

rimfire pacific mining nl

(ASX "RIM")

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



Chalcopyrite Rimfire RC drilling

Gold and Platinum from Rimfire work



John Kaminsky
CEO & Managing Director

NSW Resources and Energy Investment Conference
27th & 28th July 2015



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 Update

Recent History, Strategy, Vision

Fifield Regional Context and Sorpresa Resource

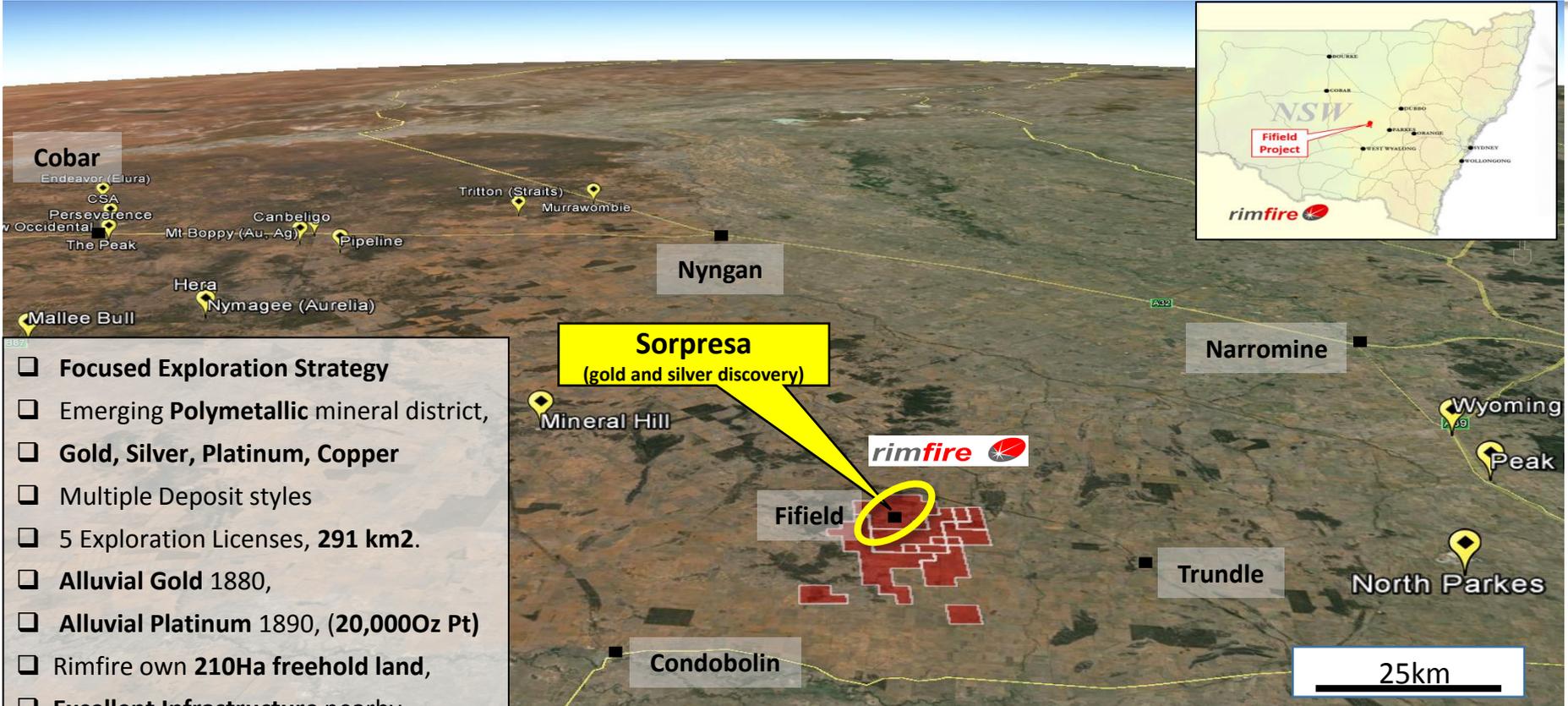
Emerging Copper Footprint

“Eclipse Trend” Copper

Summary Position



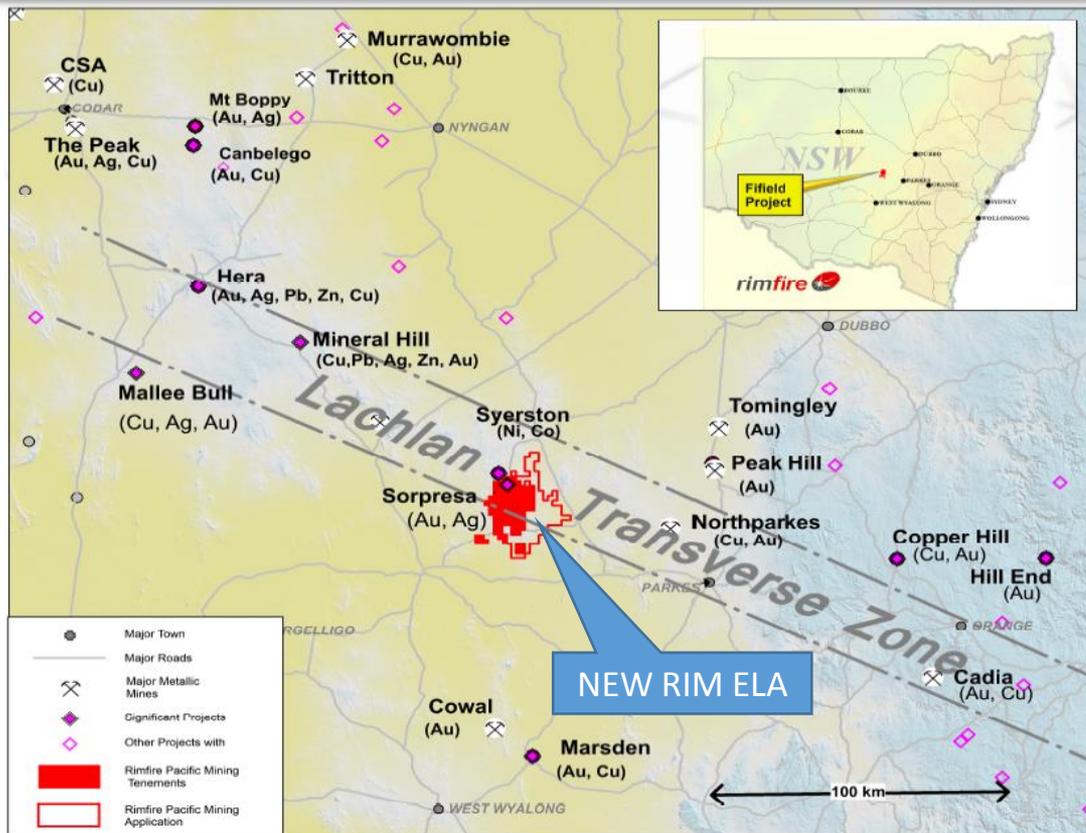
Project Focus – Fifield NSW



- Focused Exploration Strategy
- Emerging Polymetallic mineral district,
- Gold, Silver, Platinum, Copper
- Multiple Deposit styles
- 5 Exploration Licenses, 291 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

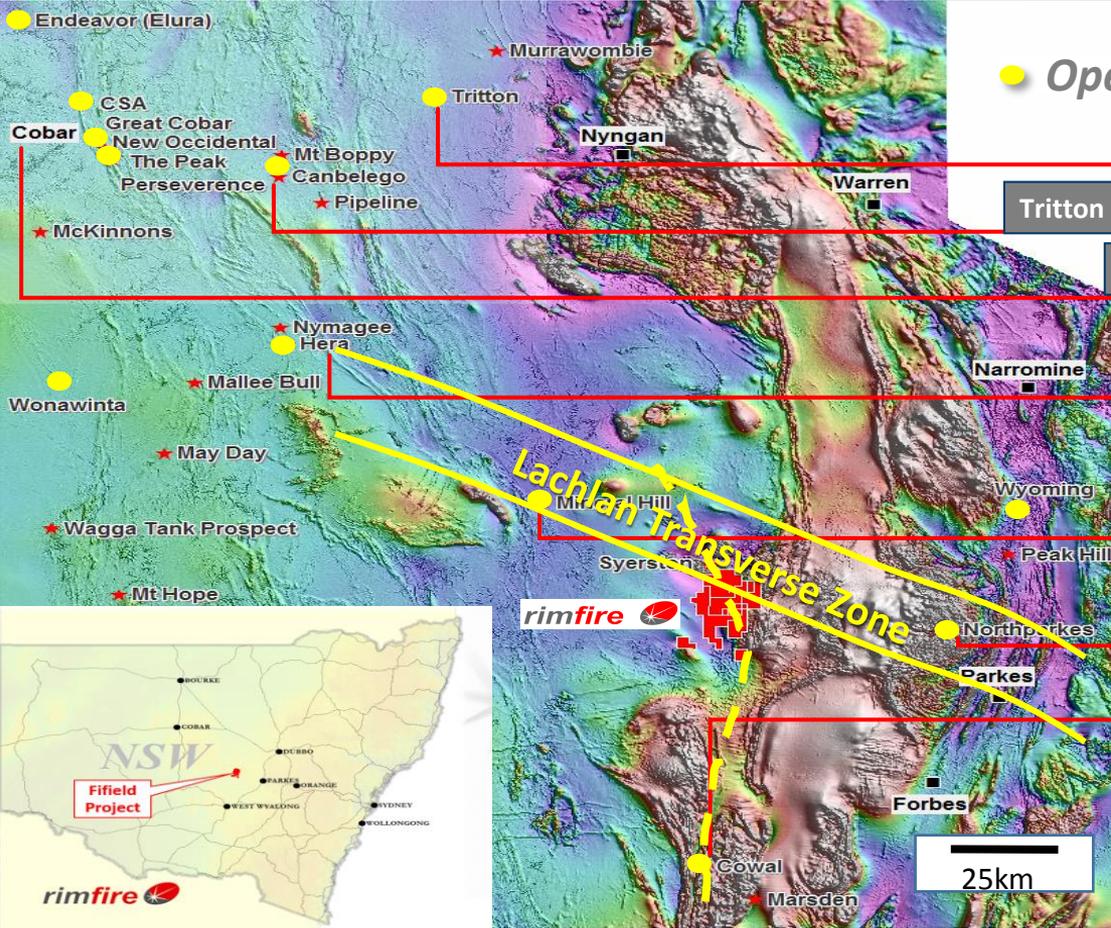


- LTZ Corridor of Faults
- Copper emerging on East margin
 - Eclipse and Yoes areas
- Expanded Tenement position (200km²)



Project Focus - East Lachlan Fold Belt

Operating Mines



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





Company Profile – 23rd July 2015

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

Market Cap. Approx. \$18.6M @2.5cents

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

- 12 month approx. 242,000 shares/day
- Largest 1.8m shares/day; recent 23M plus day!

Shareholder Profile – 2000 plus shareholders

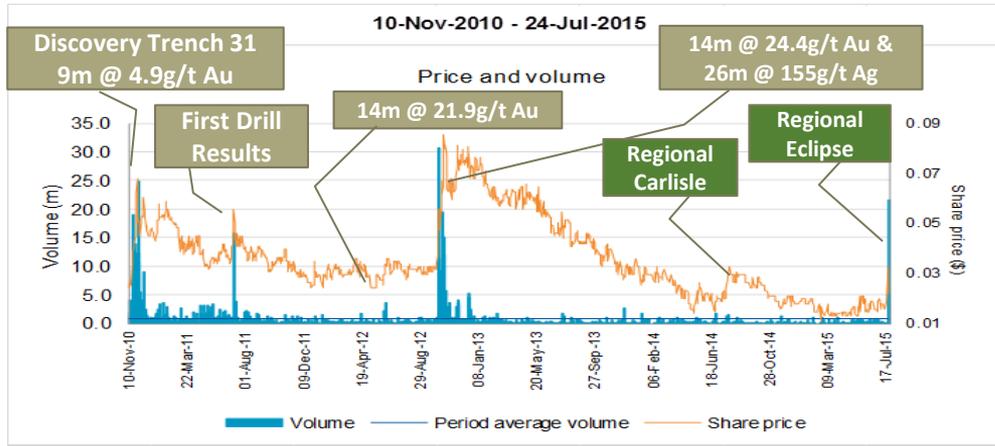
- Board & Management 8%
- Top 20 Holders 34%
- Top 100 Holders 64% (cut-off 1.32M shares)

Cash Status 30th June 2015

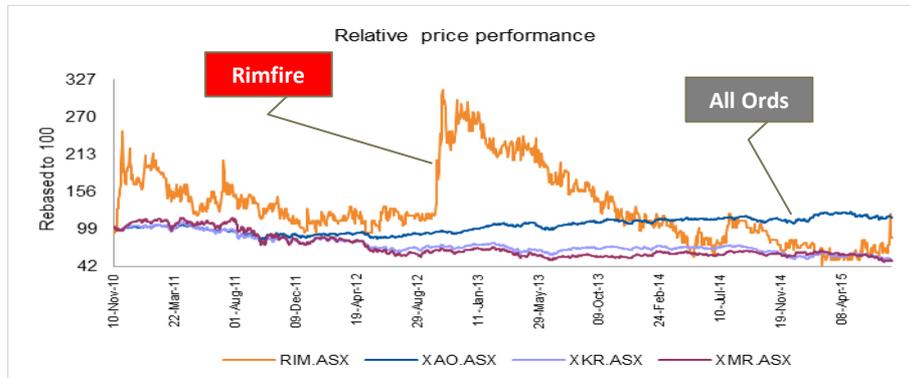
- \$1.3m
- **Plus** \$0.175m NSW drilling funds (\$ for \$ draw down), **Plus** Upto \$0.750m R&D anticipate Oct~Nov
- Approx. 80% in ground spend



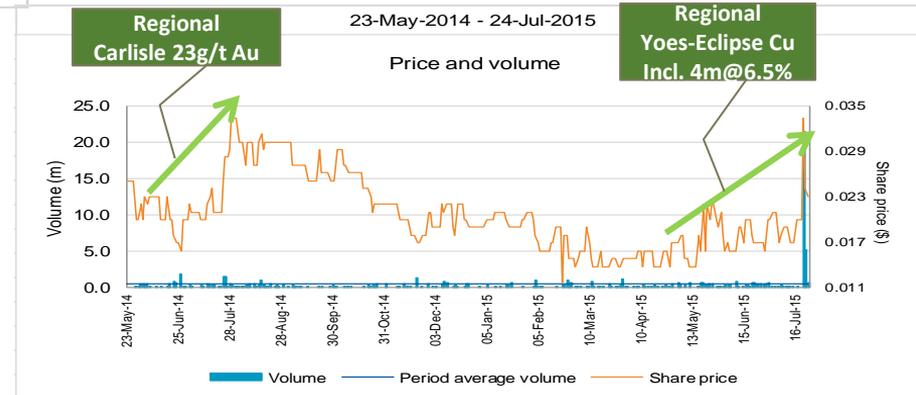
ASX:RIM Share Price Performance to July 2015



- ❑ Exploration Sector major correction
- ❑ Risk capital was on the sidelines
- ❑ Liquidity and value decline, now improved
- ❑ Gold and Silver Price bottomed (?)
- ❑ RIM above average to indices over 4.5 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 Fijfield 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
 - ❑ Fijfield the only Platinum mined area in Australia – Rimfire has this area

- ❑ *In 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 was substantial with the following:*
 - ❑ **Sorpresa JORC Resource declared** in Dec 2014. approx. 250,000oz Au equiv. (50:50 Au:Ag)
 - ❑ **5 Advanced Regional Prospects within 6km radius of Sorpresa**, drilling , Carlisle, Yoes, Eclipse

- ❑ *Work programs will use existing and new funds to:*
 - ❑ **Enhance Sorpresa** (The Gap, South 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 sought**





Company Vision and Strategy

- ❑ *Maintain an Overall “Prospect Portfolio” Exploration strategy at Fifield*
 - ❑ Regional Prospects 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*
 - ❑ 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

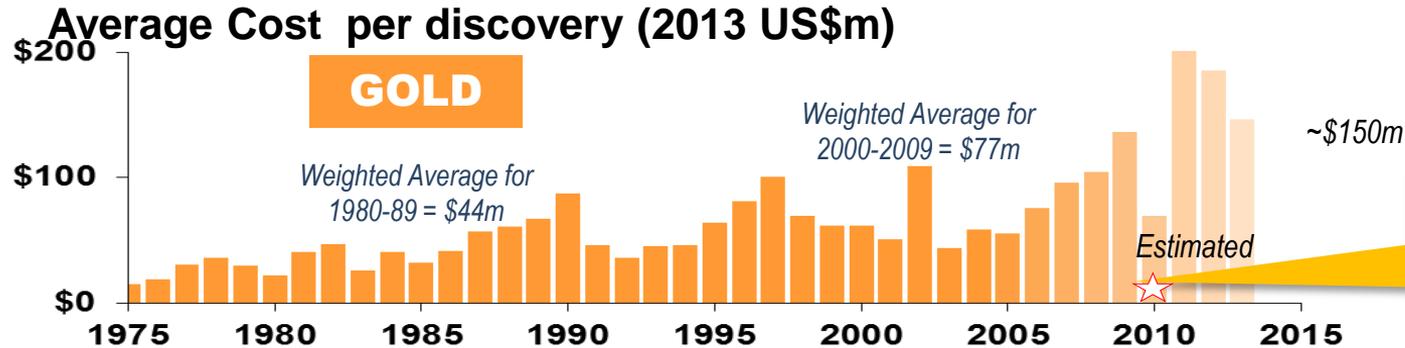
- ❑ *Continue Resource growth at Sorpresa – Examine Commercial context*
 - ❑ The Gap, South and East
 - ❑ Inferred, Indicated established , with Measured category in 2015
 - ❑ Look to preliminary commercial understanding in 2015 – focus on higher grade lenses

- ❑ *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**



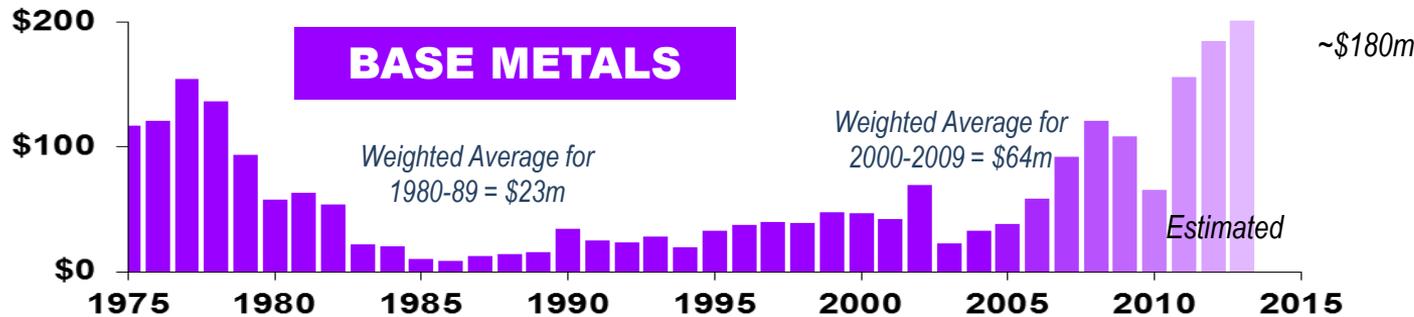
Discovery costs are rising

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



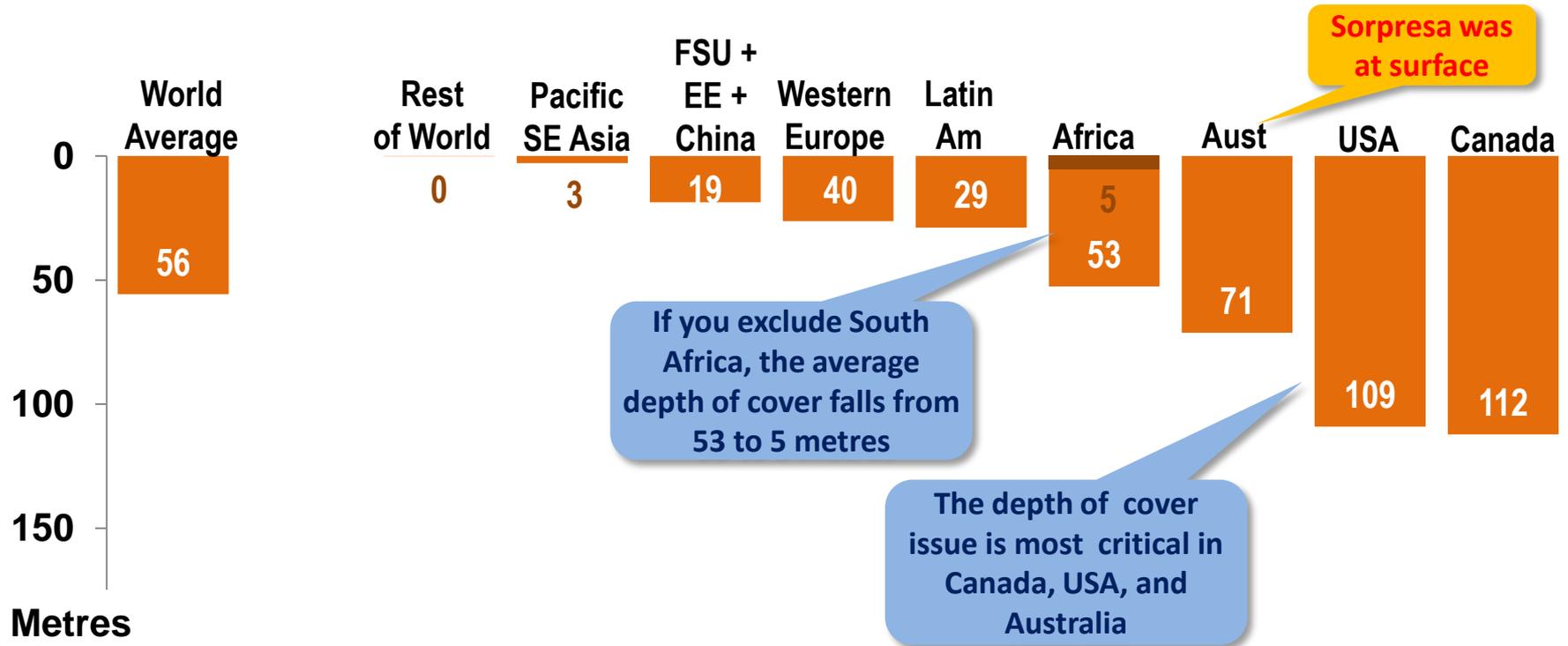
Exploration is a high-risk/high-reward activity

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



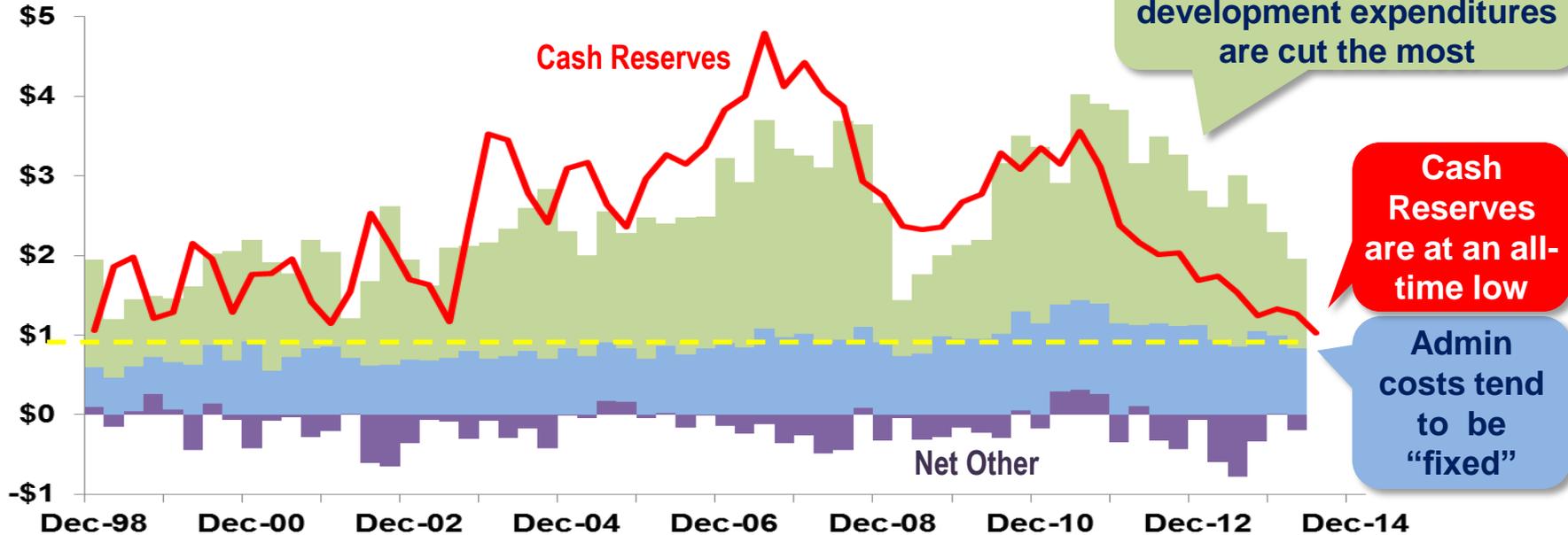
Note: Based on 267 Moderate-, Major- and Giant-sized deposits

Source: MinEx Consulting © September 2014

Cash Reserves and Expenditures have dropped dramatically

MEDIAN Australian Junior Exploration Company : 1998-June 2014

2013 A\$ Million pa

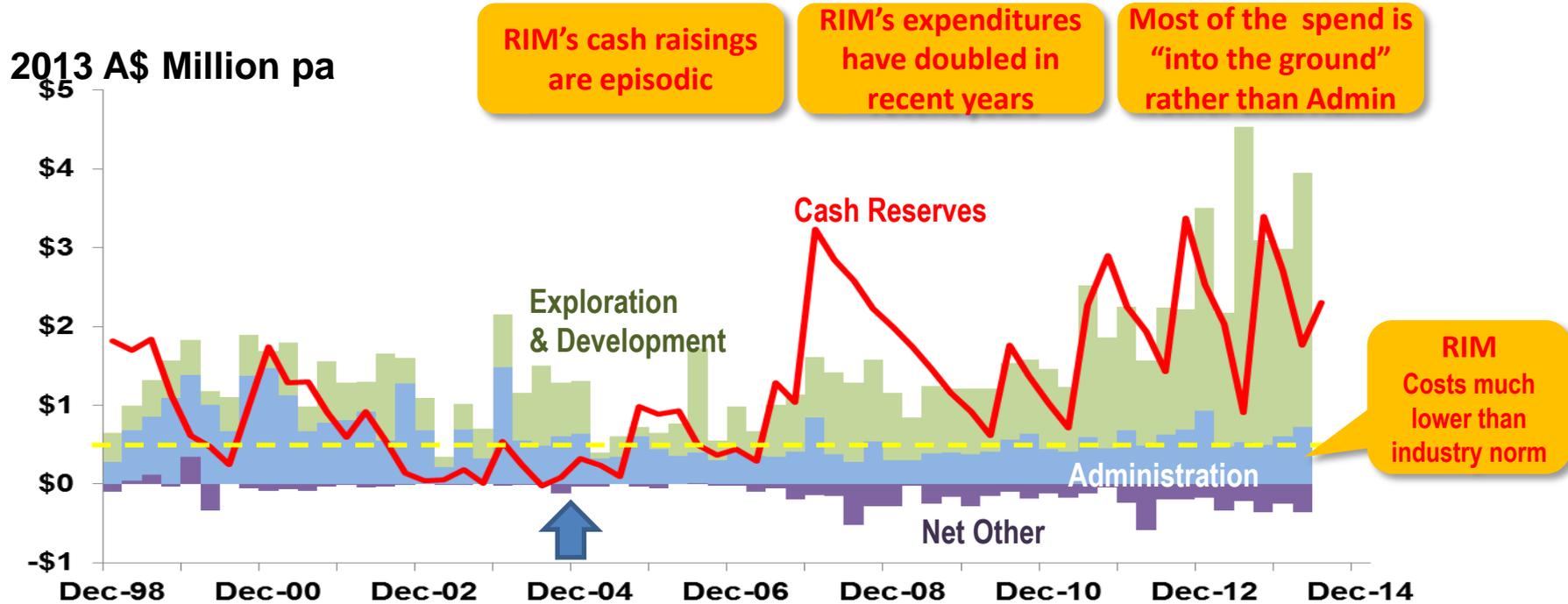


Note: Survey based on a **sample of 125 junior exploration companies listed on the ASX** between 1998-2014
“Net Other” includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
Quarterly spend data has been multiplied by 4x to produce an annualised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

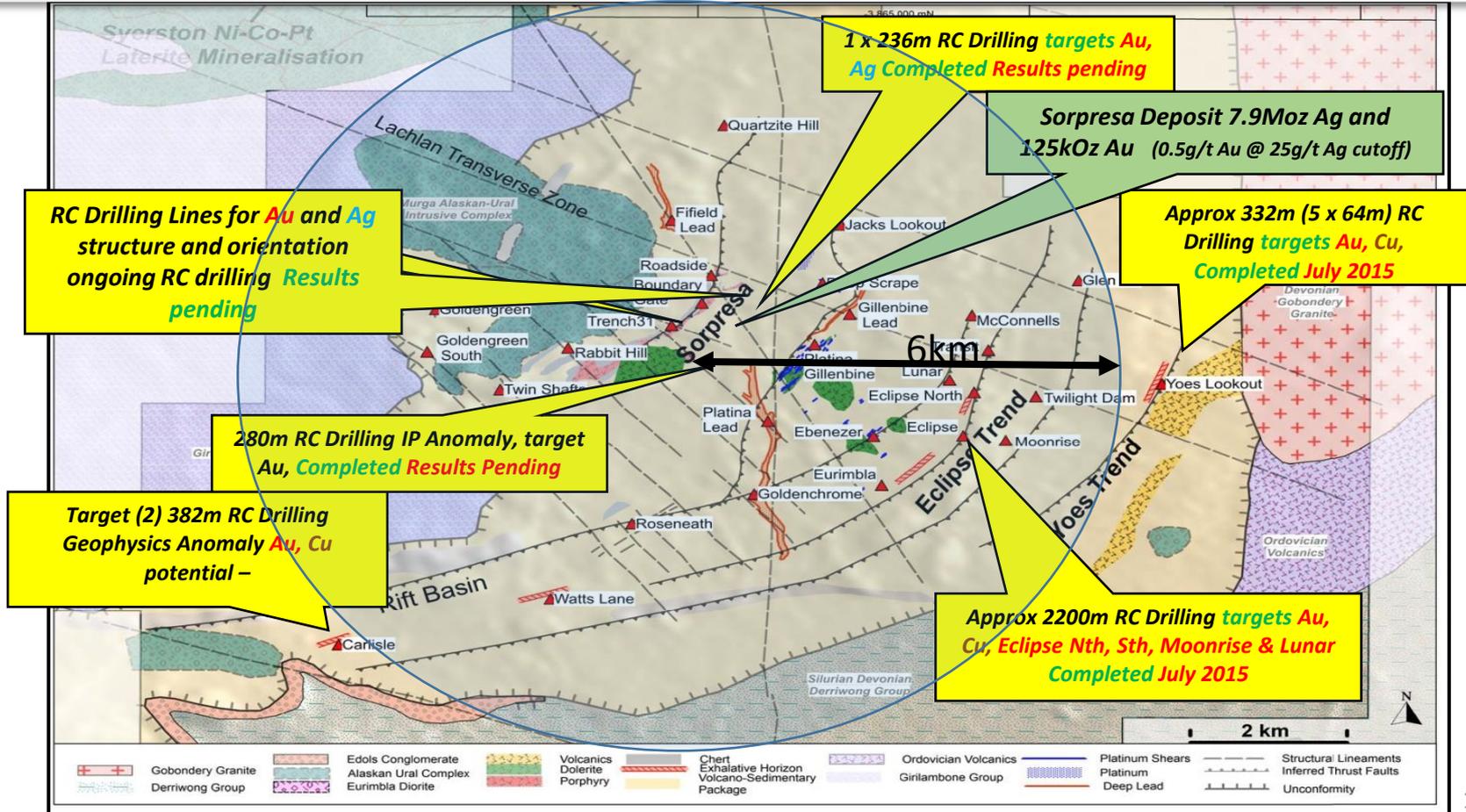


Note: "Net Other" includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
 Quarterly spend data has been multiplied by 4x to produce an annualised spend rate

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

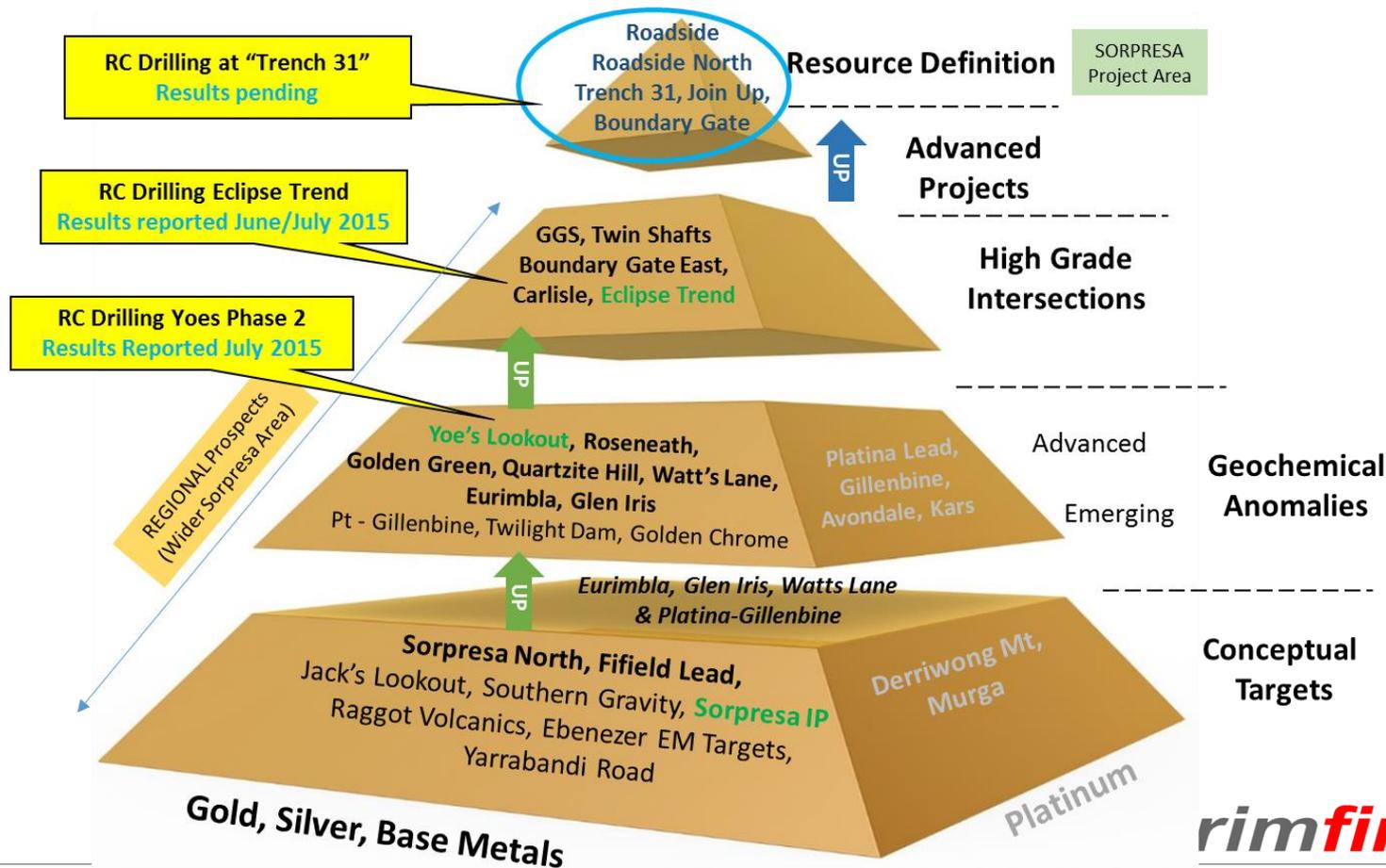


Regional Exploration - Delivery





Prospect Pipeline - July 2015 - Ranking





Advanced Regional prospects

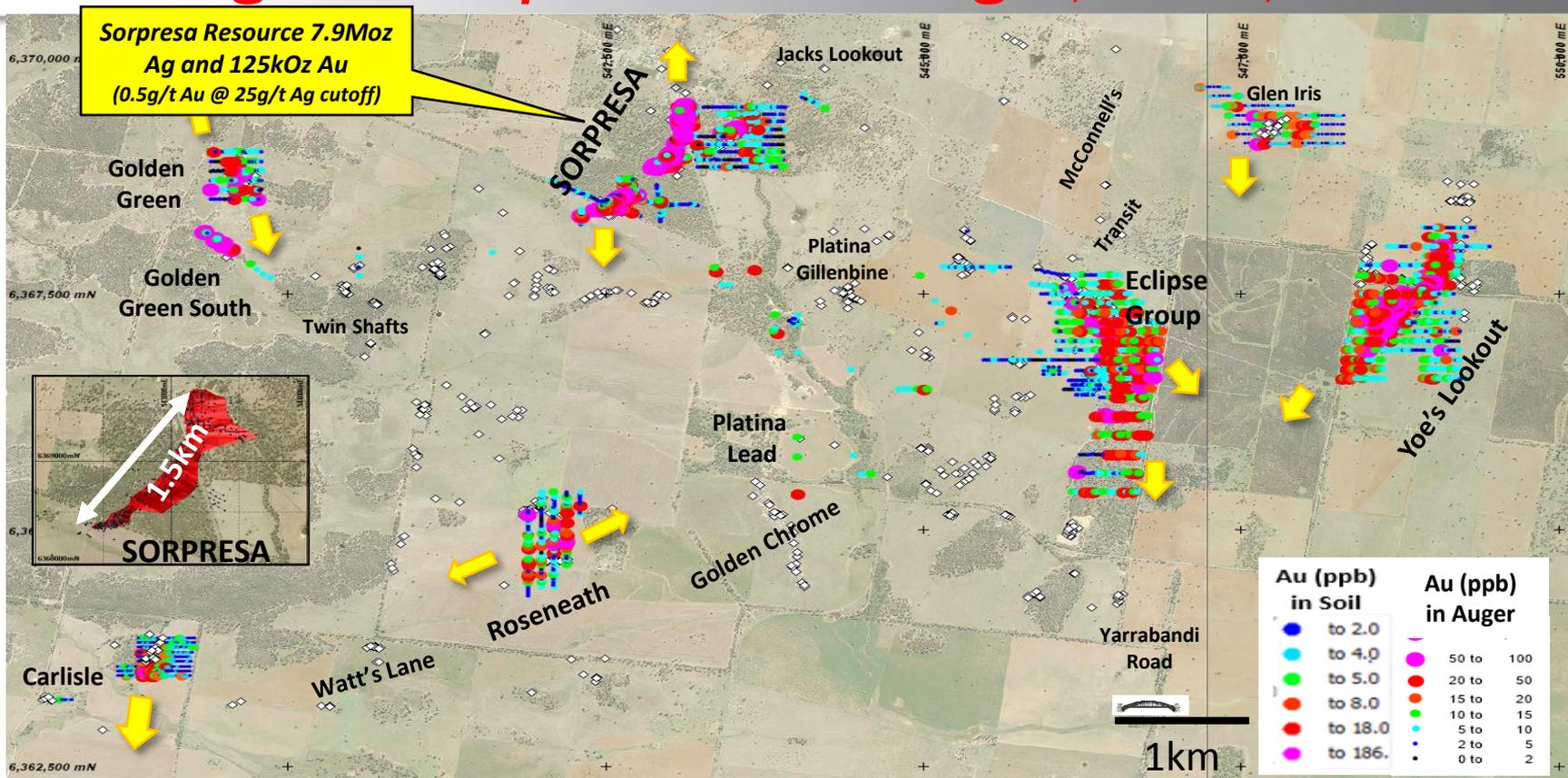
Table of Comparison of more Advanced Prospects within 6km Radius of Sorpresa Projects

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 Feature, Cu	No
Eclipse Trend	18.7	N/A	20~700	2.2km	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

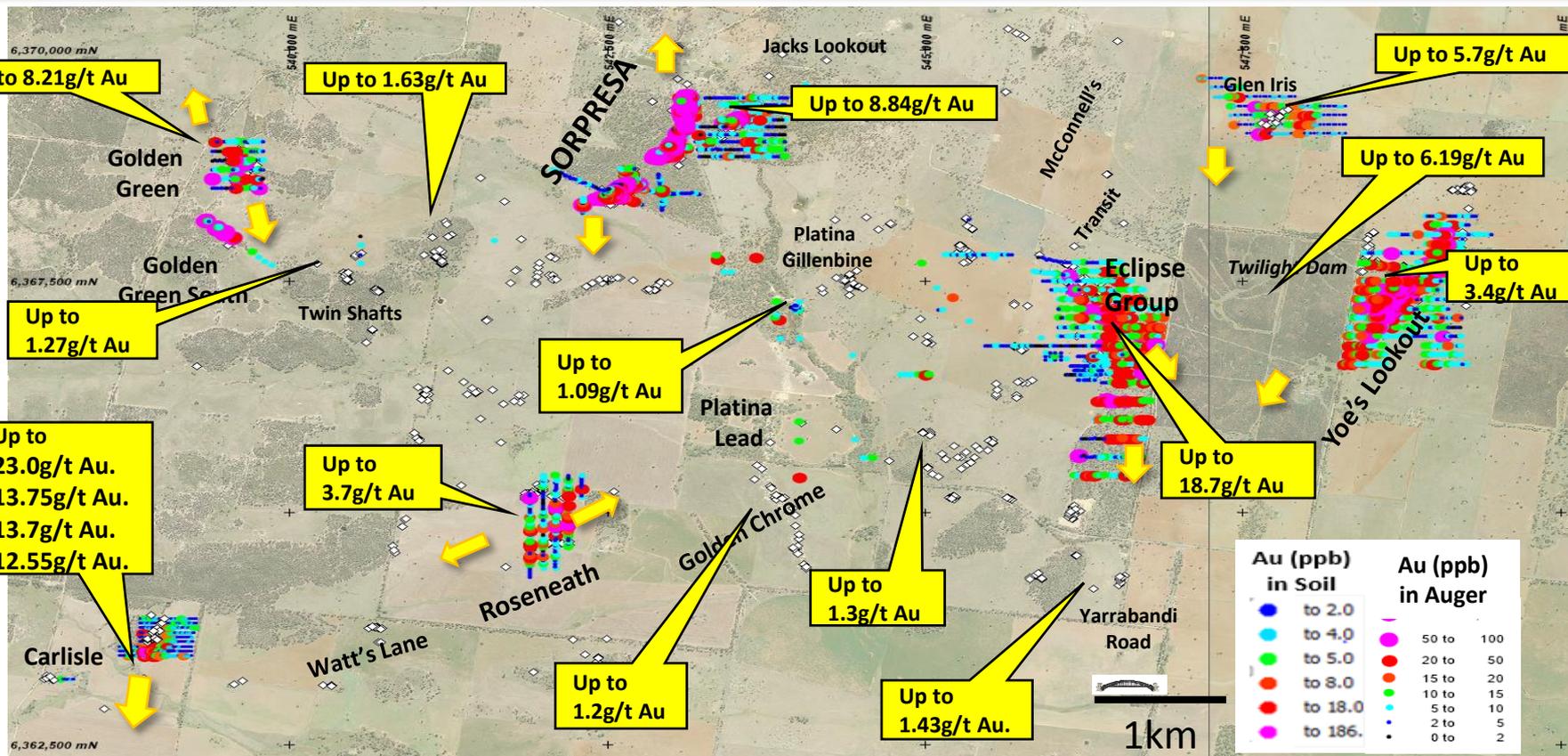


Regional Exploration - Auger, Soils, Rocks



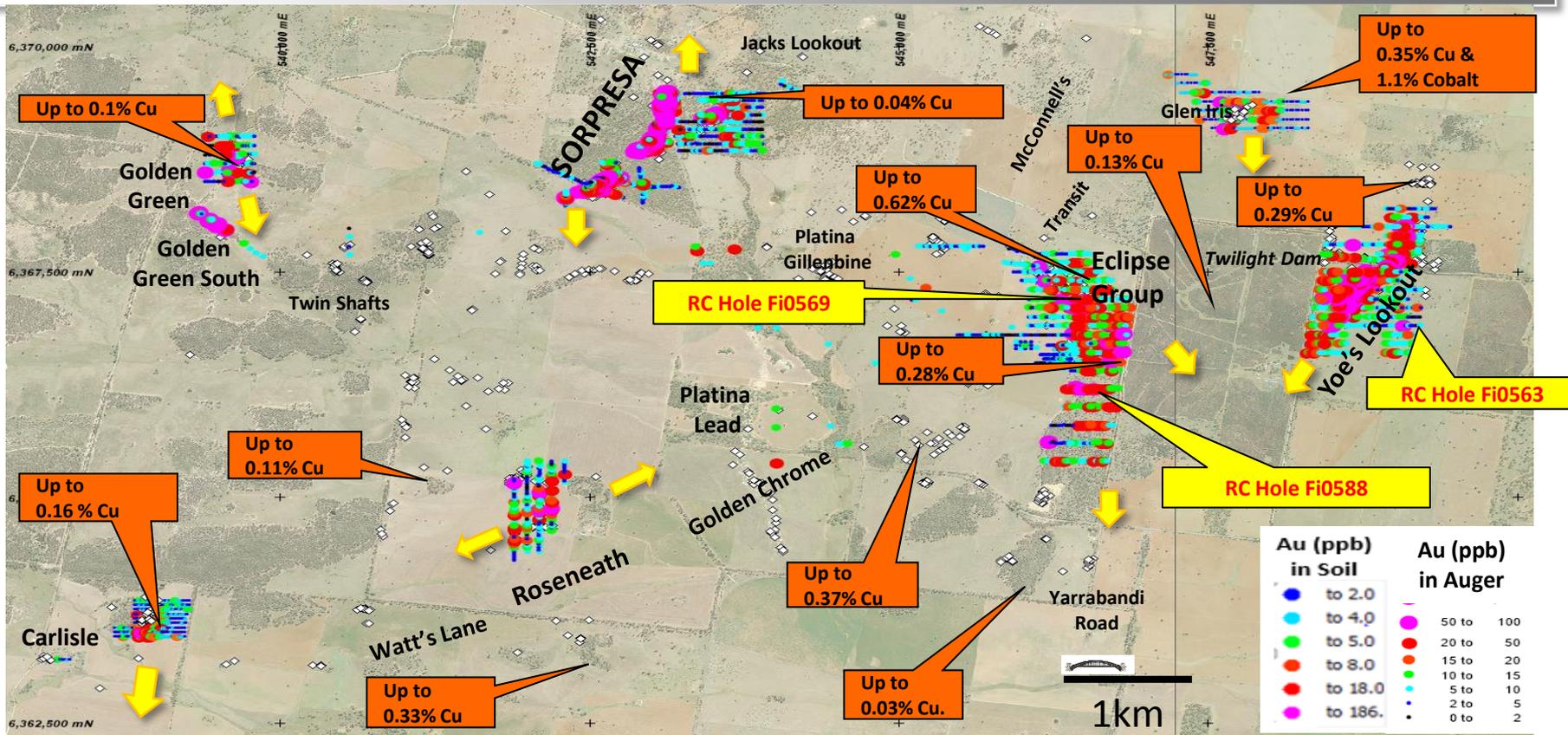


Regional Gold Footprint - Rock Chips Only





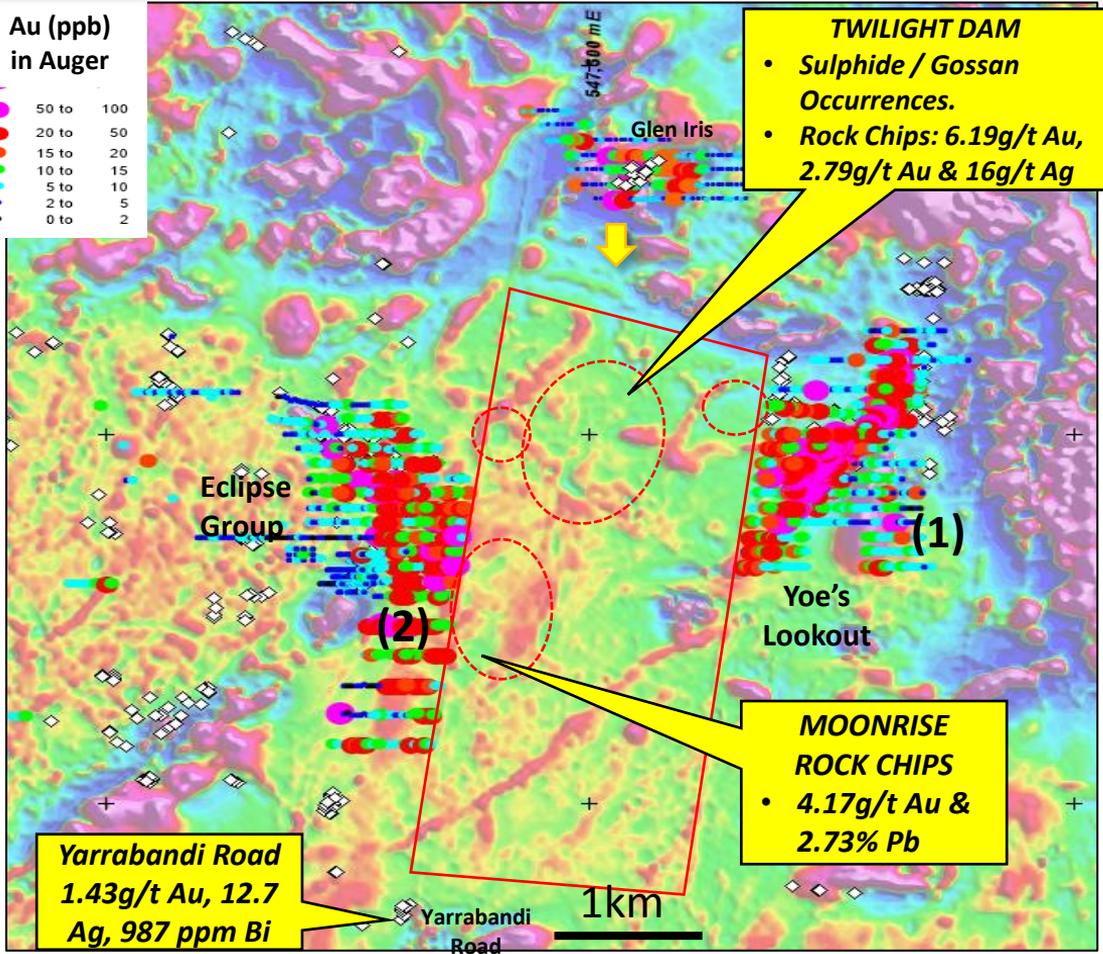
Regional Exploration - Copper Rockchips Only





Eclipse - CO² - Yoes Area Gold and Copper

Au (ppb)
in Auger



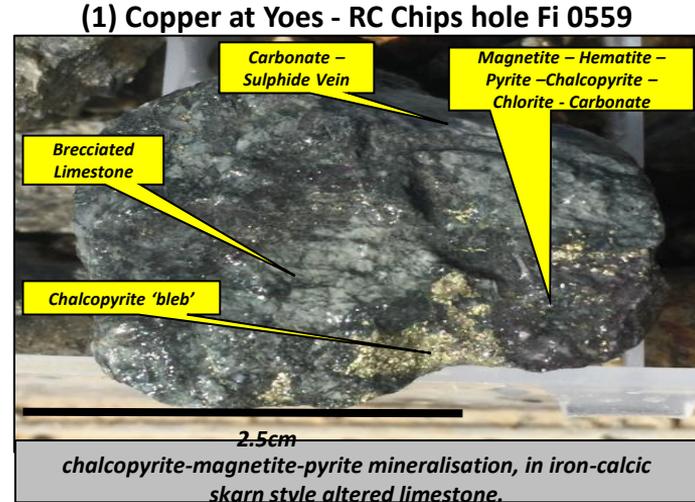
TWILIGHT DAM

- Sulphide / Gossan Occurrences.
- Rock Chips: 6.19g/t Au, 2.79g/t Au & 16g/t Ag

MOONRISE ROCK CHIPS

- 4.17g/t Au & 2.73% Pb

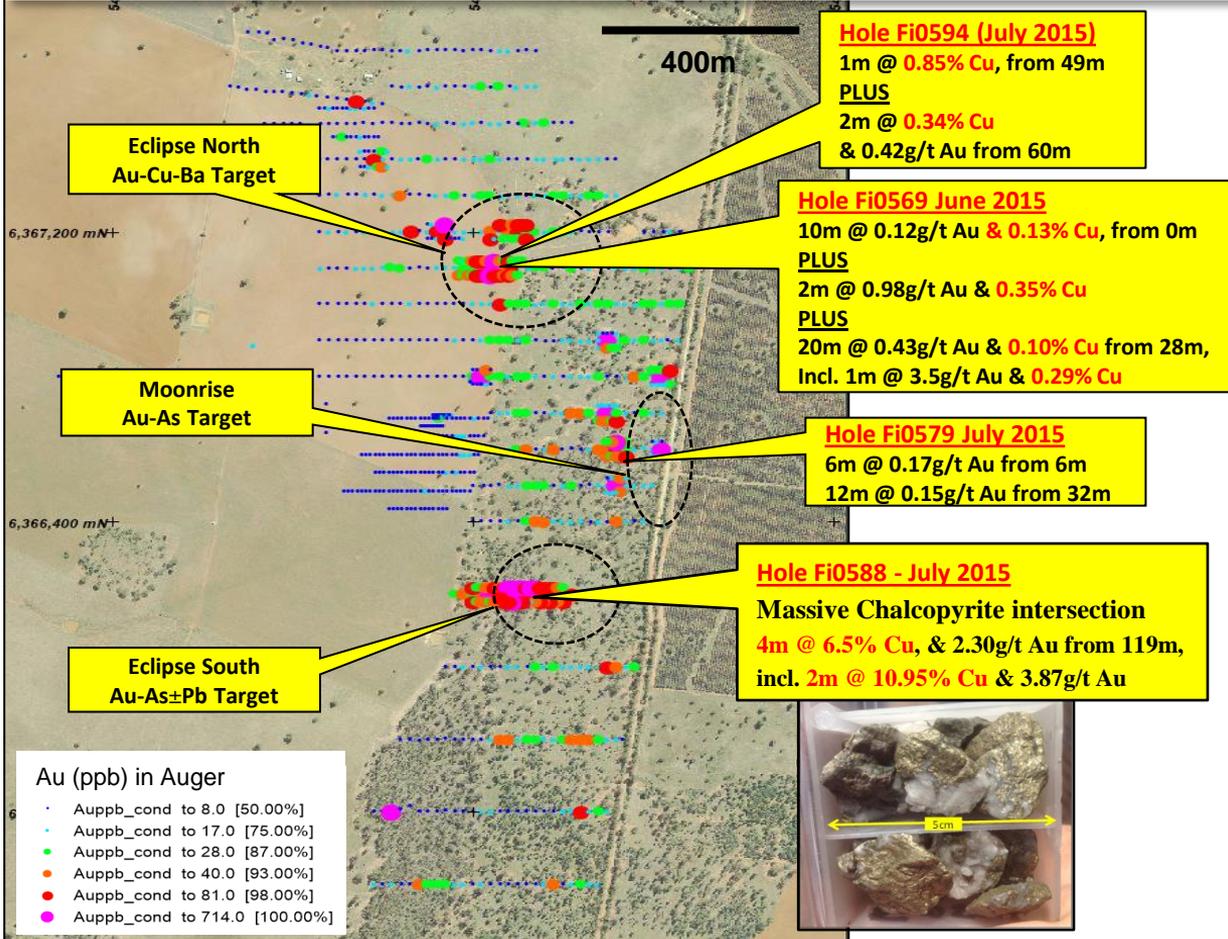
Yarrabandi Road
1.43g/t Au, 12.7 Ag, 987 ppm Bi



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

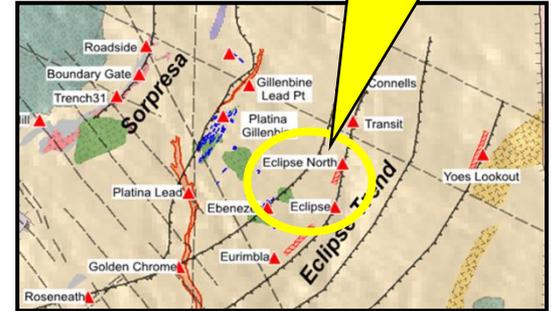


Eclipse RC Drilling Status – July 2015



- > 2.2km 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 Drill 2200m, first pass done

Eclipse 3.5km East





Eclipse Trend RC Drilling Status – July 2015

- ❑ Completed 2,200m **first pass RC drilling** at Eclipse Trend
- ❑ **Majority Shallow Holes to date** (60~80m; 21/25 holes)
- ❑ Copper and Gold Anomalous, most holes
- ❑ 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
- ❑ **Next Stages Down Hole EM Geophysics – Commences this week**
 - ❑ Looking to characterise Cu mineralisation
- ❑ **4km² Area - Eclipse Trend to Yoes**
- ❑ Consider broader km scale Geophysics in EM/3DIP
- ❑ Too early to ascribe geological models – more work needed (petrology etc.)
- ❑ **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 District – The Right Address for Discoveries**
 - ❑ **Crustal Scale Structural Intersections**, great geological context
 - ❑ **Multi-commodity** (Gold, Silver, Copper, Platinum)
 - ❑ Multiple Deposit styles, **Multimillion Ounce gold equivalent potential**
 - ❑ **Large Scale Mineralization Footprint 6km radius of Sorpresa**
 - ❑ **Good infrastructure**, road, power, skilled labour

- ❑ **Under Explored & Underestimated - High Grades at Grass Roots**
 - ❑ Outcropping gossans and high grade gold rock chips, copper
 - ❑ Systematic and staged exploration on multiple fronts is delivering results – *Track Record*

- ❑ **Portfolio Pyramid of more than 30 prospects**
 - ❑ Mitigates risks in exploration performance

- ❑ **Game Changers that can improve share price and shareholder value ...**
 - ❑ **Regional Prospect Pipeline growth** in Gold and Copper, “high order anomalies”
 - ❑ **Establish Geophysical vectors (EM/IP etc.) on Copper in particular**
 - ❑ Testing and expanding of Drill targets, *more Discoveries will add value*
 - ❑ **Sorpresa Resource Growth** – Inferred, Indicated, moving to **Measured**
 - ❑ **Economic assessment** for minable areas 2015 (Sorpresa, Platina Lead)
 - ❑ **JV opportunities** – under surveillance





Why invest in Rimfire...cont.

- ❑ 4km² (Eclipse - CO₂- Yoes) has limited drilling
- ❑ High Grade intersections, keeps us on the radar
- ❑ Countercyclical Strategy – Financially sound
 - ❑ Do more work in tough times – Stand out – use the low drilling costs
 - ❑ **80% In Ground Spend** - Money spent Drilling, low overheads
 - ❑ Respectable financial position
- ❑ Rimfire Bench Marked Superior to most Junior Peers
 - ❑ Market Capitalization is well positioned
 - ❑ Efficiency (lowest quartile for Administrative, Management and Board Costs)
 - ❑ Performance (discovery cost extremely low, and highly effective)
 - ❑ Discoveries near surface



“Quality assets well managed with high growth potential”

rimfire



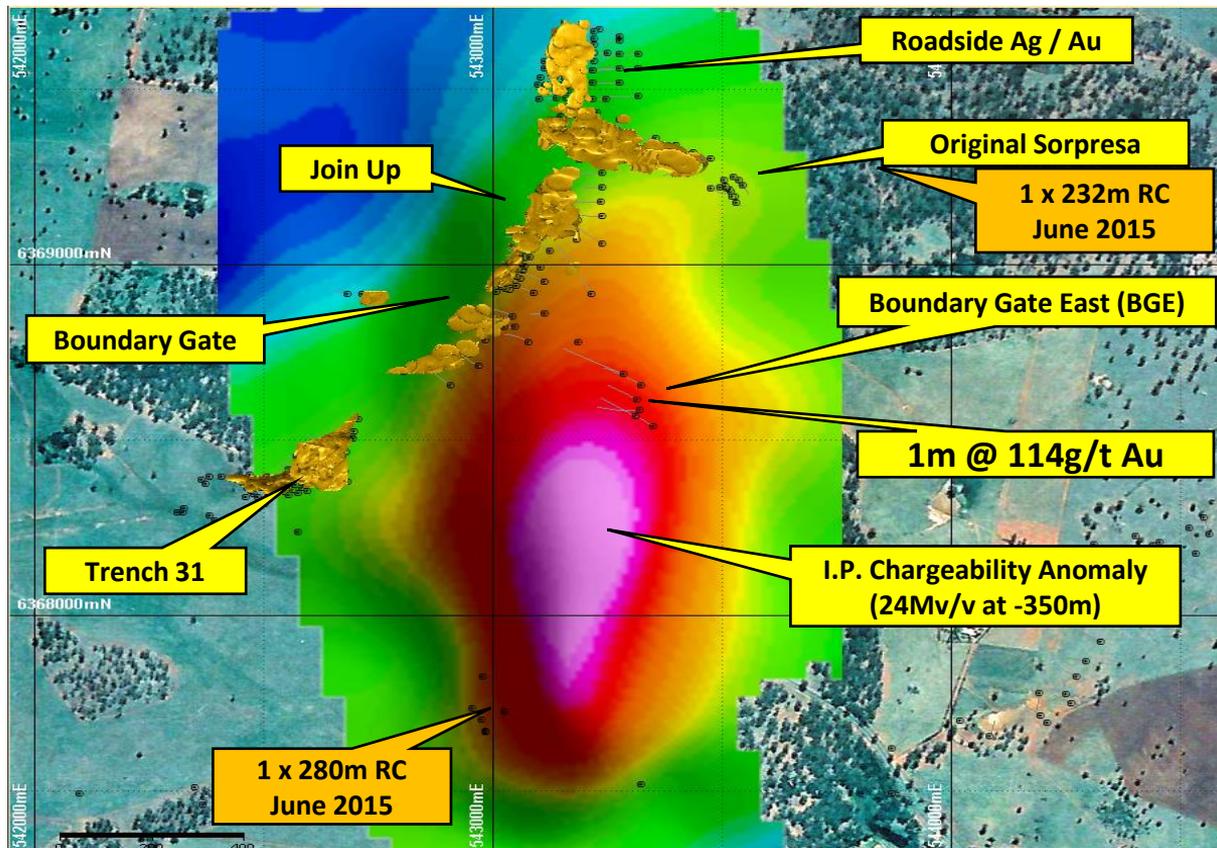


Thankyou...please stay in touch with the story

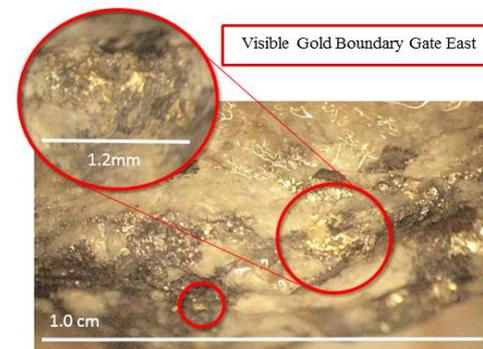




Appendix Sorpresa – Gold and Silver Resource



- ❑ Excellent correlation of Mineralisation to Gravity
- ❑ Potential extensions and repeats under shallow cover
- ❑ Pursue High Grade lenses
- ❑ Examine economic case
- ❑ I.P. chargeability – to resolve



Implicit Model showing Au only 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

❑ 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 (*more testing commissioned*)



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



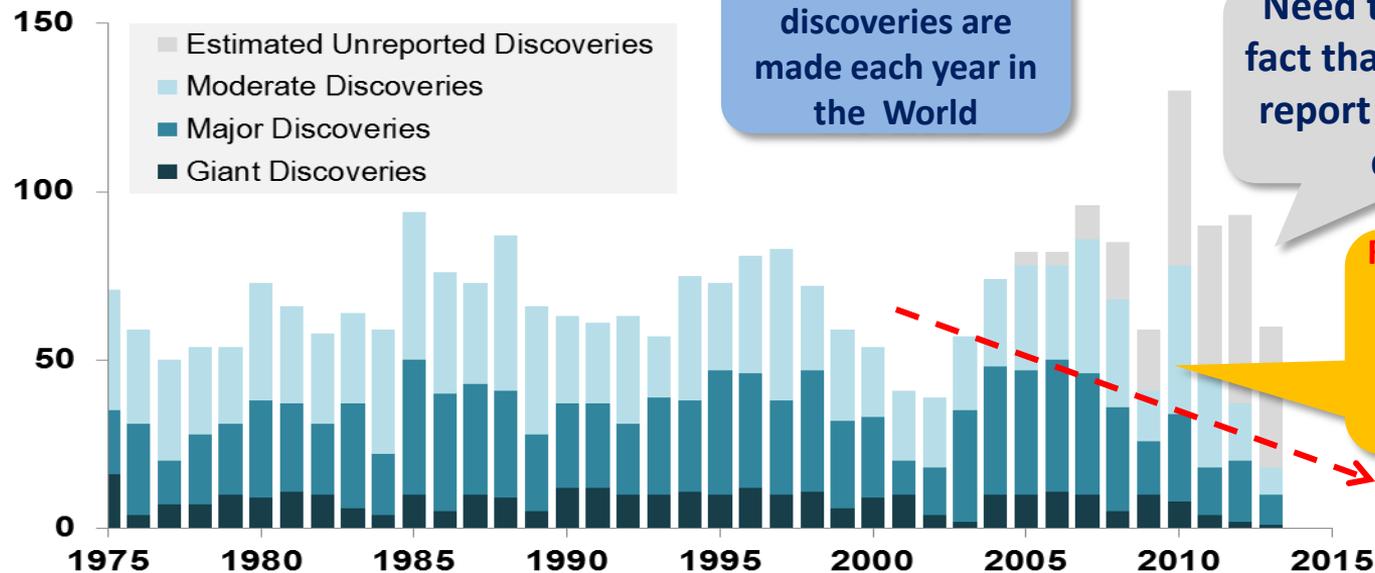
Appendix – Additional Benchmark Study

- 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

Number of significant discoveries made

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

Number of Discoveries

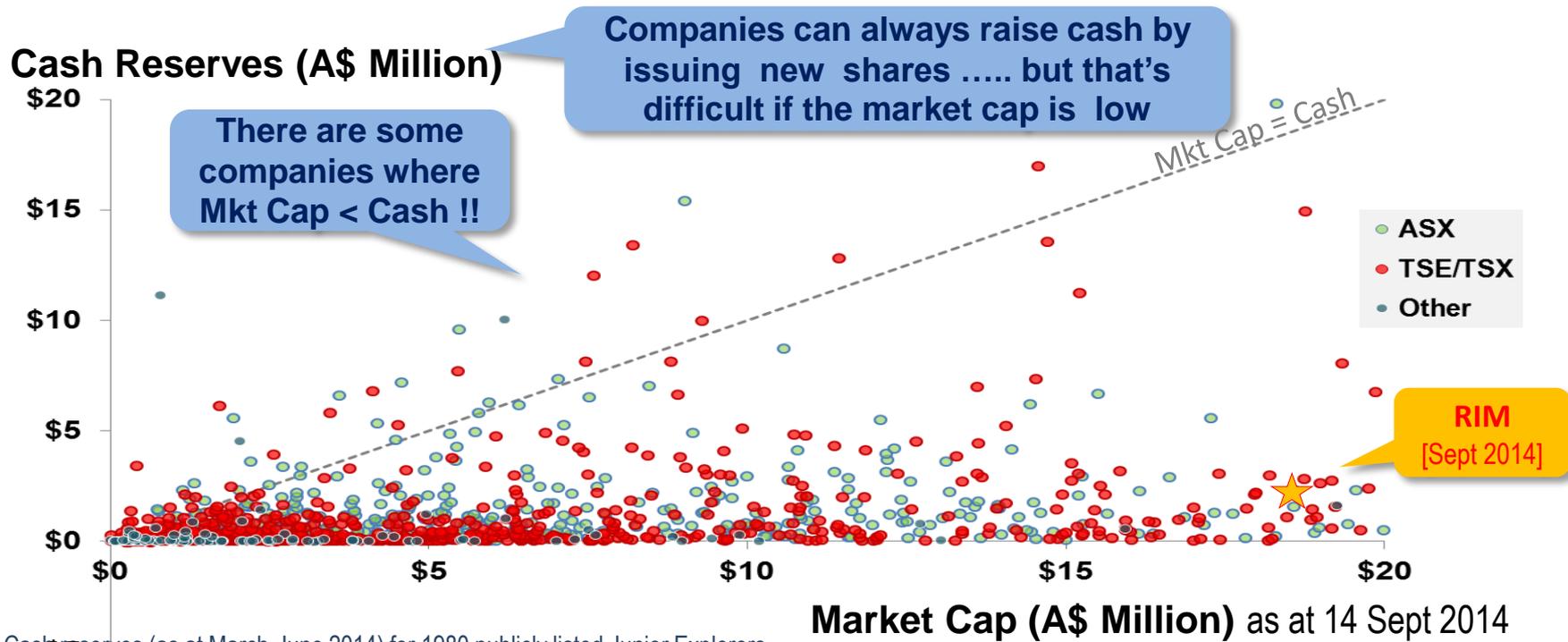


Giant >6 Moz Au, >125 kt U₃O₈, >1 Mt Ni, >5 Mt Cu equiv
 Major >1 Moz Au, >25 kt U₃O₈, > 100 kt Ni, >1 Mt Cu equiv
 Moderate >0.1 Moz Au, >5 kt U₃O₈, >10 kt Ni, >0.1 Mt Cu-equiv

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