

rimfire pacific mining nl

(ASX "RIM")

Investor Information Pack - Project Area at Fifield NSW

John Kaminsky CEO & Managing Director

19~21 September 2017 - One to One Investor Meetings Europe



Rimfire - New Gold Inc.



Transit August 2017



Discovery Leadership



Planning

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
 - ❑ Possible other metals – Active Neighbours (Ni, Co, Sc, Pt)
- ❑ Evidence – Sorpresa a Green Fields discovery
 - ❑ Part of a bigger mineralising system
 - ❑ Potential multiple pit strategy at Sorpresa, aided by additional discovery
- ❑ New Gold Inc. (TSX/NYSE: NGD) Partnership Deal – No downside
 - ❑ Flexible to projects needs
 - ❑ Rimfire an active participant, allows funding flexibility and newsflow
- ❑ 4m oz Gold Equivalent Discovery Aspiration for the project
 - ❑ Aim for 10 year or more mine life, in lower third of industry costs

Value Drivers – Executive Summary

- ❑ Fifield Prospect Portfolio – Risk Mitigation
 - ❑ Regular prioritisation of targets
- ❑ Unique Discovery Methodology
 - ❑ Best of Large and Small Company
- ❑ Active in the Field - Committed Discovery Work Plans
 - ❑ Provide Deeper Context - Value creation
- ❑ Target Screening and testing, Current Drilling
 - ❑ Market Milestones
- ❑ Rimfire Discovery track record
 - ❑ Peers, Benchmarking, Efficiency, Management
 - ❑ Funding well deployed

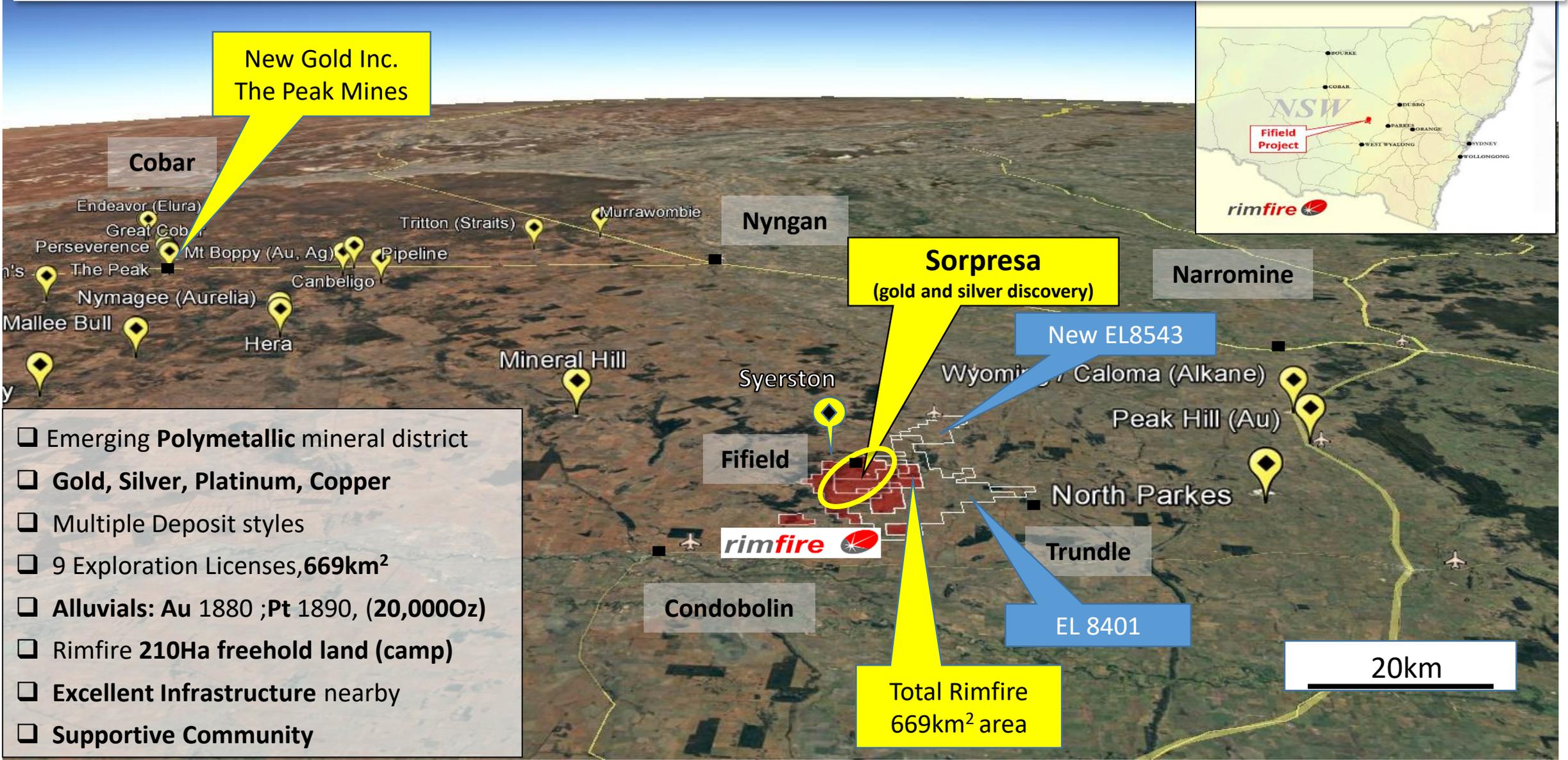


Fifield Central NSW

RIMFIRE LOCATION AND PROSPECTS



Project Focus - Fifield NSW



New Gold Inc.
The Peak Mines

Cobar

Nyngan

Sorpresa
(gold and silver discovery)

Narromine

New EL8543

Fifield



Trundle

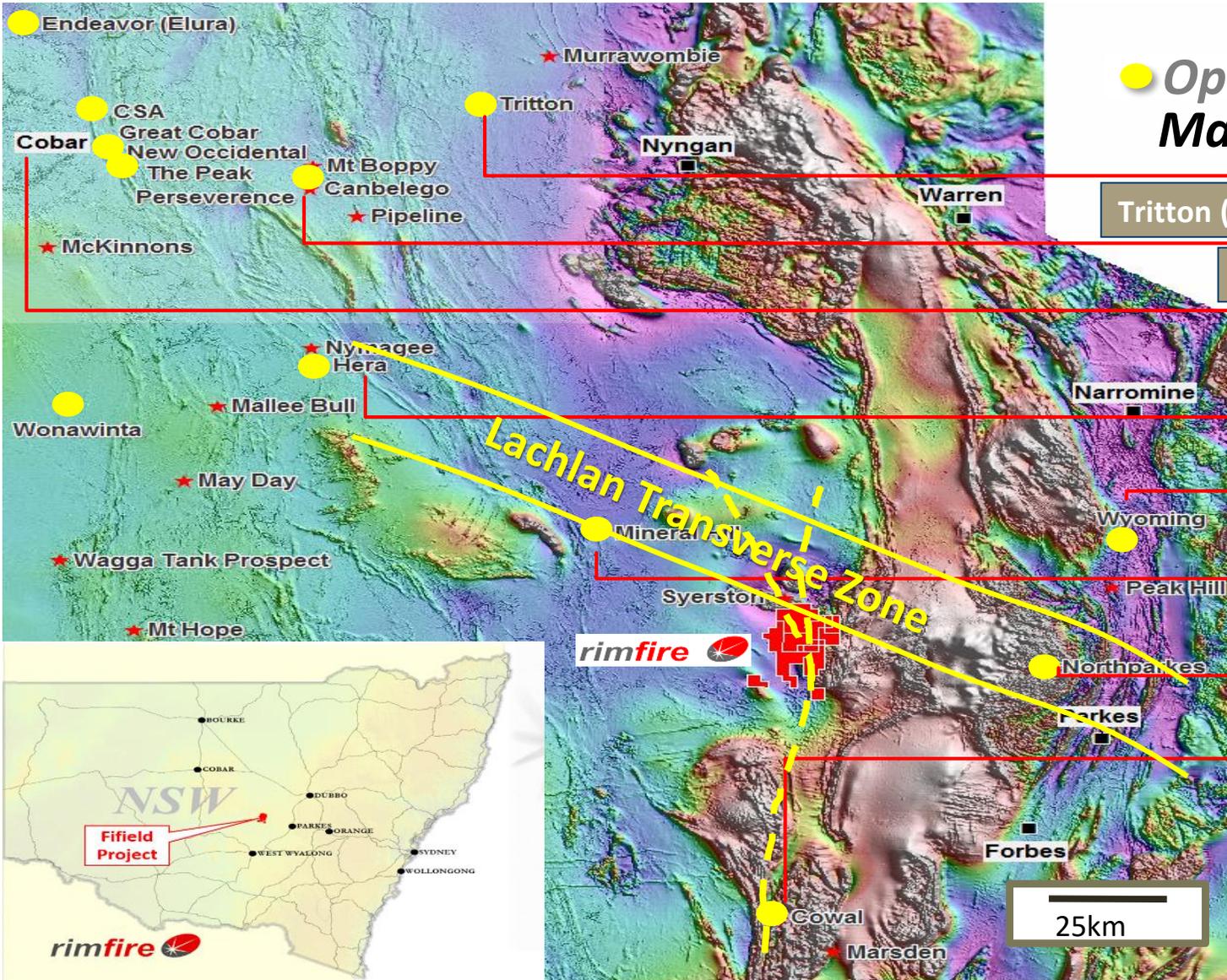
EL 8401

Total Rimfire
669km² area

20km

- Emerging **Polymetallic** mineral district
- Gold, Silver, Platinum, Copper**
- Multiple Deposit styles
- 9 Exploration Licenses, **669km²**
- Alluvials: Au 1880 ;Pt 1890, (20,000Oz)**
- Rimfire **210Ha freehold land (camp)**
- Excellent Infrastructure nearby**
- Supportive Community**

Project Focus - East Lachlan Fold Belt



Operating Mines Major Cross structures at Fifield

Tritton (Cu) Straits Resources

Mt Boppy (Au) Southern Cross Goldfields

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

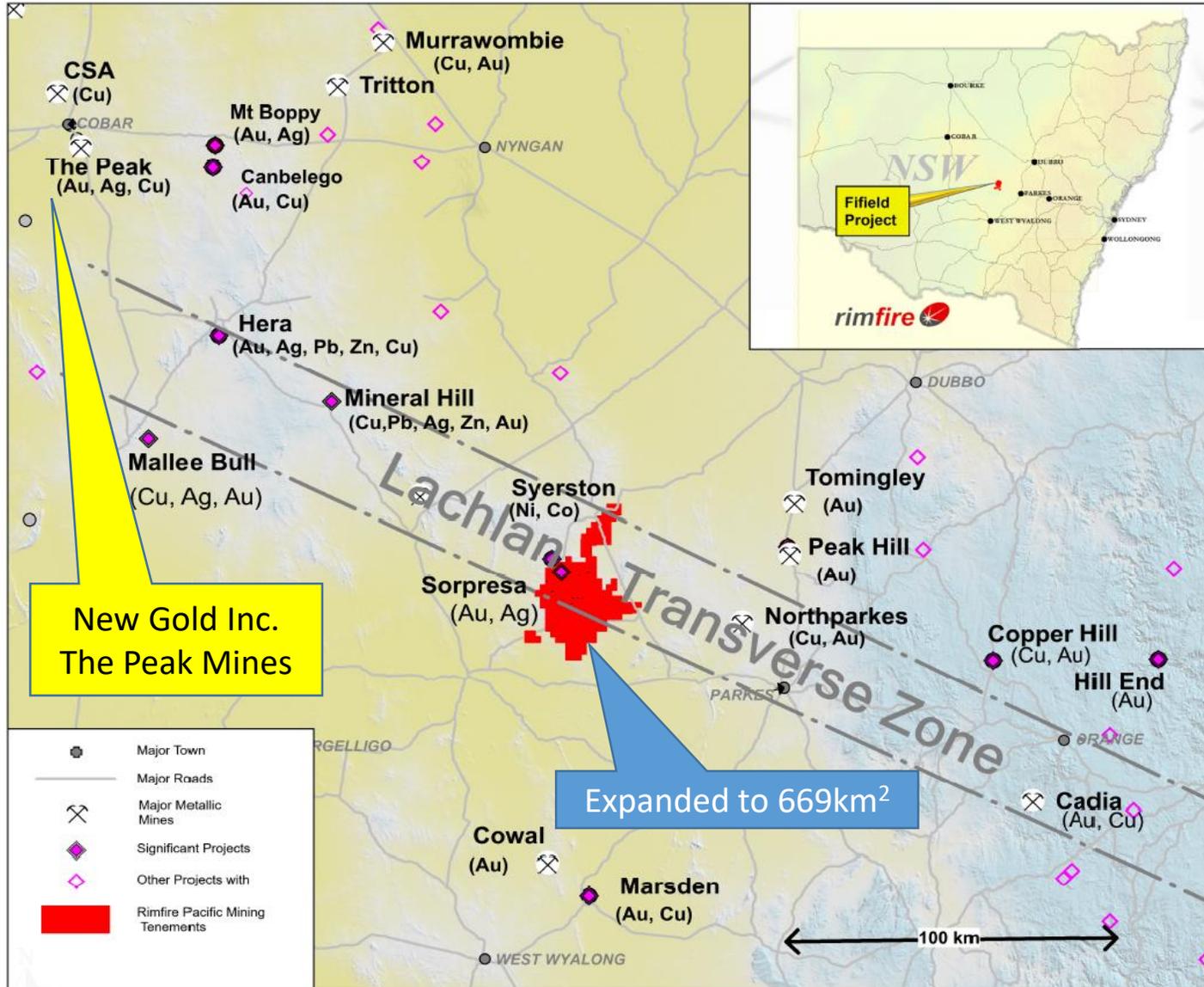
North Parkes (Cu/Au) China Mo Co.

Lake Cowl (Au) Evolution

Excellent geological setting



Project Focus - Fifield NSW - LTZ



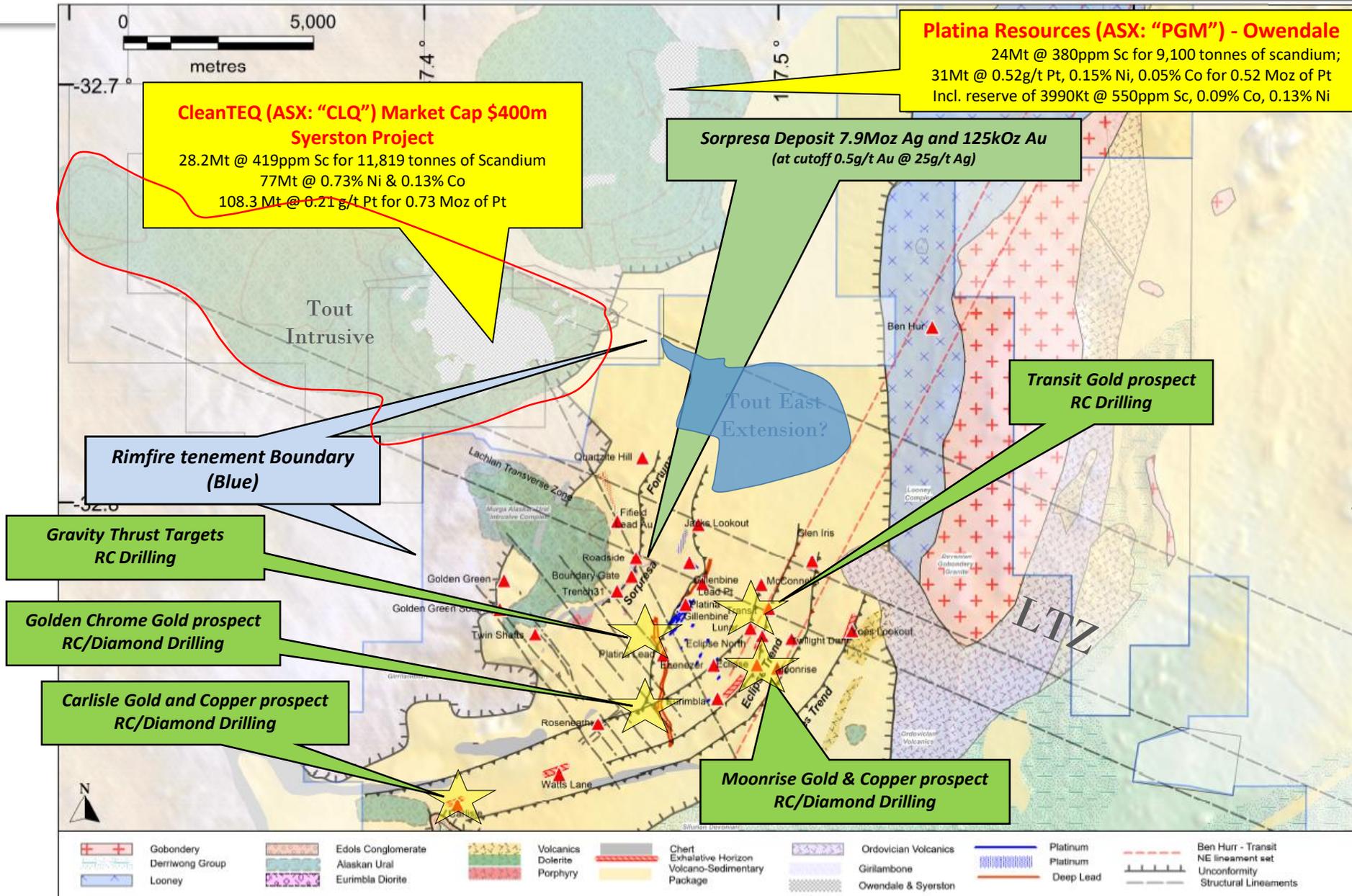
- ❑ LTZ Corridor of Faults Prime location
- ❑ Gold with Copper emerging on East margin
 - ❑ Eclipse, Yoes and Ben Hur areas
- ❑ Expanded Tenement position (669km²)

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	
Cowl	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 Inc.	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 data warehouse

Rimfire Prospects and Neighbours - Fifield

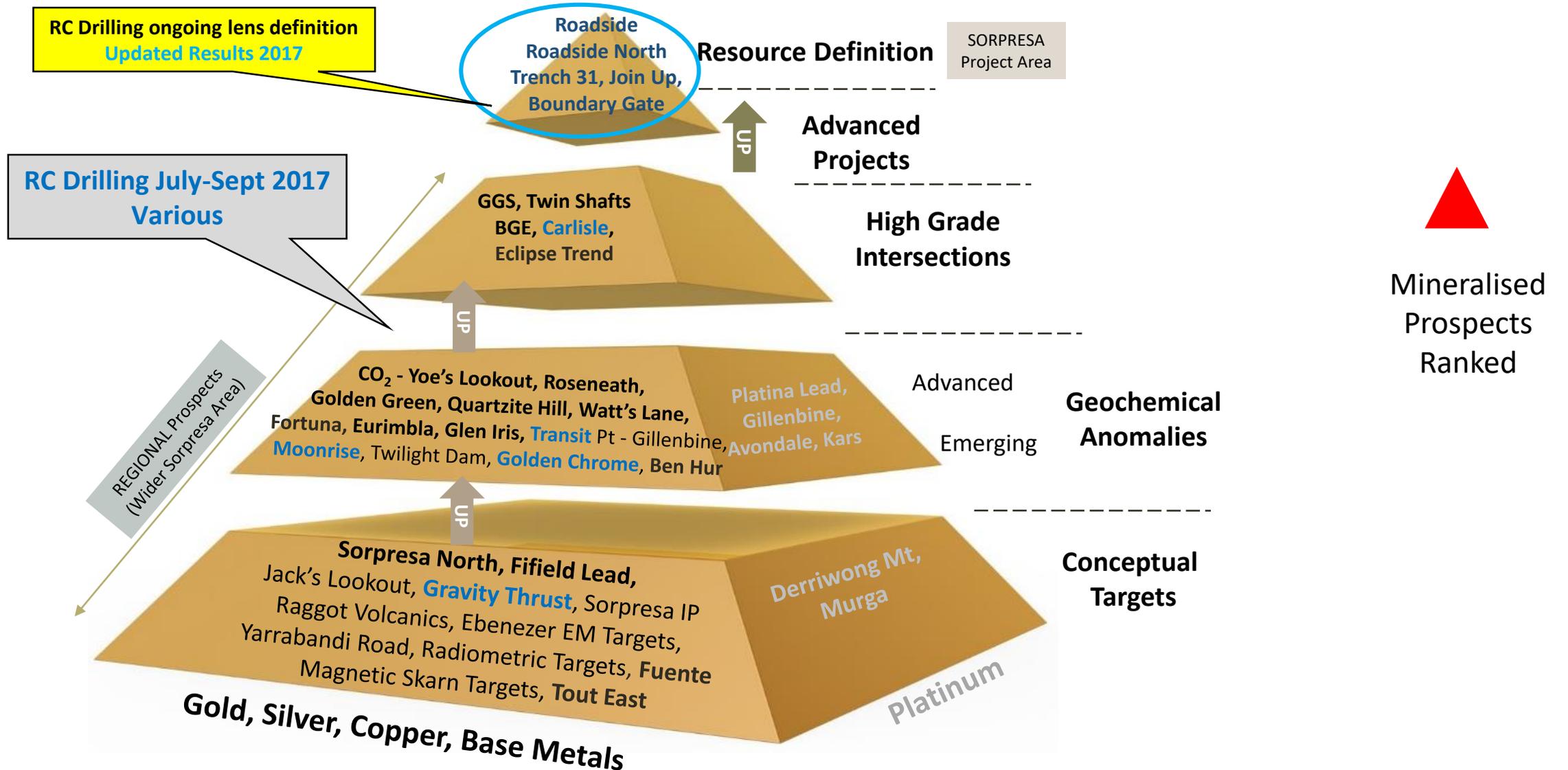


▲
 Rimfire
 Mineralised
 Prospects



Proposed target
 areas (not to scale)
 for RC and
 Diamond Drilling
 July-Sept 2017

Prospect Pipeline - August 2017 - Ranking



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RIMFIRE CORPORATE AND PERFORMANCE SUMMARIES

Company Snapshot – 7 September 2017

Shares on Issue 943M Ordinary FP

Market Cap. Approx. \$22.6M @2.4cents

Volume last 12 months

- Approx. 520,000 shares/day
- Largest 9 Million shares/day;

Shareholder Profile – 2020 plus shareholders

- Board & Management 9%
- Top 20 Holders 34%
- Top 100 Holders 67% (cut-off 1.75M shares)

Cash Status June 2017

- Approx. \$2.568m
- R&D Application planned

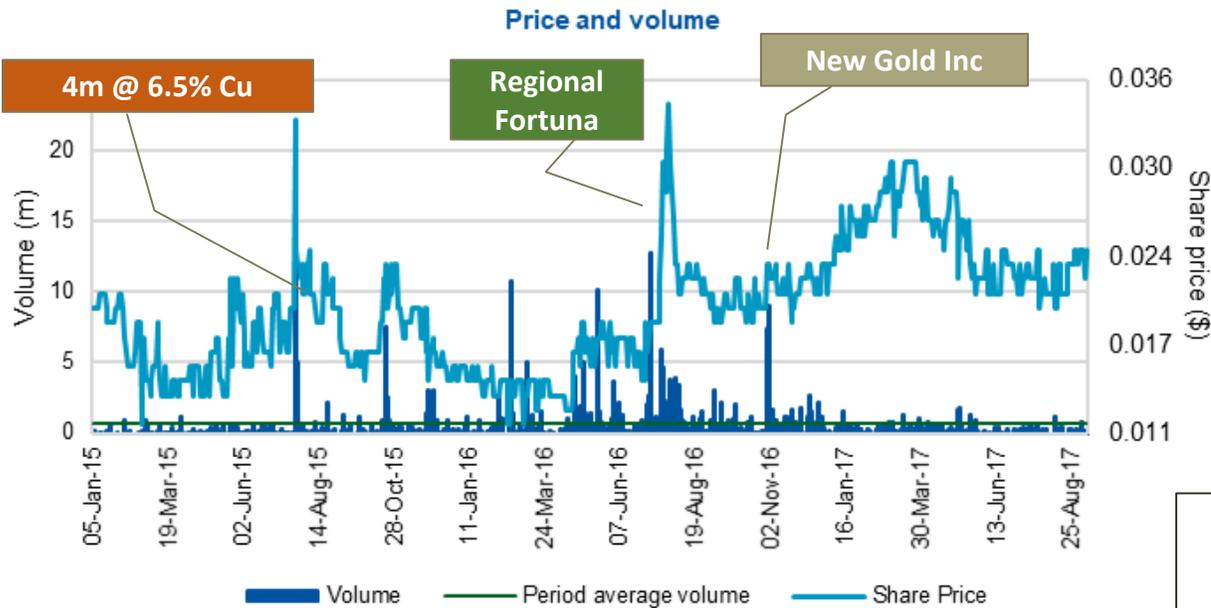


The Board & Management

Ian McCubbing (July 2016) (Chairman)	Has a 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)	Has a diverse 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)	A 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)	Has extensive finance background and Bachelor Economics, CPA & MBA (MBS), corporate positions including Citibank, Bank of America, OCBC (Overseas-Chinese Bank Corporation) and NAB
Graham Billingham (May 1999) (Non Executive Director)	Career in investment banking and corporate development in the Australasian region. This includes senior management positions with Citibank and Lewis Land
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)	An 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.

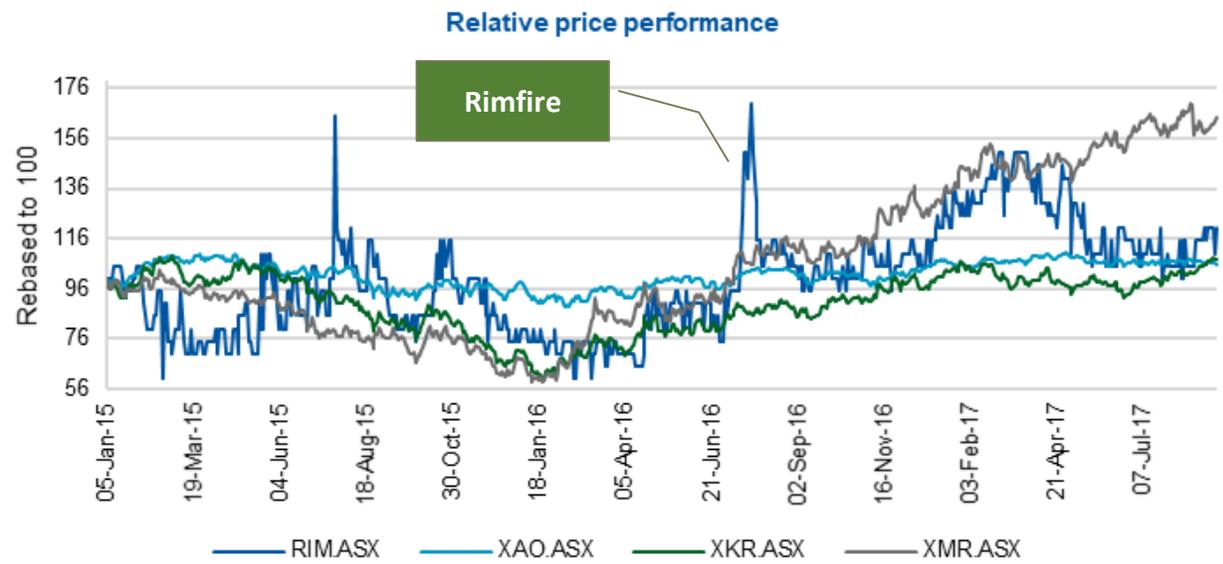


ASX:RIM Share Price Performance to 9 September 2017



- Risk capital has returning (absent 4 years)
- Exploration Sector – off the bottom...
- Liquidity and value decline, now improved
- Gold Up – volatility remains

- RIM some good volume events
- Price upswings – Activities & Results matter*
- Impact from New Gold Inc. in 2017/18...*



Changing dynamic - not all about the Gold price?



USD Gold Price London Fix From 1st January 2017

- Exploration depressed 4~5 years**
- ✓ **Majors discarded assets**
- ✓ **Rise of the mid tiers in Australia**
 - ✓ **Evolution, Northern Star etc.**
- ✓ **Producers looking for large replacement assets**
- ✓ **Make or Buy (a gold mine) equation changes**
- ✓ **Discovery needed**
- ✓ **High quality prospective areas sought**
- ✓✓ **Rimfire project area desirable**

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! (e.g. 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



Fifield Central NSW

RIMFIRE – NEW GOLD INC. PARTNERSHIP

New Gold Inc. Public Comments

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

The Approach to the New Gold Inc. partnership

- ❑ 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



Partnership benefits to Rimfire – No downside

- ❑ **Excellent culture and people at New Gold Inc. – genuine partnership, collaborative**
- ❑ **New Gold 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*
- ❑ **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**





Fifield Project Acceleration – Rimfire influence

- ❑ RAL 15% Funded by New Gold
 - ❑ No restrictions on area, concepts or approach
- ❑ \$3m additional spend allowed by Rimfire
 - ❑ A credit against JV
 - ❑ Continue through Prospect Portfolio list
 - ❑ Develop new concepts for testing
 - ❑ Grow prospect pipeline (mapping-structures)
 - ❑ Drill Test targets in smaller campaigns
 - ❑ Examine technical and economic case for Sorpresa
- ❑ Possible new initiatives outside Fifield



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WHERE ARE WE NOW?

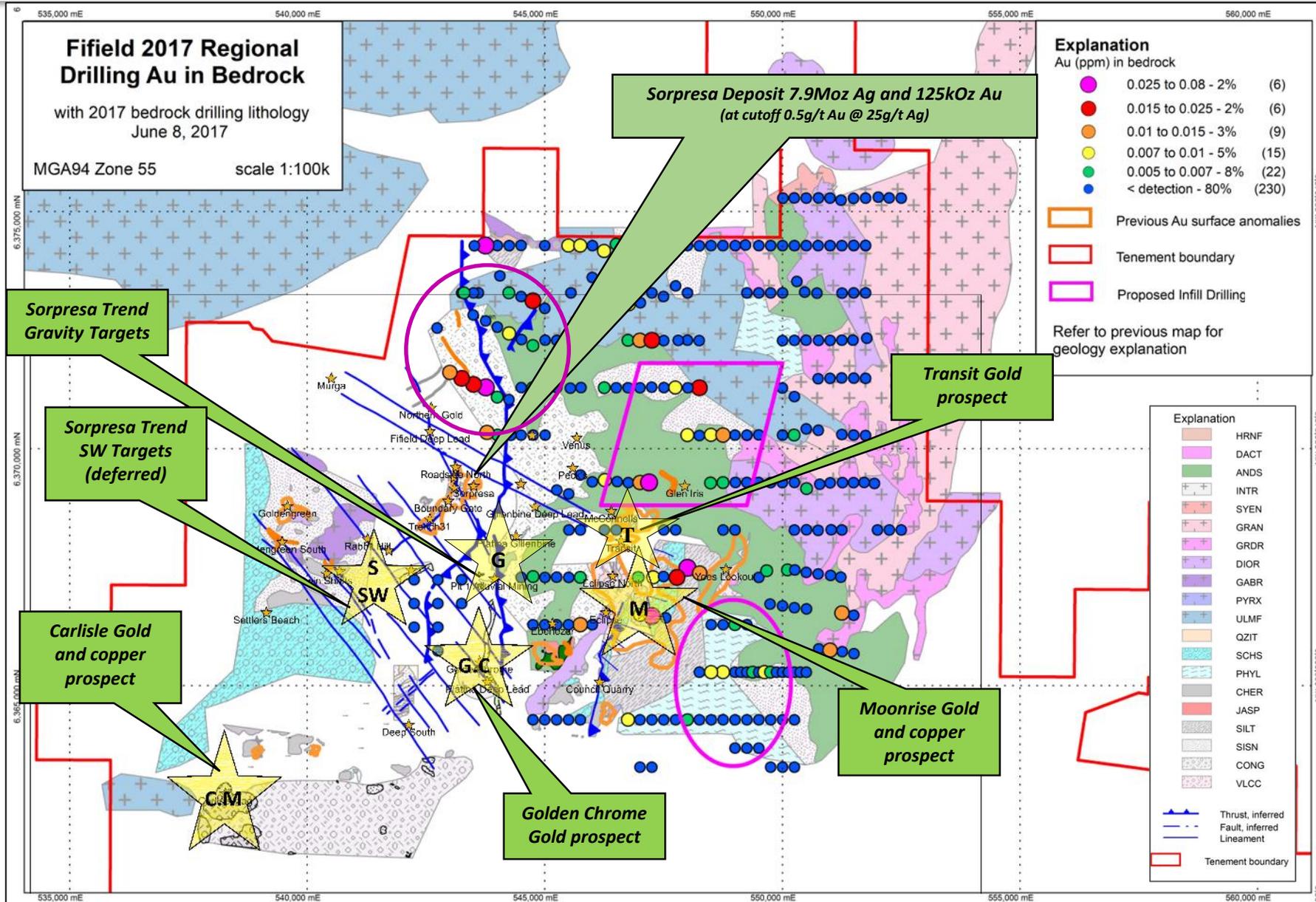


Milestones and Important Progress 2017

Activity	Date	New Gold	Rimfire	Comment
Magnetics & Radiometrics	Jan-Feb	✓✓	✓	Detailed 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 Geochem Aircore	ongoing	✓		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 1 st phase	Aug-Sept	✓		3 locations, first pass
Surface Mapping, Rock Chips	ongoing	✓	✓✓	Regolith, structure, samples
Geophysics Interpretation	ongoing	✓	✓	Key knowledge domain

A systematic framework also allowing adaptive creative thinking for discovery

Regional Geology and Gold Results - Aircore



- Aircore/Auger bedrock geochem & geology on 150km² of total area
- Au anomalies
- Current Drill targets
- Infill follow up areas
- Priorities
- Continue regional rollout balance area

Drill Program Outline – First Pass Examination

Program	Proposed Drilling	Total Drilled (m)	To Be Completed	Drill Component % Completed	Results Timing
Fifield Exploration Program (RC-NGD)	700	700	nil	100%	Sept-Oct
Fifield Exploration Program (RC-Rimfire) ¹	667 Gold C 830 Transit 350 Gravity T	1,847	nil	100%	Sept-Oct
Fifield Exploration Program (DD-NGD)	1,050 Moonrise Golden Chrome Carlisle	302	748	15%	Sept-Oct
2017 YTD Total	3,597²	2,849	748	79%	

Note1: Rimfire refined number of meters from original 3,450 as drilling progressed

Note2: Estimate only, subject to change according to conditions

Progress on Current Drilling at Fifield

☐ Moonrise Au-Cu prospect Diamond Drilling completed

- ☐ Reverse Circulation (RC) drilling pre-collars were completed on two holes
- ☐ A diamond tail finished (RC hole depth was 300m) to a total depth of 602m

☐ Golden Chrome Au-Cu prospect completed RC phase, DD Next

- ☐ Reverse Circulation (RC) drilling pre-collars were completed on two holes
- ☐ Alteration and geology profile encouraging
- ☐ A diamond tail finish (RC hole depth was 276m) to a total depth of about 500m

☐ Transit Au prospect completed RC Drilling

- ☐ RC drilling, with 8 holes for about 830m, depths of holes 40m to 250m
- ☐ Intersected a carbonaceous horizon
- ☐ Interesting field observations – As-Au zone, Cu-Mo zone
- ☐ Base metals, Cu, Mo, Pb, Zn
- ☐ A possible porphyry connection?

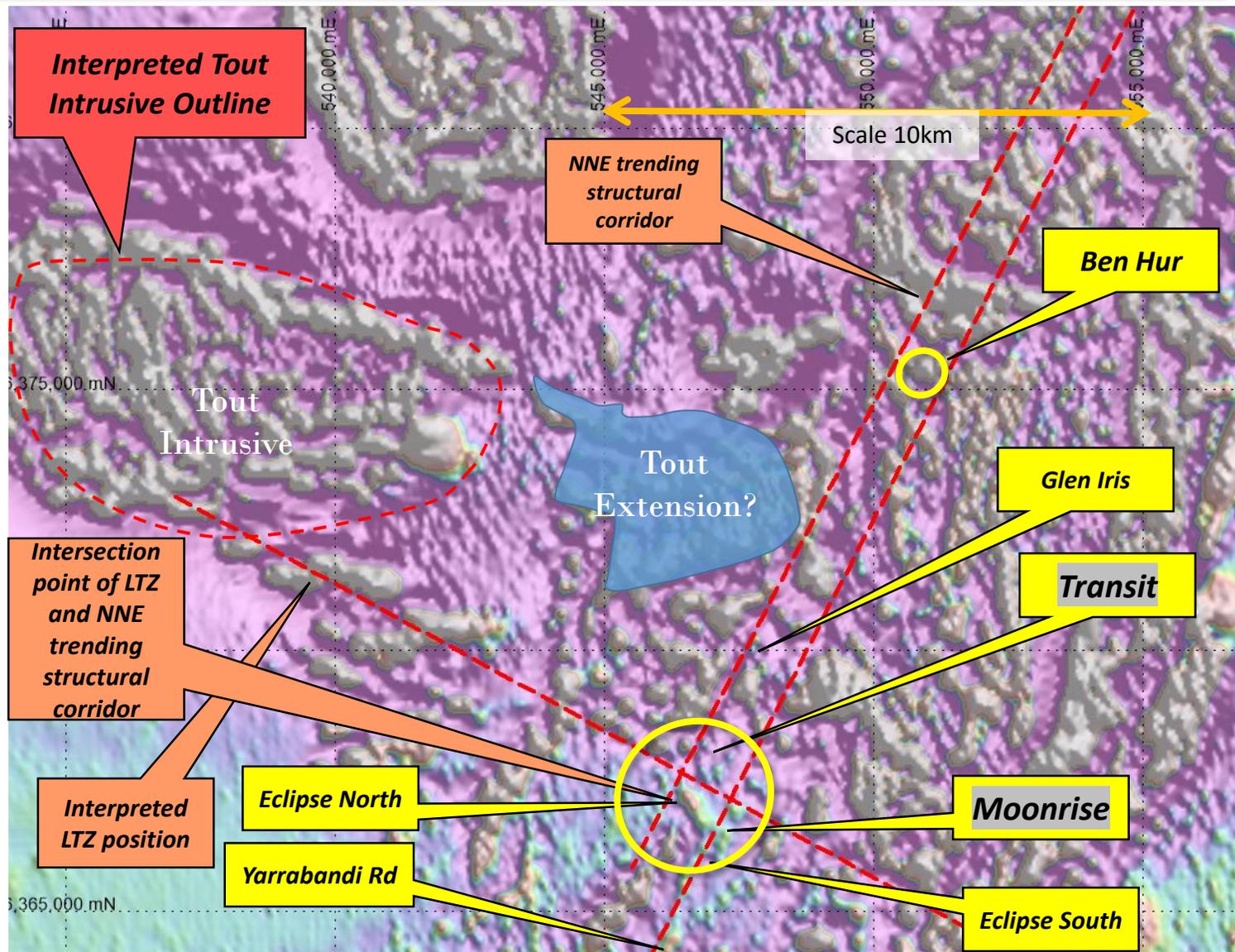


RC Drilling underway at Transit

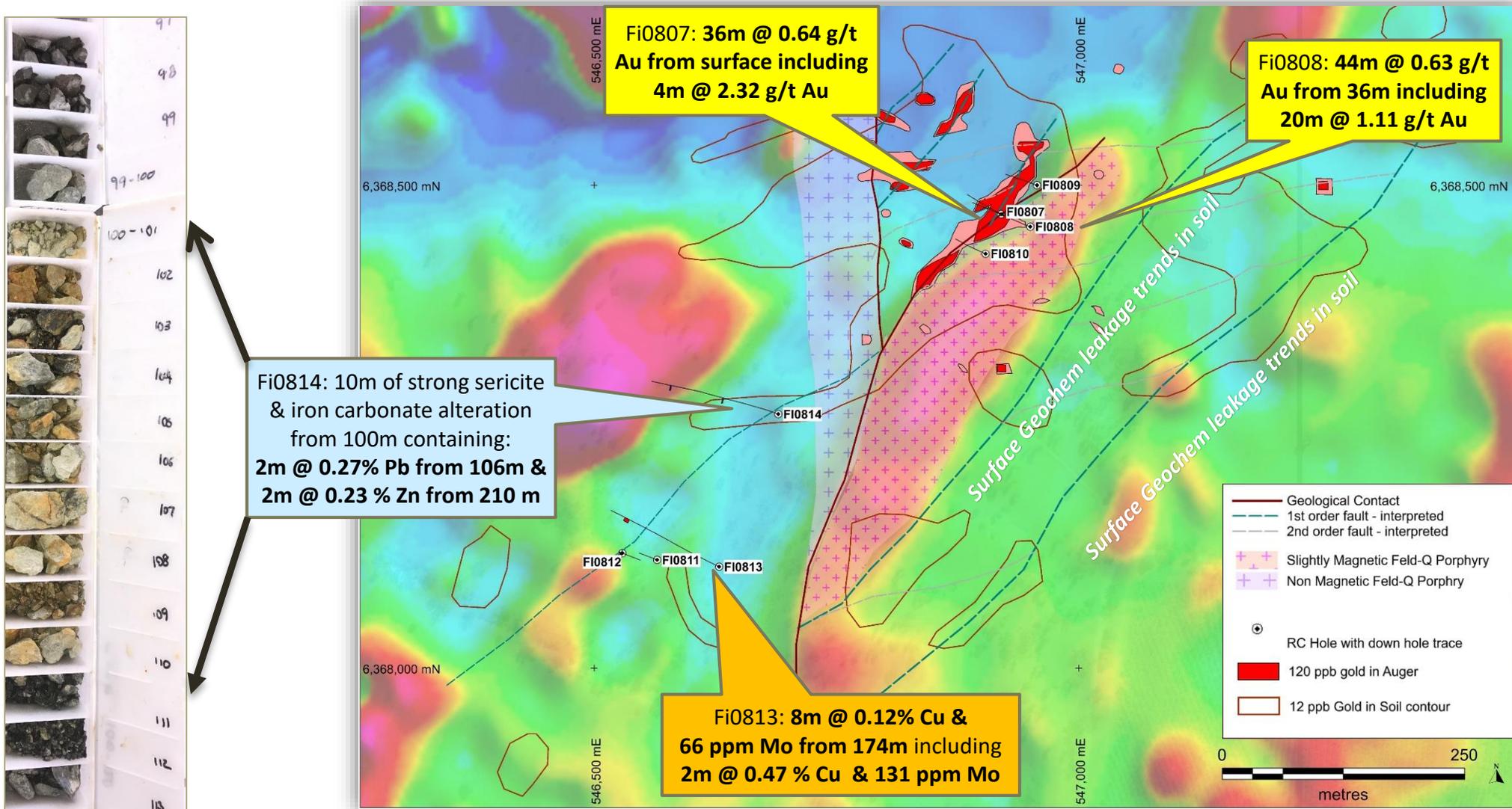


Interpreted structures to major prospects on 1VD magnetic image

- ❑ 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)

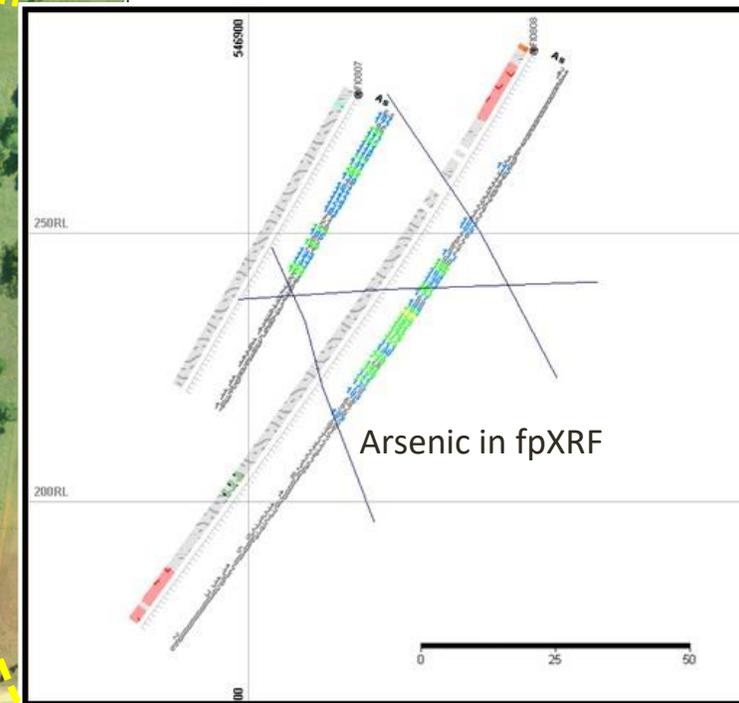
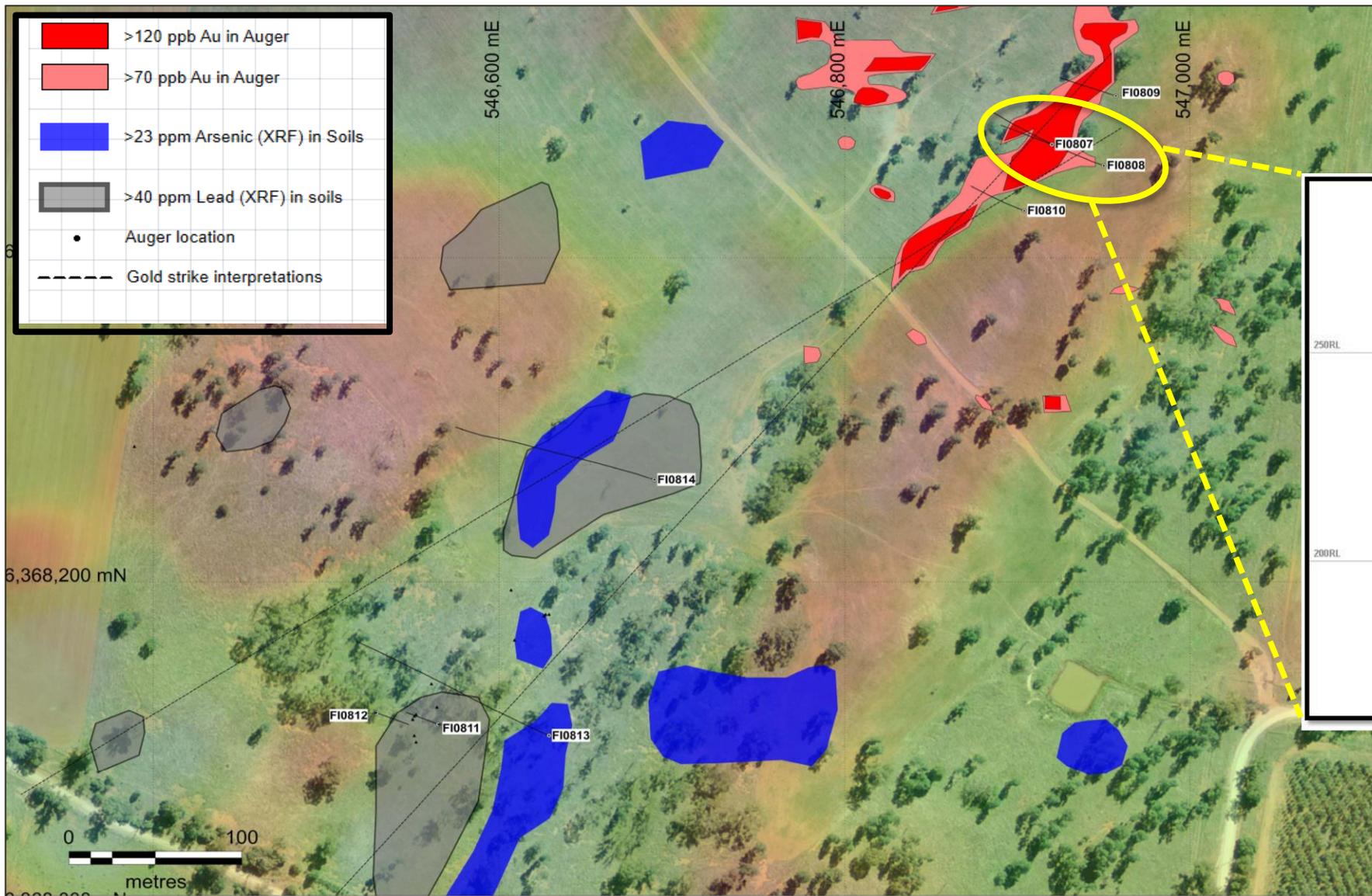


Transit Prospect – Gold in Shears – Copper-Molybdenum



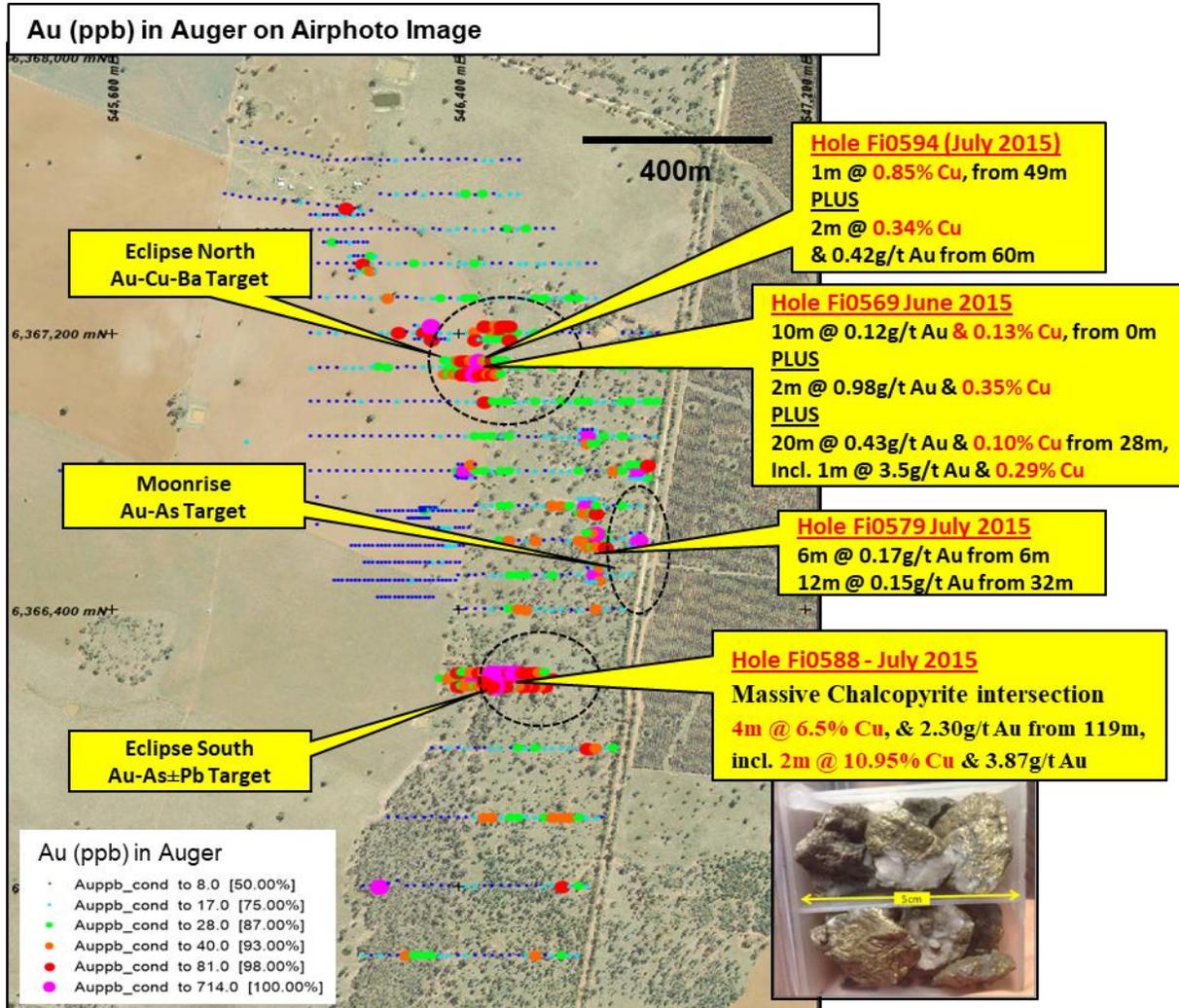
Potential for distal porphyry association at depth? – Further work

Transit – Arsenic zone – Au Zone

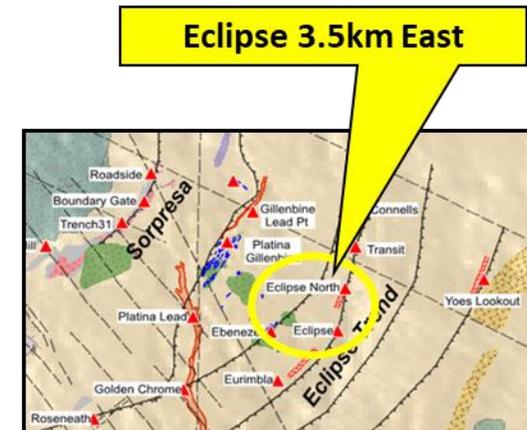


Arsenic as a pathfinder?

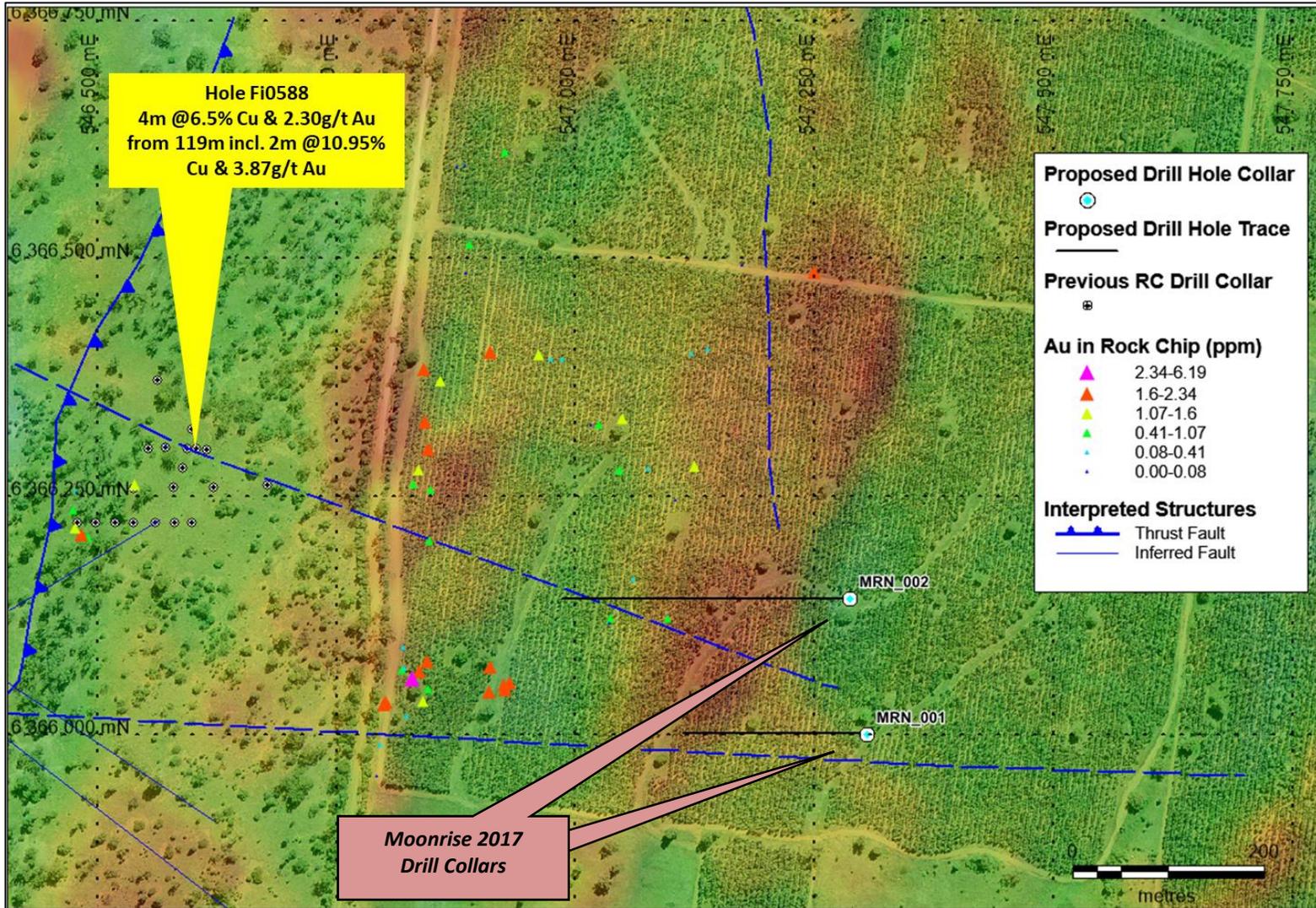
Moonrise Prospect in Eclipse Trend - Context (2015)



- Eclipse South Copper intersection (2015)
- Hole Fi0588
 - 4m @ 6.5% Cu & 2.3g/t Au from 119m
 - Incl. 2m @ 10.95% Cu & 3.87g/t Au
 - Massive Chalcopyrite



Moonrise Collars and DD progress



- Map showing Moonrise collar locations with downhole trace over 1VD RTP Magnetic Image and Satellite Image.
Coloured triangles represent rock chips
- Drilling targeting down dip position of thrust fault and the intersection with an inferred NW trending fault
- Drill plan 2 x RC pre-collar, then Diamond Tail finish
- Drilling completed at 602m (Sept)
- Interim Assay; 2m of 5.58 g/t Au from 90m

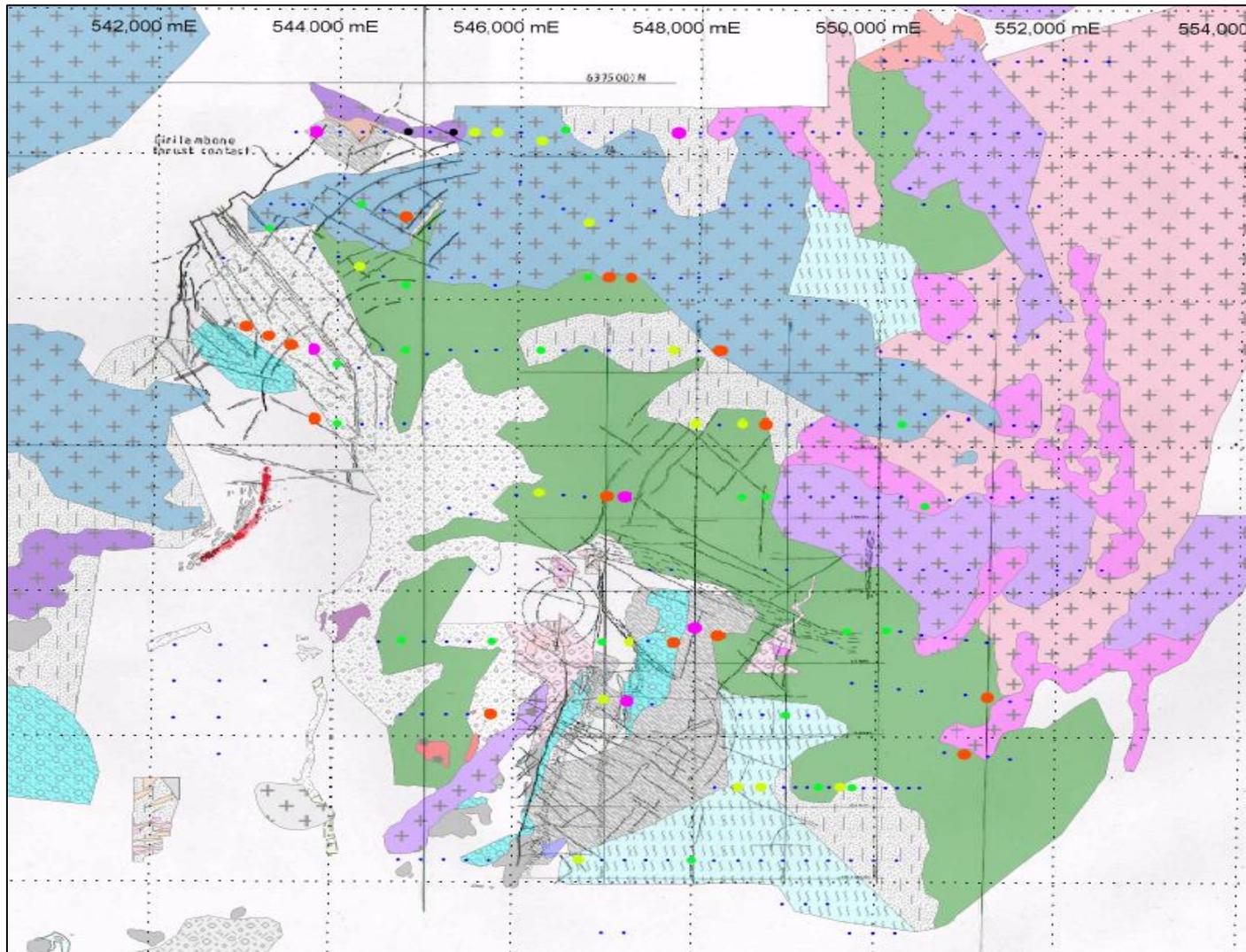
Rimfire (RAL) Exploration Update

- ❑ Extensive mapping insights
 - ❑ 20~25 line km per day, plus sampling
- ❑ Predominantly East and North of Sorpresa
 - ❑ Eclipse – Yoes Trends areas
 - ❑ Fortuna to Quartzite Hill areas
 - ❑ Connecting the areas
- ❑ Foundation in Geomorphology
 - ❑ Connection of regolith, structure, geophysics, geochemistry
- ❑ Connecting the data layers
- ❑ New exciting targets



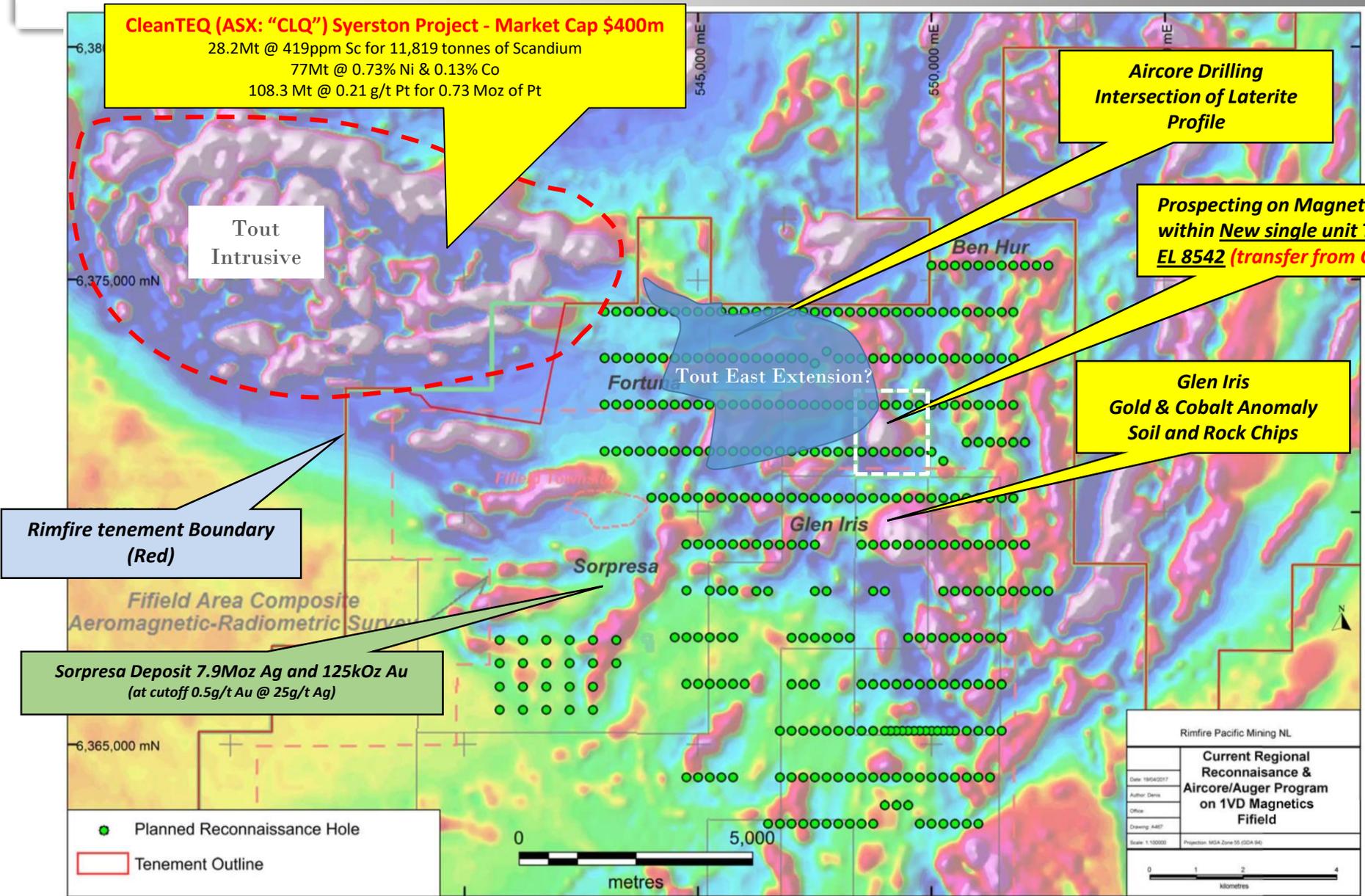


Aircore - Mapping New data layers for targets



- Integrates geophysics, regolith, structure & geology. Work in progress.
- Au anomalies to followup
- Targets also include:
 - Topographic lows
 - Shears, on geology contacts
 - Ring structures, (collapsed intrusive at depth?)

Expand Regional Geochemistry – Aircore/Auger



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SORPRESA GOLD-SILVER AREA GEOLOGY, MODELS AND MINERALISATION

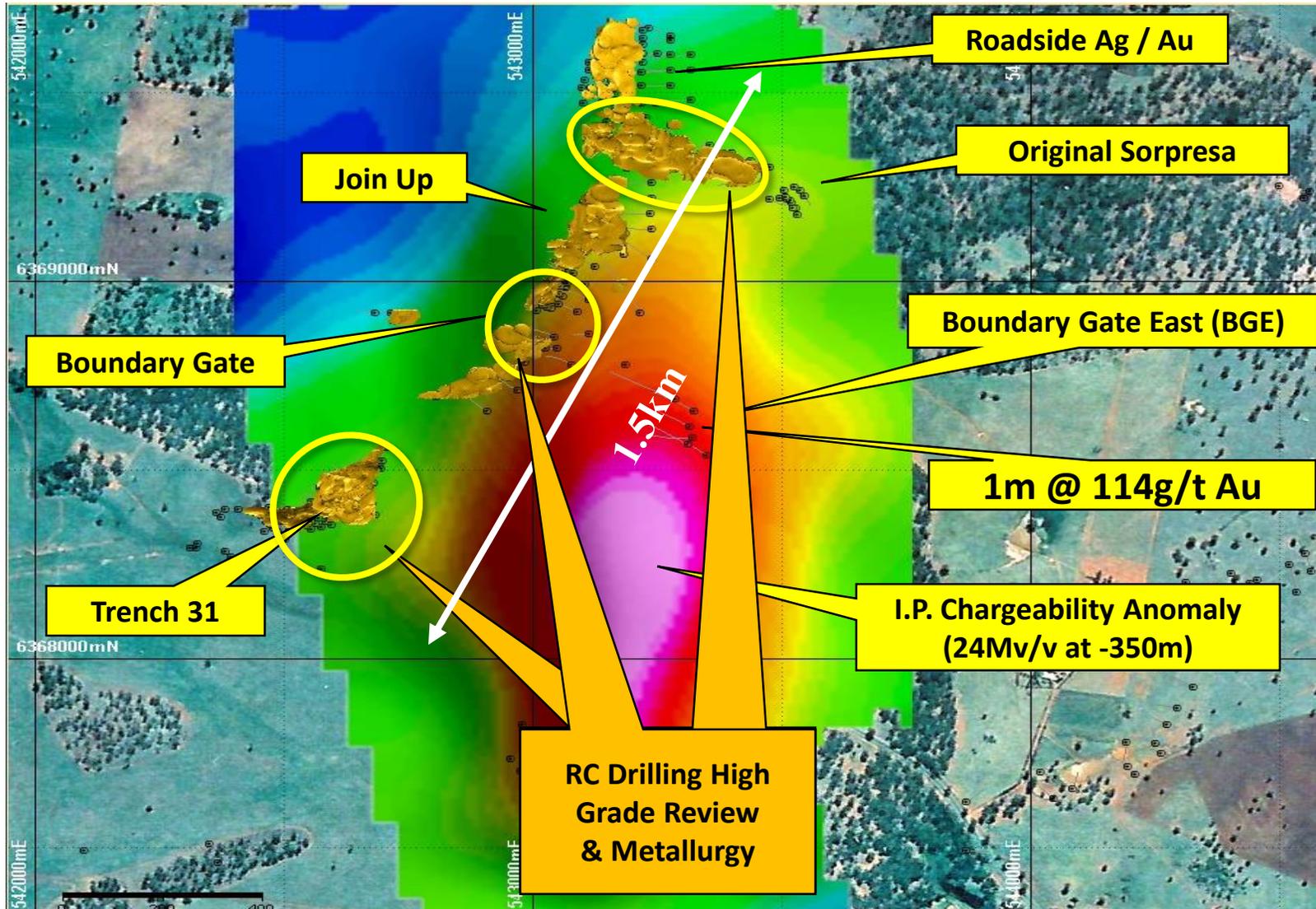


Sorpresa Fine Au Discovery Important Lessons

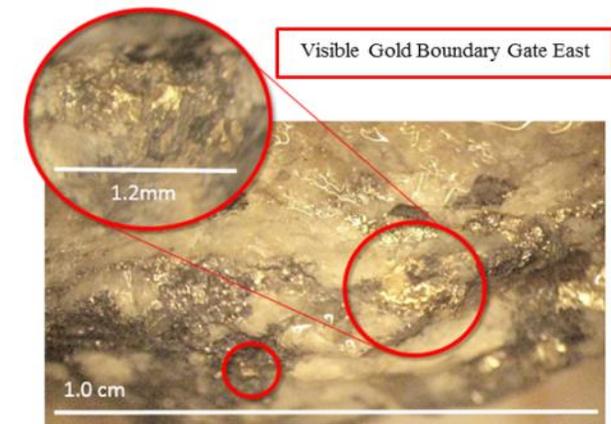
- ❑ Subtle Mineralisation Expression – needed the extra steps
 - ❑ Only discovered due to eroded lenses at surface in geochemistry
- ❑ Geology alone not the best vector – where within the horizon?
 - ❑ Pathfinders (Pb, As, Sb) aid discovery, fpXRF
- ❑ Majority of the area under shallow alluvium – more 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 was the first discovery, others likely to follow*



Sorpresa - Gold and Silver High Grade Lenses



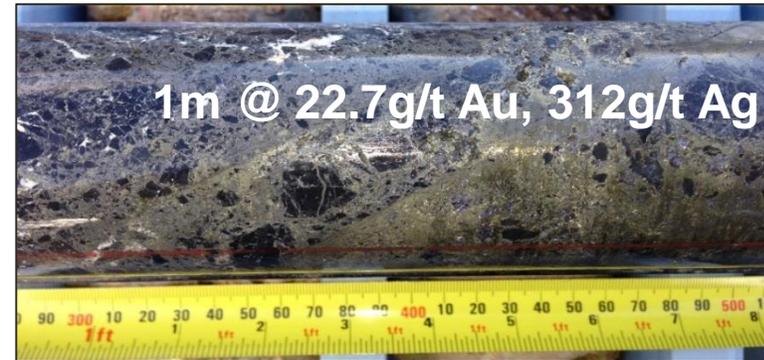
- Less than 10% of available geology tested (>18km²)
- Potential extensions and repeats under shallow cover
- Pursue High Grade lenses
- Examine economic case
- I.P. chargeability – to resolve



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

Sorpresa – Significant Intersections

	<u>Gold</u>	<u>Silver (Roadside)</u>
Roadside	<ul style="list-style-type: none"> ❑ 16m @ 5.32g/t Au ❑ 7m @ 4.24g/t Au ❑ 14m @ 24.4g/t Au ❑ 21m @ 1.11g/t Au 	<ul style="list-style-type: none"> ❑ 12m @ 394g/t Ag ❑ 28m @ 119g/t Ag ❑ 26m @ 155g/t Ag
Original Sorpresa	<ul style="list-style-type: none"> ❑ 13m @ 1.59g/t Au 	<ul style="list-style-type: none"> ❑ 20m @ 230g/t Ag ❑ 10m @ 535g/t Ag (incl. 2m @ 2020g/t Ag)
Join-Up	<ul style="list-style-type: none"> ❑ 30m @ 2.39g/t Au ❑ 4m @ 21.9g/t Au 	<ul style="list-style-type: none"> ❑ 26m @ 90g/t Ag ❑ 16m @ 175g/t Ag
Boundary Gate & BGE	<ul style="list-style-type: none"> ❑ 24m @ 2.17g/t Au ❑ 1m @ 114g/t Au ❑ 20m @ 2.14g/t Au 	
Trench 31	<ul style="list-style-type: none"> ❑ 6m @ 12.31g/t Au ❑ 14m @ 21.9g/t Au ❑ 9m @ 4.9g/t Au (trench) ❑ 9m @ 18.1g/t Au 	



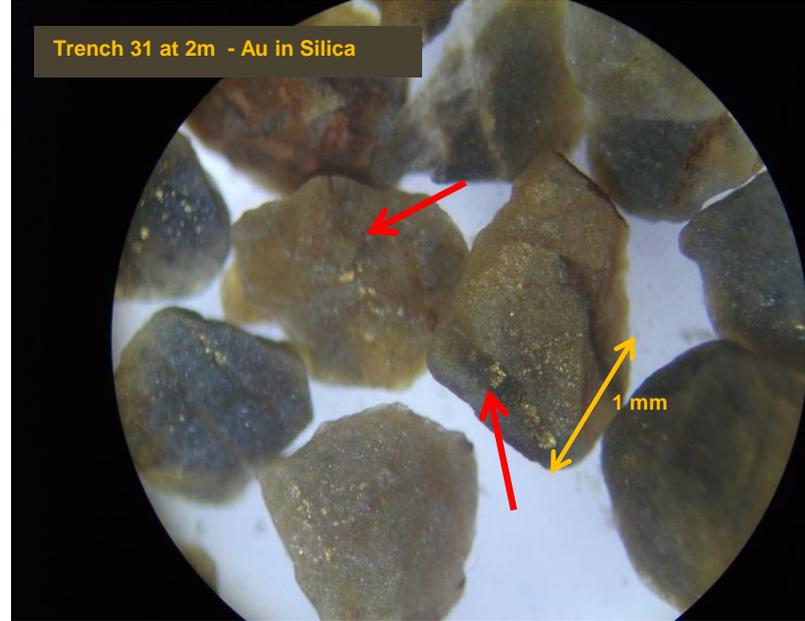
- *Two Australian Top 10 Greenfields Gold intersections (2012)*
- *Pathfinder Association (Ag, As, Sb, Pb, Zn) allows real time XRF recognition*
- *Oxide and Primary high grade mineralisation*

Mineral Observations from the Field

Fi 244 at 101-102m– Roadside Area



Trench 31 at 2m - Au in Silica



Fi 214 at 21- 22m– Roadside Area

- 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

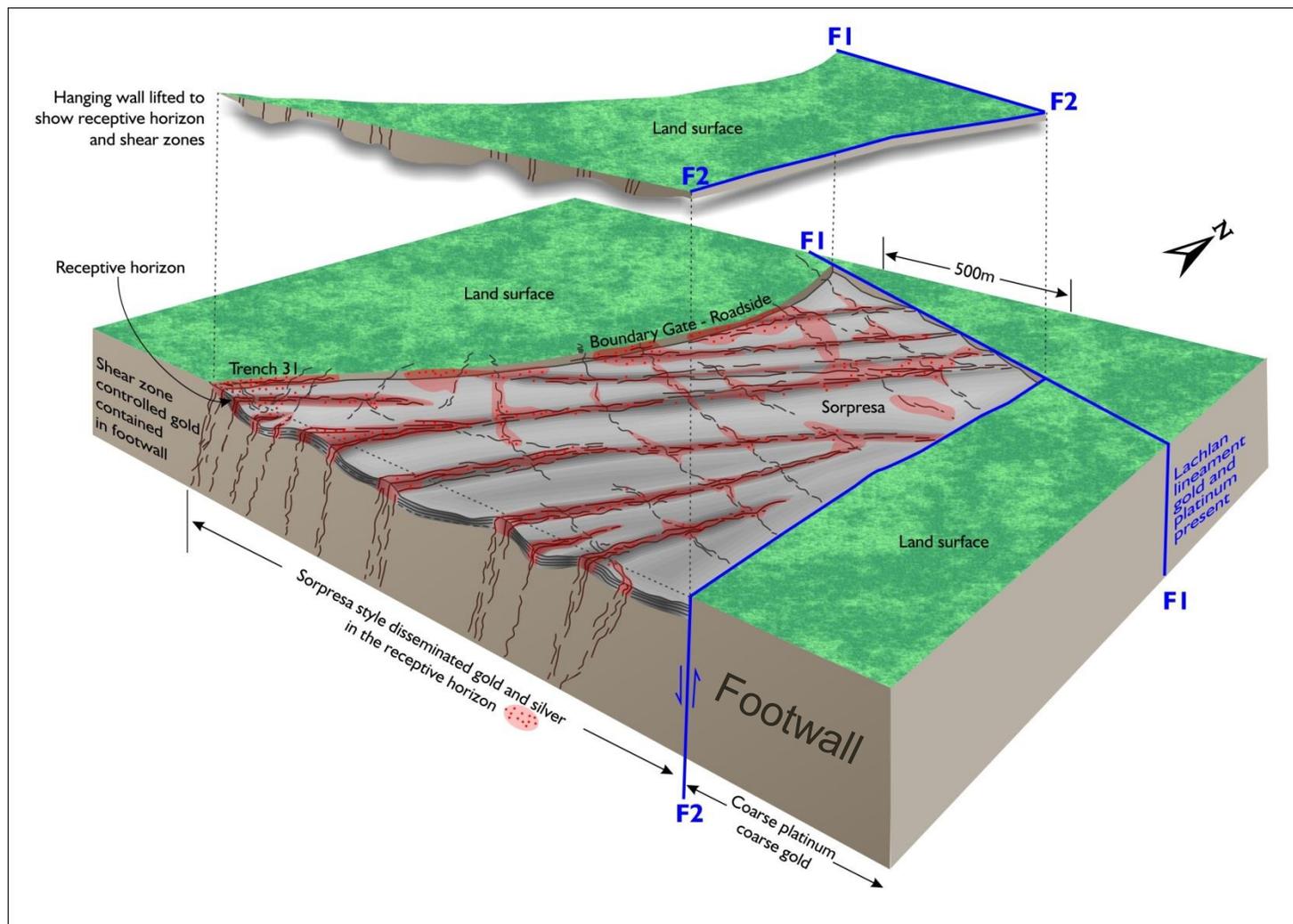
- Oxide zone
- Nodular Ag halides
- 943g/t Ag 20~22m

Metallurgy trials continue...



Black Silica Geology Association

(Model Development Rimfire)



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

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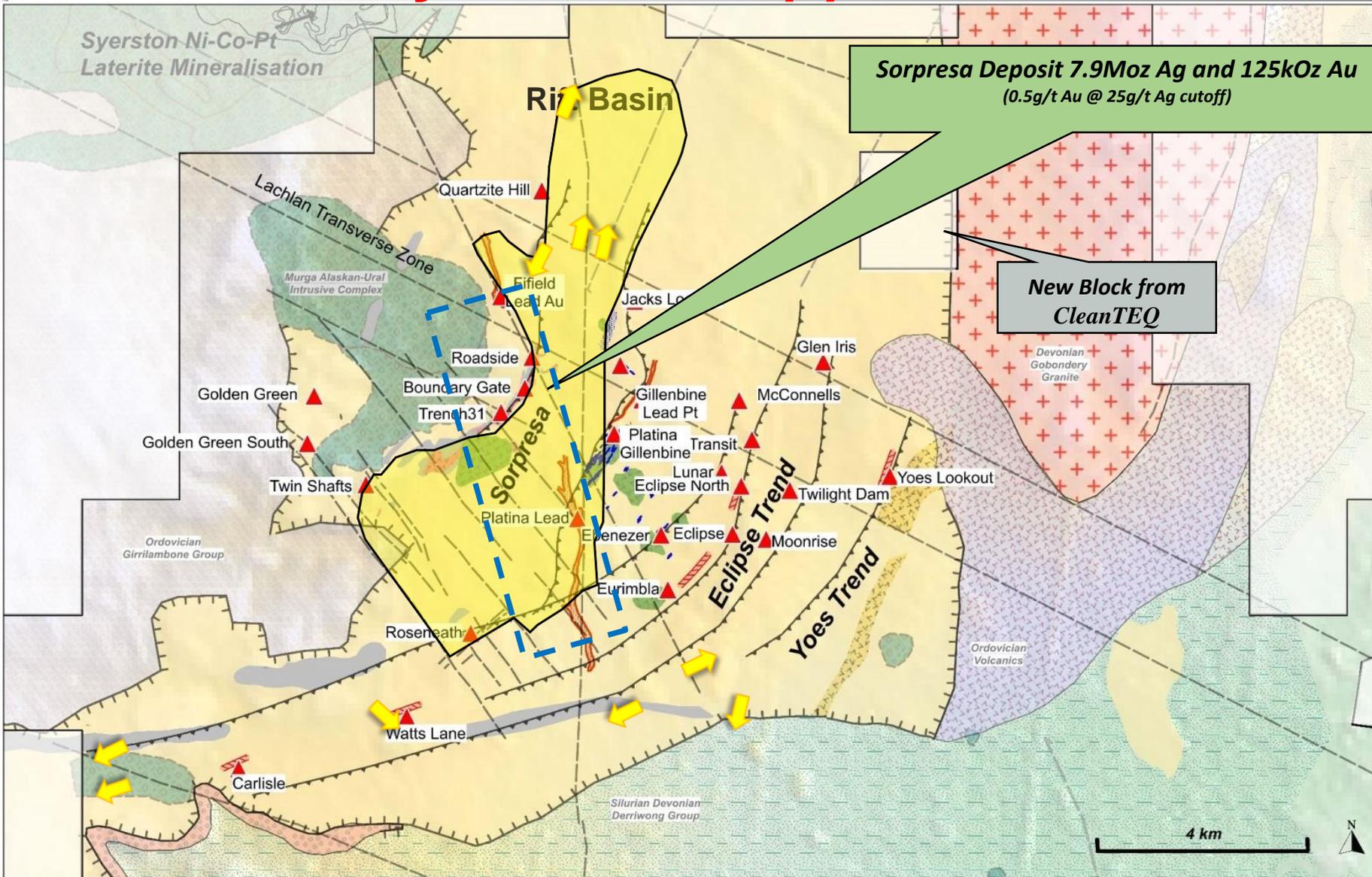
SORPRESA CORRIDOR AND REGIONAL RECONNAISSANCE

Sorpresa the first discovery 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



Discovery Growth Opportunities



Sorpresa style geology with Au potential

Expanded from 11km² to 18km²

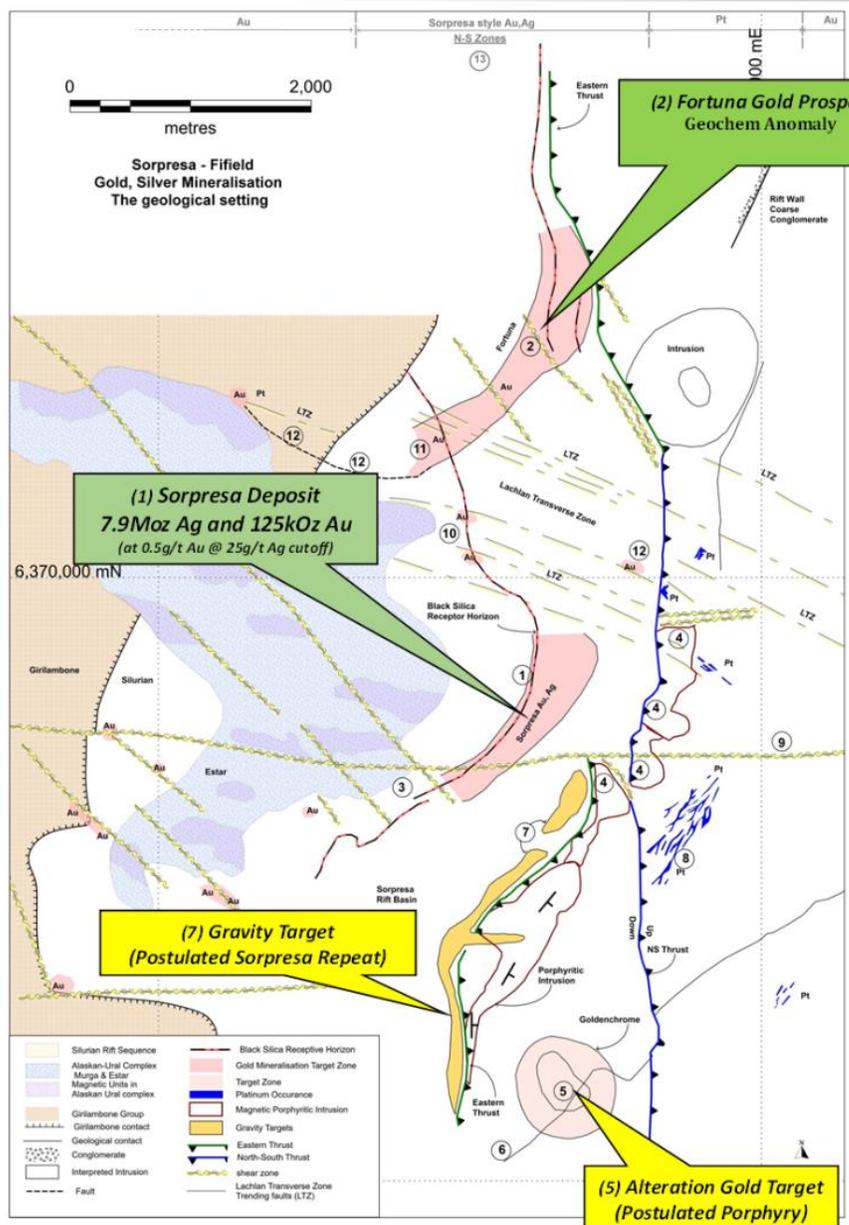


Gravity Survey – drill targets for repeats of Sorpresa Au & Ag

⇒ Discovery Growth

	Gobondery Granite		Edols Conglomerate		Volcanics Dolerite Porphyry		Chert Exhalative Horizon Volcano-Sedimentary Package		Ordovician Volcanics Gorrilambone Group		Platinum Shears Platinum Deep Lead		Structural Lineaments Inferred Thrust Faults
	Derriwong Group		Alaskan Ural Complex Eurimbla Diorite										Unconformity

Discovery Growth – Sorpresa Corridor



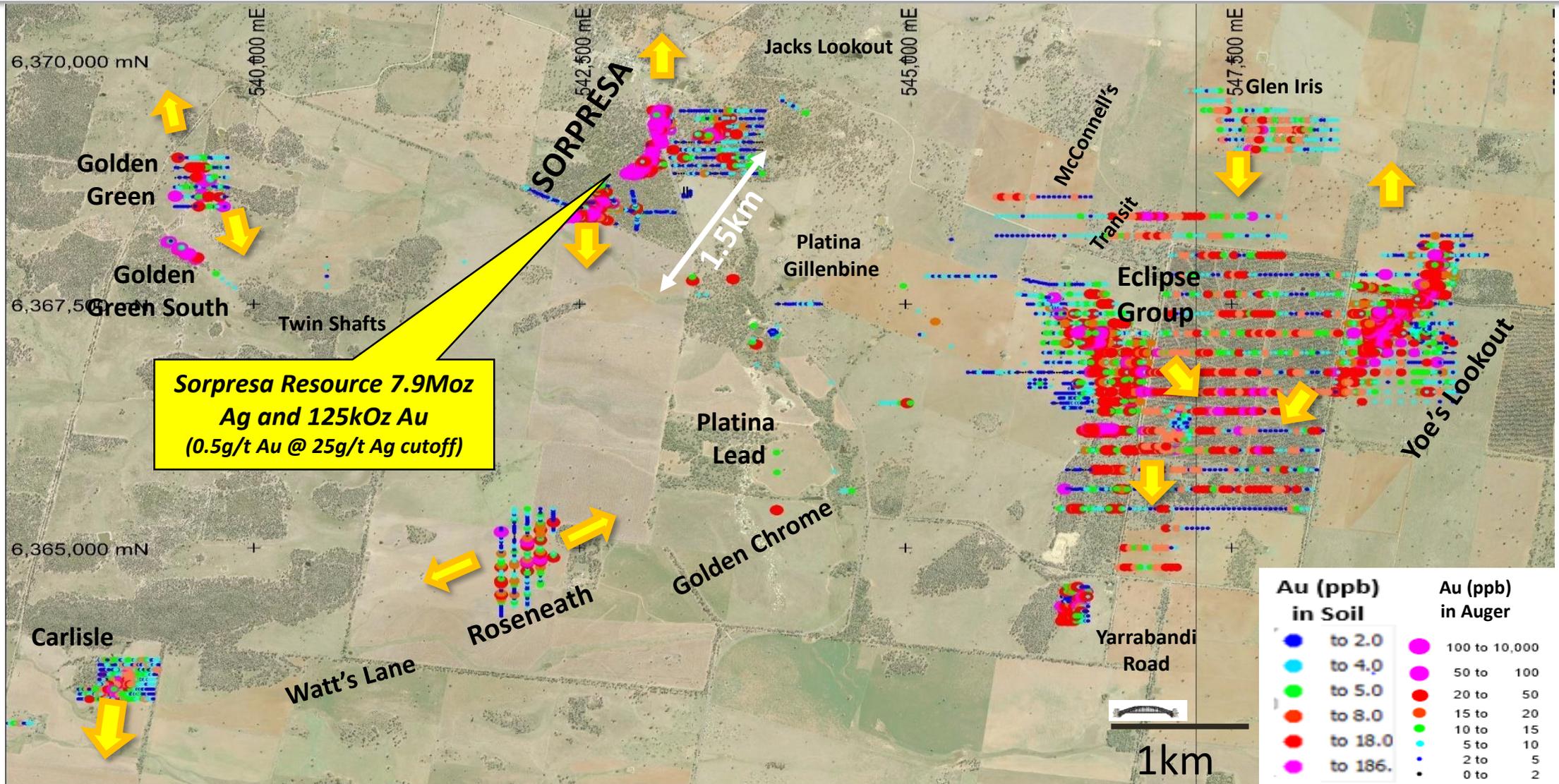
- ❑ Sorpresa “is proof of Concept” for Au potential
- ❑ Corridor 7km x 2km, North – South Orientation
 - ❑ 13 prospective target areas
- ❑ **Fortuna Prospect (2)** stronger order geochem
- ❑ **Gravity Repeat (7)**, Sorpresa style under cover?
- ❑ Intense Alteration zone **Gold Porphyry target (5)**
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

➔ **Discovery Growth**

Fifield Central NSW

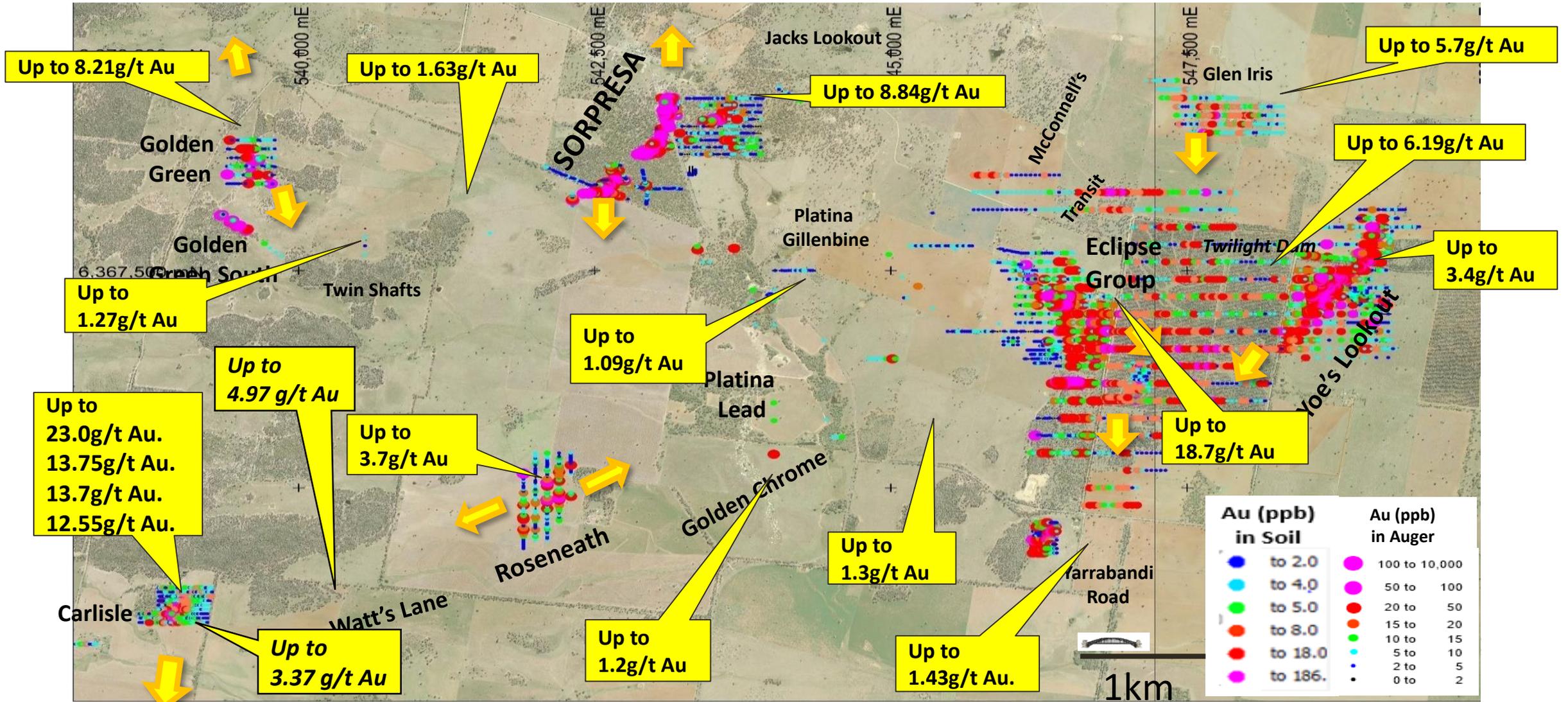
COPPER – GOLD FOOTPRINT ESTABLISHED

Regional Exploration - Auger & Soils (2015)



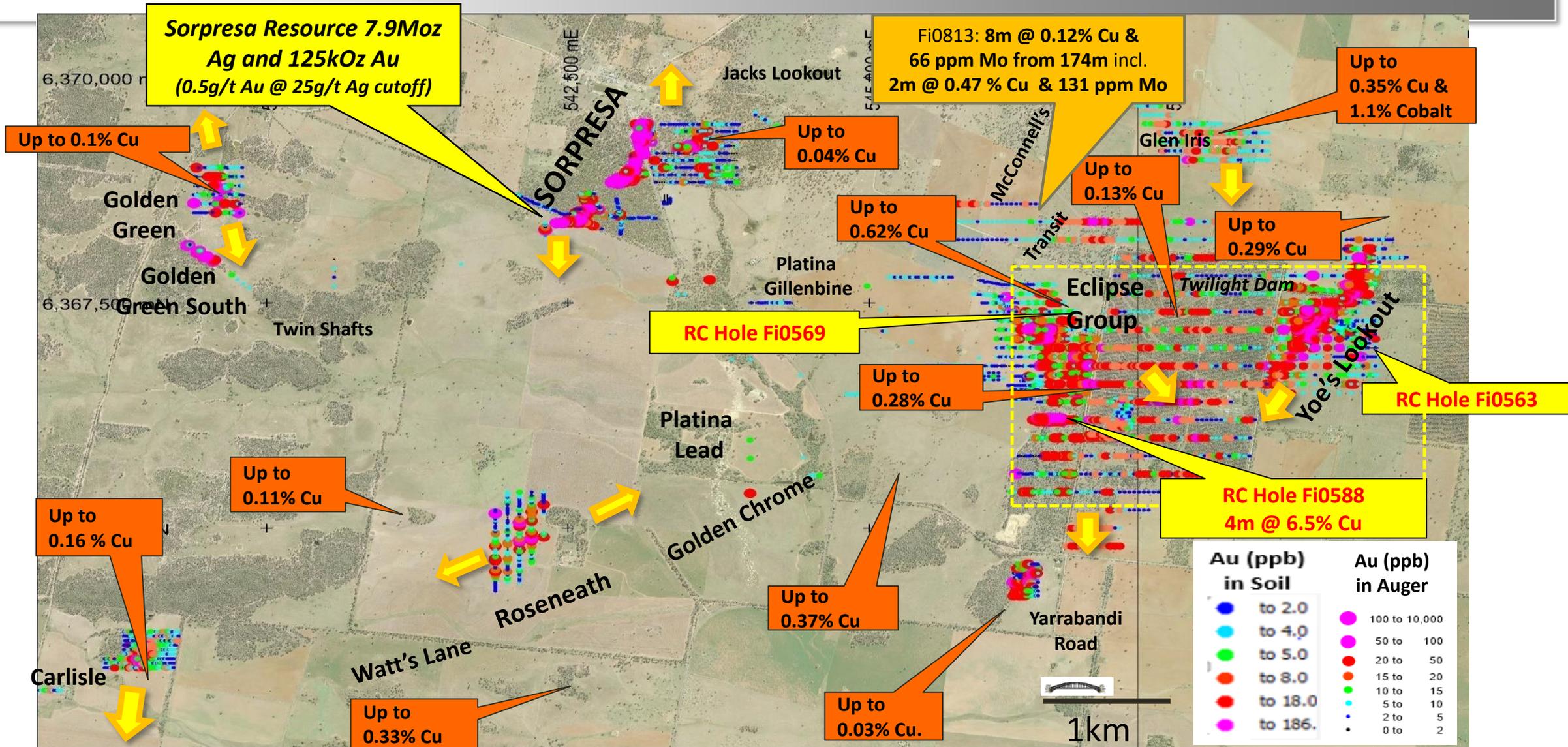
Gold geochemistry in Auger and Soils

Regional Gold Footprint - Rock Chips Shown



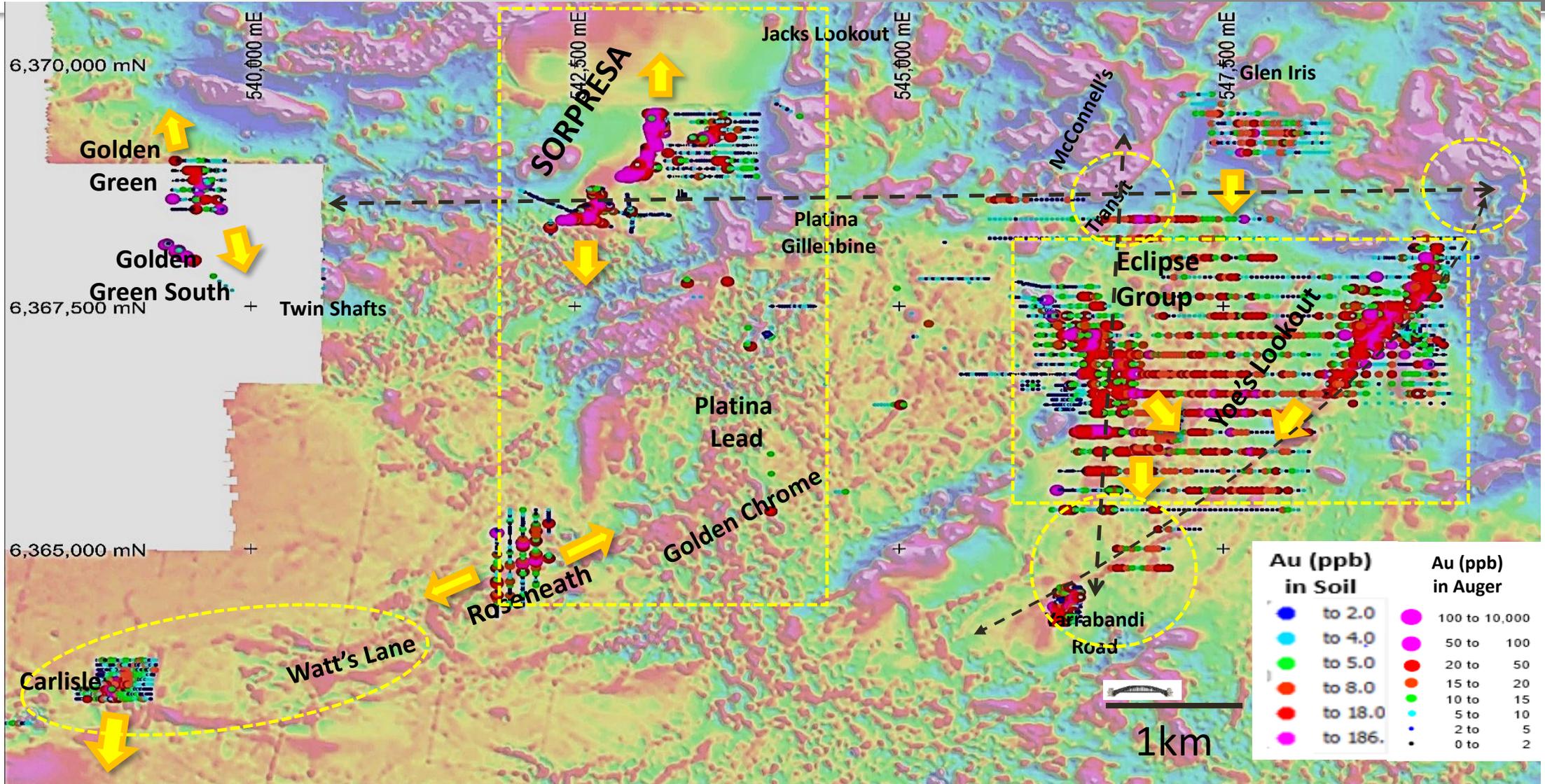
A gold district has emerged

Regional Exploration - Copper Rockchips on Gold



A gold and copper district has emerged!

Regional Magnetics - Auger & Soils, Gold



Sorpresa is the first discovery but likely not the last

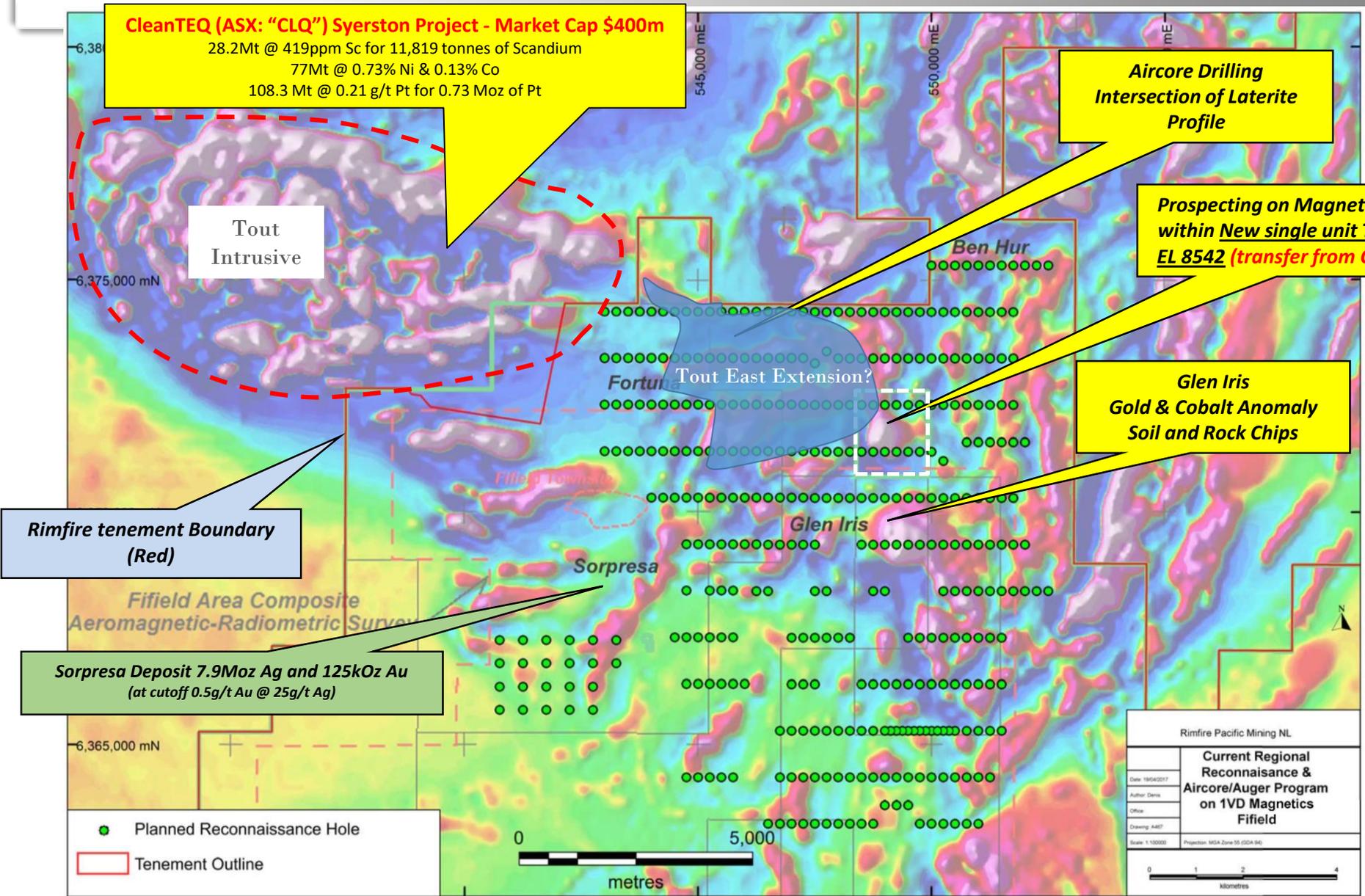
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TOUT EAST EXTENSION CONCEPT

Summary – Potential of Tout 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
 - ❑ Possible Ni, Co, Sc metals as per similar deposits to the north
- ❑ Next phase assessment planning

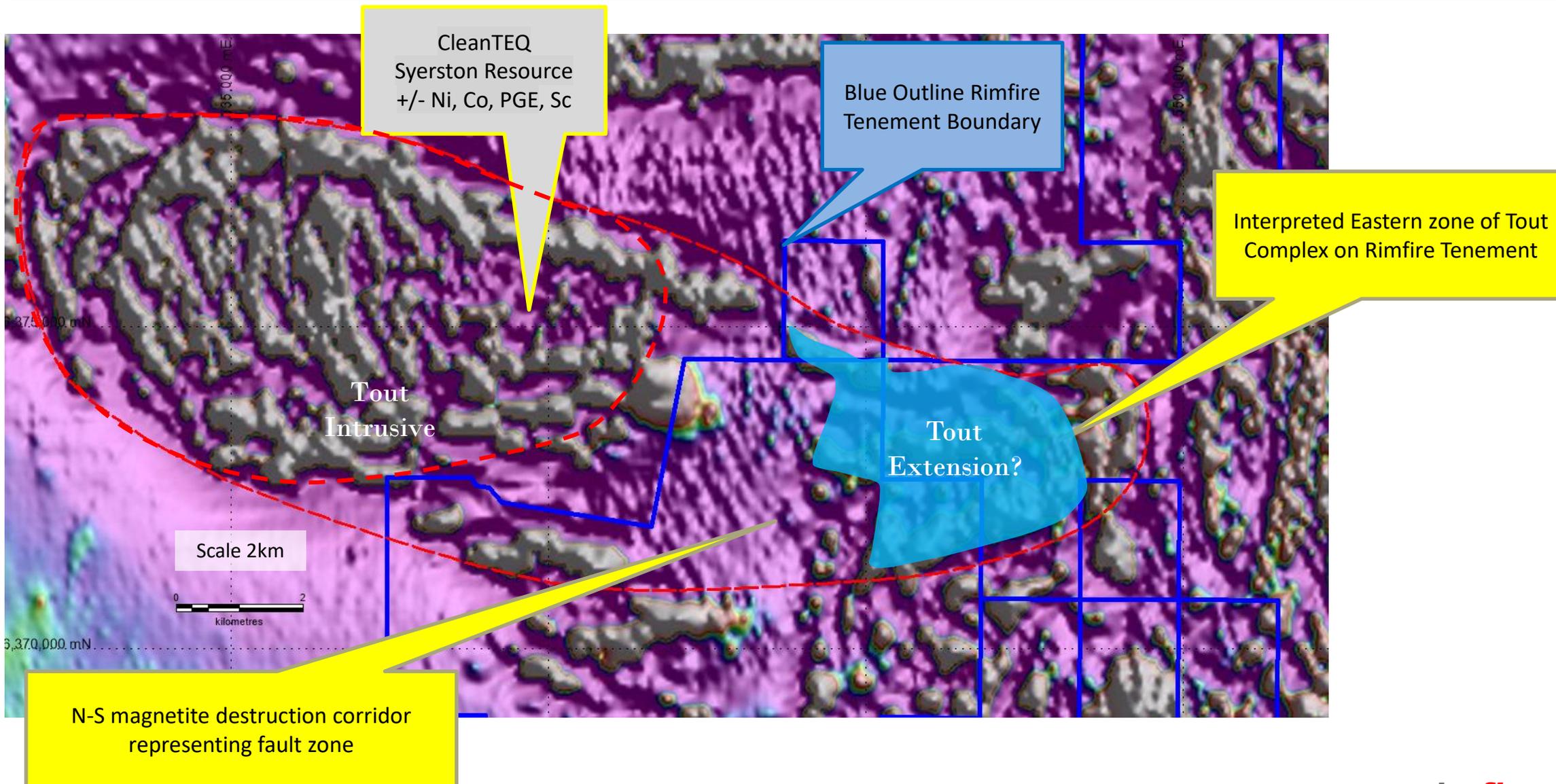
Expand Regional Geochemistry – Aircore/Auger



New Gold Program



District Picture – Tout East Extension?





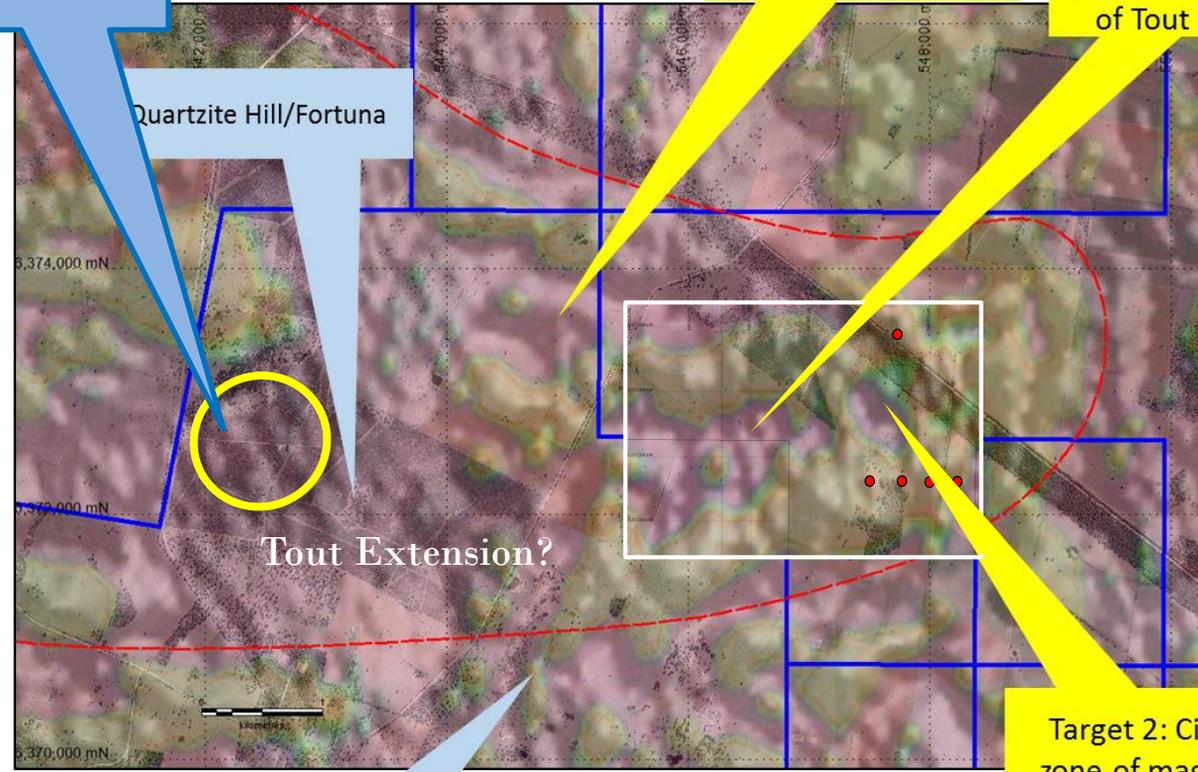
Potential Targets – RTP 1VD Magnetics

- RTP 1VD Magnetic Images showing Tout Intrusive Complex (red line), Interpreted Eastern Zone area of interest (yellow outline), points of interest (yellow text boxes) and prospects (blue text boxes)
- Three prospective targets identified from magnetics, showing low zones that may be caused by metasomatic magnetite destruction related to mineralisation
- Quality of state magnetic dataset makes interpretation less certain. New Magnetic data will improve this.

Vermiculite Intersection

Target 3: E-W trending corridor of magnetite destruction within potential extension of Tout Complex

Target 1: E-W trending corridor of magnetite destruction within potential extension of Tout Complex



Syerston Resource

Interpreted Eastern zone of Tout Complex on Rimfire Tenement

Tout Intrusive

Tout East Extension?

N-S magnetite destruction corridor representing fault zone

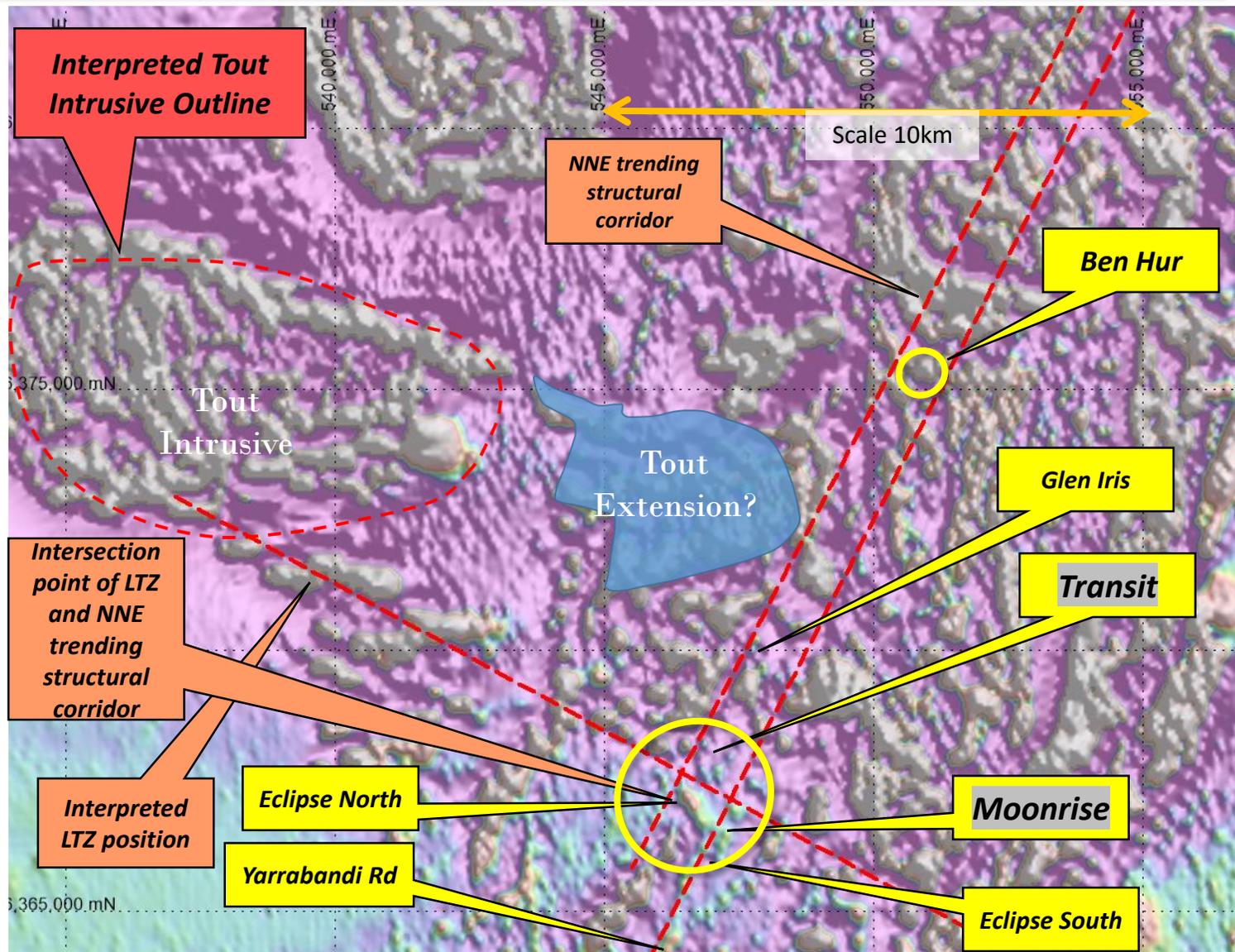
Jack's Lookout

Target 2: Circular zone of magnetite destruction within surrounding magnetic high



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)



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SUMMARY WORK AND VALUE DRIVERS

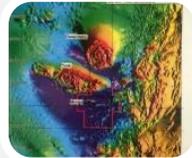
Iterative Discovery Methodology with Testing



Complete the determination of data gap analysis with New Gold Inc. - Geology, Geochemistry, Mapping and Geophysics Interpretations



First past drill testing RC and Diamond Drilling of selected areas to build knowledge in 3D, refine understanding, utilise geophysics



District surface sampling ongoing (creeks, soil; auger, RAB) geochemistry, new concepts & prospect generation



Refine anomalies for follow up testing with further RC and Diamond drilling – continue on an iterative basis



Objective - Build Discovery Inventory - A major opportunity for Copper-Gold discovery

Rimfire... Value Drivers for Investors

- ❑ ***Fifield NSW District within LTZ – The Right Address for World Class Discoveries***
 - ❑ *LTZ is already host to many existing Copper-Gold mines – Recognised globally*
 - ❑ *Good infrastructure, road, power, skilled labour*
- ❑ ***Multimillion Ounce gold equivalent potential, multiple deposit styles***
 - ❑ *Project Area Under Explored - Greenfields*
 - ❑ *Favourable commodity focus (Gold, Silver, Copper, Platinum)*
 - ❑ *An established discovery Track Record – Sorpresa Gold and Silver Resource – Proof of Concept*
- ❑ ***New Gold Inc. Strategic Partnership provides many benefits***
 - ❑ *Committed capital and reduced Rimfire shareholder funding*
 - ❑ *Excellent personnel and culture*
 - ❑ *Relevant expertise including as mine developer/operator*
 - ❑ *Gives flexibility to Rimfire (15% spend, plus additional spend options)*
 - ❑ *Genuinely collaborative*



Rimfire... Value Drivers for Investors

- ❑ **Capacity for new discoveries, keep us on the radar**
- ❑ **Rimfire Bench Marked Superior to many Junior Peers**
 - ❑ *Market Capitalization and strong funding - respectable financial position*
 - ❑ *Efficiency (well managed overheads)*
 - ❑ *Performance (Sorpresa discovery costs extremely low, and highly effective)*
 - ❑ *Strong partner backing*
- ❑ **Portfolio Pyramid of more than 30 ranked prospects**
 - ❑ *Mitigates risks in exploration performance*
- ❑ **Catalysts that can improve share price and shareholder value ...**
 - ❑ *Expected large number of Drill targets to be tested*
 - ❑ *Regional Discovery Growth Copper-Gold*
 - ❑ *Sorpresa Resource Area Growth (less than 10% of >18km² geology tested)*



“Quality assets well partnered with New Gold - high growth potential”

 *Please stay tuned for updates at Fifield*



Thank you

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- ❑ **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).*

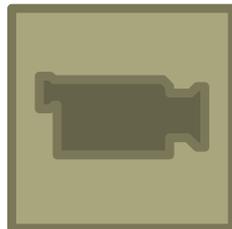
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APPENDICES ADDITIONAL INFORMATION

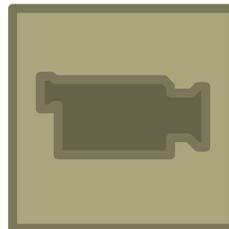
Appendix – Additional Information

- ❑ **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)

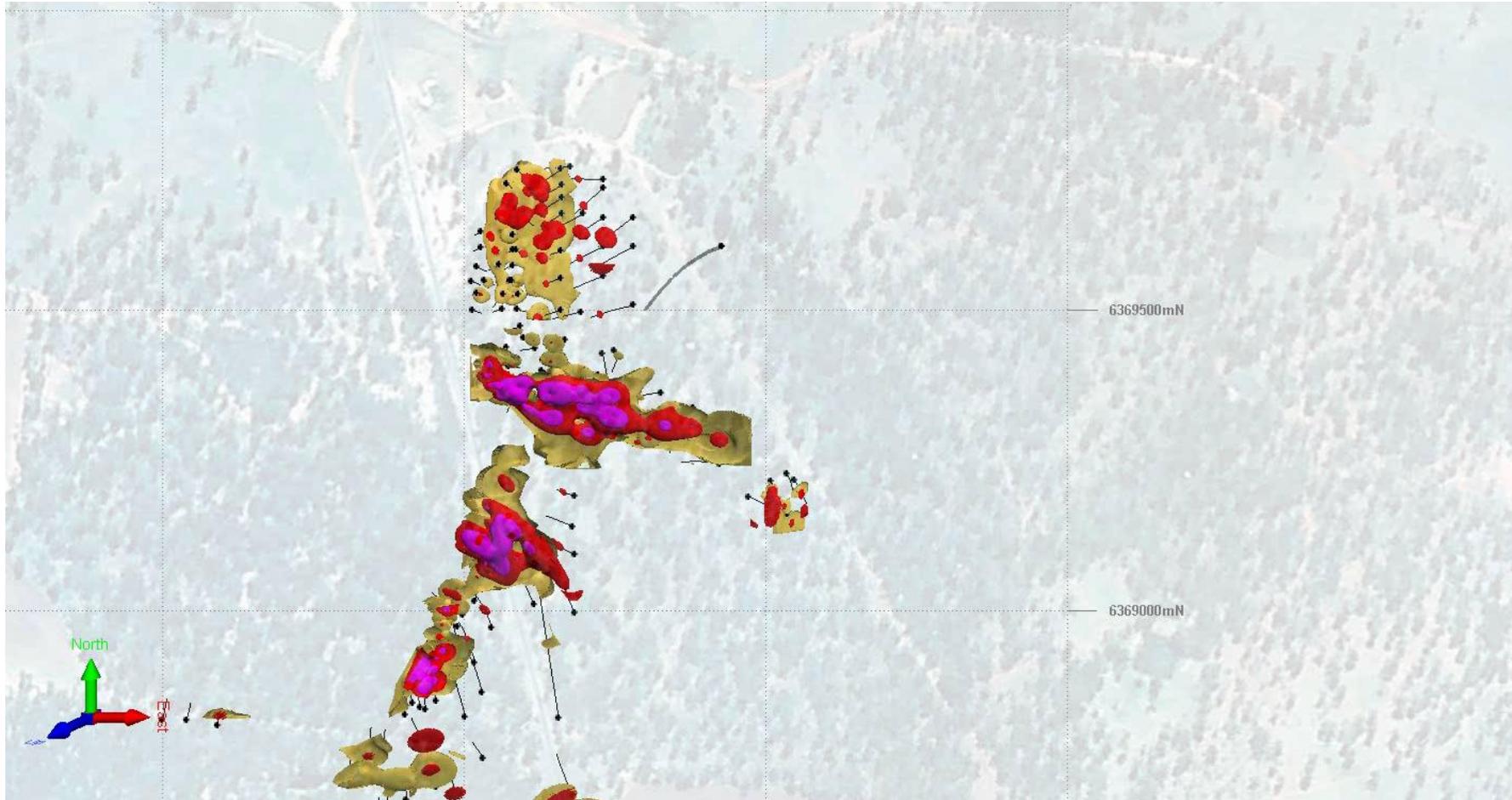
[Trench 31 Discovery
2010 Video](#)



[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	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

✓ 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 – 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

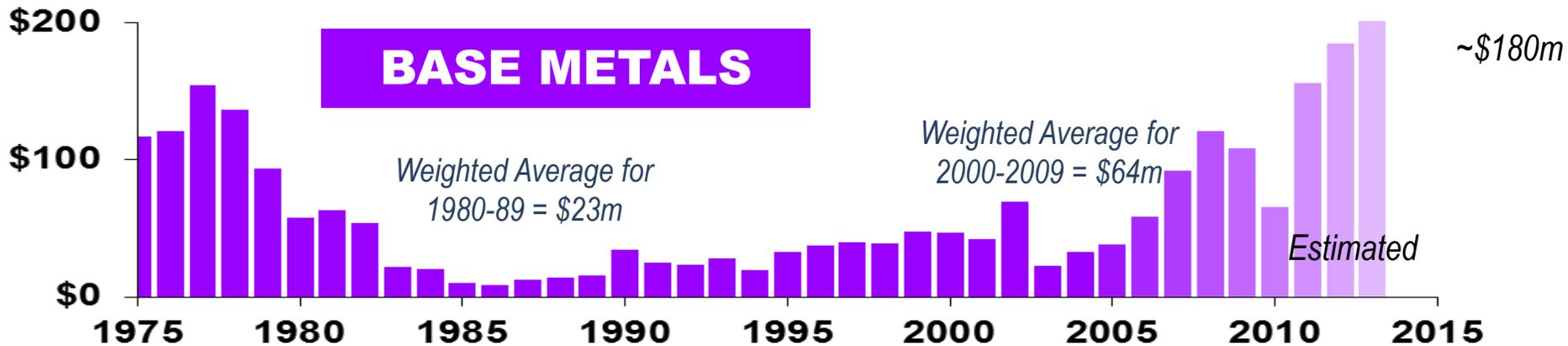
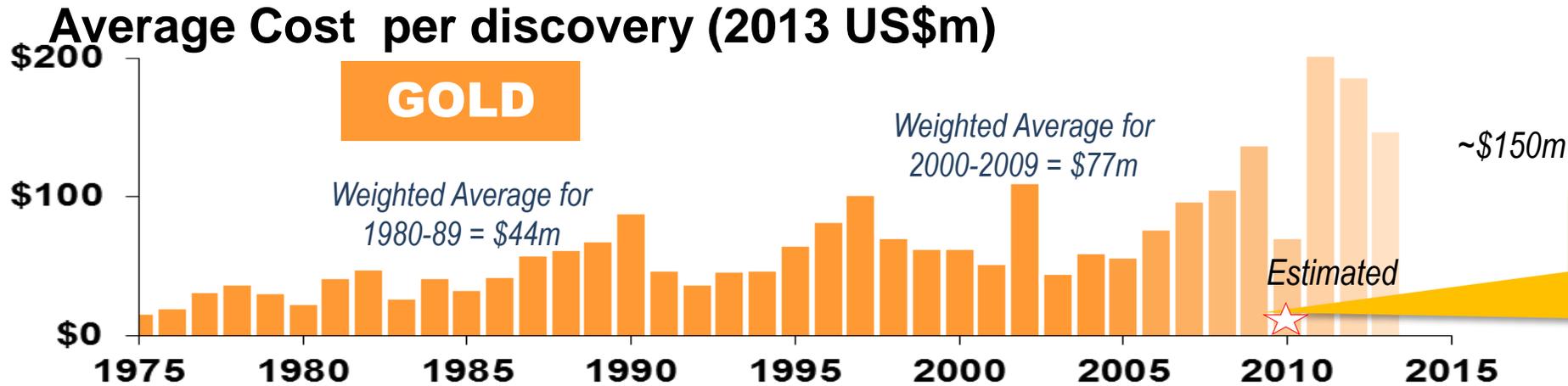
Note 1, 2 and 3 : These are exploration targets only under the JORC 2012 Code and do not constitute a resource as insufficient work has been done to date.

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HISTORIC BENCHMARKING OF RIMFIRE

Discovery costs are rising

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



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

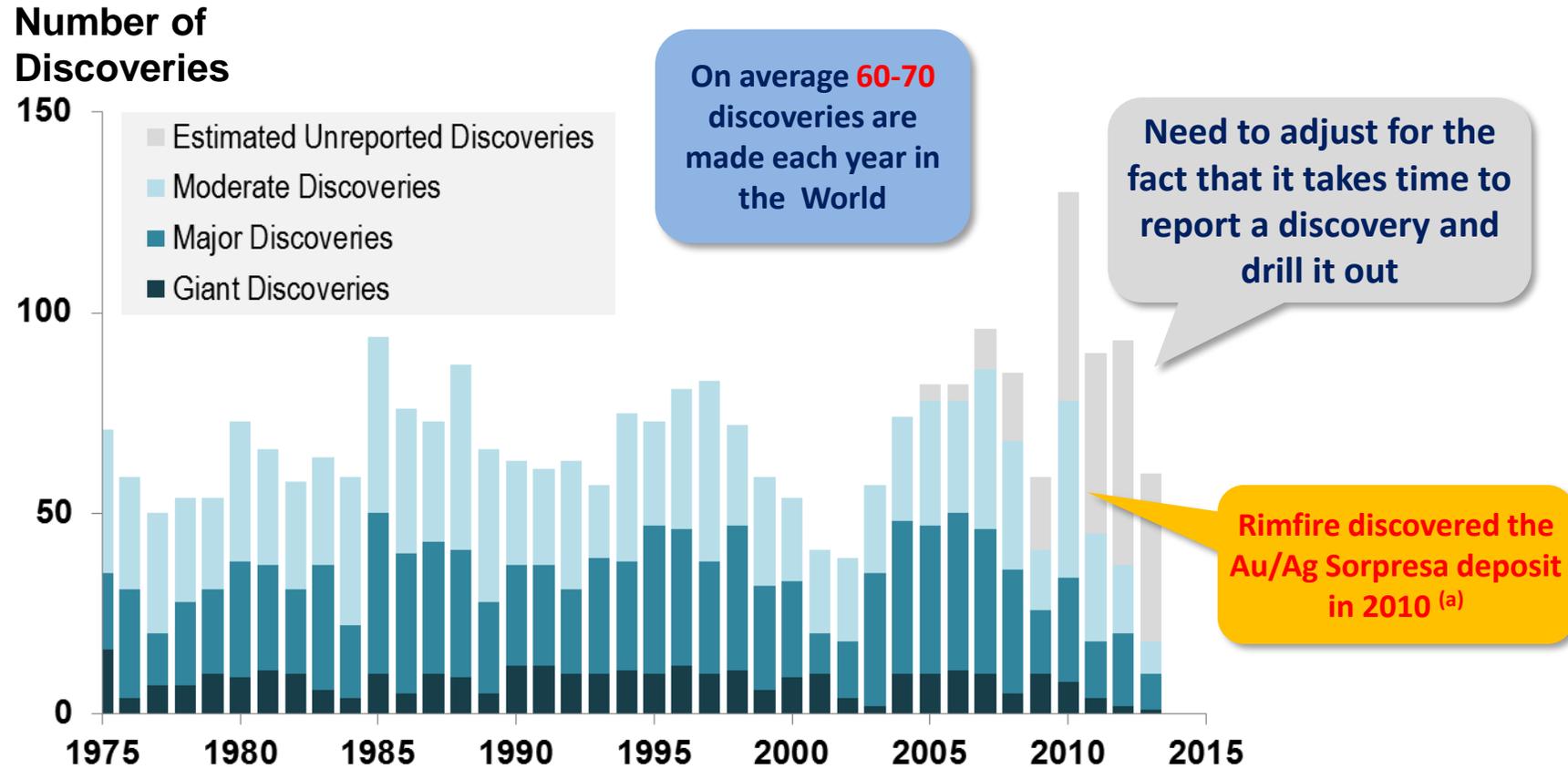
Exploration is a high-risk/high-reward activity

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

Number of significant discoveries made

Non-Bulk discoveries World: 1975-2013



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

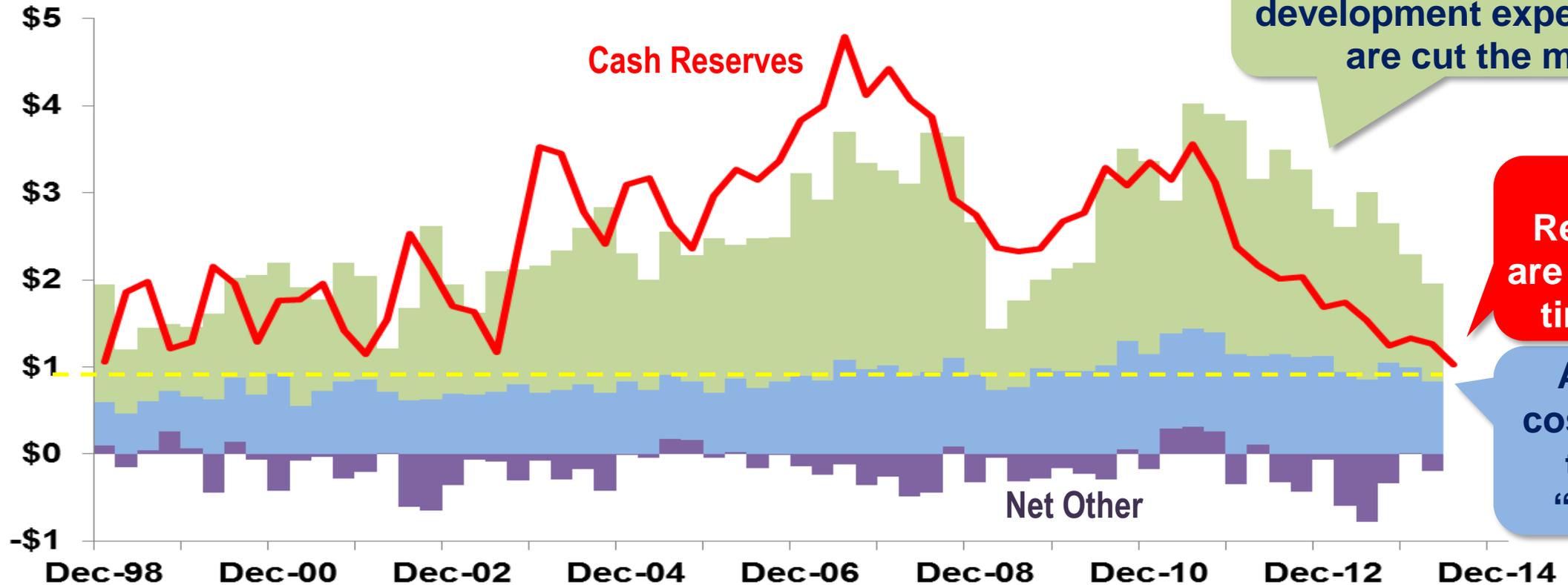
(a) A Resource Statement has nowt been released for Sorpresa - ASX 23 Dec 2014

Source: MinEx Consulting © September 2014

Cash Reserves and Expenditures have dropped dramatically

MEDIAN Australian Junior Exploration Company : 1998-June 2014

2013 A\$ Million pa



During a downturn, "in-field" exploration & development expenditures are cut the most

Cash Reserves are at an all-time low

Admin costs tend to be "fixed"

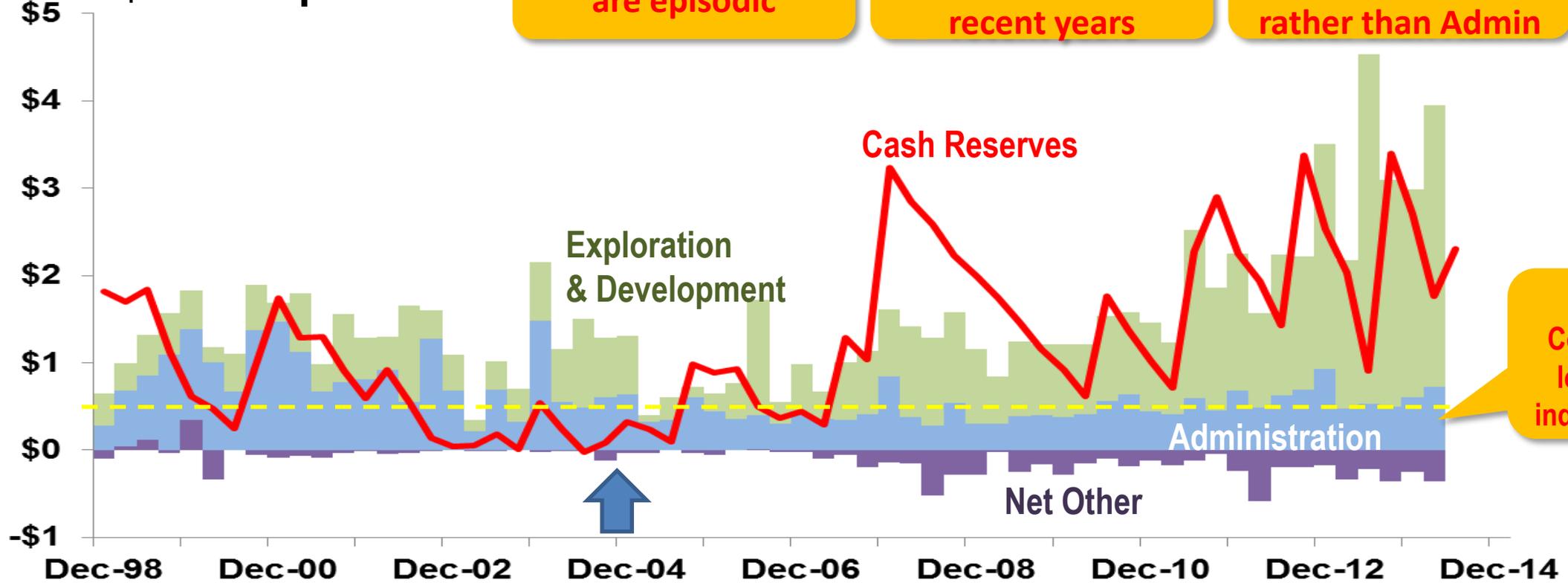
Note: Survey based on a sample of 125 junior exploration companies listed on the ASX between 1998-2014
"Net Other" includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
Quarterly spend data has been multiplied by 4x to produce an annualised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

2013 A\$ Million pa



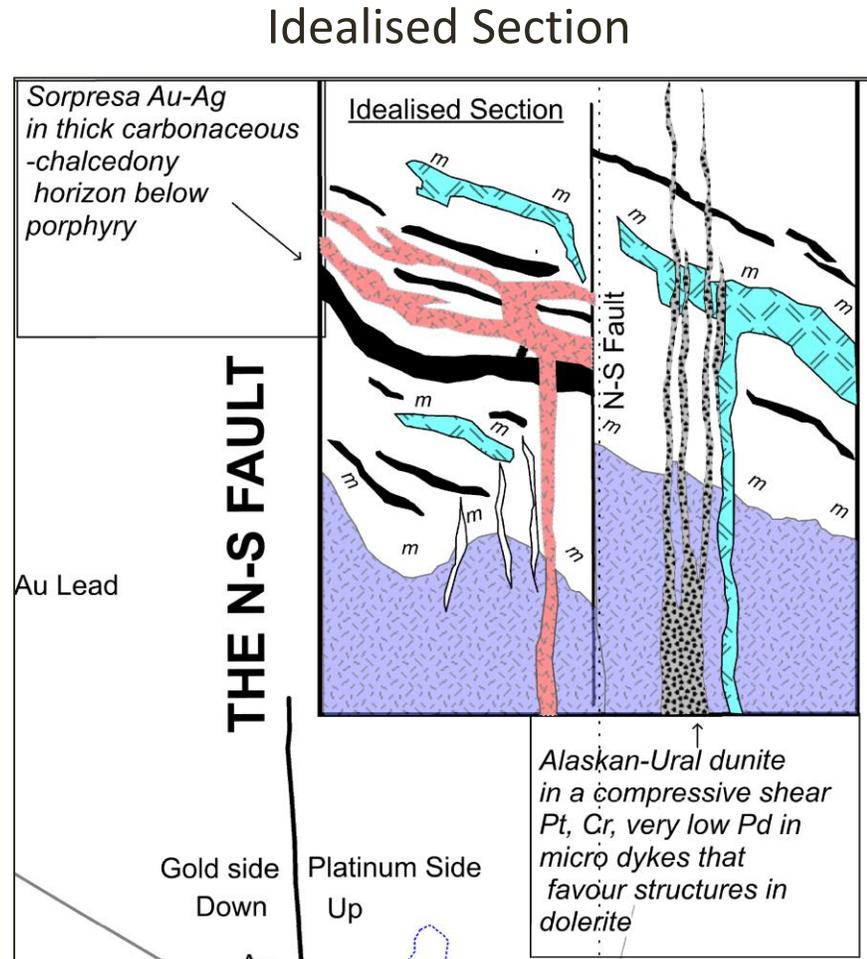
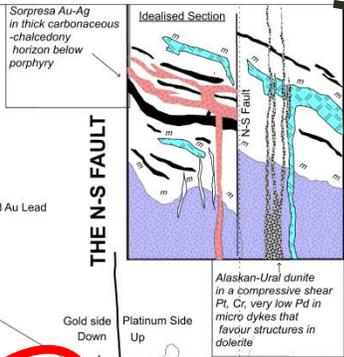
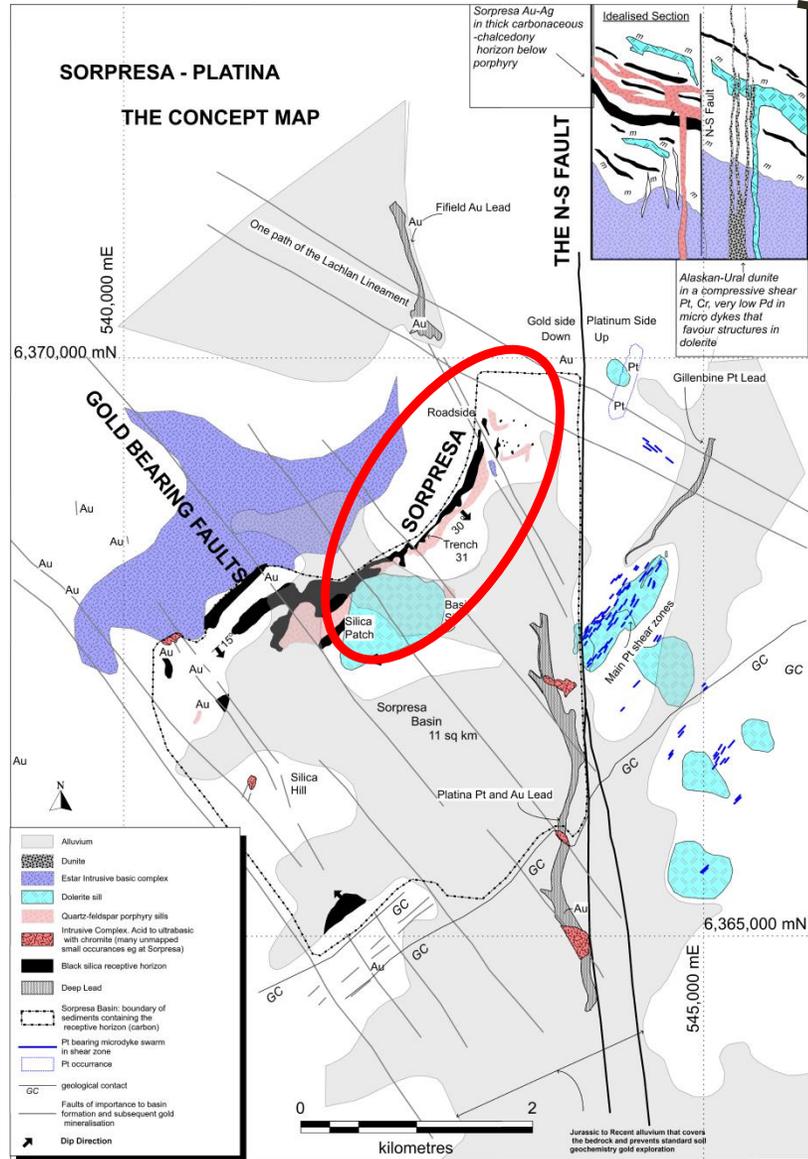
Note: "Net Other" includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
 Quarterly spend data has been multiplied by 4x to produce an annualised spend rate

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

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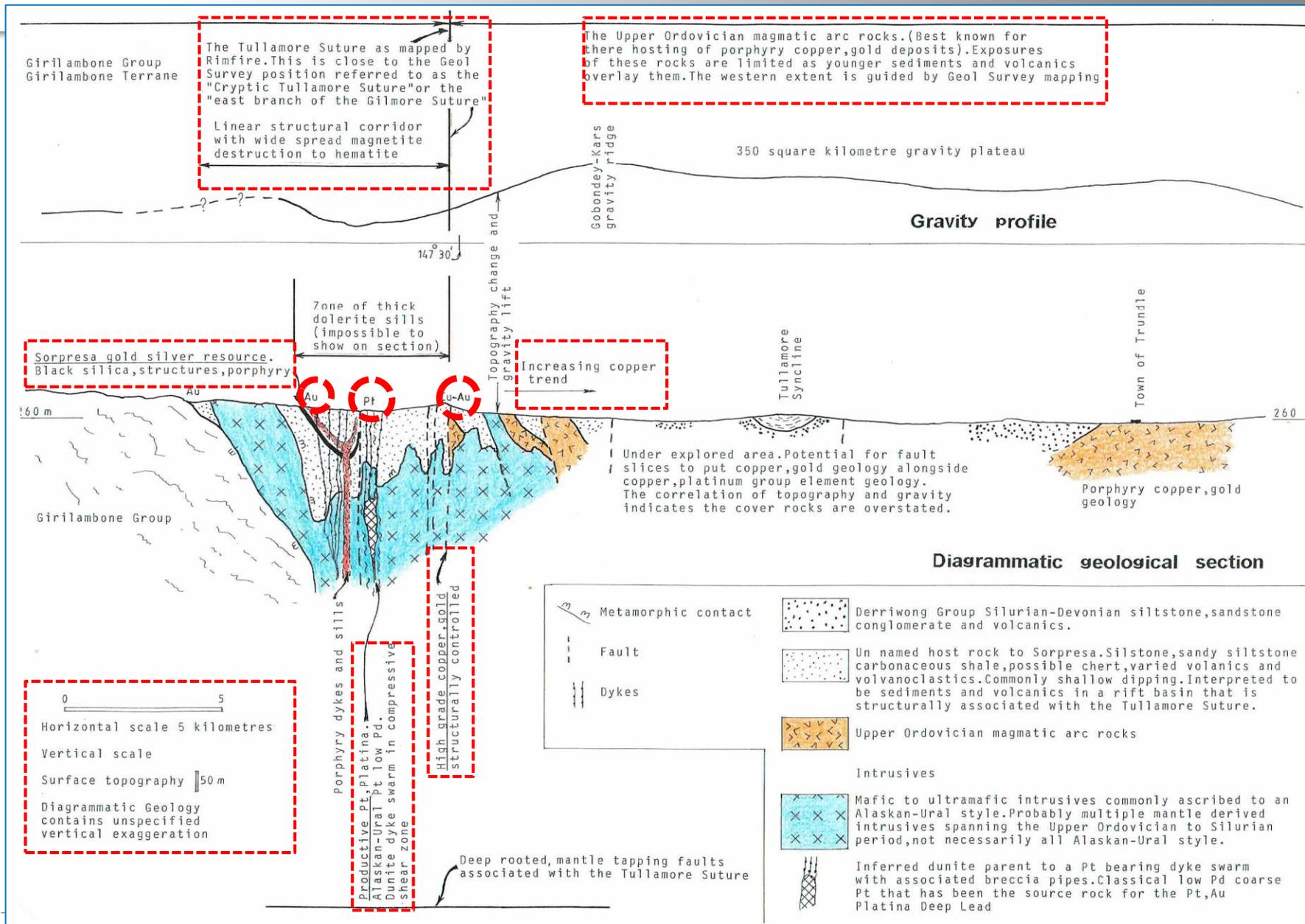
FIFIELD REGIONAL MODEL, GEOLOGY AND STRUCTURE CONTEXT

Sorpresa - Concept Map (Rimfire 2016)



□ Porphyry conduits provide sills above receptive horizon

District Model (Rimfire 2016)



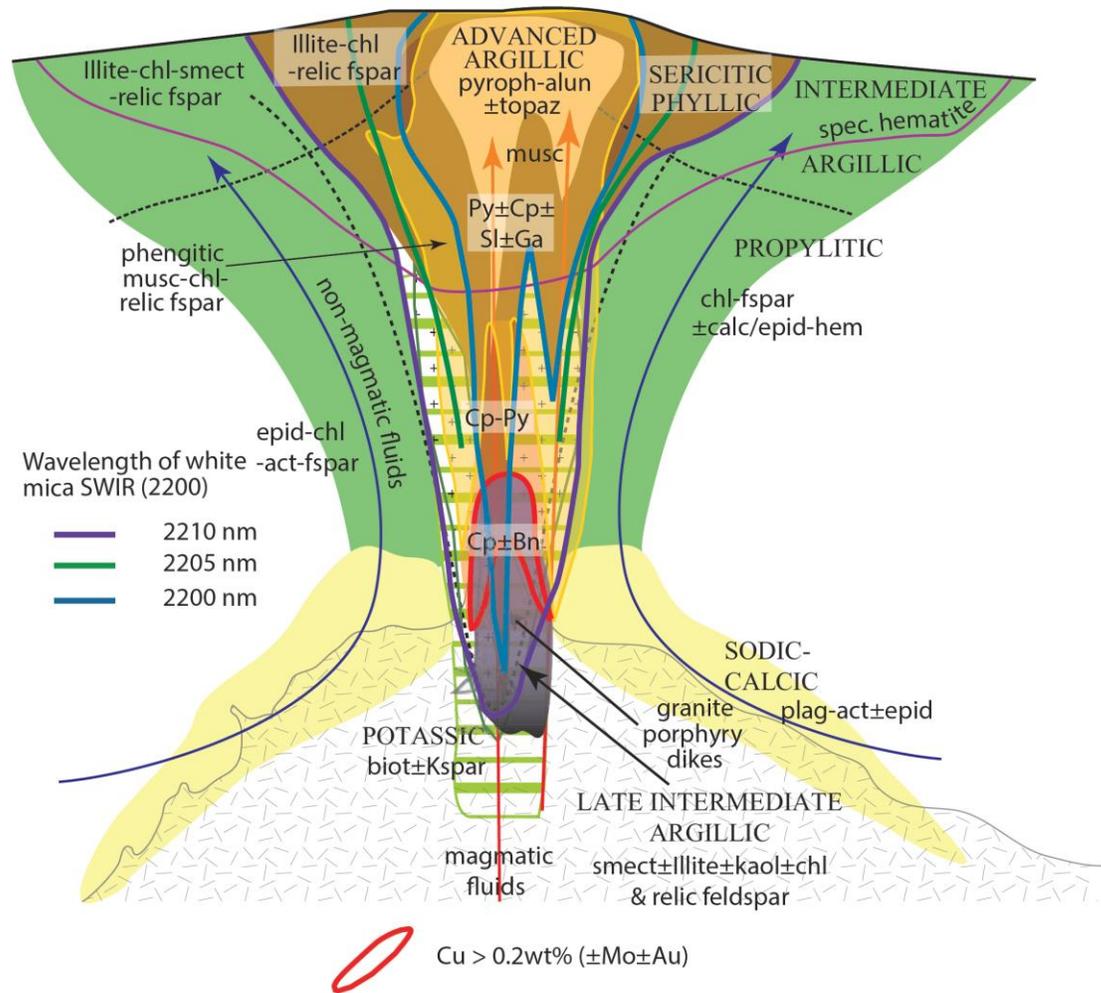


A Generic Conceptual Porphyry Model

(Does NOT imply this model applies at Fifiield. A general Porphyry model shown for Alteration and Metal Zonation)

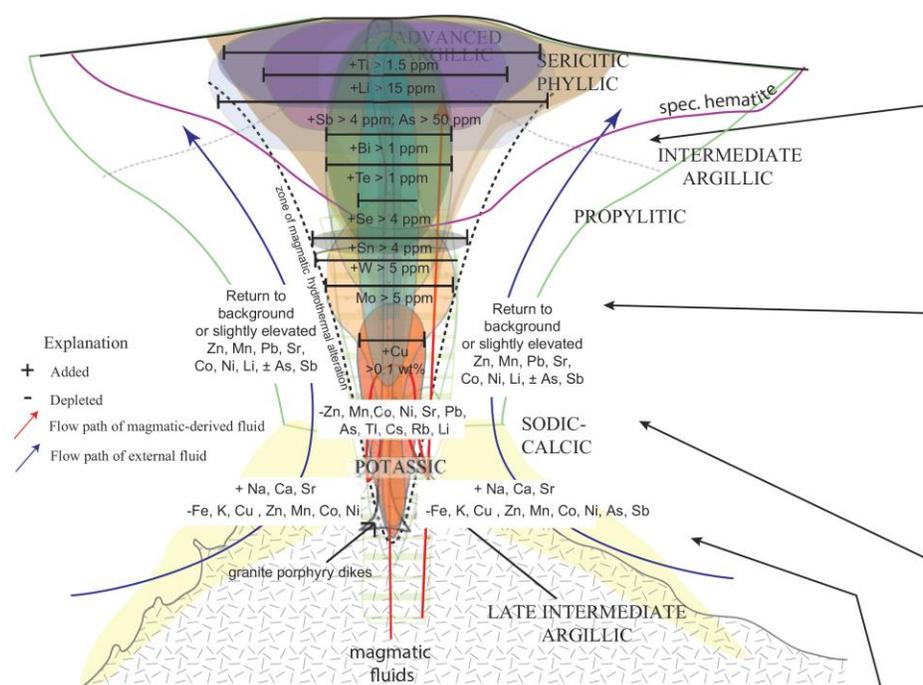
Hydrothermal Alteration Assemblages

a.) Hydrothermal alteration assemblages



Element Distribution

b.) Vertical distribution of elements



c.) Lateral distribution of elements

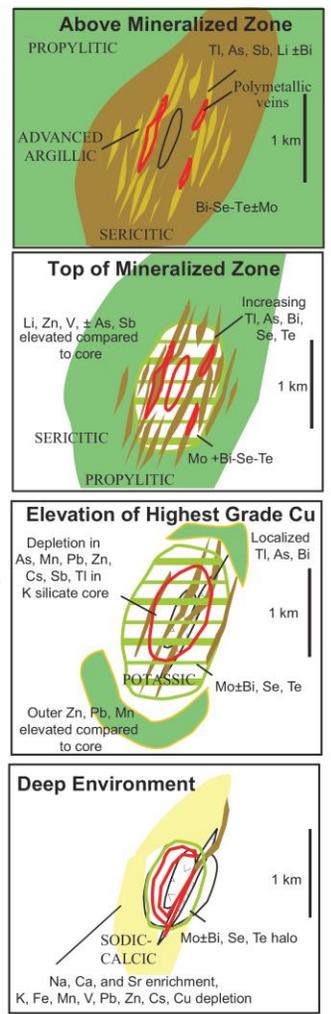


FIGURE 1. (Cont.) b.) Vertical variations in trace elements in a porphyry Cu system. c.) Schematic changes in hydrothermal alteration assemblages and trace elements through a porphyry Cu system viewed as a series of map views through a vertical system.