



rimfire pacific mining nl
(ASX "RIM")

AGM Presentation November 2013

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- ❑ **Competent Person Statement:** *The information in the report to which this statement is attached that relates to Exploration Results is compiled by Mr Colin Plumridge, who is a Member of The Australian Institute of Mining and Metallurgy, with over 40 years experience in the mineral exploration and mining industry. Mr Plumridge is employed by Plumridge & Associates Pty. Ltd. Mr Plumridge has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which is being undertaken to qualify as a Competent Persons as defined in the 2004 edition of the “Australian Code for Reporting of Mineral Resources and Ore reserves”. Mr Plumridge consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*



Presentation Outline



Introduction and Corporate Update

Fifield Prospectivity – Correct Geological Setting

Recent Developments and Activity

Exploration Acceleration

Genetic Model and District Implications

Summary Position



Company Profile – 20th Nov 2013

Shares on Issue

- Placement and SPP 76M shares at 4.3 cents, Sept 2013, \$3.3M gross, 12% dilution
- 687M Ordinary FP

Market Cap. Approx. \$24M @3.5 cents

Share Price Movement

- 2012 High 9.3 cent (Oct), Low 2.5 cent
- 2013 High 7.5 cent (Jan), Low 3.0 cent (Nov)

Volume

- Feb-Sept approx. 407,000 shares/day
- Largest 5.3m shares/day

Shareholders Profile

- Management 9%
- Top 20 Holders 33%
- Top 100 Holders 63% (cut-off 1.35M shares)
- 2,095 shareholders

Cash Status 30 September 2013

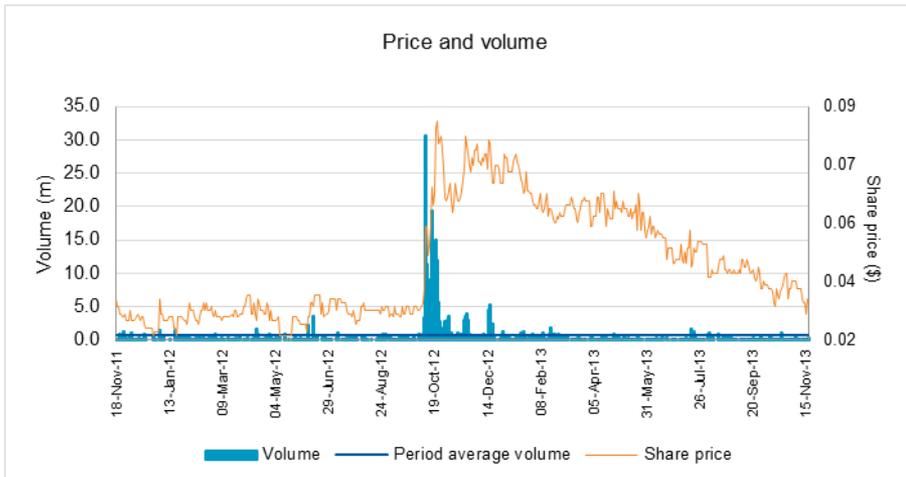
- \$3.42m



Share Price Performance



Note: XKR is S&P/ASX 300 RESOURCES; XMR is S&P/ASX MIDCAP RESOURCES; XTR is S&P/ASX 100 RESOURCES



- ❑ Above average to indices
- ❑ Compare very well to exploration sector
- ❑ Gold and Silver Price decline 30%
- ❑ Exploration Sector major correction
- ❑ Market Cap is well placed ~top 200/760



Key Precious Metal Trends

Gold 2012



Gold 2013



Silver 2012



Silver 2013



- ❑ Major Corrections last 12 months
- ❑ Off the bottom - just
- ❑ Bulls include Rick Rule, US-based resource investor, Chairman of SPOTT US HOLDINGS





Key Precious Metal Trends - Platinum

Platinum 2012



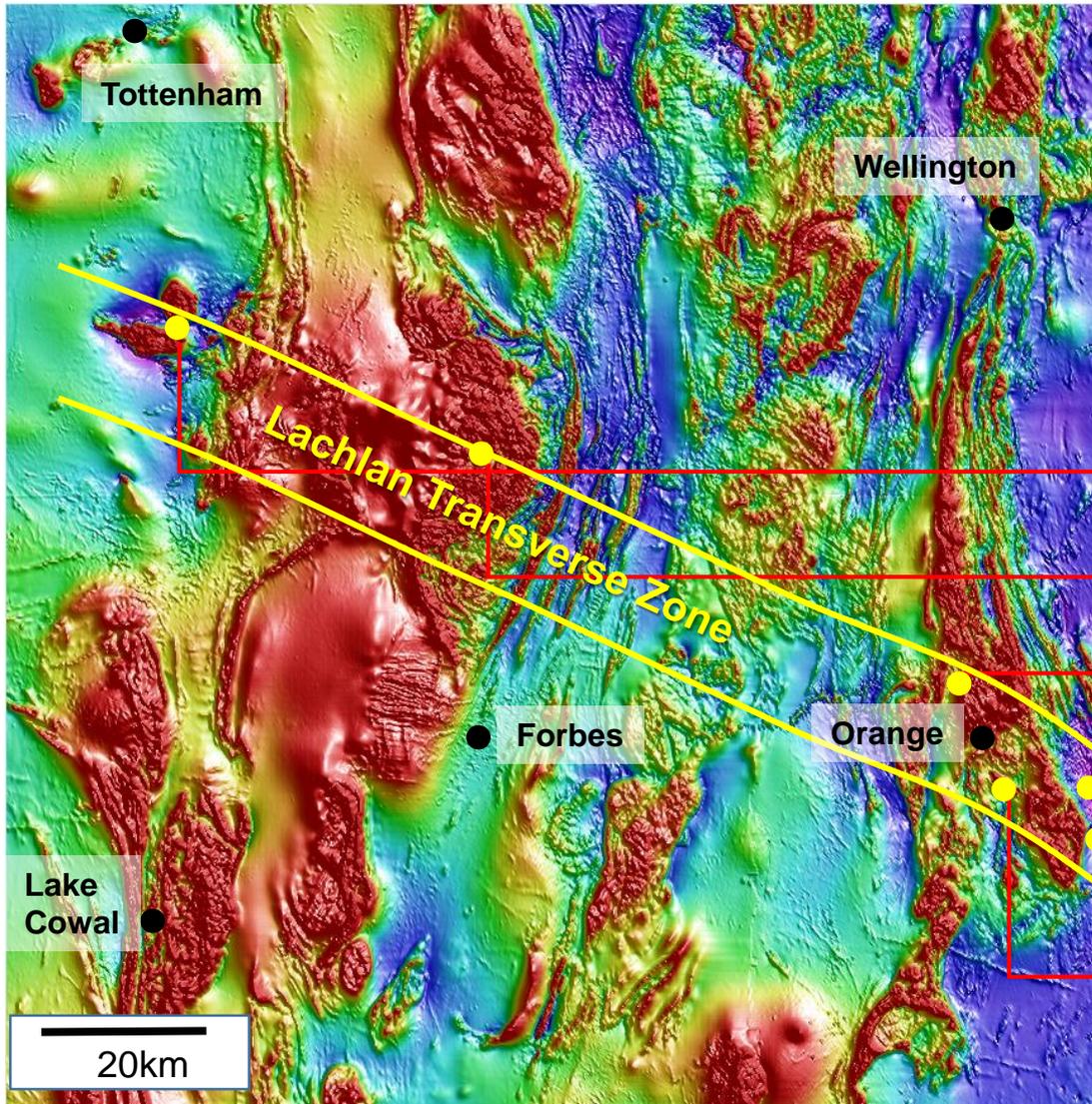
Platinum 2013



- ❑ Corrections but less pronounced
- ❑ The pick of many analysts to outperform in 2014
- ❑ Good timing to investigate the Platina Lead – residual grade



Project Location - East Lachlan Fold Belt



Syerston (Ivanhoe)

North Parkes (China Mo Co.)

Copper Hill (Golden Cross Resources)

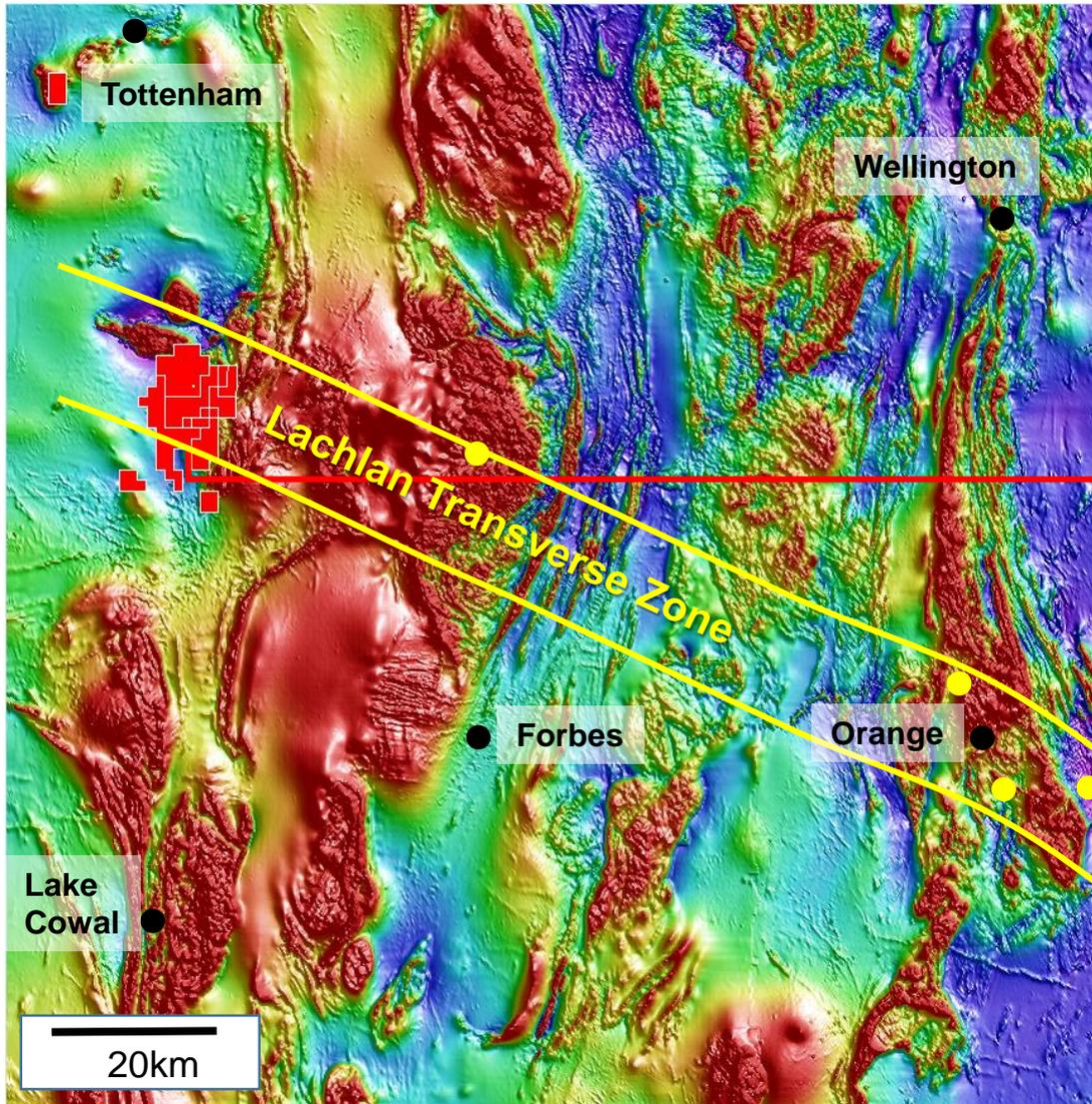
McPhillamy's (REGIS)

Brown's Creek

Cadia Valley (Newcrest)



Project Locations

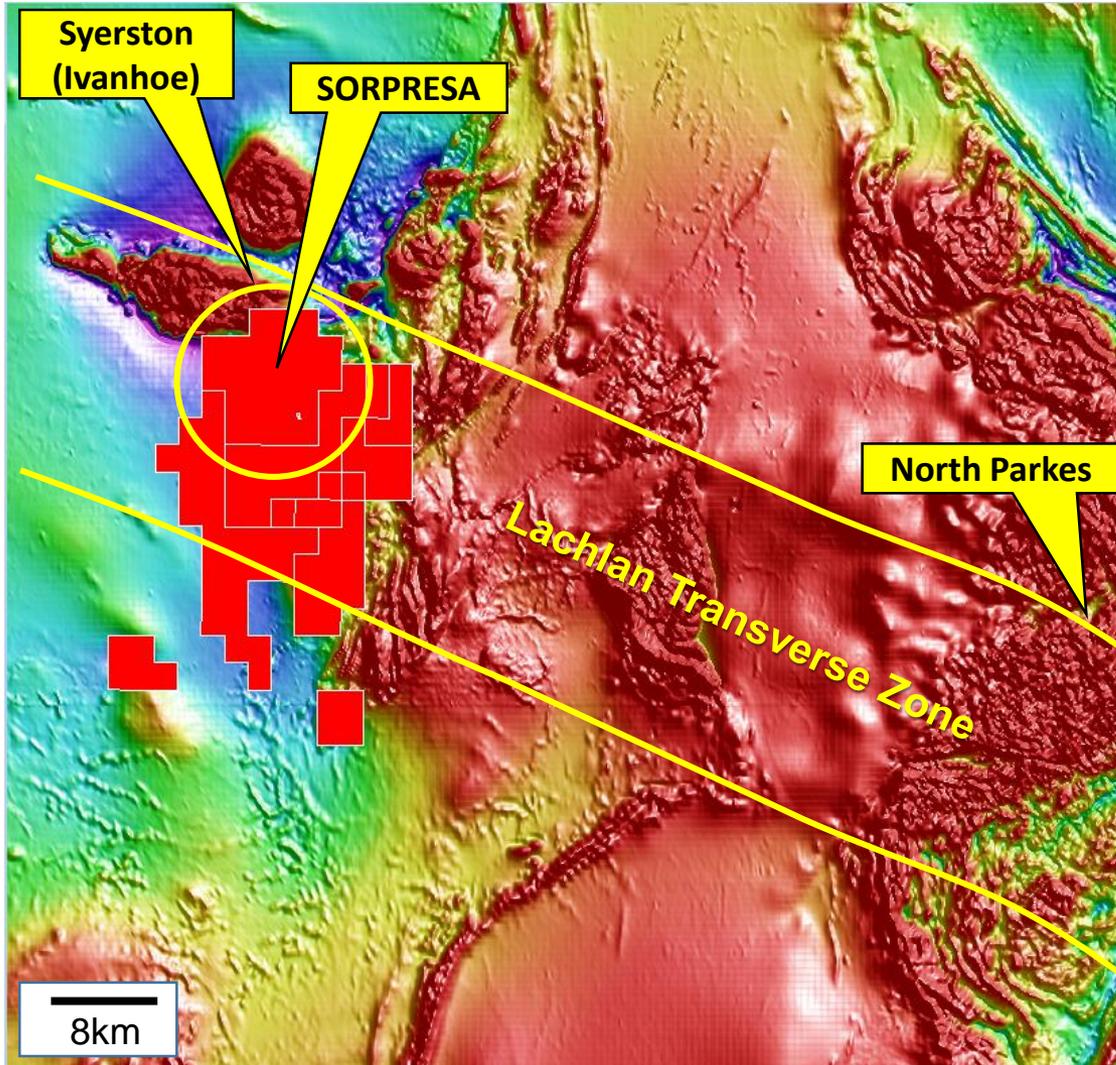


Rimfire Pacific Mining NL

- ❑ 6 Exploration Licenses,
- ❑ Contiguous tenement package,
- ❑ 313 square kms.
- ❑ 210Ha freehold land,
- ❑ Alluvial Gold 1880,
- ❑ Alluvial Platinum 1890,
- ❑ 20,000Oz Pt historical production.



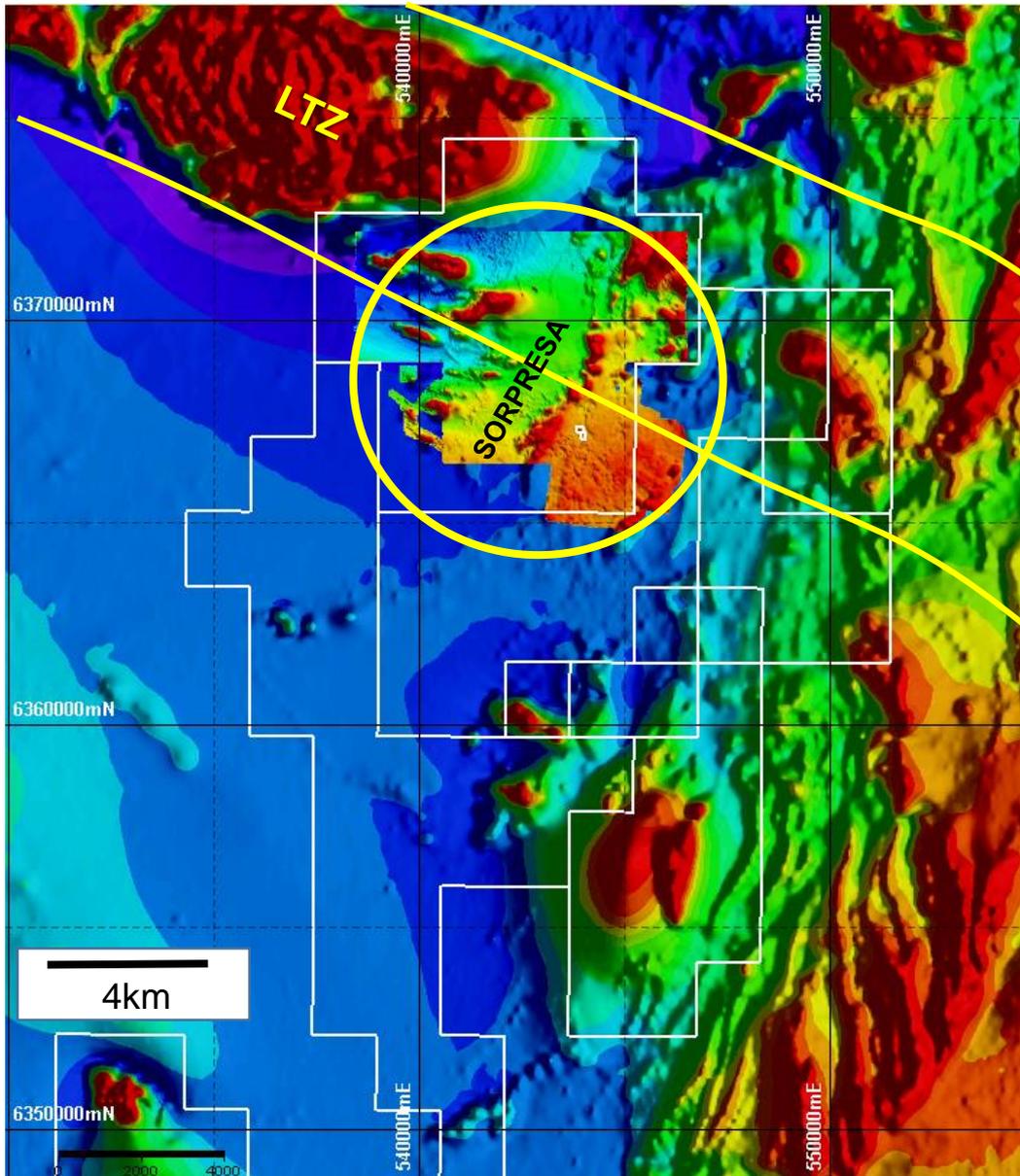
Correct Geological Setting



- Crustal scale, long lived and re-activated LTZ NW faults.
- Interplay of second order north – south Gilmore Suture associated faults.
- Structural Intersections and;
- Deep seated Alaskan Ural fractionated intrusives into;
- Siluro-Devonian Rift-basin setting in the Back Arc of the Macquarie Arc.
- Significant history of alluvial gold and platinum production.
- Overlooked by Previous Explorers.



Geological Setting

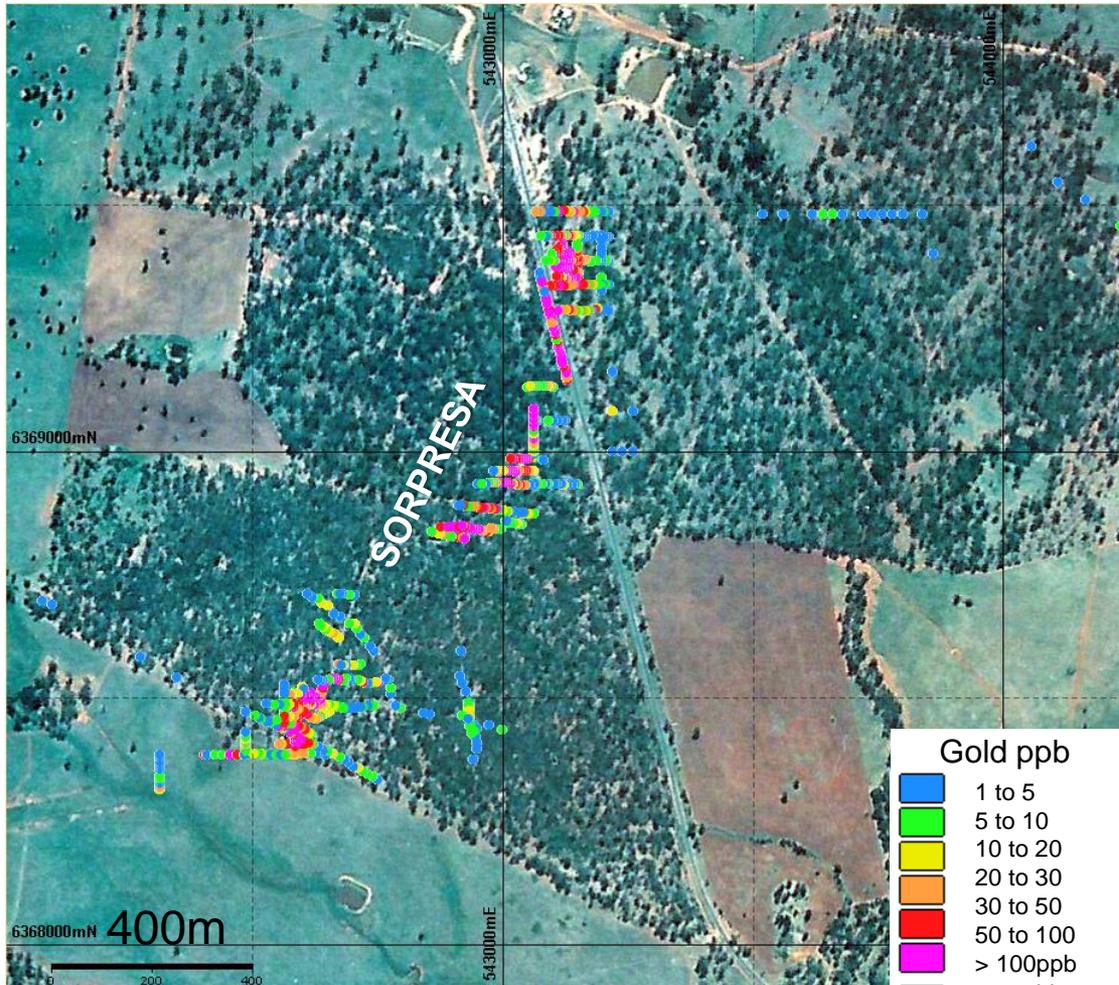


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***Correct Geological Framework
for a significant discovery.***



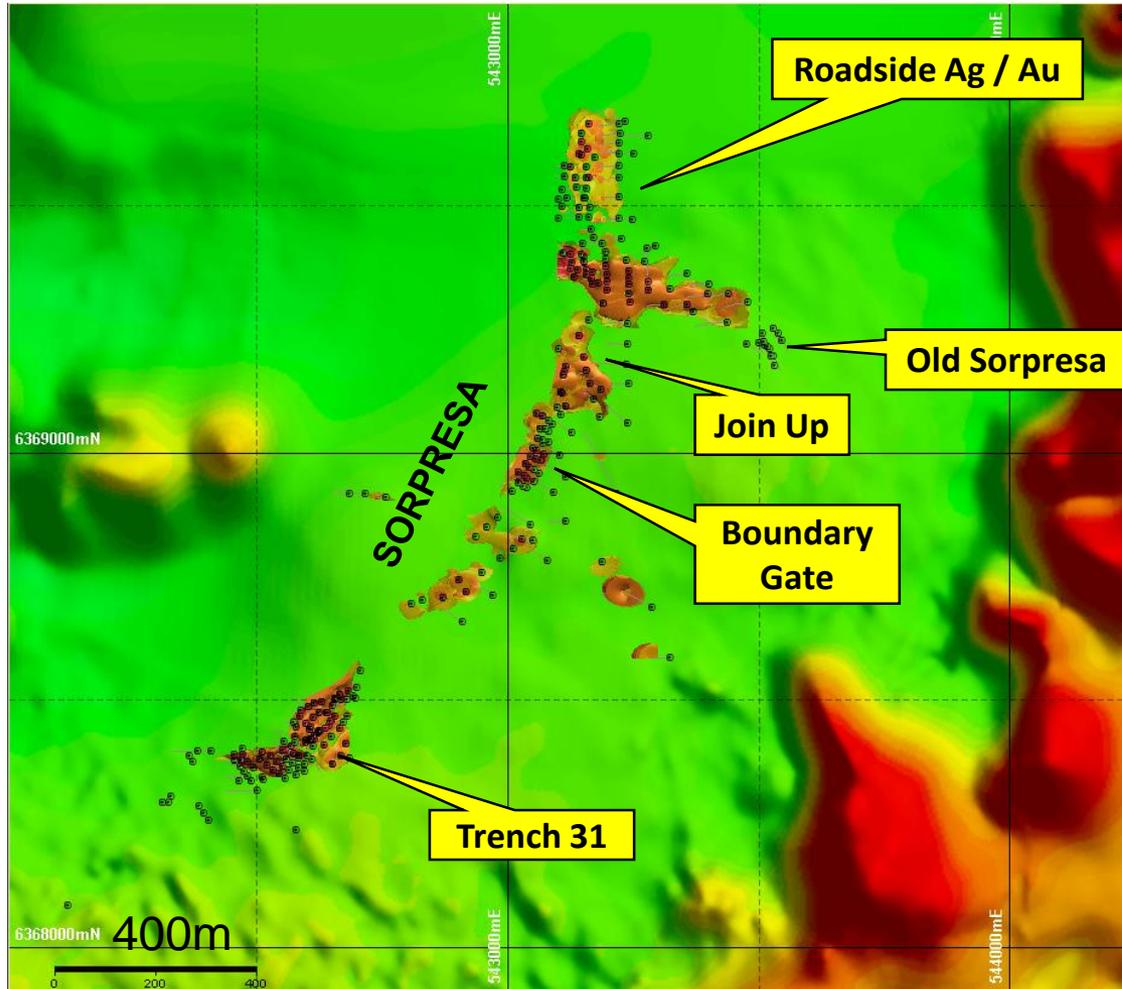
Sorpresa Discovery (2007 - 2012)



- ❑ Gold in Rockchip, Soil and Auger drilling defines a curvilinear anomaly > 20ppb Au over a 1.7km strike.
- ❑ Trenching reveals near surface high grade Gold (9m @ 4.9g/t Au).
- ❑ Drilling defines high grade Au / Ag mineralisation within 5 structurally controlled pods along the gold anomaly.



Sorpresa Discovery (2007 - 2012)

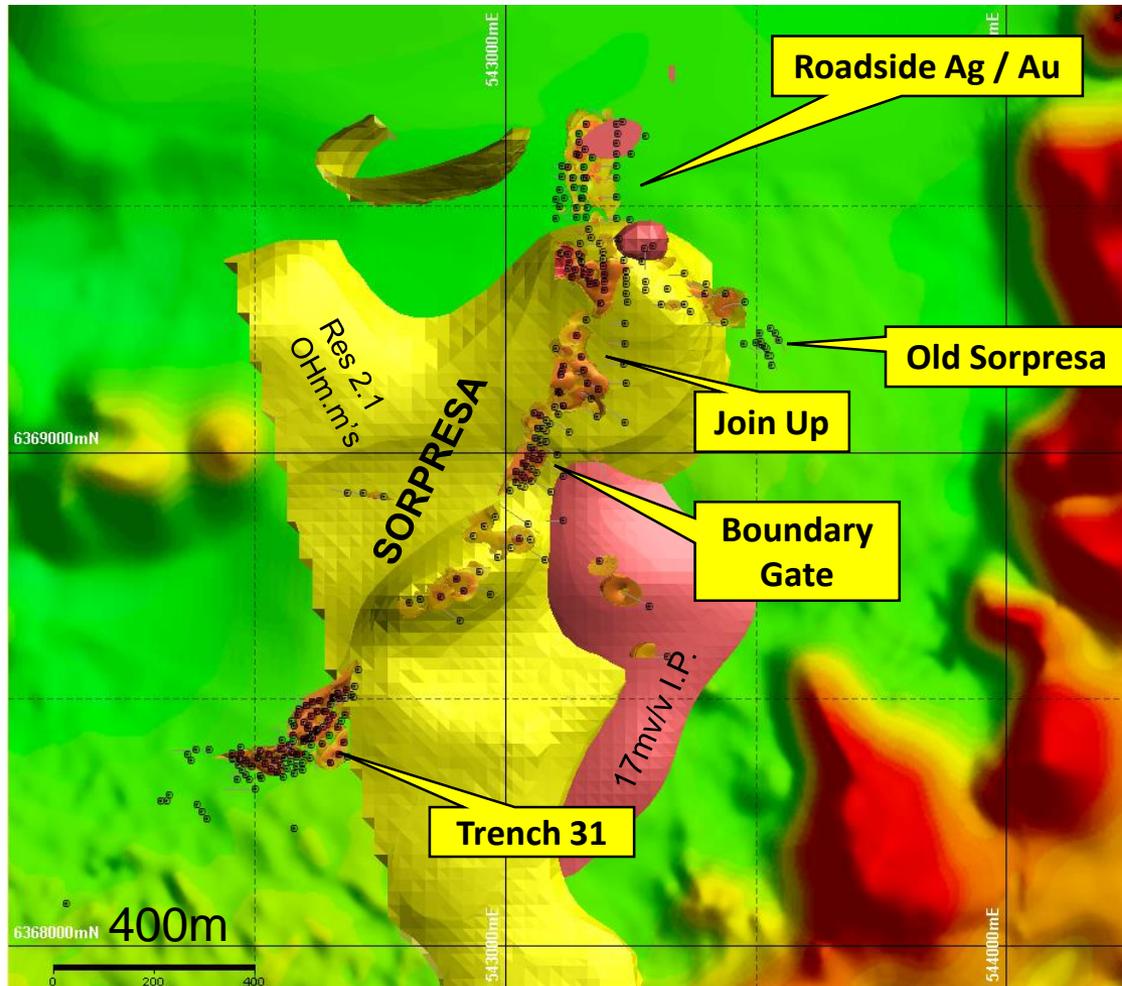


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Yellow Outline > 0.2g/t Au
Red Outline > 0.5g/t Au



Sorpresa Discovery (2007 - 2012)



- ❑ Gold in Rockchip, Soil and Auger drilling defines a curvilinear anomaly > 20ppb Au over a 1.5km strike.
- ❑ Trenching reveals near surface high grade Gold (9m @ 4.9g/t Au)
- ❑ Drilling defines high grade Au / Ag mineralisation within 5 structurally controlled shoots along the gold anomaly.
- ❑ Induced Polarization (I.P.) survey test line completed revealing chargeability and resistivity anomalies associated with the mineralisation.
- ❑ 5 hole Diamond Drill Program intersects Bonanza Gold and significant widths to mineralisation.

Yellow Outline > 0.2g/t Au
Red Outline > 0.5g/t Au



Sorpresa – Significant Intersections

Roadside

- Gold
- 16m @ 5.32g/t Au
- 7m @ 4.24g/t Au
- 14m @ 24.4g/t Au**
- 21m @ 1.11g/t Au

- Silver
- 20m @ 81g/t Ag
- 20m @ 97.6g/t Ag
- 26m @ 155g/t Ag
- 20m @ 230g/t Ag

Old Sorpresa

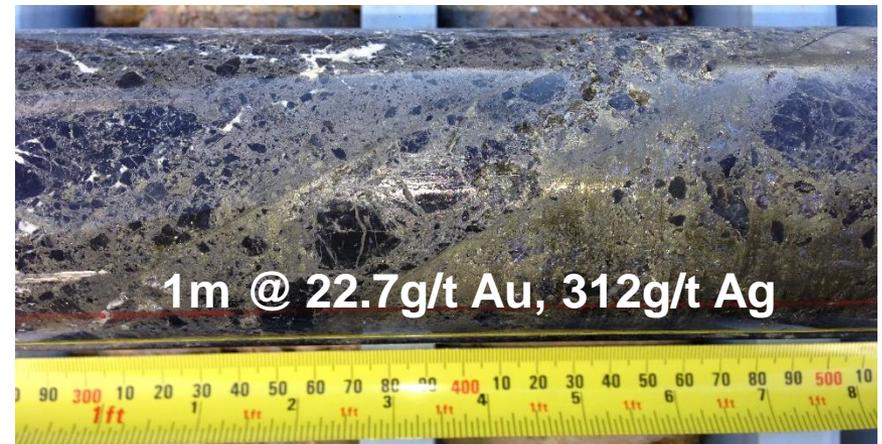
- 13m @ 1.59g/t Au
- 30m @ 2.39g/t Au
- 4m @ 21.9g/t Au

Boundary Gate

- 24m @ 2.17g/t Au
- 1m @ 114g/t Au
- 16m @ 5.0g/t Au
- 9m @ 3.41g/t Au

Trench 31

- 14m @ 21.9g/t Au**
- 9m @ 4.9g/t Au (trench)



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



Sorpresa – Significant Intersections

Fi 328 DDH

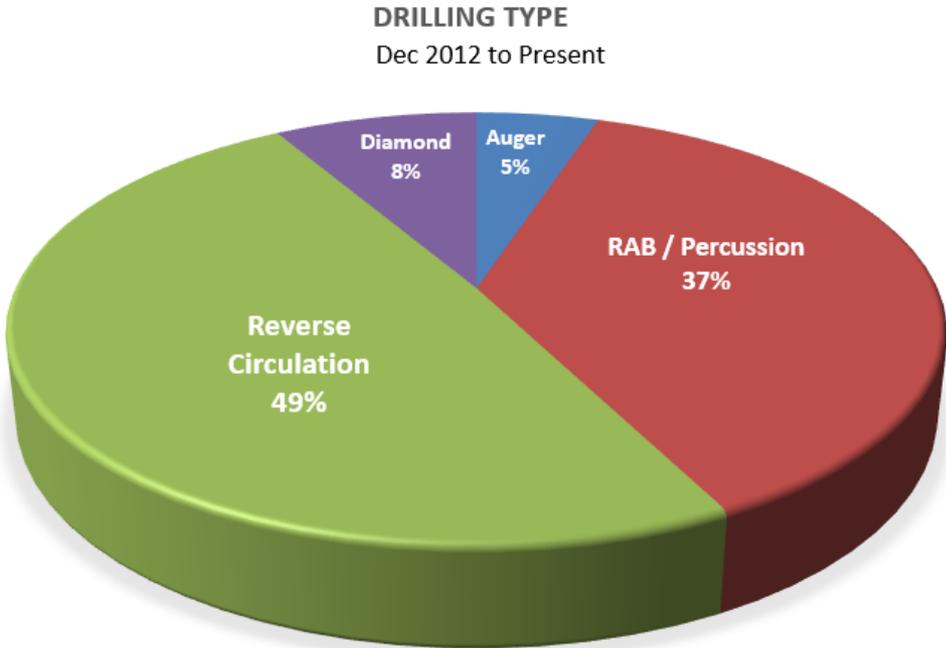


- ❑ *Intersections across a ~1.5km strike,*
- ❑ *Mineralisation comes to surface,*
- ❑ *Mineralisation open in multiple directions,*
- ❑ *Regional Strike extensions are completely un-explored.*



Sorpresa Drilling

- ❑ Significant proportion of early exploration drilling utilized an in-house RAB / Percussion Drill Rig.
- ❑ Flexibility,
- ❑ Ability to “Drill early, Drill often”
- ❑ Supplemented with Contractor RC and Diamond.

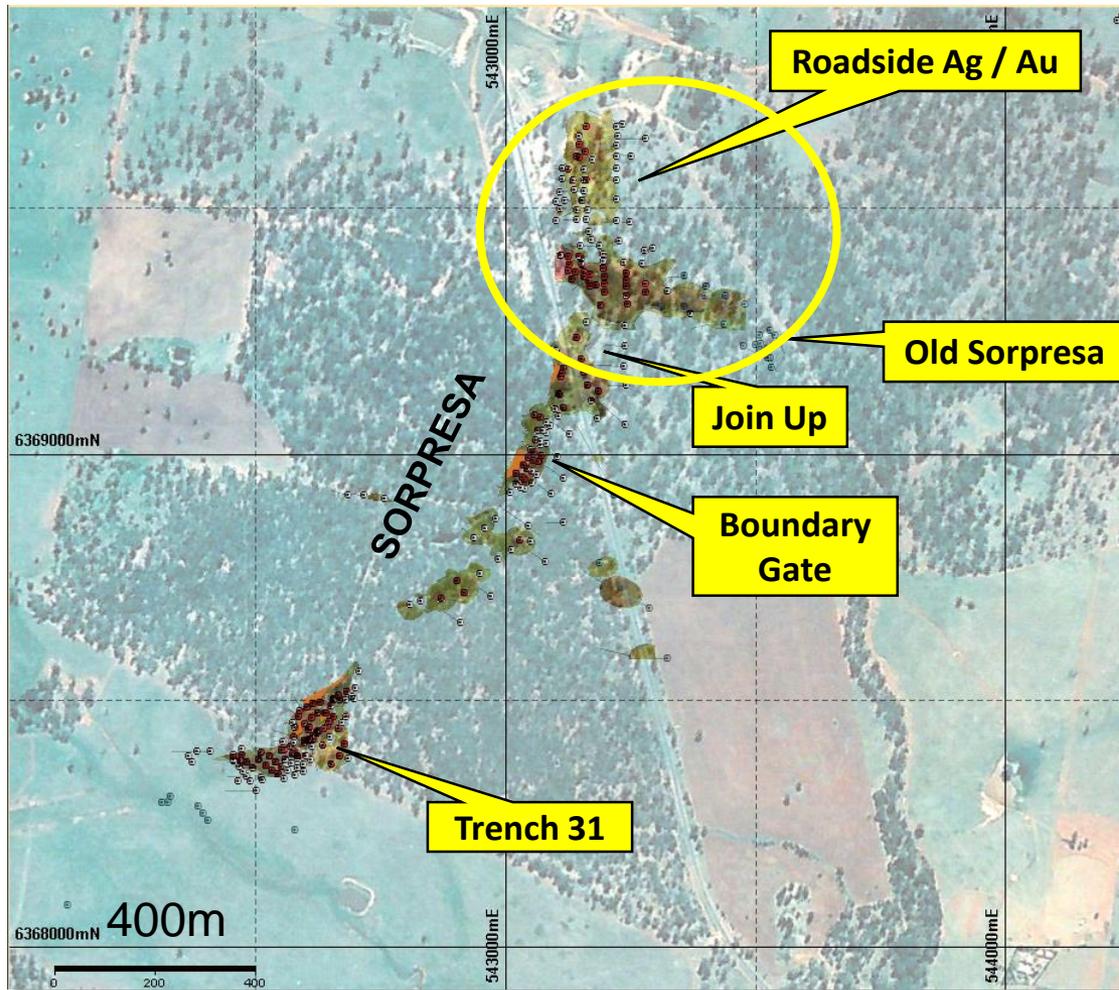


2012 - 13 Drilling Statistics	Holes	Metres
Auger Drilling	176	844
RAB / Percussion	269	6,266
Reverse Circulation	67	8,213
Diamond Drilling	5	1,403
Total	517	16,726

54% of all drilling undertaken at Sorpresa to date, has occurred this year.



Sorpresa Today



- Data compilation into Digital 3D GIS has been recently completed.
- Enabled visualization of mineralisation shapes, dips, orientation and revealed areas for immediate drill testing.
- Systematic RC Drilling commenced immediately at
 - Roadside,
 - Join-Up and
 - Boundary gate areas.
- Drilling is targeting extensions down dip, and down plunge to define the controls on high grades.
- Present targets identified to a <100m from surface threshold.
- RC and RAB Drilling on-going.



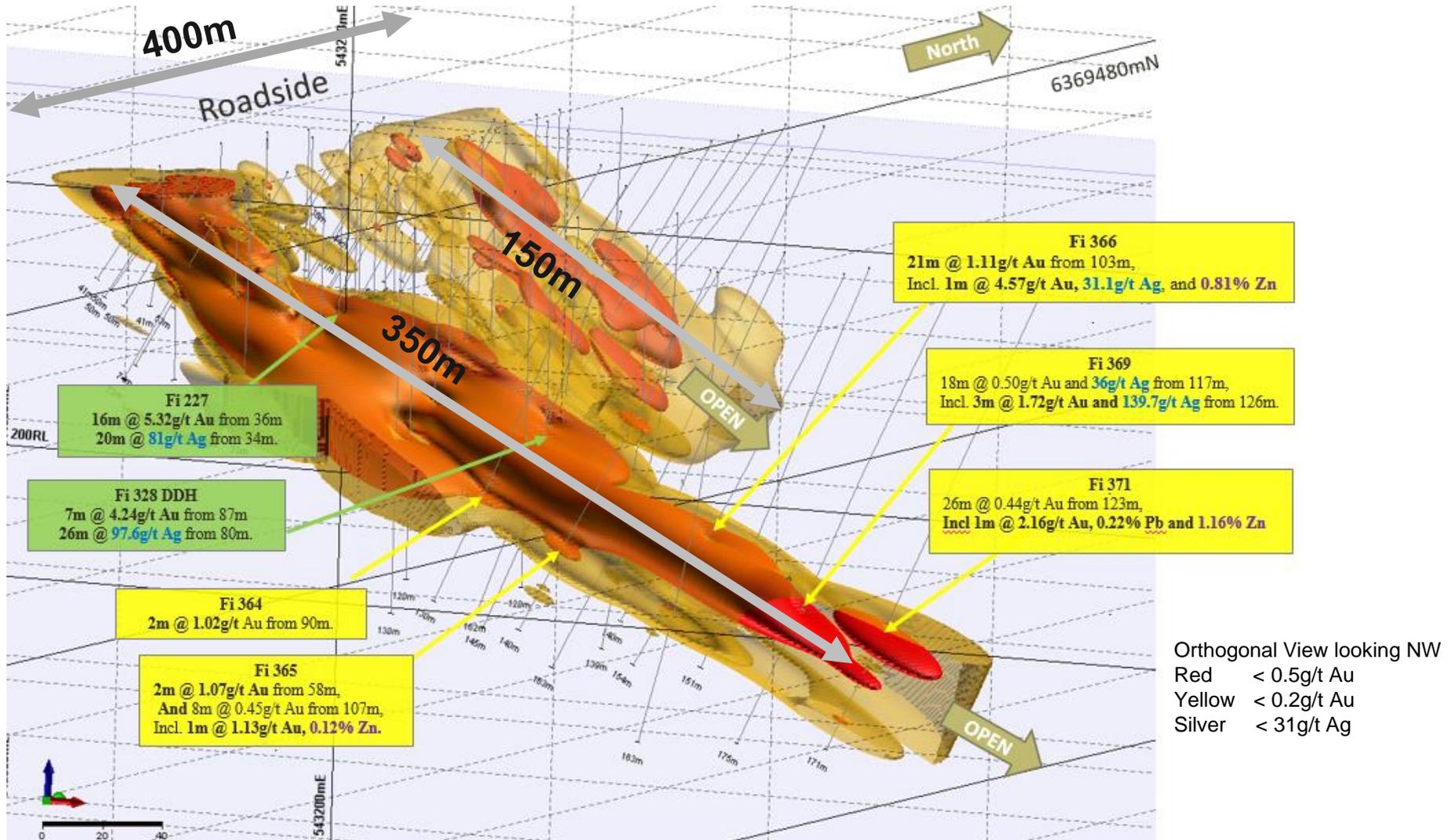
Sorpresa – Roadside



- ❑ Discovery Gossan found in outcrop.
- ❑ Coincident I.P. Chargeability anomaly.
- ❑ Auger and Percussion drilling define and intersect high grade Silver / Gold mineralisation. Best intersections:
 - ❑ 16m @ 5.32g/t Au from 36m, and
 - ❑ 20m @ 81g/t Ag from 34m (Fi 227)
 - ❑ 14m @ 24.4g/t Au from 26m, and
 - ❑ 26m @ 155g/t Ag from 14m (Fi 212).
- ❑ RC drilling confirms mineralisation to approximately 140m down dip.
- ❑ Diamond Drilling confirms oxide mineralisation extends into the primary associated with massive to Semi-Massive Sulphides.
- ❑ Current RC drilling aiming at 40m x 40m and 40m x 60m step – outs down dip, and down plunge.
- ❑ Drilling in progress.



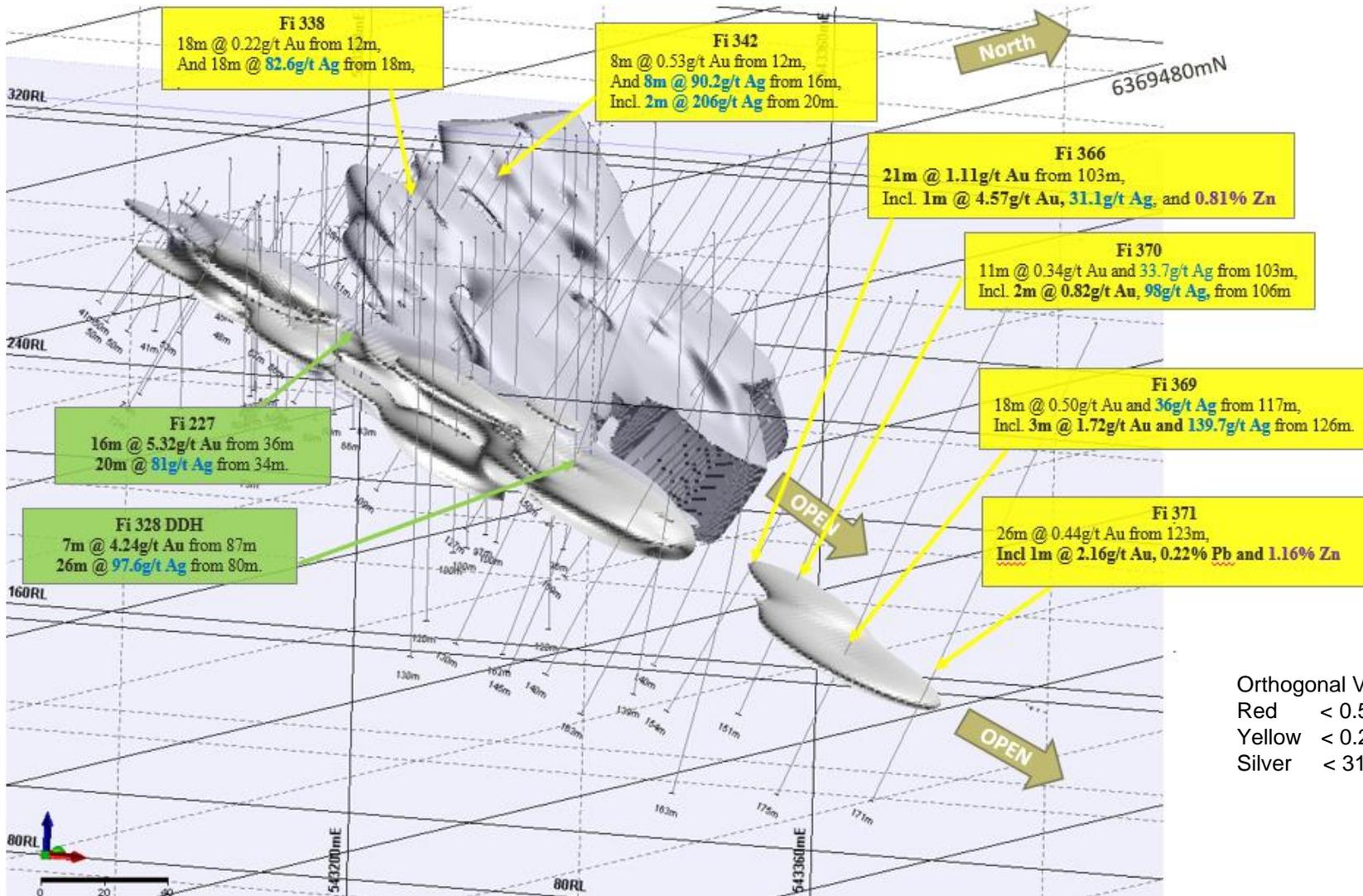
Sorpresa - Roadside



- ❑ Au/Ag shoot displays a consistent 19 degree dip to the East
- ❑ Ag / Au shoot dips 50 degrees to the East.



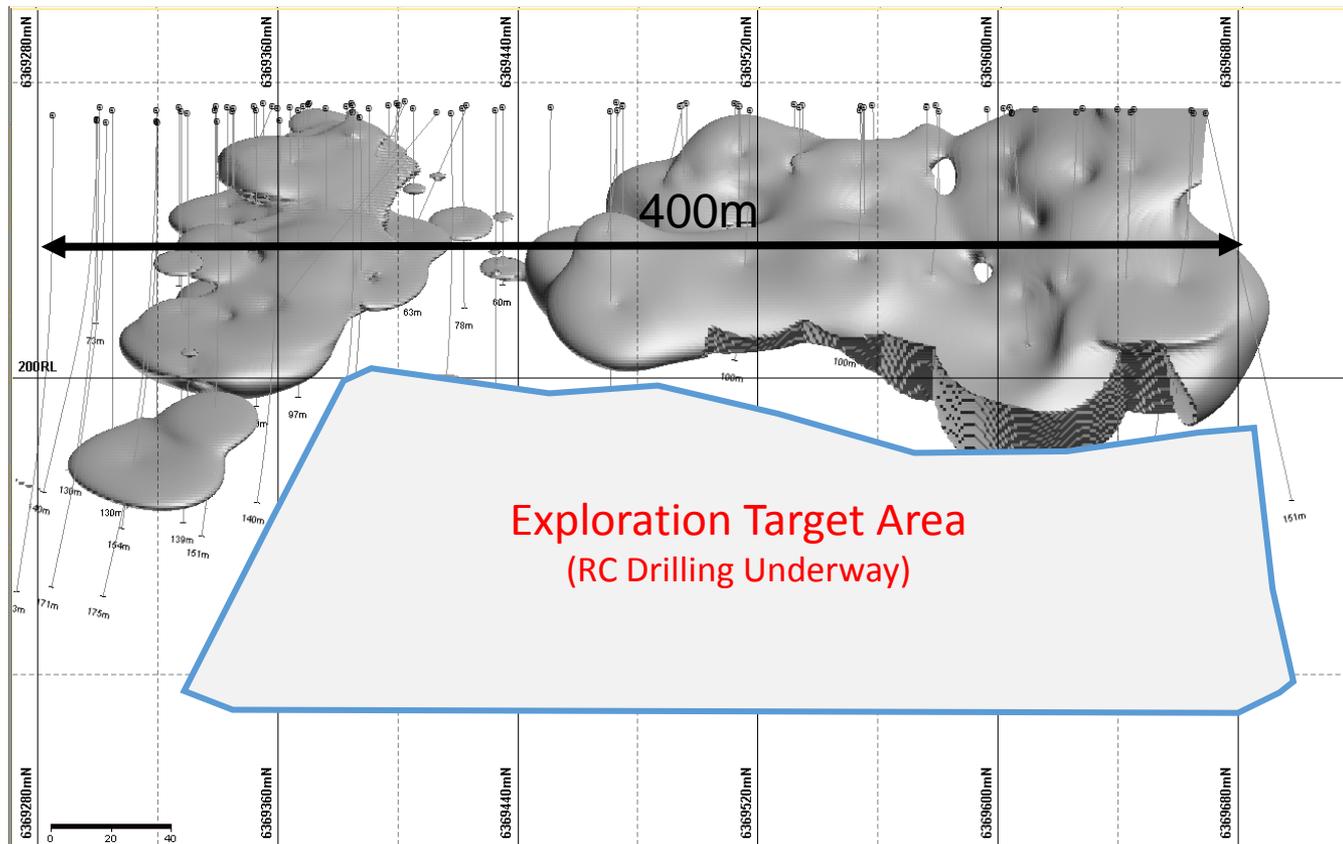
Sorpresa - Roadside



☐ Silver dominant Roadside North shoot displays highly encouraging broad 15 – 20m mineralized envelope, with remarkably consistent 50 degree dip.



Sorpresa - Roadside

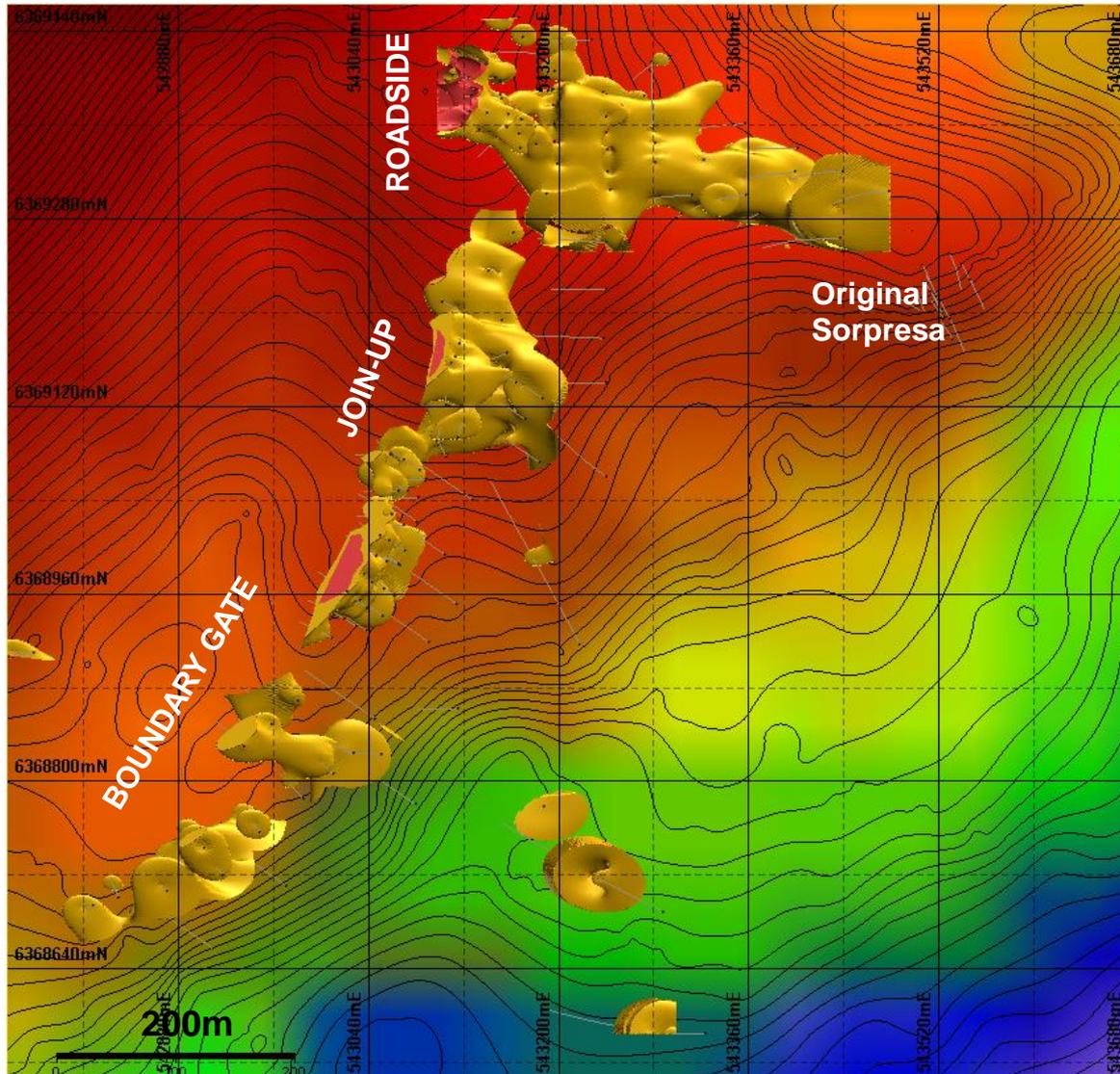


Looking West
Yellow > 0.2g/t Au
Red > 0.5g/t Au
Silver model @ >31g/t Ag

- Current RC drilling at 40m x 40m to 40m x 60m down dip spacing.
- Open-ended Drill Program – real time Fp XRF results, instant 3D modelling enabling on the fly follow-up drill design and execution.
- Early Fp XRF encouragement. Results Awaited.



Sorpresa - Join-Up to Boundary Gate

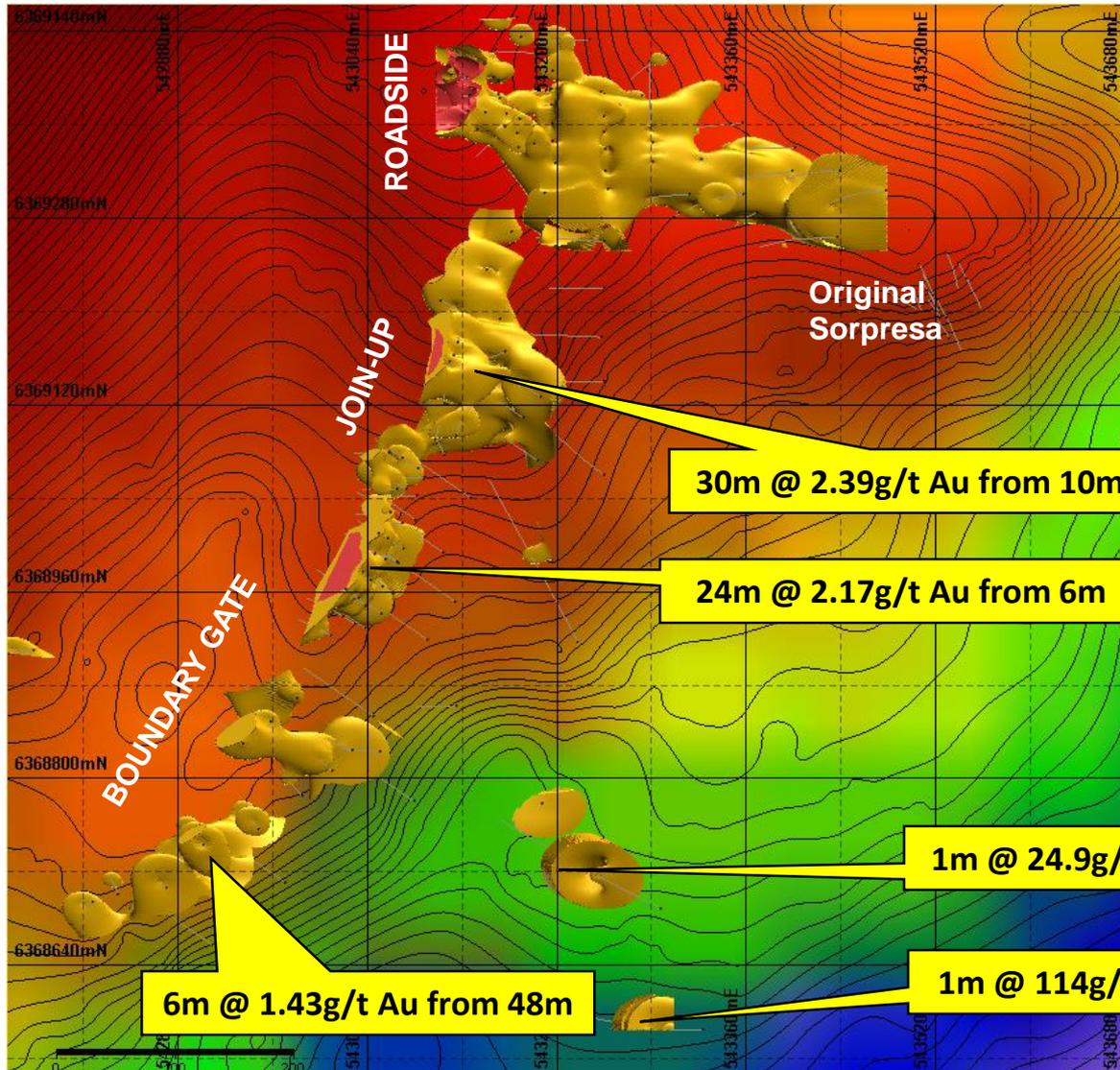


- ❑ High grade Gold Dominant Shoots of mineralisation identified in soil sampling and auger drilling.
- ❑ Curvilinear orientation, interpreted as Listric faults.

Bouguer Gravity Image, 5 mgal contours



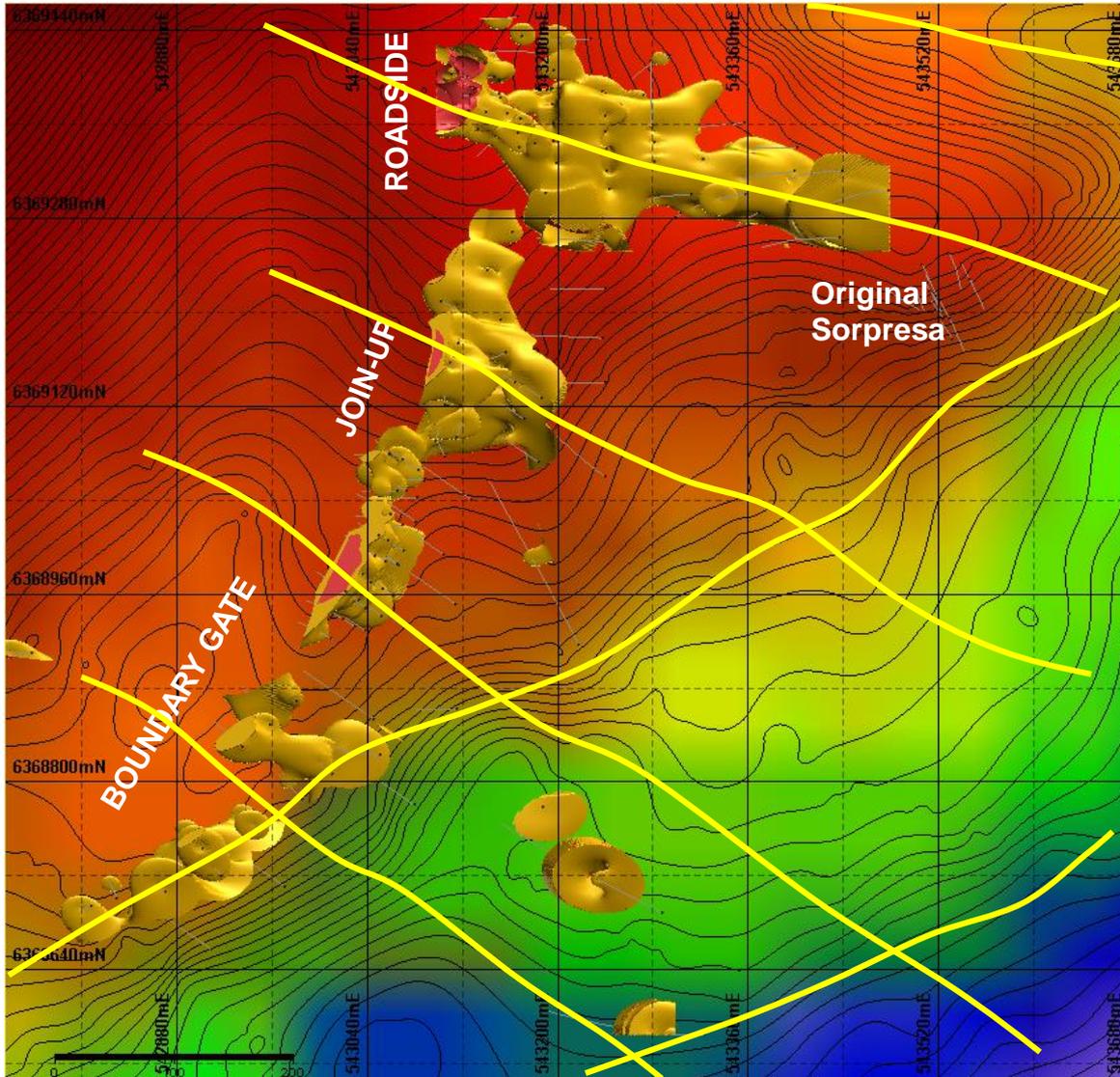
Sorpresa - Join-Up to Boundary Gate



- ❑ High grade Gold Dominant Shoots of mineralisation identified in soil sampling and auger drilling.
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- ❑ Mineralized Shoots can display significant thickness plus evidence for very high grade.



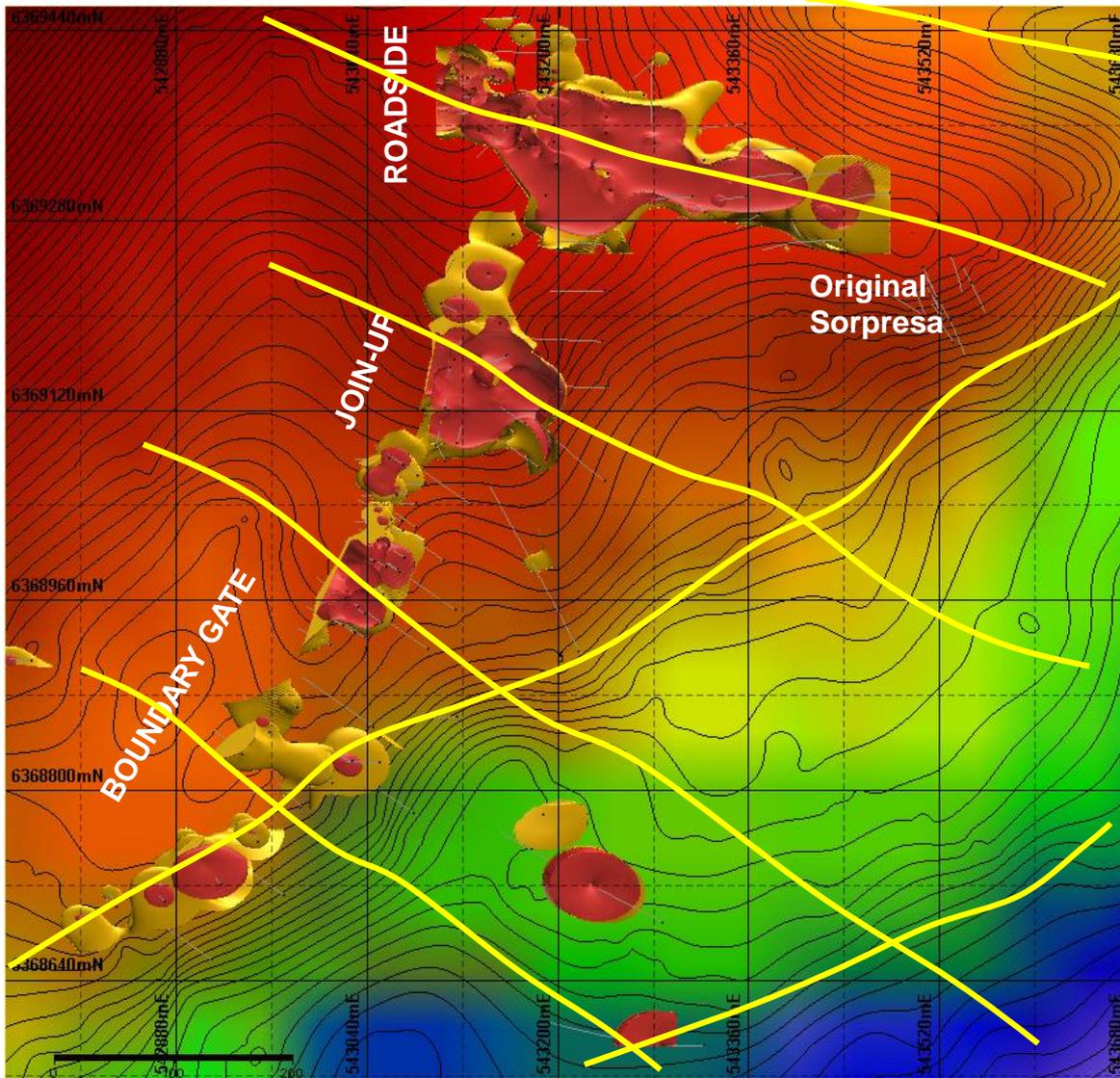
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- ❑ Traversed by interpreted NW trending (LTZ) orientated faults.
- ❑ Variable Dip to mineralisation.



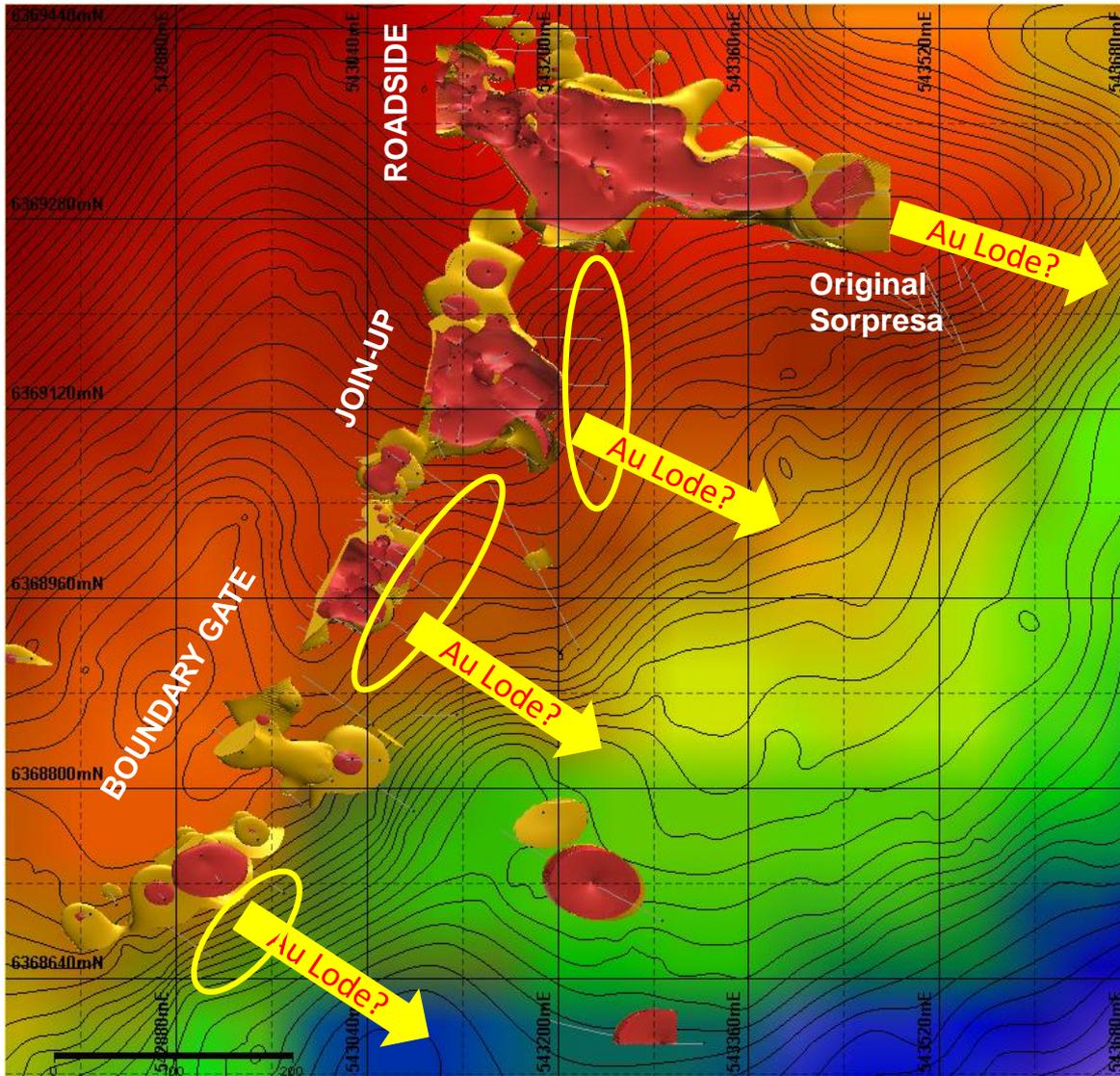
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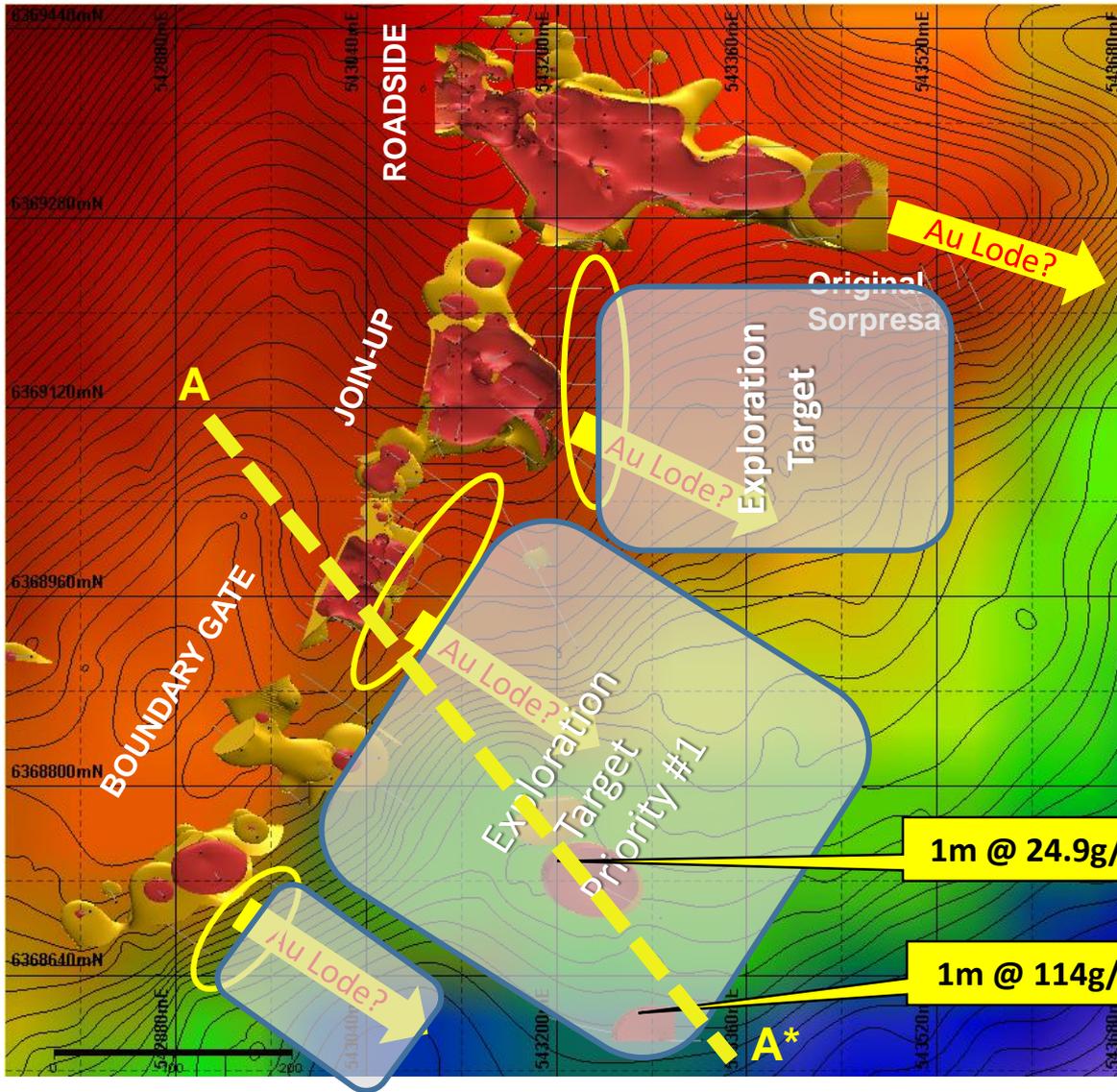
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- ❑ Traversed by interpreted NW trending (LTZ) orientated faults.
- ❑ Variable Dip to mineralisation.
- ❑ First Phase RC Drilling recently completed.
- ❑ Results Awaited.



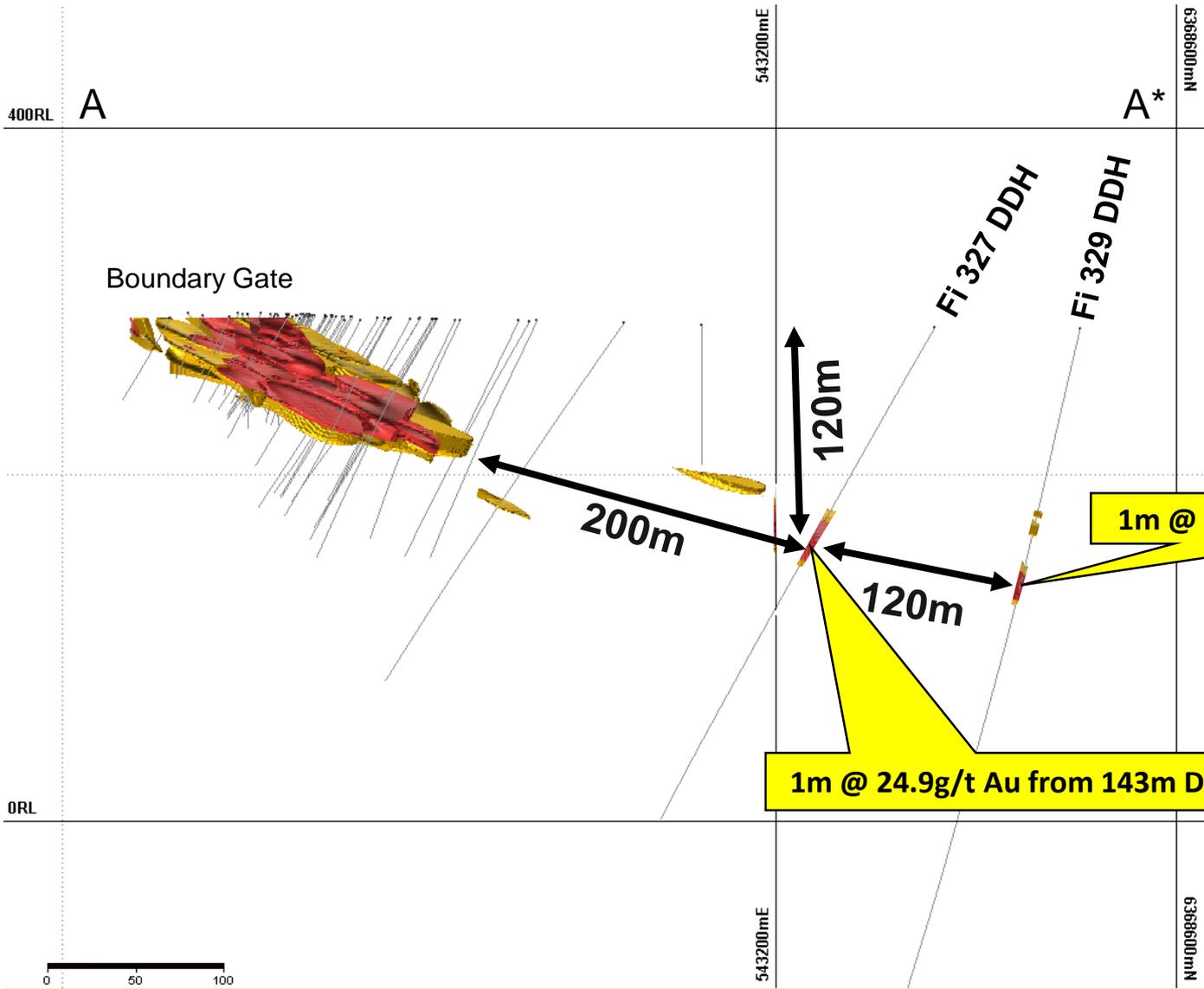
Sorpresa - Join-Up to Boundary Gate



- ❑ High Priority initial drill targets identified in 3 target domains.
- ❑ Priority 1 targets around the high grade diamond drill intersections.
- ❑ Drilling to commence in December.



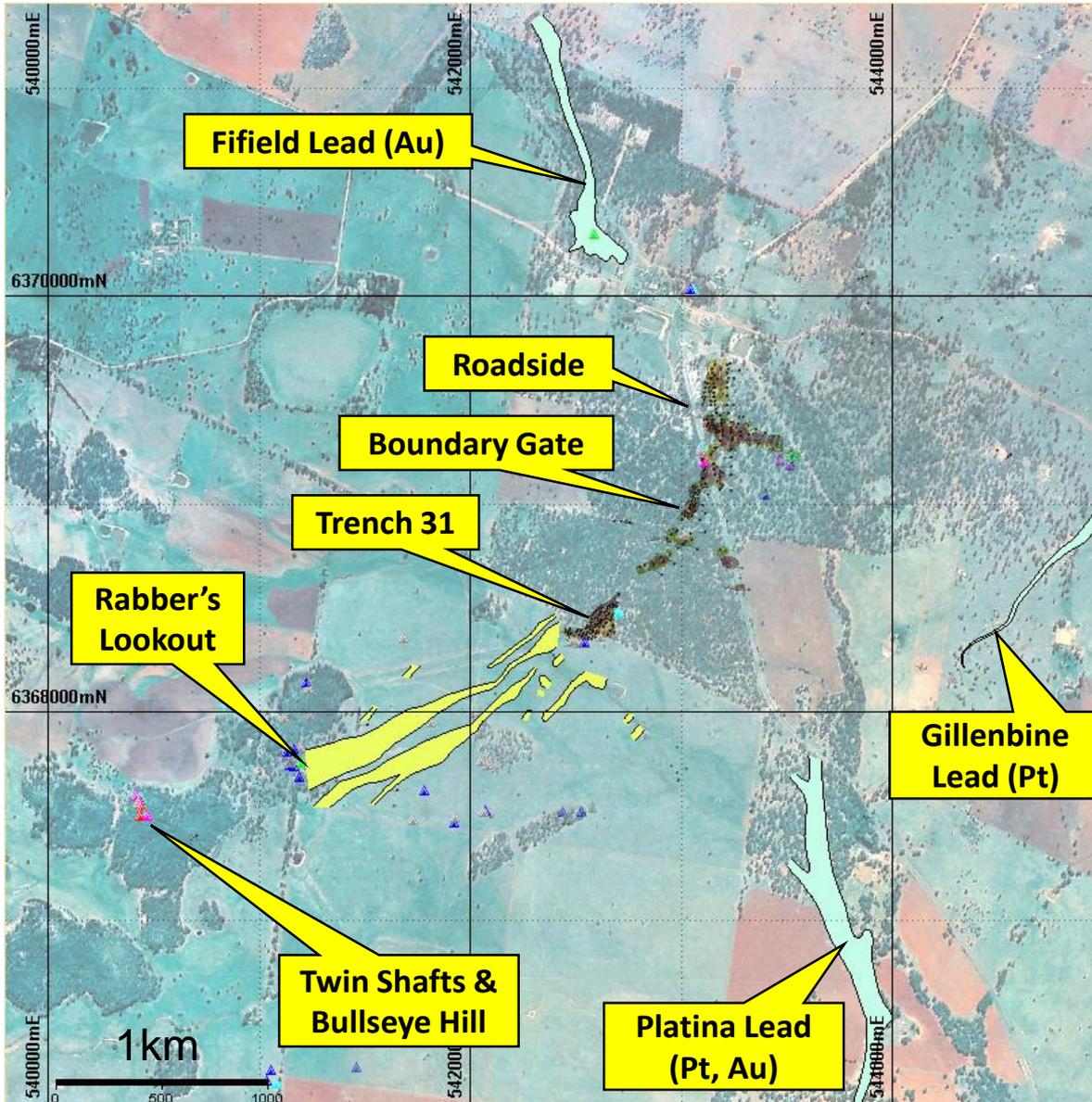
Sorpresa - Join-Up to Boundary Gate



- NW Section looking NE
- Significant potential Up-dip and along strike from diamond intersections.
- RC Drilling to commence in December.



Sorpresa - Regional Extensions

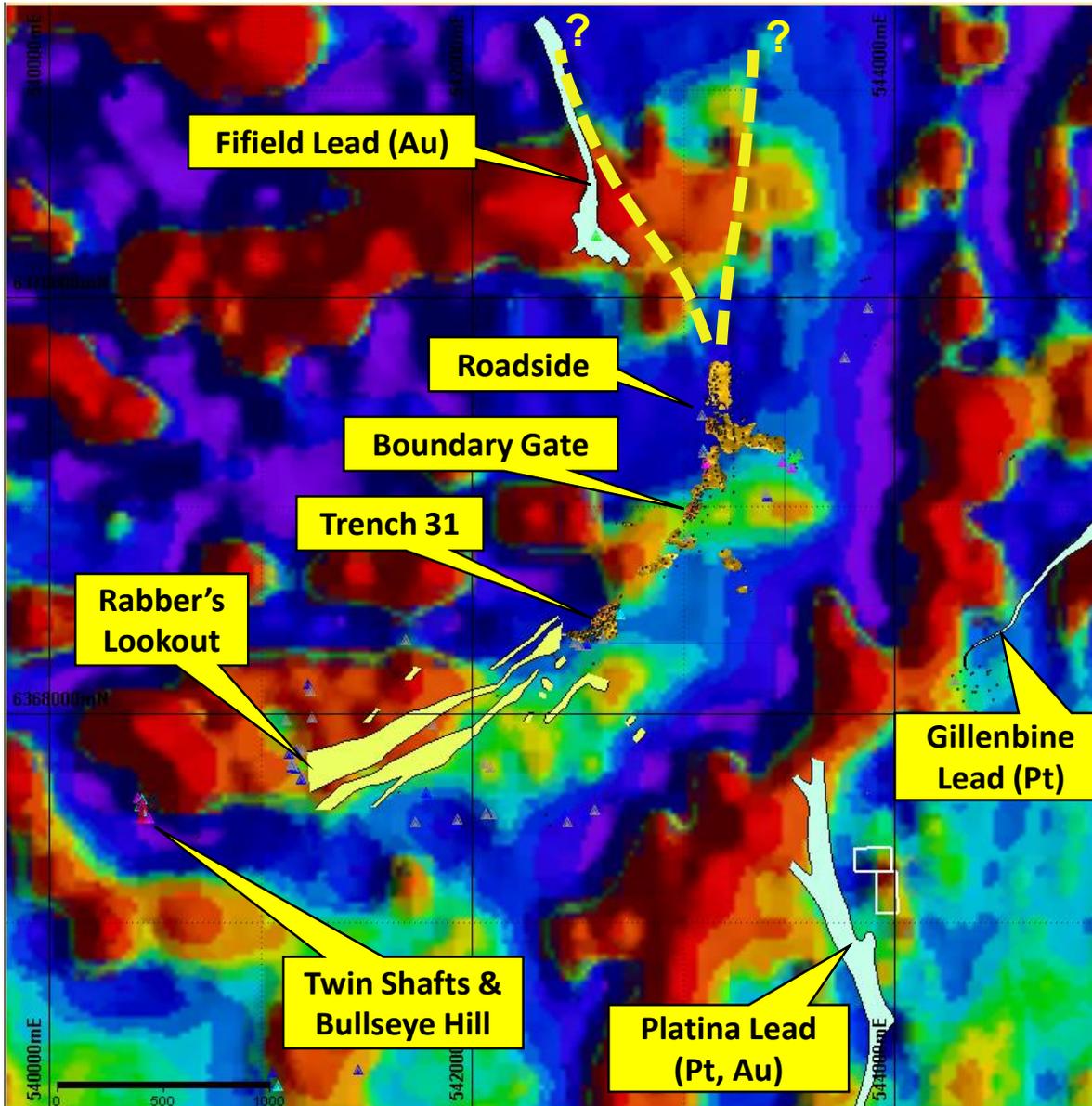


- ❑ Currently defined high grade Sorpresa shoots largely subcrop.
- ❑ Discovery via Soil sampling and Auger Drilling.
- ❑ Extensions to the North and South are masked by thin cover (<10m).
- ❑ Exploration in these areas in minimal, to non – existent!

 > 9ppb Au contour



Sorpresa - Regional Extensions

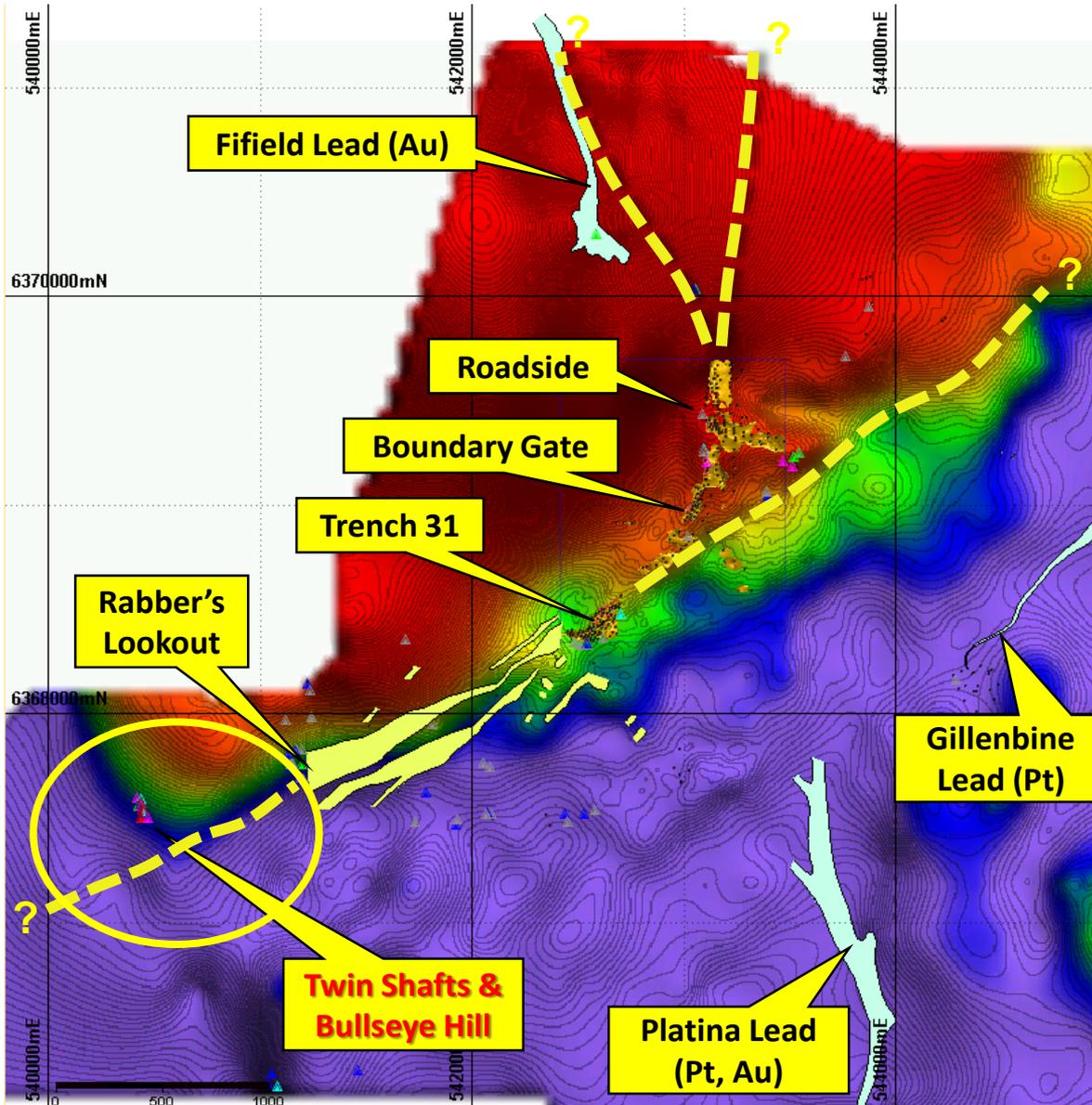


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- ❑ Northern Strike potential inferred in Aeromagnetic Images.

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- ❑ Discovery via Soil sampling and Auger Drilling.
- ❑ Extensions to the North and South are masked by thin cover (<10m).
- ❑ Exploration in these areas in minimal, to non – existent!
- ❑ Northern Strike potential inferred in Aeromagnetic Images.
- ❑ Southern Strike extensions inferred by detailed Gravity and recent RAB drilling
- ❑ RAB Drilling is on-going.

 > 9ppb Au contour



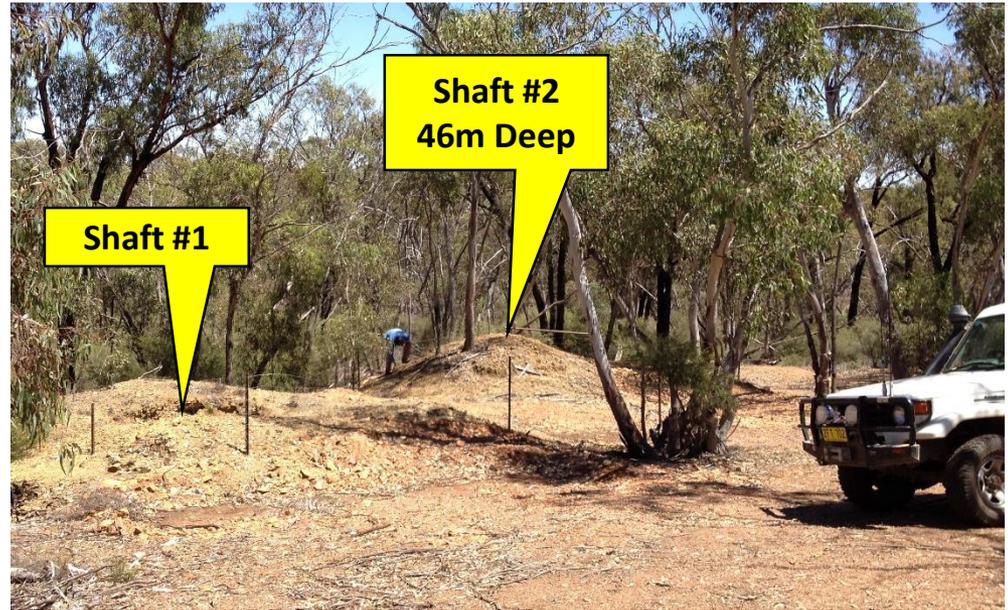


Sorpresa - Regional Extensions

Twin Shafts

- ❑ Significant historical workings on the Sorpresa Trend,
- ❑ Estimated 46m deep,
- ❑ Steep dip 80 degrees to the North East,
- ❑ Evidence for stopeing at depth,
- ❑ Workings strike up to 120m.
- ❑ Anomalous rock chip samples ~160m along strike up to 0.9g/t Au.

- ❑ **UN-DRILLED**
- ❑ Priority Walk-up Drill target.





Rimfire District Targets

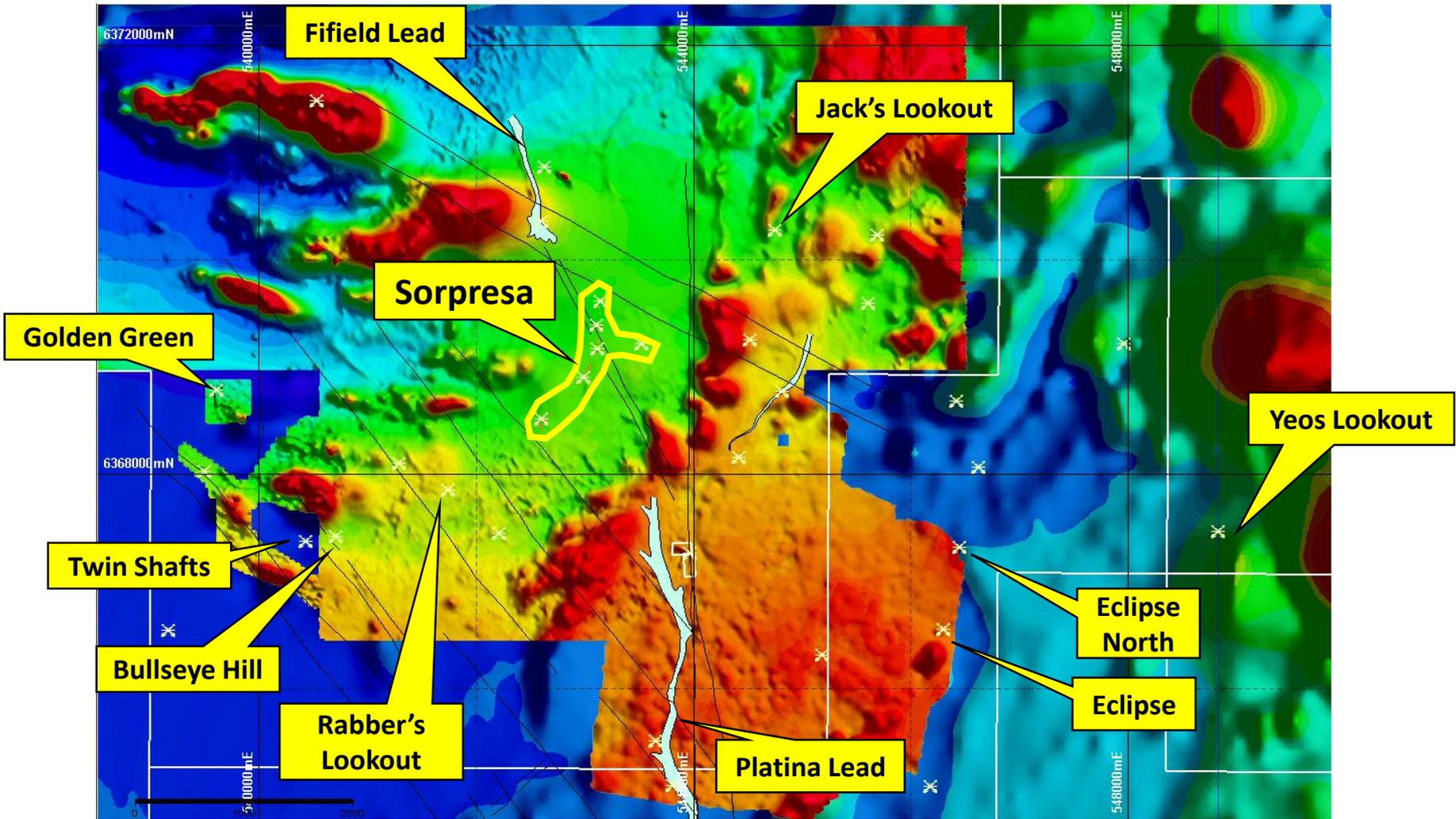
- ❑ Emerging Prospect portfolio of 10 variably defined Regional targets.
- ❑ Mixture of grassroots and walk-up drill targets.
- ❑ Recent appointment of a dedicated Principal Geologist to define, advance and prioritize targets.
- ❑ New round of target generation set to commence utilizing “Old” and “New” eyes!
- ❑ Multiple deposit styles including:
 - ❑ Porphyry Au-Cu in North Parkes host rocks (Yeo’s Lookout).
 - ❑ Eclipse and Eclipse North (VHMS?).
 - ❑ Orogenic Gold?



Rimfire Geologist, Denis Walsh



Rimfire District Targets



2km



Summary & Exploration Acceleration

- ❑ Prospective, contiguous 313km² ground holding on the Lachlan Transverse Zone, - The Correct Geological address.
- ❑ Disciplined acceleration of activity on multiple fronts across Sorpresa.
 - Concurrent Diamond, RC, RAB, and Auger drilling.
 - Targets defined, Drilling on-going, clear strategy adopted and implemented.
 - Management Support.
 - New systems designed, implemented and operational.
- ❑ Systematic and staged approach for “**Discovery Growth**”.
- ❑ Continued acquisition and refinement of multidisciplinary data sets including geophysics and multi-element geochemistry.
- ❑ Dedicated Regional Exploration team, generating and advancing a strong project pipeline.

“A Team and Strategy for significant progress”

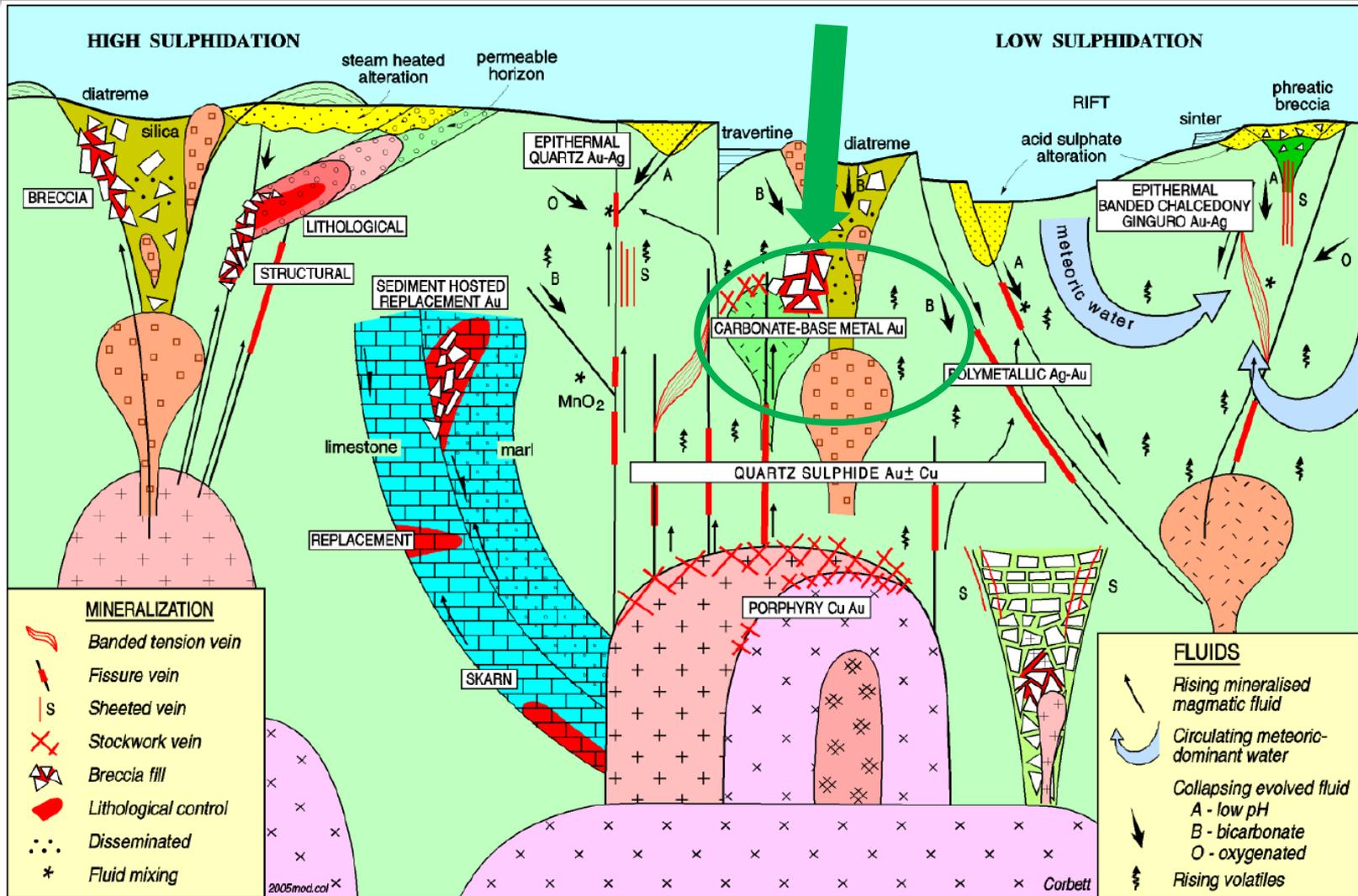


What puts Fifield on the radar for large mining companies?

- ❑ There are no firm geological limits to the ultimate size of the Greater Sorpresa Field
- ❑ Sorpresa geology took a big step forward with the diamond drilling programme. It is now possible to see Sorpresa as another example of the Carbonate-base metal mineralisation model as presented by Greg Corbett.
- ❑ The carbonate-base metal mineralisation model has a connection to porphyry gold-copper mineralisation
- ❑ Examples of important carbonate-base metal mineralisation include Lake Cowal, Porgera and also Cripple Ck in the USA (Corbett).
- ❑ Sorpresa sits above exceptional fault systems that channel intrusives from great depth to near surface. Gold-silver and platinum associated intrusives.
- ❑ Platinum geology has also advanced with the Sorpresa diamond drill program.



Where Sorpresa sits in a Conceptual Model



Conceptual model for varying arc style porphyry and epithermal Cu-Au-Ag mineralisation (Corbett, 2007)





Big Structures in NSW

□ Rimfire have added big structures to this published map

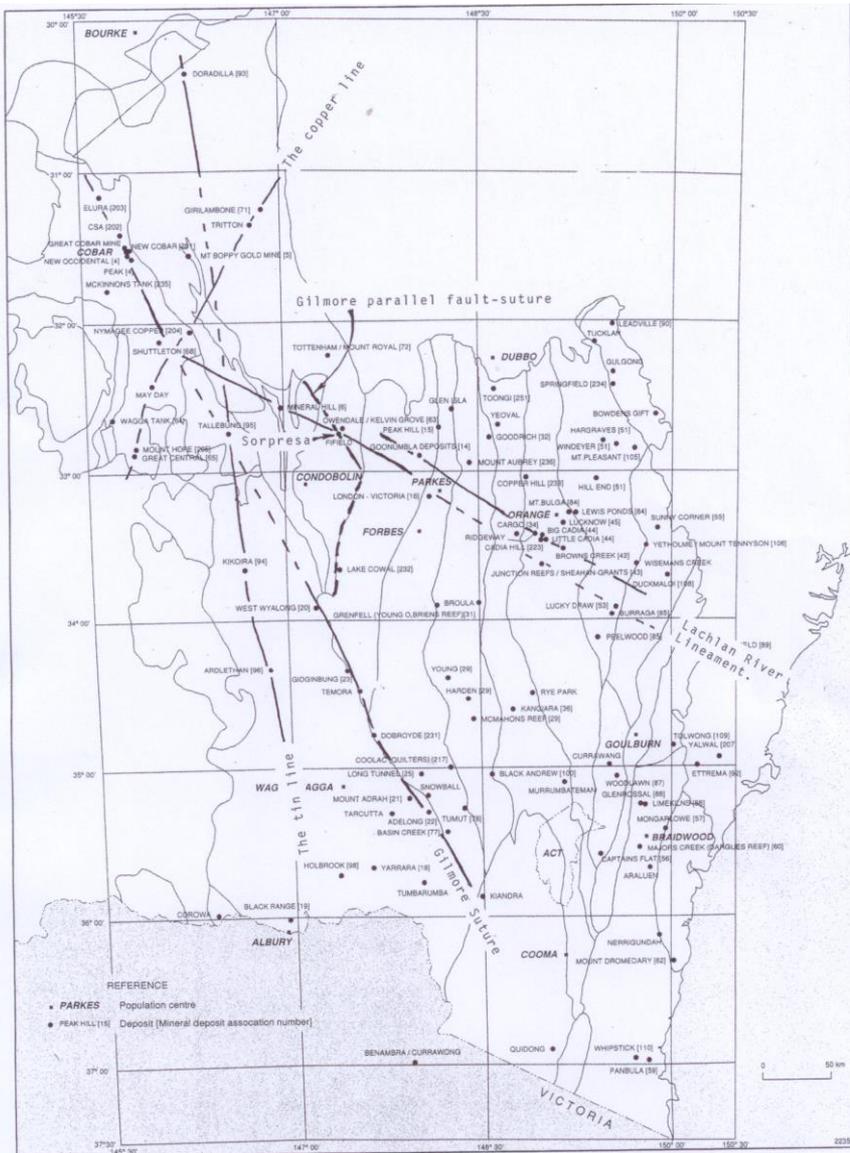


Figure 15.1 Location of major mineral deposits, Lachlan Fold Belt in New South Wales (slightly modified from Suppel & Scheibner 1995, fig. 8). Figures in brackets refer to the metallogenic associations of Suppel and Scheibner (1995)



Reasons to Support Rimfire...

- ❑ Healthy financial position (Cash and Market Cap),
- ❑ Countercyclical Strategy – Do more work in tough times – Stand out,
- ❑ A track record of High Grade intersections,
- ❑ Excellent team assembled at Fifield, building on a strong foundation,
- ❑ Ongoing programs at Sorpresa – “**discovery growth**” towards a resource,
- ❑ Discovery pipeline for the Greater Sorpresa Area 8km² and beyond,
- ❑ Favourable Geological Model – Carbonate Base Metal Epithermal Au,
- ❑ Platina Lead Bulk Sampling – a small mining target window for Platinum,
- ❑ Knowledge gained on the Platinum system – via Sorpresa work
- ❑ Investor Relations partner to communicate regular News-flow to a wider audience.



Thank You



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