



**Oakland**

RESOURCES

**ASX Release**

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LIMITED

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For the latest news:  
[www.oaklandresources.com.au](http://www.oaklandresources.com.au)

Directors / Officers:  
Matthew Wood  
Vern Tidy  
Scott Funston  
David McEntaggart

Issued Capital  
30 million shares  
12.1 million options

ASX Symbol: OKL

# DECEMBER 2012 QUARTERLY ACTIVITIES REPORT

## HIGHLIGHTS

- **Wongoni Project contains host rock sequence, gravity signature and magnetic signature akin to Cadia and North Parkes Mines.**
- **Extensive porphyry alteration indicative of significant Gold Copper mineralisation identified at Wongoni.**
- **Robust drill targets defined for testing.**
- **The Company has been evaluating and pursuing a number of acquisition opportunities during the last quarter.**

## WONGONI PROJECT

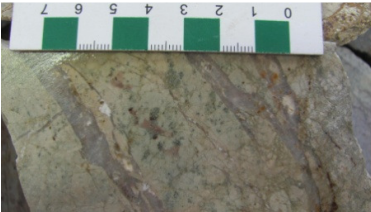
The Company has continued to explore the Wongoni Project, which it believes has outstanding potential to host a Cadia type deposit (Newcrest Mining : 44 Million ounces Gold, 7.5 Million tonnes Copper<sup>1</sup>) (Figure 2).

The Wongoni Project includes an area of historic small scale copper production which has received limited modern exploration. Previous explorers have focussed on targeting near surface or shallow mineralisation.

Work undertaken by the Company has identified that the Wongoni Project host rock sequence is similar in composition to those that host mineralisation at both Cadia and Northparkes (Rio Tinto : 2.2 Million ounces Gold, 1.5 Million tonnes Copper<sup>2</sup>). These host rocks are known to be associated with gold rich porphyry copper systems and the presence of these rocks at Wongoni significantly increases the prospectivity of the area (Figure 3).

Analysis of regional geophysical data indicates that the Wongoni Project has a gravity (Figure 4) and magnetic (Figure 5) signature akin to North Parkes and Cadia Mines, further validating the Project's prospectivity.

An extensive alteration system indicative of porphyry Gold Copper mineralisation has also been identified at Wongoni. This alteration is similar to that which occurs above the massive Cadia East Mine currently under development by Newcrest. Re-logging and analysis of historic drilling on the Project has enabled the Company to determine that this alteration is zoned and thus provides a vector to potential mineralisation. Geochemical analysis of historic drilling samples completed this quarter has increased confidence in the interpretation of the alteration zonation and identified and



Wongoni Project  
Drillhole DD92HV14 - 53m  
Quartz-kaolinite veining in  
silica-sericite-pyrite altered  
volcaniclastic



Wongoni Project  
Drillhole DD92HV14 - 75m  
Pyrite-iron oxide veining with  
intense albite alteration  
selvage in silica-sericite-  
haematite altered  
volcaniclastic



Wongoni Project  
Drillhole DD92HV14 - 87m  
Quartz-pyrite-chlorite vein  
in silica-sericite-haematite  
altered volcaniclastic

enabled refining of the location of drill targets (Figure 6).

Two robust drill targets have been defined and the Company is currently developing a strategy on how to effectively test these targets.

## CORPORATE

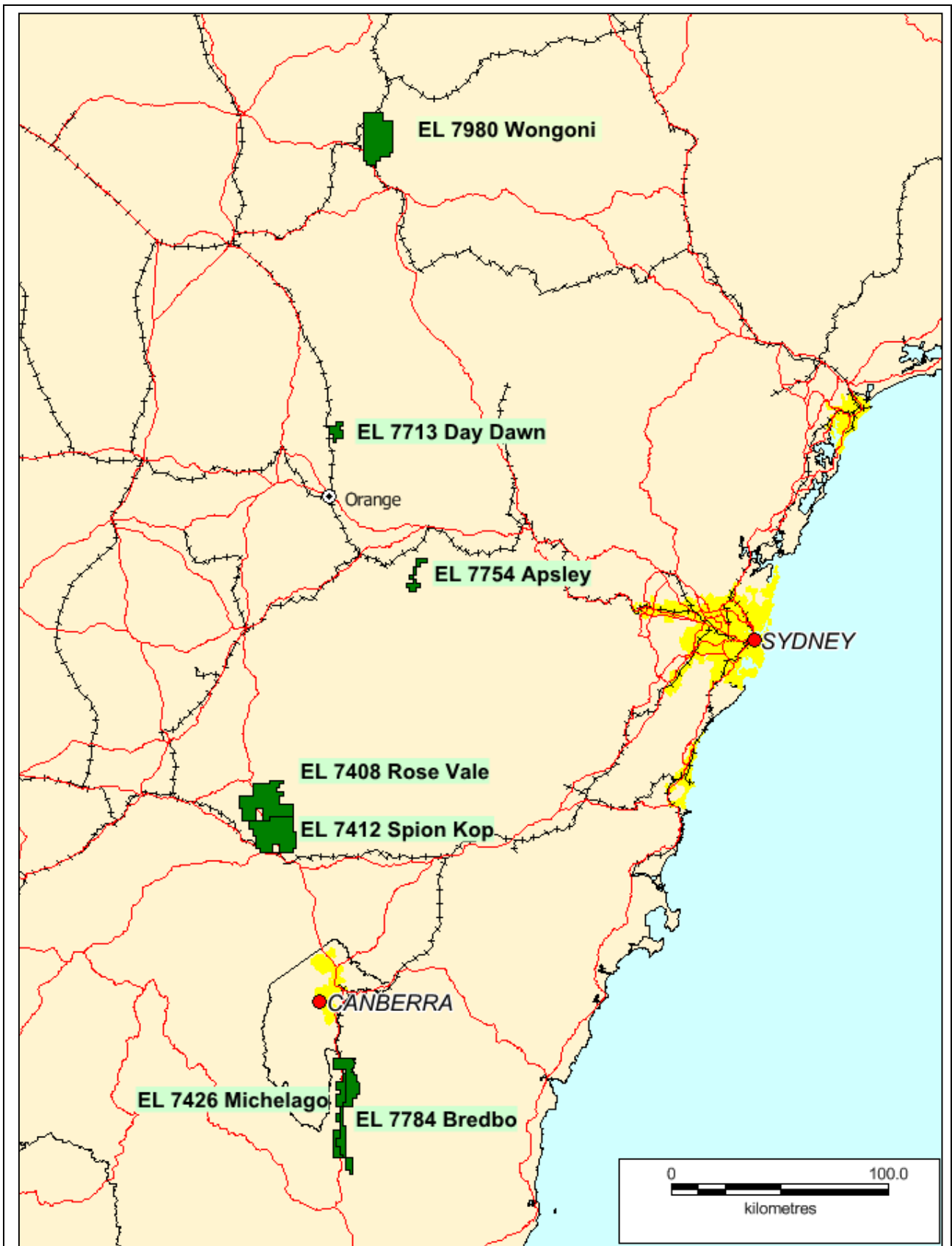
The Company has rationalised its tenement holdings in New South Wales (Figure 1). Review of the prospectivity of all of the Company's assets is ongoing.

The Company has been evaluating and actively pursuing a number of acquisition opportunities during the last quarter. A number of projects have been identified both in Australia and overseas.

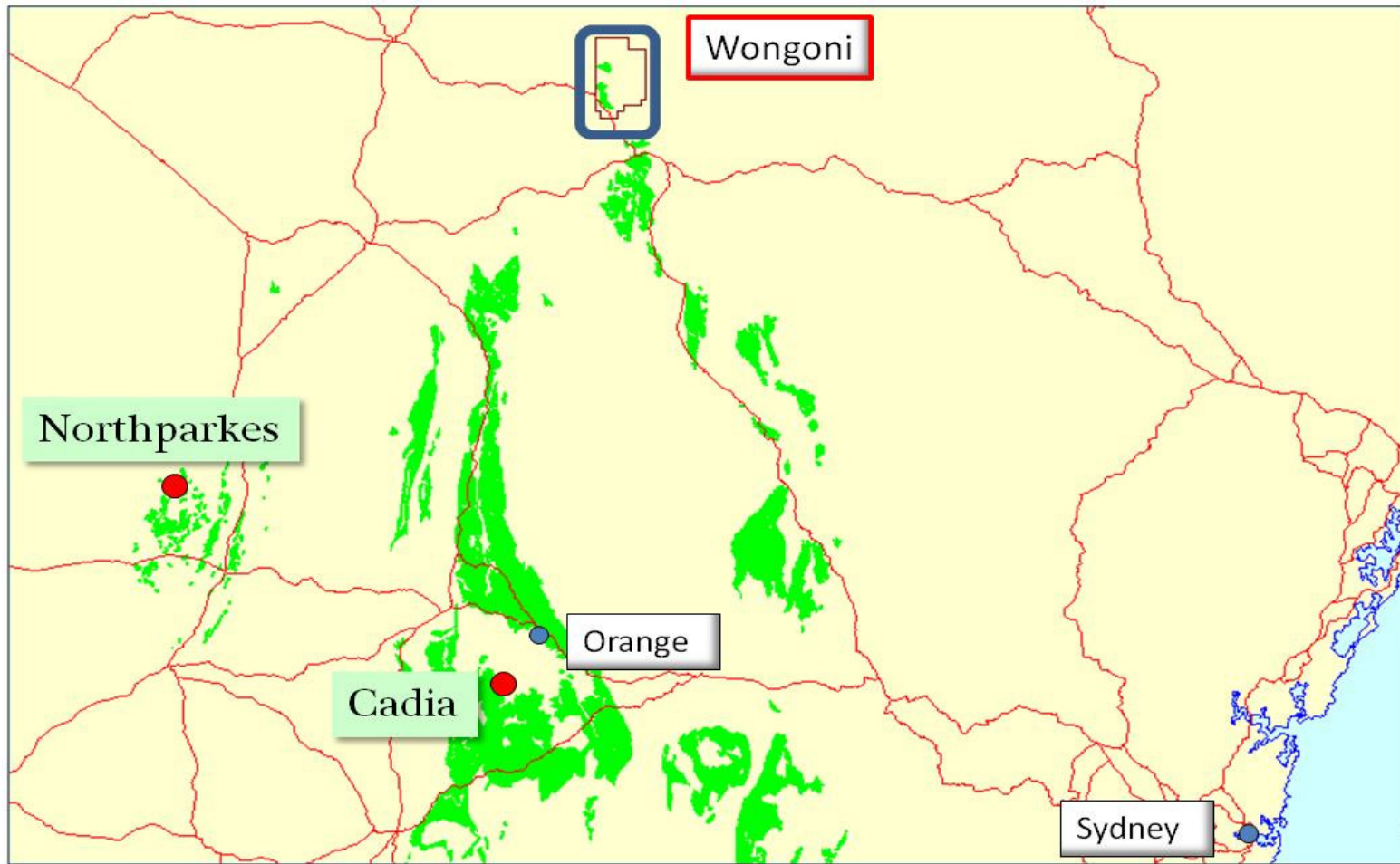
### Matthew Wood Executive Chairman

1. Wood, D.G., *Crucial Challenges to Discovery and Mining: Tomorrow's Deeper Ore Bodies*, SEG 2012 Conference in Lima, Peru.
2. Newcrest Mining Ltd, Cadia Valley Operations Presentation, OzGold International Study Tour, November 2011.

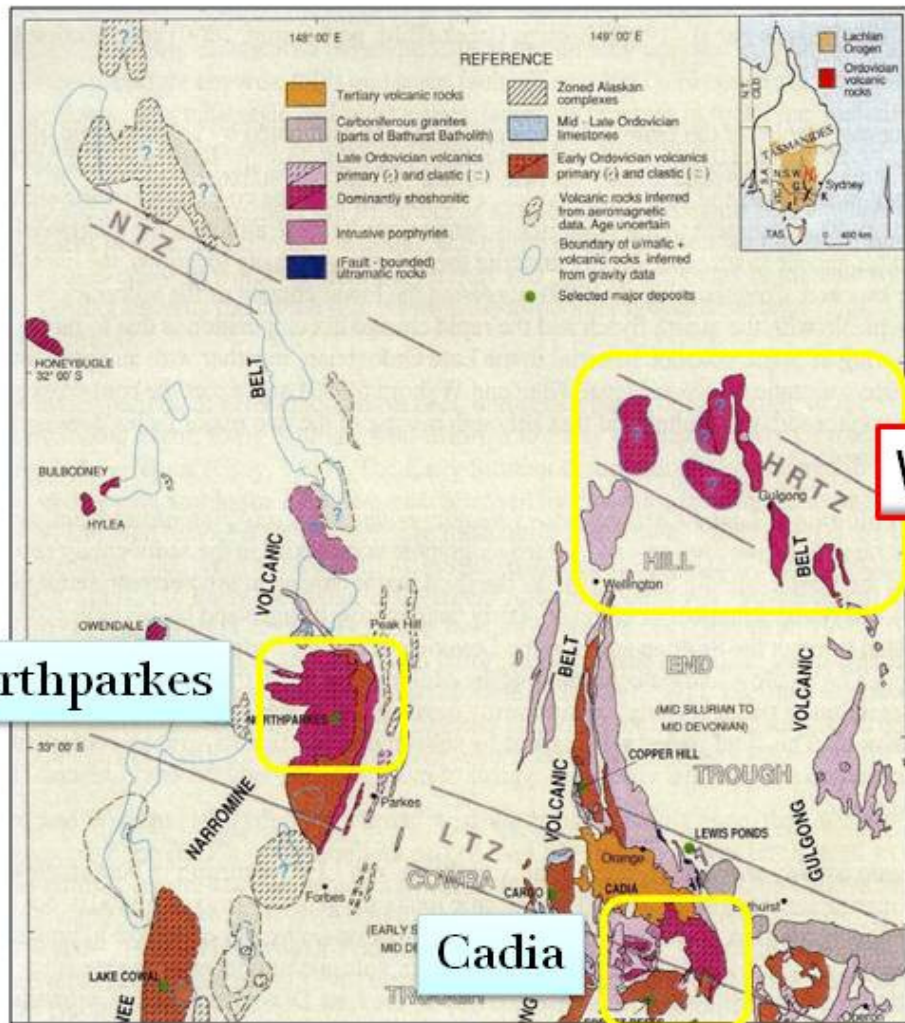
*The information in this report that relates to Mineral Resources and Exploration Results are based on information compiled by Mr Mark Arundell who is a Member of the Australian Institute of Geoscientists. Mr Arundell is a consultant to Oakland Resources Limited. Mr Arundell has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Arundell consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*



**Figure 1 :** Oakland Resources– New South Wales Projects



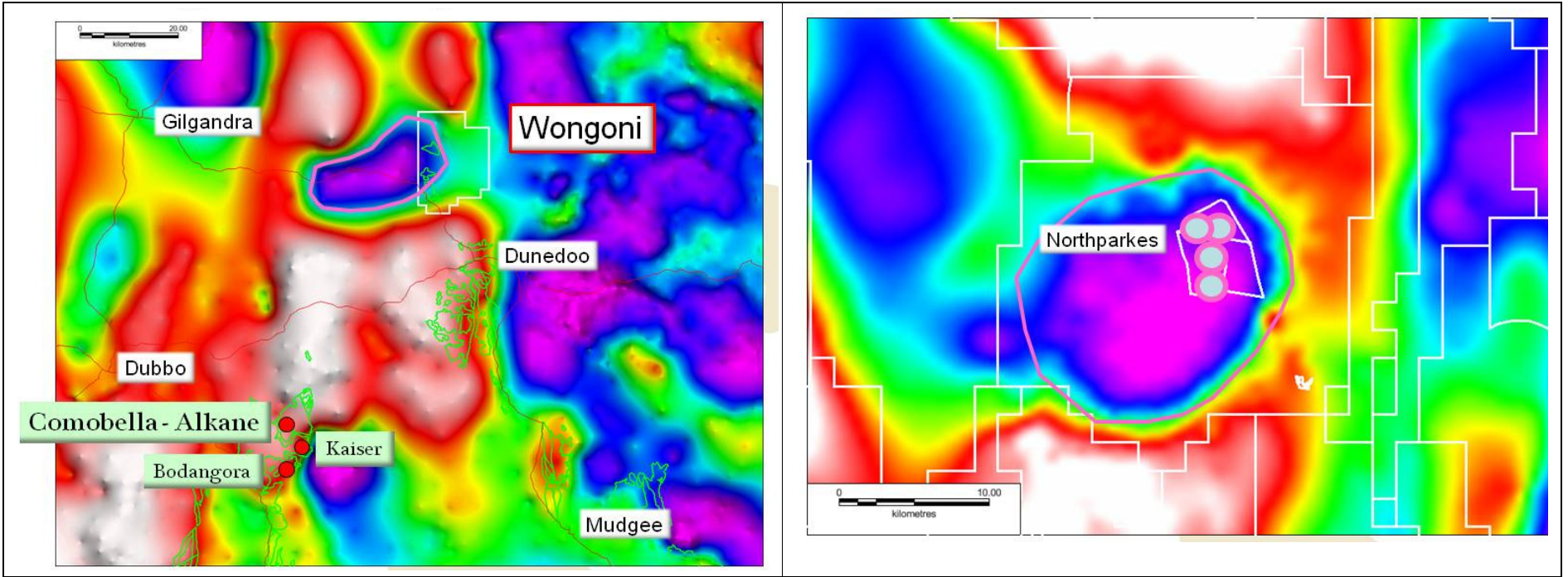
**Figure 2** : Wongoni Project. Prospective volcanic rocks for porphyry Gold-Copper mineralisation shown in light green



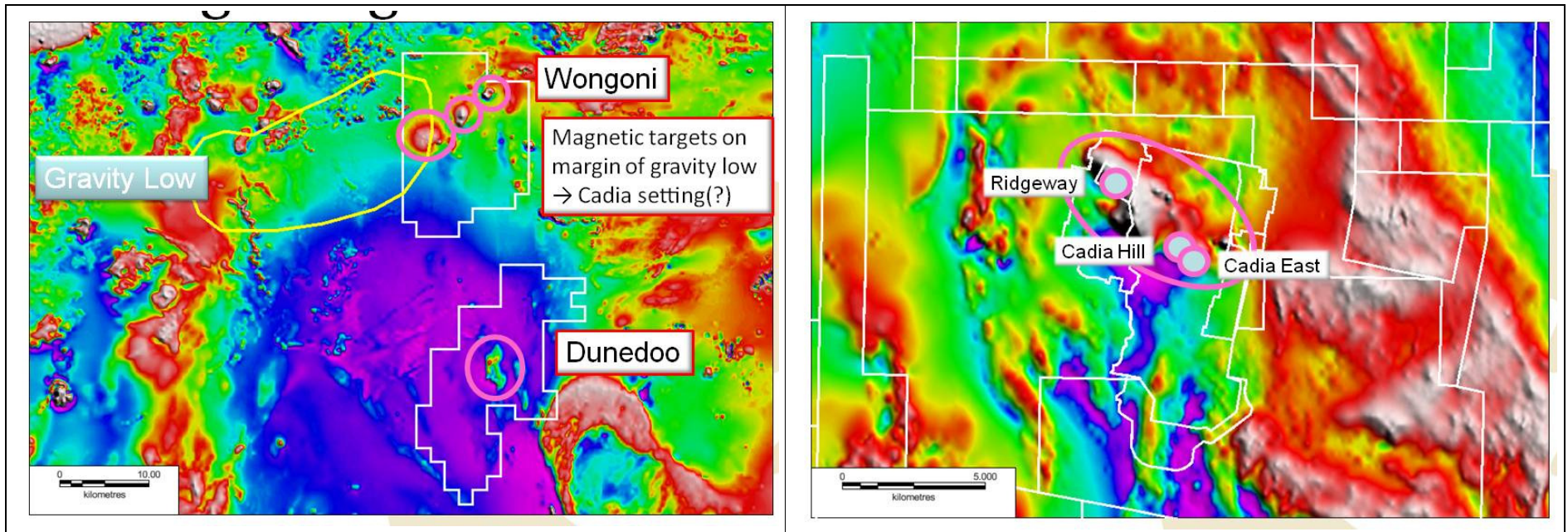
Agnew, 2000. *Magmatic / Hydrothermal Cu-Au Deposits of the Lachlan Fold Belt, NSW*. Uni of Tas.

**Figure 3** : Wongoni Project. Host rock sequence at Northparkes & Cadia also occurs at Wongoni



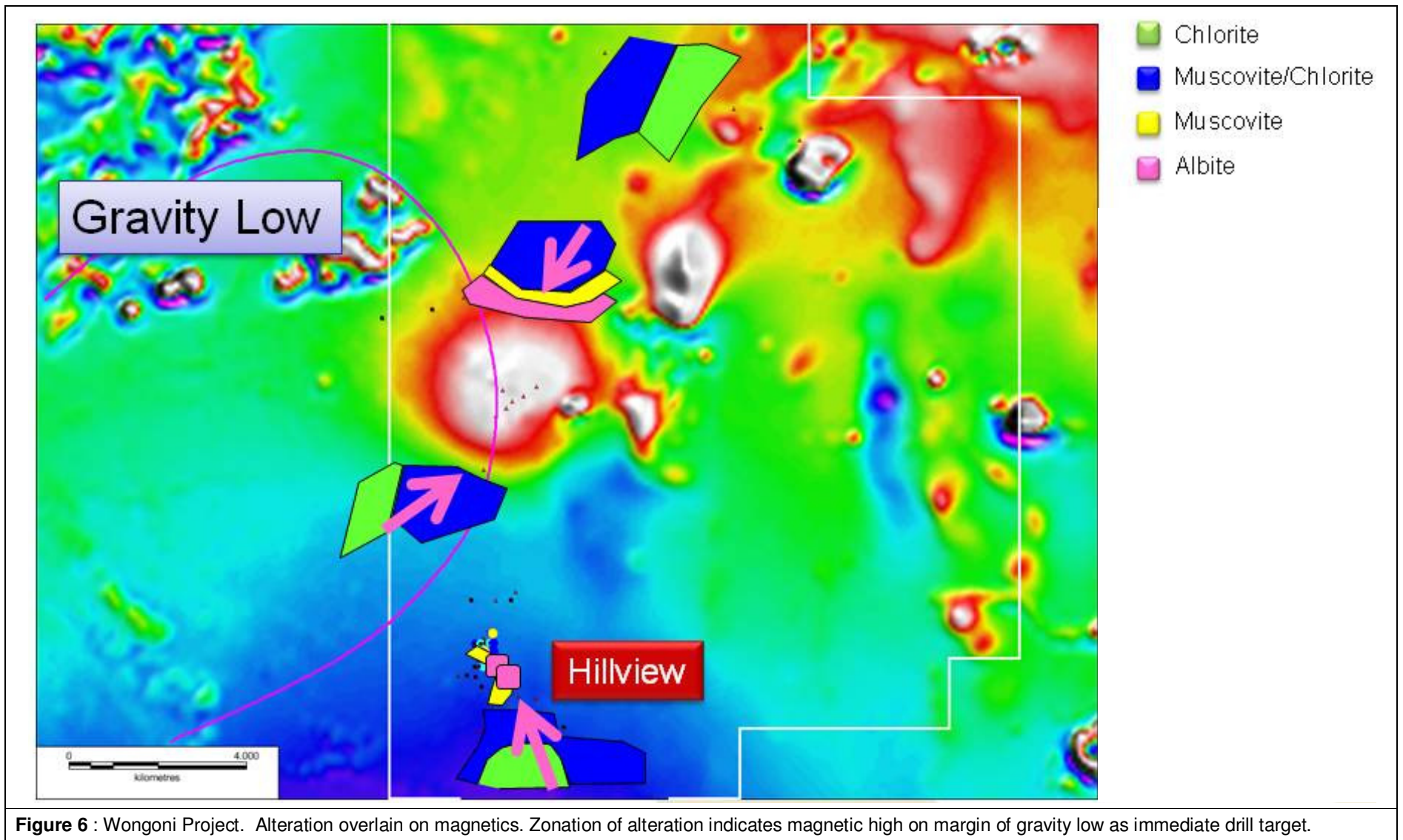


**Figure 4** : Wongoni Project. Regional gravity at Wongoni with comparison to gravity signature at Northparkes (Rio Tinto)



**Figure 5 :** Wongoni Project. Regional magnetics at Wongoni with comparison to magnetic signature at Cadia (Newcrest Mining)





**Figure 6 :** Wongoni Project. Alteration overlain on magnetics. Zonation of alteration indicates magnetic high on margin of gravity low as immediate drill target.