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ASX Release

Carrapateena Resource upgrade, and a significant new regional exploration copper discovery



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OZ Minerals is pleased to announce an updated Mineral Resource for the Carrapateena deposit showing a 43 percent increase in total Indicated and Inferred Resources at 0.7% Cu cut-off.

In addition, a significant regional exploration discovery has been made at the Khamsin Prospect, located almost 10 kilometres northwest of the Carrapateena deposit.

Carrapateena

The estimated Mineral Resource for the Carrapateena deposit is shown in Table 1 below. This updated resource is based on data obtained from 93 drill holes, including wedges, totalling 57,257 metres that intersected the main body of the copper mineralisation. The cut-off date for drilling data which contributed to this update was 31 October 2012. The Resources have been reported in compliance with the JORC (2004) Code.

Table 1. Summary Mineral Resources for the Carrapateena Deposit

Classification	COG ¹ % Cu	Volume (Mm ³)	Tonnage (Mt)	Density (t/m ³)	Cu %	Au g/t	CuEq ² %	U ppm	Ag g/t
Indicated	0.3	115	392	3.41	0.97	0.39	1.20	165	4.2
	0.5	82	282	3.44	1.20	0.48	1.48	197	5.2
	0.7	59	202	3.45	1.43	0.56	1.77	227	6.2
Inferred	0.3	108	368	3.40	0.58	0.21	0.71	120	2.3
	0.5	56	193	3.43	0.76	0.26	0.91	144	2.8
	0.7	26	90	3.43	0.96	0.30	1.14	162	3.6
Total	0.3	223	760	3.41	0.78	0.30	0.96	143	3.3
	0.5	138	475	3.43	1.02	0.39	1.25	175	4.2
	0.7	85	292	3.44	1.29	0.48	1.58	207	5.4

¹ COG refers to cut-off grade

² CuEq refers to copper equivalent and is calculated as Cu + 0.6 * Au. See the Explanatory Notes for further details of the derivation of this formula

A copy of the 2012 Carrapateena Mineral Resources Statement and accompanying Explanatory Notes can be found on the OZ Minerals website at www.ozminerals.com/operations/resources--reserves.html.

Since the maiden Inferred Resource statement announced by OZ Minerals in 2011, the recent inclined infill exploration drilling program has successfully achieved the following:-

- Realised a 43 percent increase in total Indicated and Inferred Resources at 0.7% Cu cut-off.

- Upgraded a significant part of the original Inferred Resource and also part of the northern exploration target area to Indicated Resource status.
- Delineated a further increase in Inferred Resources within the northern exploration target area and also directly beneath the main body of the current Indicated Resource mineralisation.
- More clearly defined the margins of the resource envelope where we now see a significant increase in the cross sectional area of the mineralised "footprint".

Table 2 displayed below shows a comparison between the 2011 and 2012 Mineral Resource figures.

Table 2. Summary of Current (2012) and Previous (2011) Mineral Resources for the Carrapateena deposit at 0.7% Cu COG

Classification	Estimate	Tonnage (Mt)	Cu %	Au g/t	CuEq %	U ppm	Ag g/t
Indicated	2011	-					
	2012	202	1.43	0.56	1.77	227	6.2
Inferred	2011	203	1.31	0.56	1.65	229	6.0
	2012	90	0.96	0.30	1.14	162	3.6
Total	2011	203	1.31	0.56	1.65	229	6.0
	2012	292	1.29	0.48	1.58	207	5.4

OZ Minerals Managing Director and CEO Terry Burgess said, "Since completing the acquisition of the Carrapateena copper-gold project in South Australia in May 2011 we have improved the inventory of Mineral Resources by some 43 percent and through a very targeted infill exploration drilling program have increased our confidence in the resource as evidenced by the upgrade from Inferred to Indicated status. This recent drilling has provided us with further evidence that the Carrapateena Resource is a superior deposit with the recognition now that the mineralisation extends beyond the 2011 Resource. The focus during 2013 will be to commence the exploration decline using a tunnel boring machine to allow further geotechnical works to be completed and assess the best mining technique for this resource."

New Mineral Discovery – Khamsin

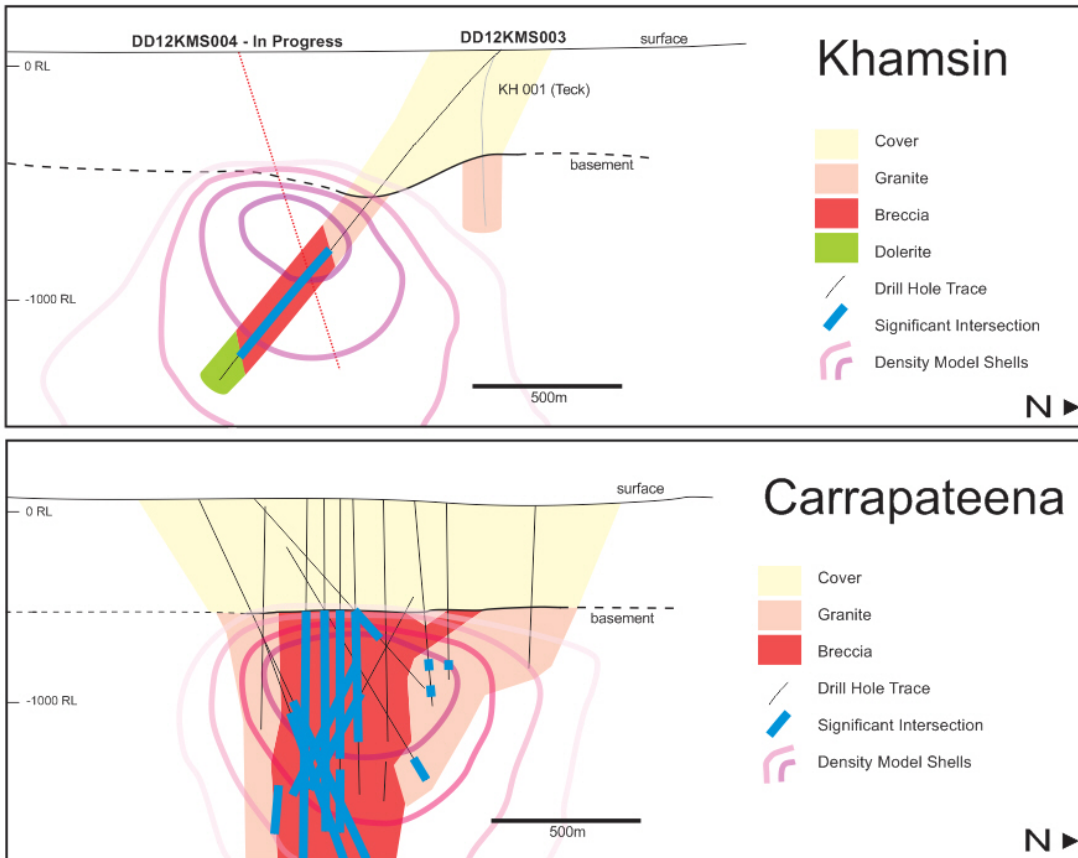
OZ Minerals is pleased to advise that a new mineral discovery has been made at the Khamsin prospect, located almost 10 kilometres northwest of the Carrapateena deposit, as part of its recently commenced regional exploration program.

OZ Minerals first drill hole^A - DD12KMS003 has returned a significant intersection of **440.6 metres @ 0.43% Cu and 0.08 g/t Au from 1,005.4 metres** (including 26.7 metres @ 1.48% Cu, 0.13 Au g/t from 1,005.4 metres^B), within a broader mineralised zone of 569.6 metres @ 0.39% Cu and 0.08 g/t Au from 1,003 metres down hole^C. The hole was collared from the north and drilled at -55° to 173°.

This mineralised intersection consists of a strong, grey hematite and chlorite altered, clast and matrix supported, heterolithic granite breccia. Sulphide mineralisation at Khamsin is represented by fine to medium grained blebby disseminations of chalcopyrite, pyrite and rare bornite.

The alteration and mineralisation style encountered is analogous to rock types intersected on the margins of the Carrapateena copper-gold deposit, as shown in Figure 1 below.

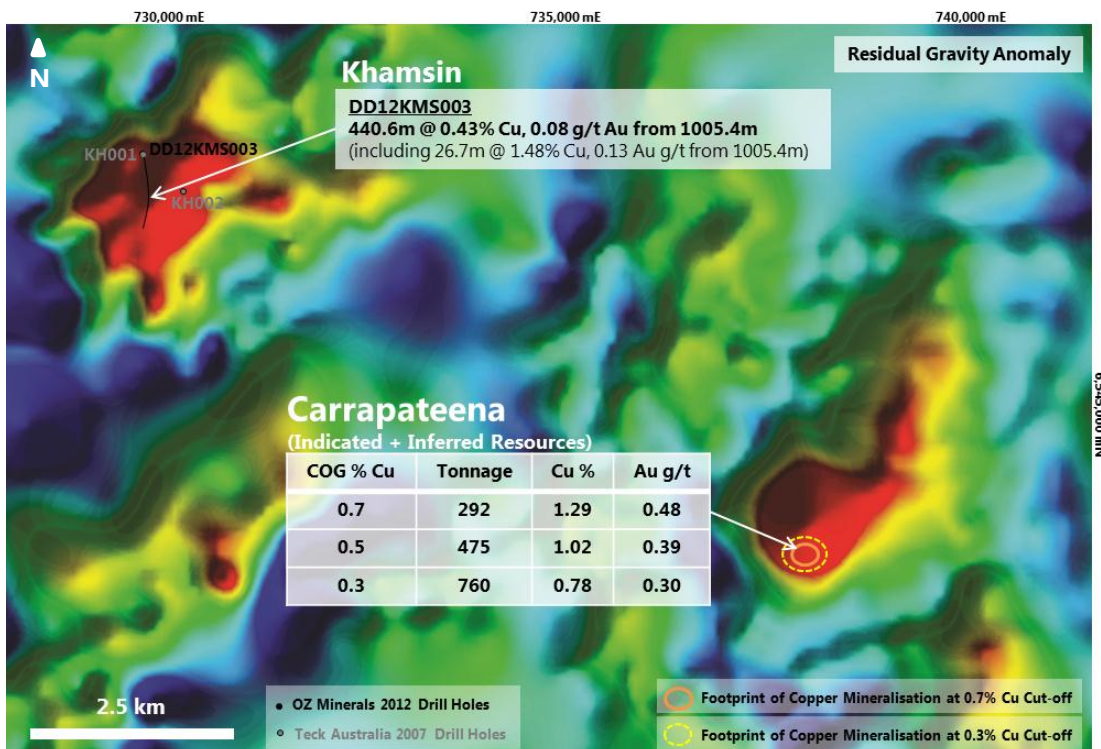
Figure 1. Khamsin and Carrapateena geological cross section schematic



A second hole, DD12KMS004 is currently underway targeting an area located approximately 150 metres to the west of drill hole DD12KMS003.

Future drilling at Khamsin will be designed to assist in determining the orientation of the mineralisation and aid in targeting for higher grade bornite zones, similar to that which occurs at the Carrapateena deposit. A targeted drill program is planned at Khamsin for 2013. See Figure 2 below.

Figure 2. Gravity Image of New Discovery – “Khamsin” Discovery and Carrapateena Resource



About Khamsin

Khamsin, located just under 10 kilometres northwest of the Carrapateena deposit, is a significant gravity feature that is both larger in size and has the same intense residual gravity response as for the Carrapateena deposit. It displays a prominent co-incident magnetic feature located within the central portion of the gravity anomaly. Depths to basement for Khamsin vary between 480 metres to 630 metres below surface.

Within the Carrapateena licenses, OZ Minerals has identified a further nine priority gravity and co-incident magnetic targets, which will be subject to further evaluation over the next 18 months. The initial drilling at Khamsin has been highly encouraging and provides increased confidence for future success on some of the other regional targets identified.

"The geophysics work carried out over the Carrapateena tenement package has allowed us to better define the gravity and magnetic anomalies within the region and thus identify the most prospective drill test targets.

The Khamsin area shows similar geophysical signatures to those of the Carrapateena deposit. OZ Minerals' first drill hole into this area has proved to be very successful with a significant regional discovery in Khamsin less than 10 kilometres from the Carrapateena deposit. Overall, the discovery of Khamsin has demonstrated the significant effort on behalf of the exploration team in identifying this area and being able to successfully deliver results from initial drilling. Further drilling will be undertaken during 2013 to assess and better understand the area" said OZ Minerals Managing Director and CEO.

^A Teck Australia Pty Ltd drilled two drill holes at Khamsin - KH001 and KH002 in 2007. Both holes failed to intersect mineralisation.

^B This length-weighted interval calculated using a 0.7% Cu cut-off grade with up to 4 metres internal dilution.

^C All drill hole intervals referred to in this announcement, except where specifically noted, are length-weighted and calculated using a 0.1% Cu cut-off grade with unlimited internal dilution.

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Competent Persons Statement

The information in this release which refers to Mineral Resources is based on information compiled by Stuart Masters who is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) (108430). Stuart Masters is employed by CS-2 Pty Ltd and is a consultant to OZ Minerals. He 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' (JORC 2004). Stuart Masters consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Stuart Masters BSc (Geology), CFSG, has over 26 years of relevant experience as a geologist including 9 years in Iron-Oxide-Copper-Gold style deposits. Stuart Masters has visited site on many occasions since OZ Minerals acquired the project.

All other references to Exploration Results within this release 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.