VULCAN WEST PRIORITY SULPHIDE TARGET CONFIRMED BY INFILL EM

Enterprise Metals Limited ("Enterprise" or "the Company") (ASX: ENT) wishes to advise that 200m spaced infill EM lines have been completed either side of the moderate to strong late time Moving Loop Electromagnetic (MLEM) conductor previously reported on Line 17,200E (*ASX release 22 October 2015*), and an additional strong response has been located on Line 17,400E.

The Vulcan West MLEM conductor is prominent in late time Channel 32 (Figure 1 below). The EM Profile Plots [Z Component] of Lines 17,200E and 17,400E are shown overleaf in Figures 2 and 3.

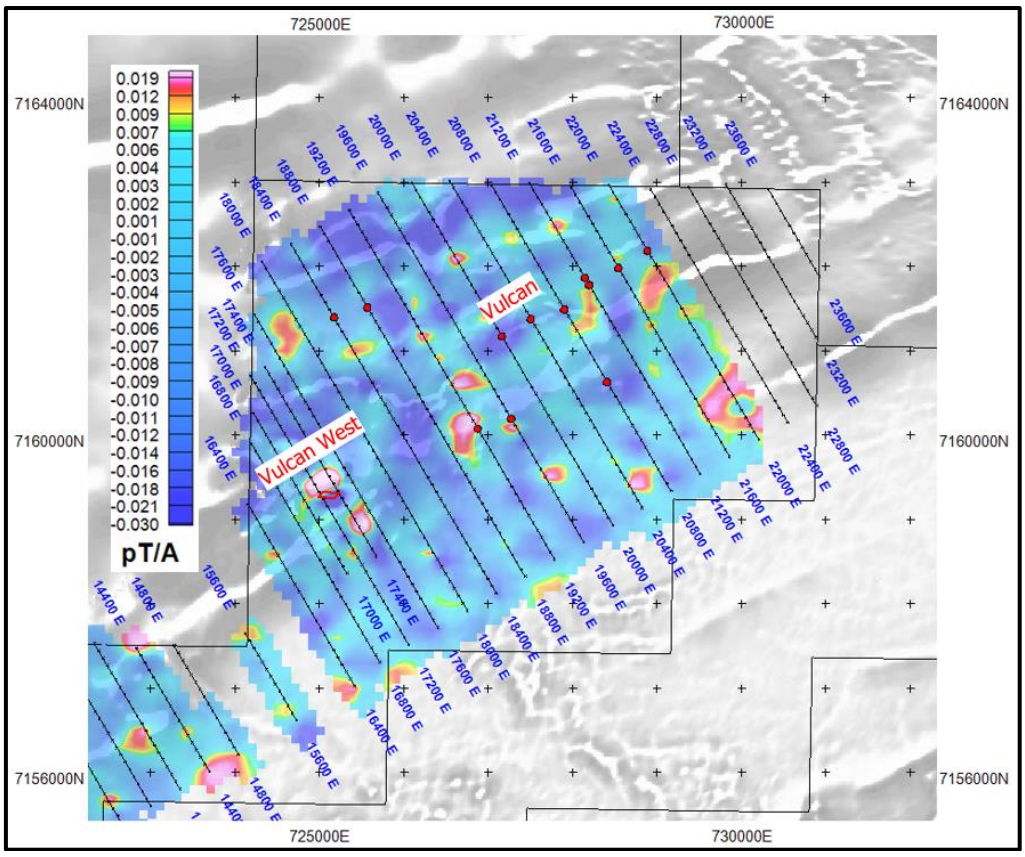

Figure 1. Late time Channel 32 (101.4 msec) Image gridded at 100m grid cell size, overlain on 1st VD Magnetic Image. Red dots are weak conductive responses.

Enterprise's Chairman, Dr Jingbin Wang, commenting on the results of the MLEM survey so far, said: *"Whilst the Company interprets the Vulcan West conductor to be indicative of a massive sulphide body, only drilling and assaying will determine whether copper/zinc massive sulphides are present. However, EM is considered to be a very effective exploration tool in the Bryah Basin based on Sandfire Resources NL's successes at the DeGrussa and Monty deposits."*

The MLEM survey covering the Narracoota and Karalundi Formations is now 88% complete. Final survey data are anticipated to be delivered to the Company in mid-November, with final processing, interpretation and reporting by the Company's geophysical consultants Terra Resources Pty Ltd in late November 2015.

In the meantime, preparations are being made for a drill test of Vulcan West as soon as possible. Timing will be dependent upon approval from the Dept of Mines and Petroleum, heritage clearance, availability of a suitable drilling rig and weather.

Vulcan West EM Conductor

The Vulcan West conductor extends across two lines, 17,200E and 17,400E, is non-stratigraphic and interpreted to be hosted in bedrock (Narracoota/Karalundi Formations). Decay curve analysis suggests that this moderate to strong anomaly has a well-defined exponential decay fit in late channel data (+150msec range), with a time constant (tau) estimate of +48msec.

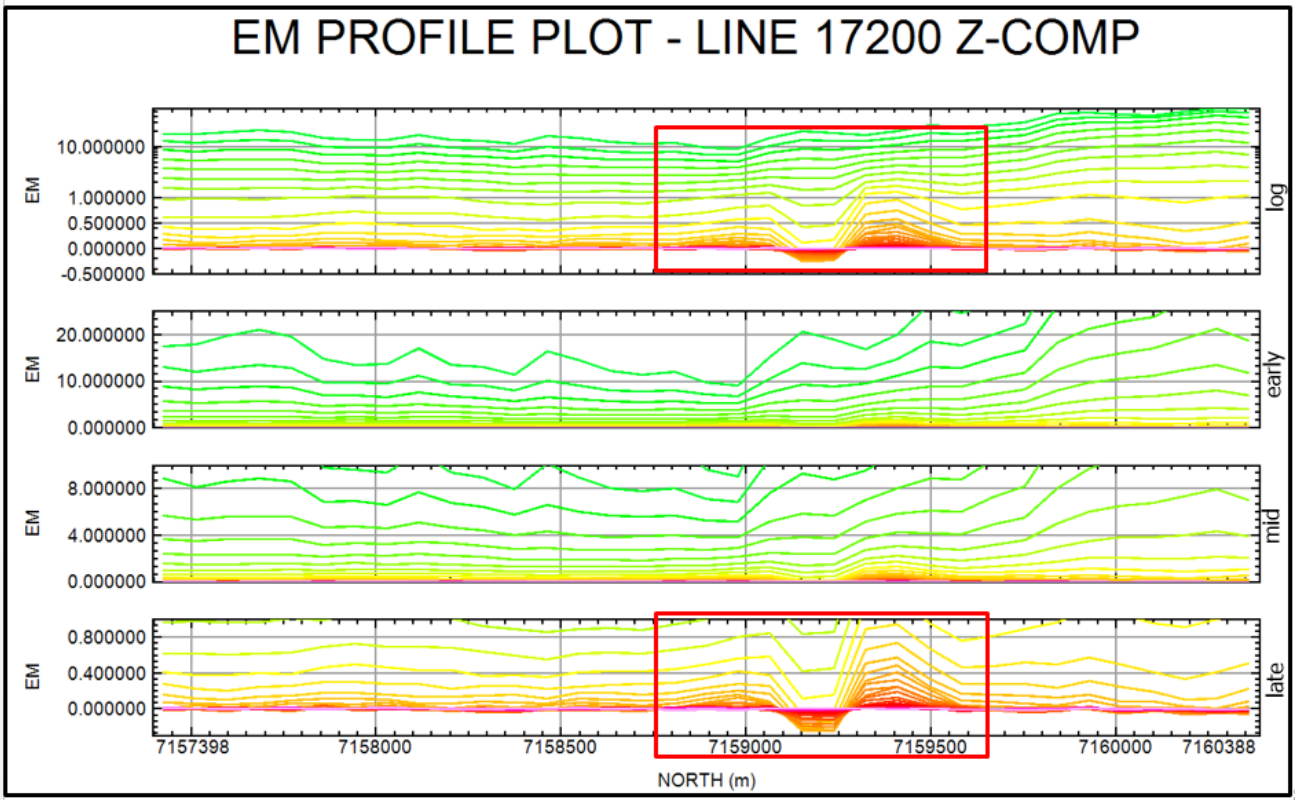

Figure 2. Vulcan West, Line 17,200E EM Profile Plot Channel 32 (101.4 msec) gridded at 100m grid cell size displaying Channels 10 – 39

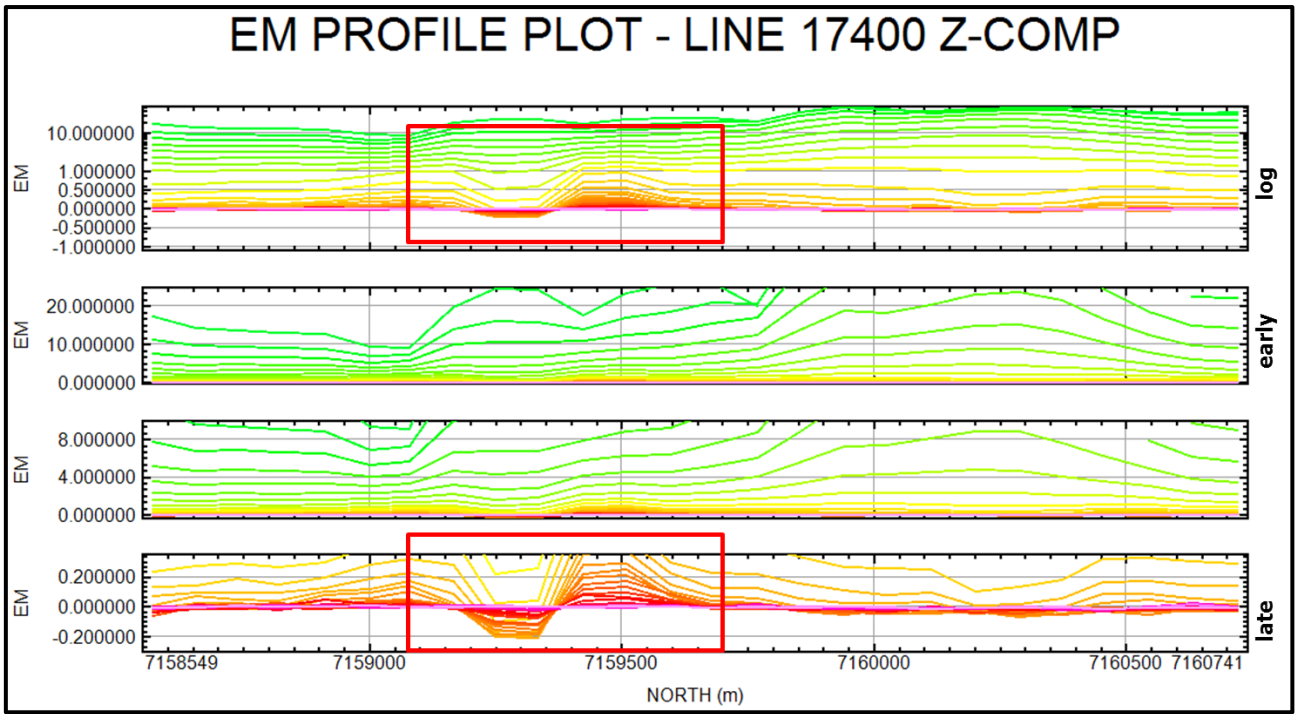

Figure 3. Vulcan West, Line 17,400E EM Profile Plot Channel 32 (101.4 msec) gridded at 100m grid cell size displaying Channels 10 - 39

Vulcan West Plate Modelling

The strike length for the modelled rotated plate (32°) is approximately 340m. The plate dips 64° towards northwest (327°) and the dip extent is approximately 300m. The depth to top of the shallowest point of the plate is approximately 135m, and the plate conductance is approximately 3030 S. The conductance of a thin plate-like conductor is proportional to the conductivity multiplied by thickness. For example at 20m thickness of 151.5 S/m, mineralisation will be equivalent to 10m of 303 S/m; both have a conductance of 3030 S. Two drill holes have been proposed to intersect the plate at 210m and 280m respectively. (Figure 4)

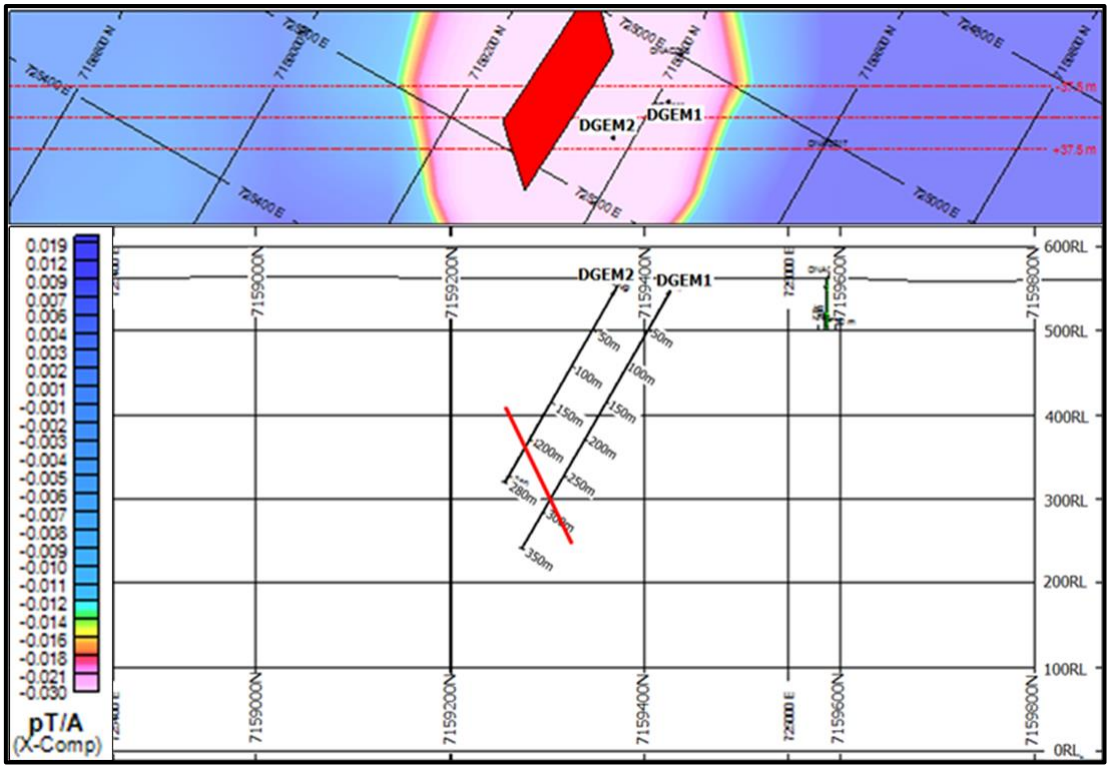

Figure 4. Vulcan West, Modelled Plate with Proposed Drill Holes

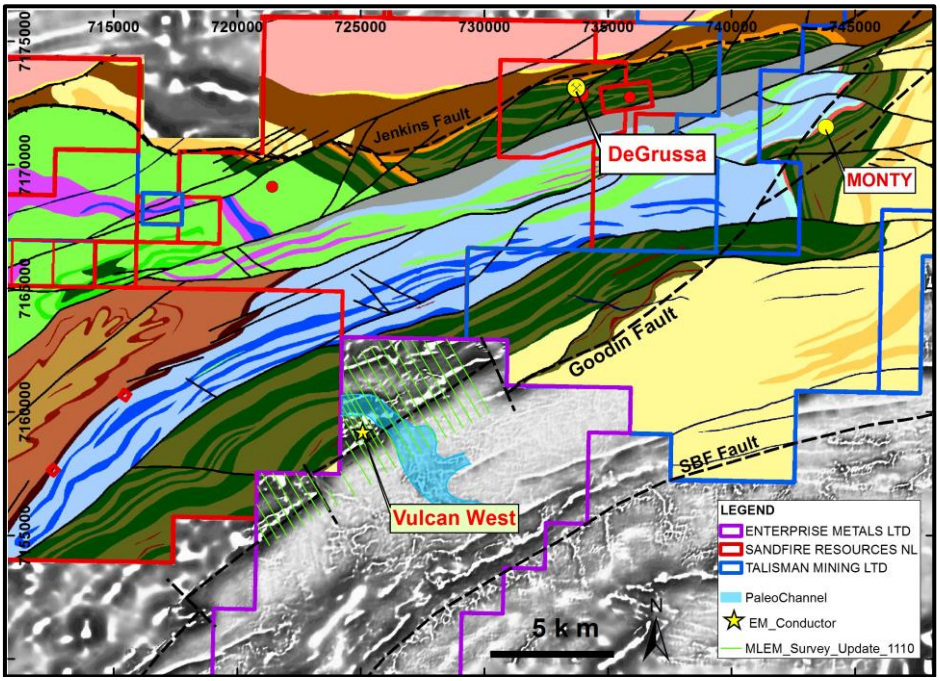

Figure 5. Vulcan West, Location Plan, with Geology Interpretation over Greyscale Magnetic Image

Note: Geology for non-Enterprise tenements sourced from Sandfire Resources NL and Talisman Mining Ltd public reports.

Vulcan EM Conductive Trend

A weak conductive EM trend extending across 6 lines (20,000E – 22,000E) has also been identified in profiles south east of the Vulcan surface geochemical anomaly. (Red dots in Figure 1) Infill EM over the Vulcan trend (and other very weak conductive responses) is not contemplated at this time as the conductivity response is poorly defined and weak (best tau response being 8.19 msec). The geochemistry of shallow aircore holes in the vicinity of these weaker EM responses is currently being re-assessed.

Ongoing quality control and modelling of data is being undertaken by the Company's geophysical consultants, Terra Resources Pty Ltd. The survey specifications are shown in Appendix 1 below.

Dermot Ryan
Managing Director

APPENDIX 1: Vulcan MLEM Survey Specifications

Loop size: Line spacing:	**200m x 200m** 400m with 200m infill lines
Station Spacing:	100m (50% overlap most moves)
Frequency:	0.5 Hz minimum
Transmitter:	VTX-100
Max Current/Voltage:	100 Amp/ 500 Volts
Receiver:	EMIT SMARTem24
Sensor:	EMIT Smart Fluxgate or Fluxgate
Line Lengths:	~4.8km
Total:	~30 lines

Competent Persons' statements

The information in this report that relates to Geophysical Exploration Results is based on information compiled by Mr Barry Bourne, who is employed as a Consultant to the Company through geophysical consultancy Terra Resources Pty Ltd. Mr Bourne is a fellow of the Australian Institute of Geoscientists and a member of the Australian Society of Exploration Geophysicists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Bourne consents to the inclusion in the report of matters based on information in the form and context in which it appears.

The information in this report that relates to non-geophysical Exploration Results is based on information compiled by Mr Dermot Ryan, who is an employee of Xserv Pty Ltd and a Director and security holder of the Company. Mr Ryan is a Fellow of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Ryan consents to the inclusion in this report of the matters based on information in the form and context in which it appears. Mr Ryan and Enterprise Metals Limited confirm that other than the Geophysical Exploration Results presented in this Report, they are not aware of any new information or data that materially affects the information included in the relevant previous Enterprise Metals Limited market announcements relating to the Vulcan Prospect.

For a summary of previous work at the Vulcan Prospect, refer Table 1 of ENT ASX release 22 October2015. See link: http://enterprisemetals.com.au/wp-content/sharelink/20151022-em-conductor-located-at-vulcan-prospect---doolgunna-wa-77588433359985422.pdf