Portfolio ² > 30	Au, Cu	Multi Million Ounce	Target Discovery Potential
Platina Paleo Channel ³	Pt	20~50,000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

Number of significant discoveries made

Non-Bulk discoveries **World: 1975-2013**

Number of Discoveries

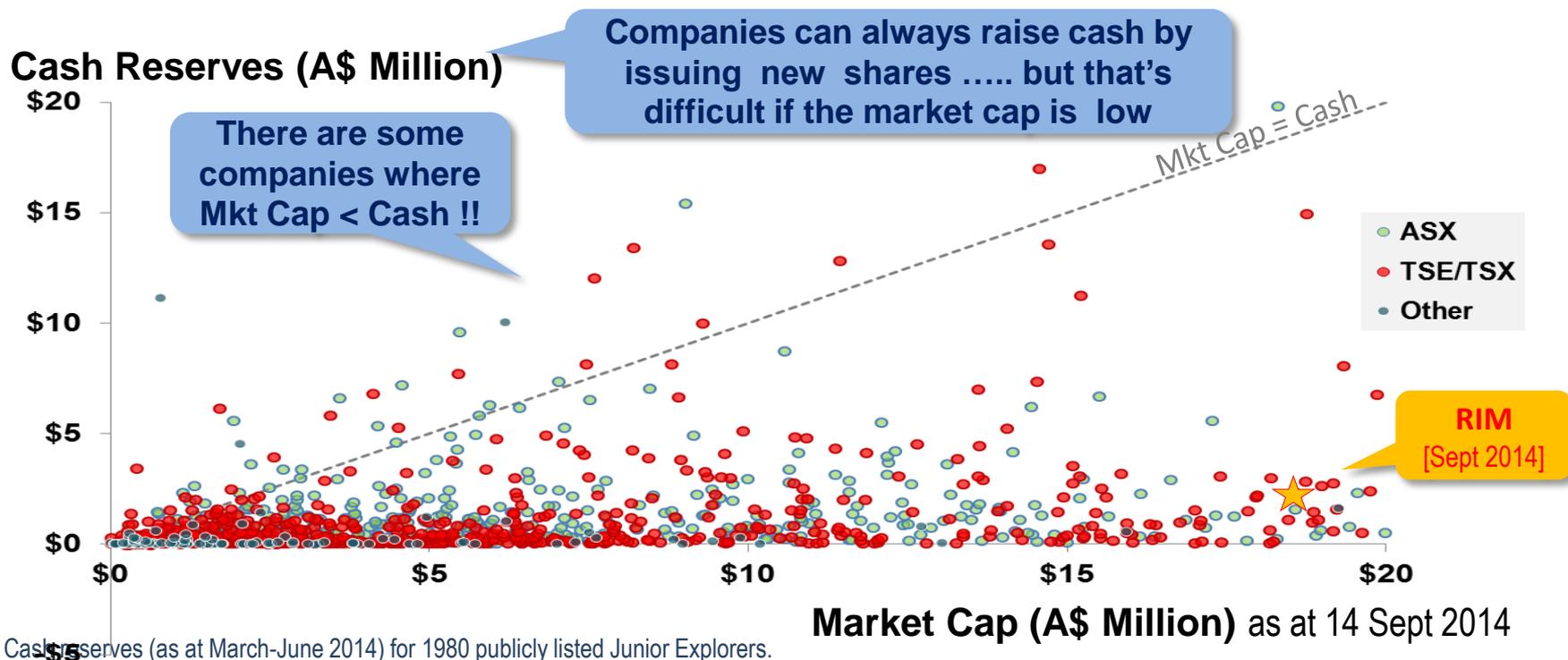


Giant >6 Moz Au, >125 kt U₃O₈, >1 Mt Ni, >5 Mt Cu equiv
 Major >1 Moz Au, >25 kt U₃O₈, > 100 kt Ni, >1 Mt Cu equiv
 Moderate >0.1 Moz Au, >5 kt U₃O₈, >10 kt Ni, >0.1 Mt Cu-equiv

Note: Excludes satellite deposits within existing Camps. Also excludes Bulk Mineral discoveries.

Source: MinEx Consulting © September 2014

The lack of cash is of main concern to those junior companies with low market caps



Note: Cash reserves (as at March-June 2014) for 1980 publicly listed Junior Explorers.
Excludes companies with annual revenues >A\$1m.
Based on ExRate of A\$1.00 = C\$1.00 = US\$0.90

Source: MinEx Consulting © September 2014