

6 MAY 2013

# ASX Release

## Significant copper mineralisation returned from Khamsin prospect



Further significant results have been returned from the Khamsin prospect near OZ Minerals' Carrapateena copper-gold project in South Australia.

Results just returned from the fourth hole targeting the Khamsin gravity-magnetic feature, DD13KMS006, are the best received to date. Significant intersections include:

From (m)	Interval (m)	Copper %	Gold g/t
*613	34	1.61	0.40
**909	334	0.75	0.23
<i>Including</i>			
**1033	108	0.92	0.40

\*Intervals calculated using a 0.7% cut-off grade, are down hole length weighted, and include unlimited internal dilution.

\*\*Intervals calculated using a 0.1% cut-off grade, are down-hole length weighted and include unlimited internal dilution.

See figure 1 for location and figure 2 for cross-section.

Khamsin is located approximately 10 kilometres north west of the Carrapateena project, which is currently the subject of a pre feasibility study. The discovery of significant widths of lower grade copper from the first hole drilled<sup>A</sup> by OZ Minerals at Khamsin was announced earlier this year (ASX Release 21 January 2013). Follow-up drilling has been underway since then and further mineralisation in hole DD13KMS004W3 was reported in OZ Minerals' Quarterly Report in April.

This most recent drilling is encouraging as, for the first time, the copper grades and intervals of bornite and chalcopyrite (both copper minerals) are of similar tenor to those seen at Carrapateena. The sulphide mineralisation is best described as containing strong intervals of disseminated and fracture infilled bornite interspersed with fine to medium grained veined and blebby disseminations of chalcopyrite.

Results from the last 350 metres of the hole are still awaited, however, the strongest visual mineralisation observed was within the intersections reported above.

As the drilling has headed west of the Khamsin discovery hole, both copper grade and Carrapateena style haematite alteration and brecciation have increased indicating that the Company is starting to intersect higher grade copper sections of the anomaly.

Follow-up drilling currently in progress is targeting the same body of bornite and chalcopyrite mineralisation at levels above those intersected in hole DD13KMS006. Further drilling is then planned from the northern side of the mineralised body, to start to define the boundaries of this copper mineralisation. The intervals above are down-hole intercepts, the mineralised zone at 613m down-hole starts at approximately 580 metres below surface.

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*Managing Director and CEO Terry Burgess said, "It is very encouraging that within four holes of discovering mineralisation at Khamsin we are starting to identify higher grade zones that appear similar to those we see in the main body at Carrapateena. We will now follow up this drilling to begin to ascertain its scale and significance in the broader Carrapateena project."*

Drilling is also ongoing at the Fremantle Doctor gravity-magnetic target where visual copper sulphide mineralisation has been intersected in hole DD13FDR005, over an interval of 120 metres from 990m down hole. The Fremantle Doctor anomaly is located approximately 2.5 kilometres north east of Carrapateena and is interpreted to be associated with the Carrapateena anomaly. While promising, it is too early to draw any conclusions as to the quality of this mineralisation and results are awaited.

<sup>A</sup> – Teck Australia Pty Ltd drilled two holes at Khamsin KH001 and KH002 in 2007. Both holes failed to intersect mineralisation.

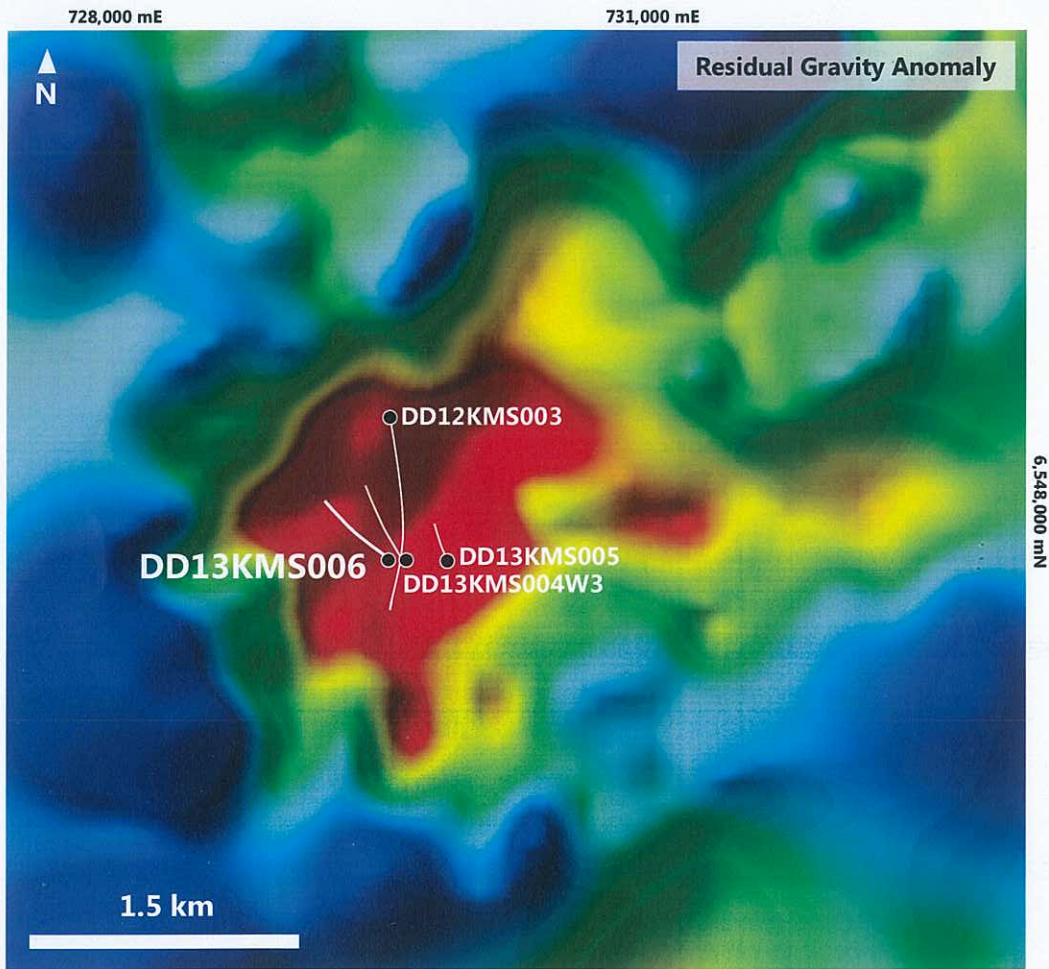
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#### **COMPETENT PERSONS STATEMENT**

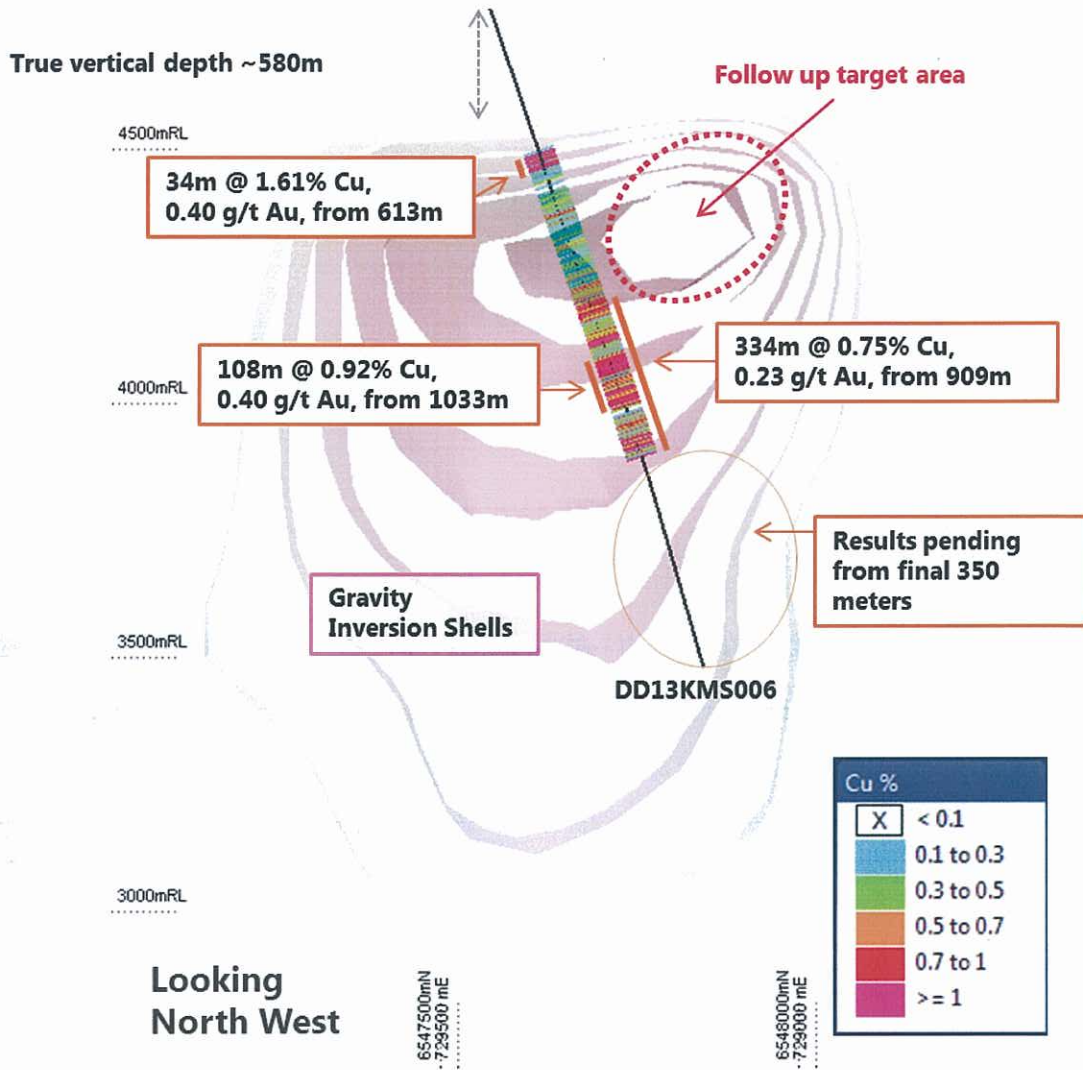
Within this release all references to Exploration Results are based on information compiled by Mr Anthony Houston BSc who is a full-time employee of OZ Minerals, is a member of the Australian Institute of Geoscientists and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken to qualify as a Competent Person as defined by the JORC Code (2004). Mr Houston has consented to the inclusion of the material in the form and context in which it appears.

Figure 1. Location of Khamsin Prospect drilling. Gravity image as background.



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Figure 2. Khamsin hole DD13KMS006 cross section. Results from last 350 metres of hole still awaited.



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