



12<sup>th</sup> March 2013  
Company Announcements Platform  
Australian Securities Exchange

## **Sorpresa Gravity Geophysical Survey Commences**

### **- Contractor programs planned for RC and Diamond Drilling in March/April**

The Company is currently undertaking a gravity geophysical survey within the Sorpresa Project location (see **Appendix 1** for details). In addition, plans for additional percussion drilling and a new diamond drilling program have almost been finalized, with details to be released over the next two or so weeks.

This will be the first diamond drilling at Sorpresa and is planned to be the deepest drilling program to date.

## **Summary of Current Activities Planned at Sorpresa Project Fifield NSW**

- **A Gravity Geophysical survey (350 readings) is underway, complimenting existing surveys**
  - The program will be completed within one week and data will be integrated with existing surveys
  - Previous gravity surveys have been useful in determining important geology and mineralization correlations, as demonstrated in the first pass RC drill program conducted in April 2011
  - The results will aid drill targeting under “alluvium cover”
  - Aspects of the gravity survey are likely to influence final orientation plans for RC and Diamond drilling
- **A Diamond Drill (DD) program is being finalized**
  - The program is approx. 1,300m in total, comprising a likely 5 holes, in 3 separate locations (see appendix 3)
  - Depths will be approx. 150m to 350m per hole, depending on location
  - Information sought will include structure, geology, mineralization, metallurgy and geophysics response
  - Some holes will partially examine a portion of the IP anomaly, but this is only a preliminary assessment
  - The program is due to start within March/April
- **Percussion Drilling to recommence at Sorpresa in March**
  - Drilling to 150m is being planned for a contractor rig, at a range of targets and stepout mineralization
  - The in-house percussion drill rig will recommence work in the oxide zone, both scout and delineation drilling
- **Results from the last round of “in-house percussion drilling” are due to report within March.**
  - This comprises a small number of holes from the last drill program

### **The Head of Exploration, Colin Plumridge, outlined:**



“An orientated diamond drilling program is being planned to investigate structural features of the Sorpresa system. It is envisaged that the results will provide further technical foundation for pursuing the mineralisation at depth.

To this extent, input from the current gravity survey will help, given that we found earlier surveys provided important input into our understanding of the mineralisation at Sorpresa previously.

A total of 2 x 150m diamond drill holes, will be located one each at the Trench 31 and Roadside areas, shedding more light on local mineralisation controls and provide core samples for metallurgical examination.

Additionally, Diamond holes are also planned south east of the Boundary Gate gold mineralisation, where 2 to 3 holes of approx. 350m depth each, will examine the co-incident gravity and pathfinder multi-element soil anomalism linear trends that appear coincident to resistivity and chargeability responses in the IP also seen there.

The drilling at Boundary Gate is planned in the down dip position of the mineralised horizon, but we caution that we have as yet not located the gold position there (which occurs within this mineralised horizon). This deeper component of the diamond drilling program is anticipated to intersect in part, this gold position, although there is a risk that we will miss it. Nevertheless, the program will still assist in providing better insight to the highly elevated chargeability and resistivity associated with the IP survey.

It should be noted, however, that this first deeper drilling program will not provide an exhaustive test of the IP at this location, due to uncertainty in the strike and dip of this zone. Nor does it resolve the larger IP anomaly noted elsewhere at Sorpresa. This next step is important and one which we must take, following on nicely from the recent successes seen at Roadside and Boundary Gate areas.

A second phase program will then be required to adequately test for high grade mineralisation at depth incorporating structural and geological information from this current program.”

#### **The Executive Chairman, John Kaminsky, commented:**

“This diamond drilling being proposed at Sorpresa is a key component in a multistage process that will unfold. It will be the first deeper drilling conducted in what is anticipated to be a systematic assessment of the connection of the known mineralization, to underlying structure and geophysics at Sorpresa.

We are expecting this initial program to provide an advancement, but it is by no means a definitive test of the geological setting, the system or in fact the mineralization, so this needs to be firmly understood. However, it is information we need to obtain in order to make progress on the bigger picture at Sorpresa.

The likelihood that the holes provide the next level of knowledge is reasonable, particularly with respect to structure and geology, but specific guidance into the mineralization is somewhat speculative at depth, hence our need to learn from these preliminary higher risk holes.

Whilst our expectations are tempered on this deeper diamond drilling, our enthusiasm to do the work is heightened, as we believe the program is well justified to perform the role for which it is designed. More details will follow, with completion of design and contractor engagement.

In parallel, progress will also continue over the ensuing period on further step out percussion drilling. This will be up to 150m or so depths and building our resource inventory as we work towards resource definition at Sorpresa.”

#### **Recent Sorpresa Information Thread**

The Company provides a **hyperlink thread** of the Sorpresa Gold Mineralization area of recent ASX and video materials as follows. The thread provides important views previously expressed, that will assist the reader with understanding the Company's technical consideration and outlook for the work it is undertaking:

1. ASX February 19<sup>th</sup> 2013 [Continuous 350m Section Established at Roadside Area & New Gold Zone Intersected](#)
2. ASX January 31<sup>st</sup> 2013 [Quarterly Exploration Activities December 2012](#)
3. ASX December 18<sup>th</sup> 2012 [Sorpresa Project Produces More Encouraging Results](#)
4. ASX November 22<sup>nd</sup> 2012 [Presentation for 2012 AGM](#)
5. ASX November 5<sup>th</sup> 2012 [Best Silver Grades to Date Seen at Sorpresa Project Area](#)
6. ASX October 10<sup>th</sup> 2012 [Highest Gold and Silver Grades seen to date at Sorpresa Project](#)
7. ASX September 17<sup>th</sup> 2012 [First Gold Sections Created at Sorpresa Project – New Assay Results](#)
8. ASX August 31<sup>st</sup> 2012 [New Gold in Soil Zones Located 4km South of Sorpresa](#)
9. ASX July 31<sup>st</sup> 2012 [Quarterly Exploration Activities June 2012](#)
10. ASX July 26<sup>th</sup> 2012 [Successful Intersections at Sorpresa Gold Project](#)

11. ASX June 13<sup>th</sup> 2012 [High Grade Gold Intersection Sorpresa Project – Fifield NSW](#)
12. ASX May 28<sup>th</sup> 2012 [Sorpresa Gold Project has Increased Potential at Depth](#)  
A video link is provided to a [3D model of the IP Anomaly at Sorpresa \(click here\)](#).
13. ASX April 30<sup>th</sup> 2012 [Quarterly Exploration Activities March 2012](#)
14. ASX January 31<sup>st</sup> 2012 ([Quarterly Exploration Activities December 2011](#))
15. A video link is provided [January 2012 Sorpresa Gold Project – Trench 31 Area Review Video](#)
16. ASX 28th November 2011 [AGM Exploration Presentation – Including Key Summary Assay results of Sorpresa](#)
17. Rimfire Website Summary [Brief history of Sorpresa Mineralization discovery and style \(to September 2011\)](#)
18. ASX [Assays Confirm Significant Gold and Silver at Sorpresa Project 6<sup>th</sup> July 2011](#)

### **Metal Prices**

As at 11<sup>th</sup> March 2013, the approx. trading prices ([Kitco.com](#)) for metals in New York based on opening Ask in USD were as follows:

Gold	\$1,583/oz
Platinum	\$1,608/oz
Silver	\$29/oz



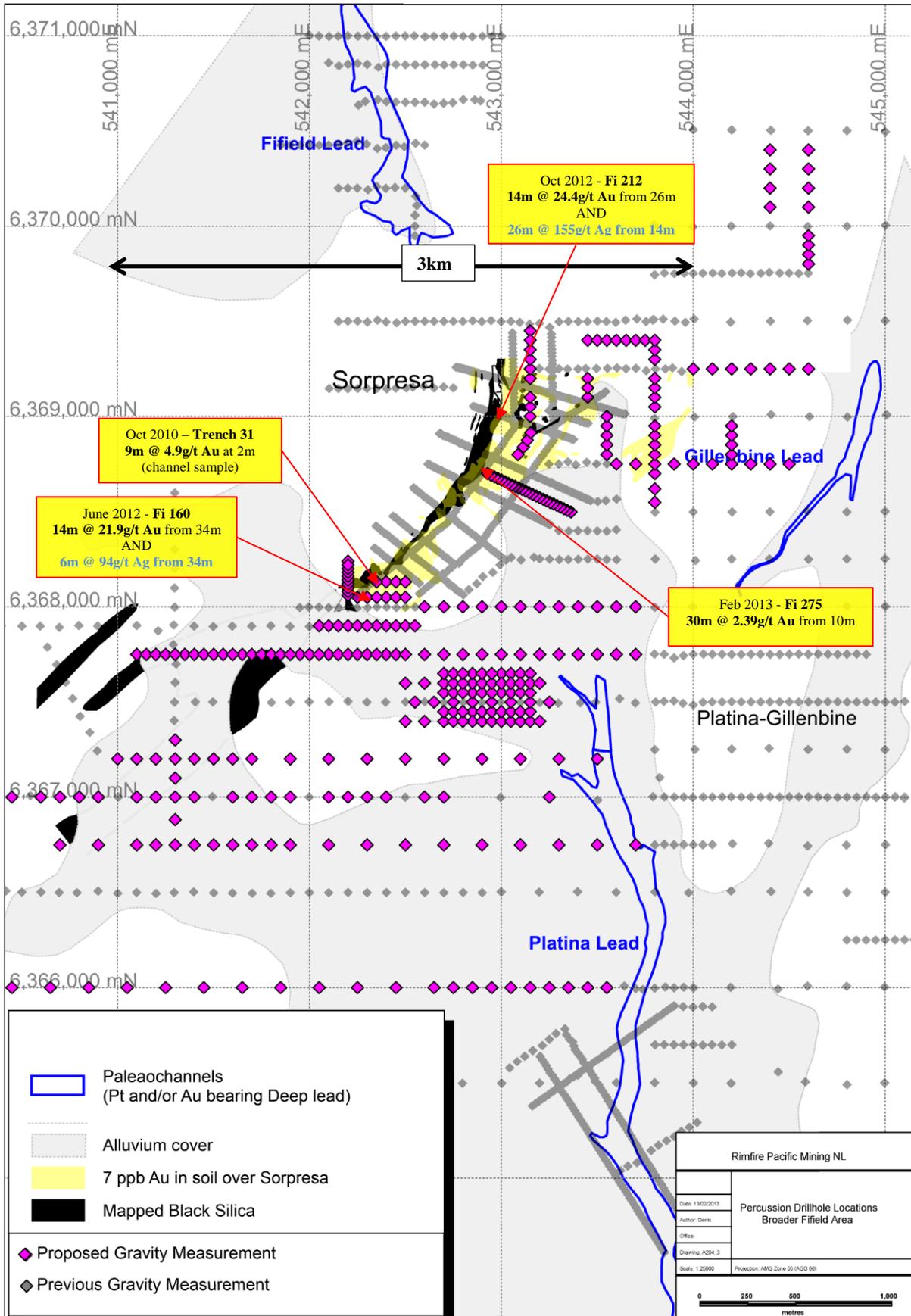
**JOHN KAMINSKY**  
**Executive Chairman**

*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. and is a consulting geologist to the Company. He has sufficient experience, which is relevant to the style of mineralization and type of deposit under consideration and to the activity, which is being undertaken to qualify as 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 his information in the form and context in which it appears.*

# APPENDIX 1

## Plan View Ground Gravity Surveys New and Previous - Sorpresa Project

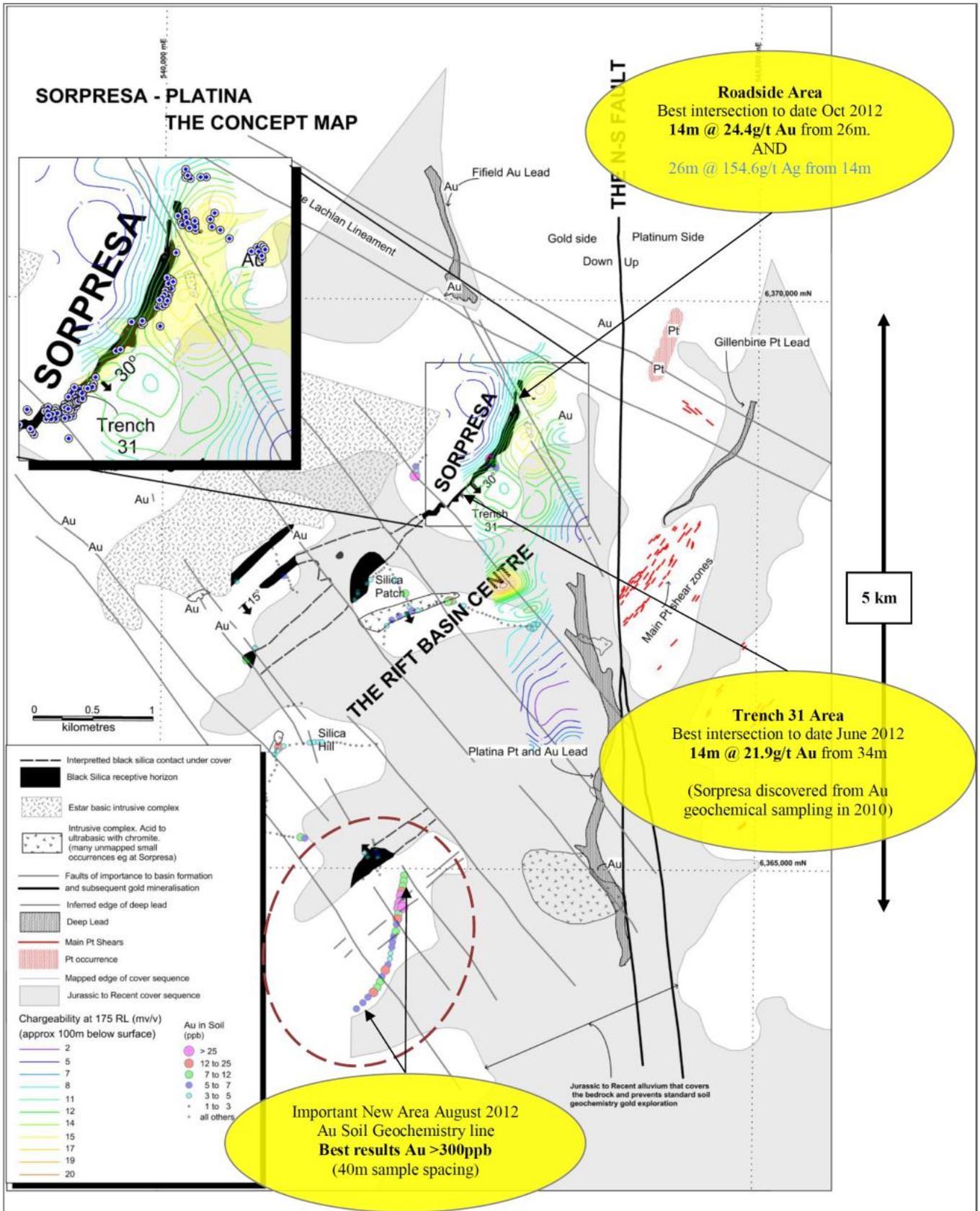
Selected reference assays are shown for orientation. Refer previous ASX tables for complete results.



**Appendix 2**

**The Geological Concept Model – Syncline Rift Basin in Plan View**

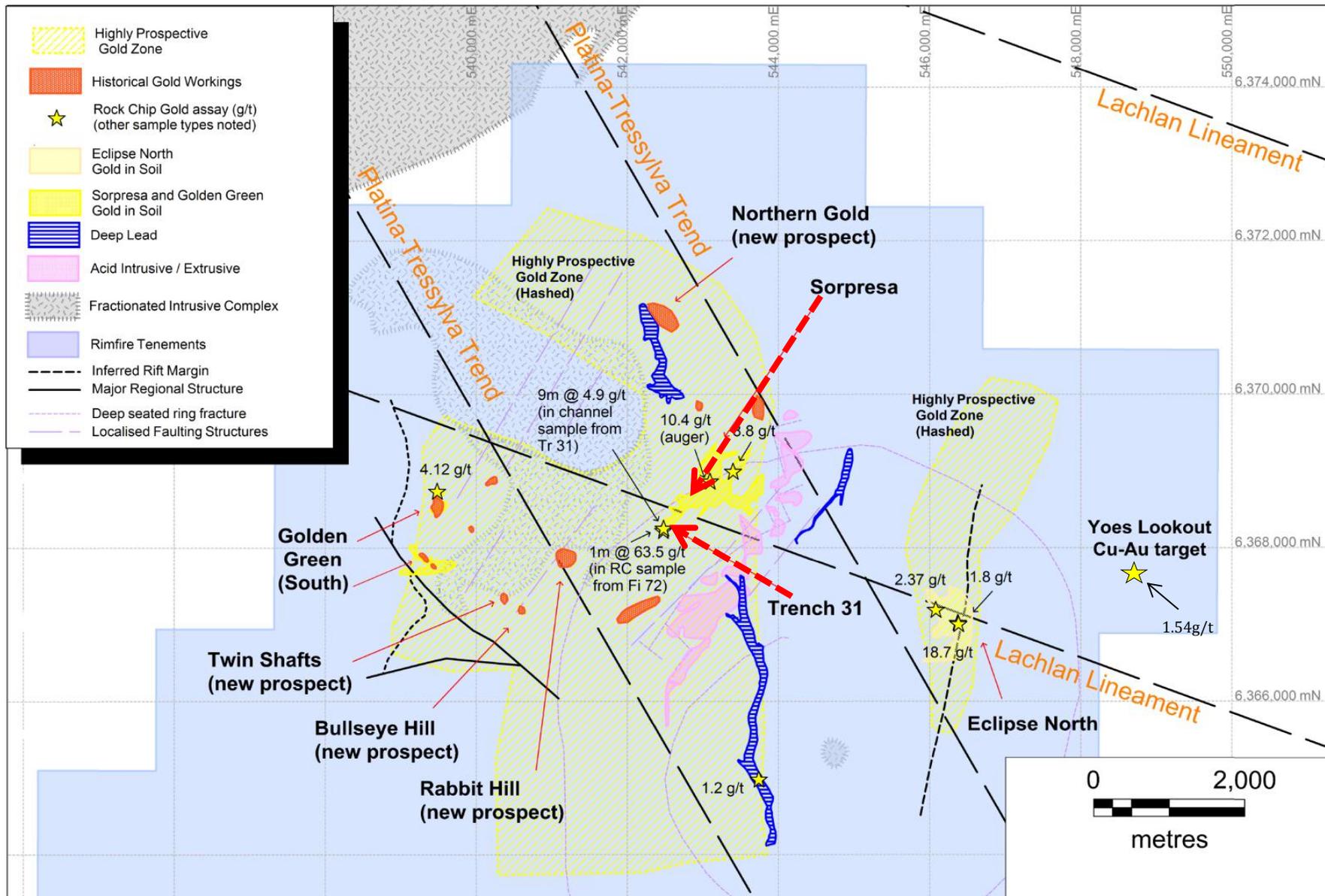
(Note that the IP survey response at approx. 100m depth is overlaid)





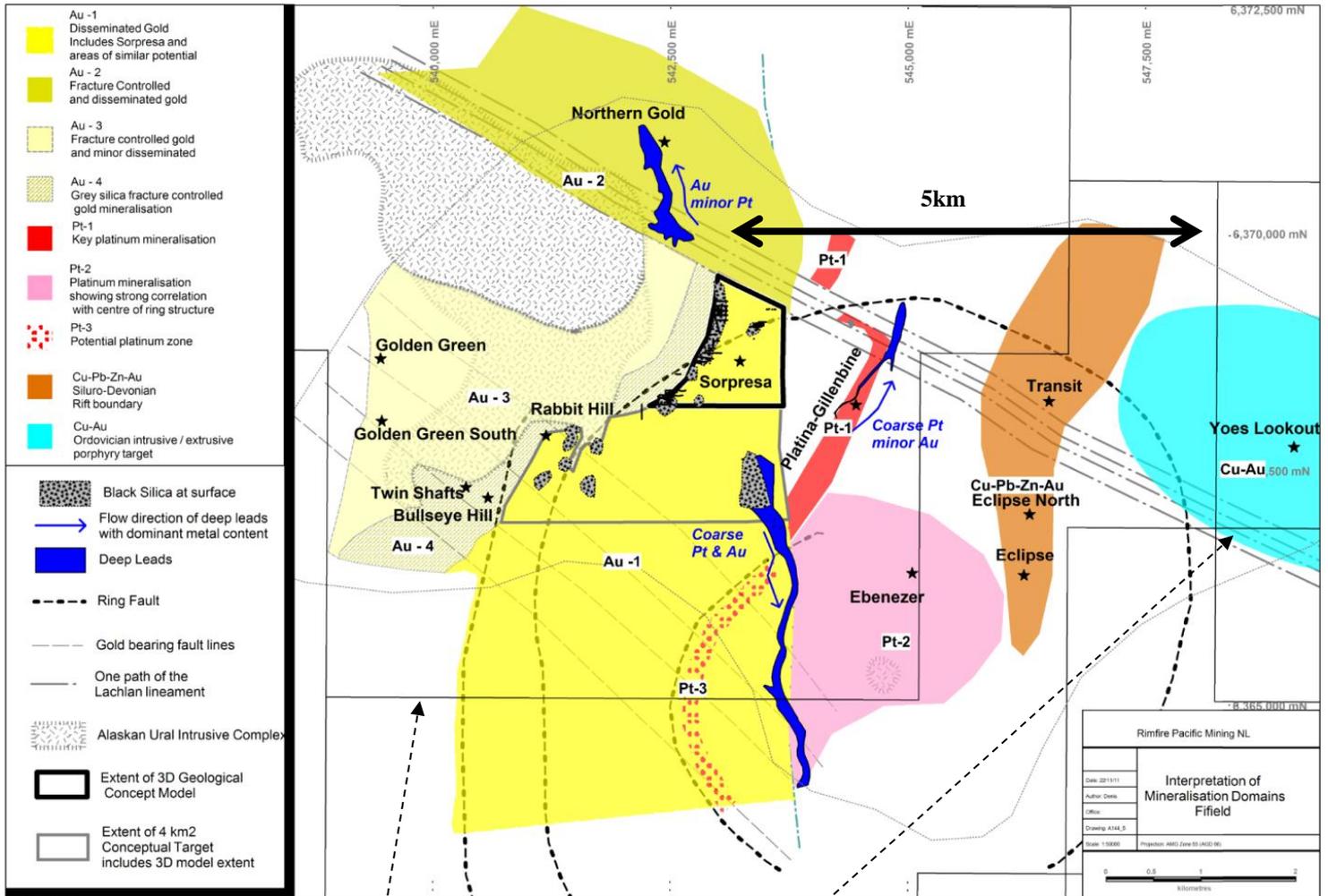
## APPENDIX 4

### EL5534 The Sorpresa Area Anomalous Gold Zone – within the wider Fifield Gold Observations “Some” other Prospects Highlighted

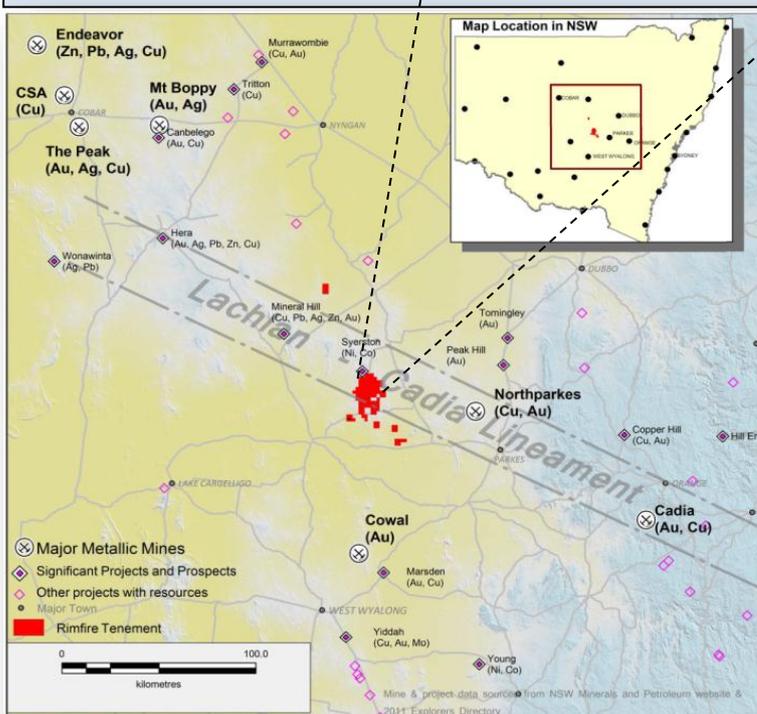


## Appendix 5

### Project Locations at Fifield NSW within Lachlan-Cadia Lineament and Metal Zoning Interpretations at Rimfire Fifield Project Areas



### Regional Position for Fifield Mineralization



*Rimfire tenements shown in red (at left) within the Lachlan-Cadia Lineament.*

*Metal zoning interpreted (above) within key Rimfire Tenements at Fifield, making this an exciting location for discoveries.*

*Note the Black Silica areas (above) mapped as part of the Au receptive horizon inferred*