

## **Mt Cannindah IP Data Reprocessing & 3D Geological Modelling Identifies Potential Resource Extensions**

- **New 3D Geological Model of Mt Cannindah resource completed**
- **Reprocessed historical IP Data identifies resource extensions extending down plunge to the north at approximately 10 ° for over 400m from the current drilling**

Planet Metals Limited (ASX: PMQ) advises that it has developed a new 3 D geological model of the Mt Cannindah resource within the mining lease area, and completed the reprocessing of historical IP data foreshadowed in its announcement of 21 July 2014.

The 3D geological modelling contained has refined the geological setting of known mineralisation at Mt Cannindah and the reprocessing of historical dipole-dipole Induced Polarisation (IP) data has identified a zone of high chargeability within a comparable geological setting, adjacent to and extending to the north of the current Mt Cannindah Resource

A strong spatial relationship is demonstrated between known Cu-Au mineralisation and IP chargeability and as such, the zone of high chargeability identified with in this study potentially reflects a significant un-tested resource extension to the Mt Cannindah Cu-Au porphyry style mineralisation.

The Current Mineral resource at the Mt Cannindah Cu-Au porphyry deposit consists of;

<b>Measured Resources</b>	<b>1.9Mt @ 0.96% Cu, 0.39g/t Au and 16.2g/t Ag</b>
<b>Indicated Resources</b>	<b>2.5Mt @ 0.86% Cu, 0.34g/t Au and 14.5g/t Ag</b>
<b>Inferred Resources</b>	<b>1.1Mt @ 0.97% Cu, 0.27g/t Au and 13.6g/t Ag</b>
<b>Total</b>	<b>5.5Mt @ 0.92% Cu, 0.34g/t Au and 14.9g/t Ag</b>

(JORC 2004 - Hellman & Schofield, report to Drummond Gold, October 2011)

Cu-Au mineralisation at the Mt Cannindah deposit is hosted within brecciated marine sediments adjacent to a large porphyry stock, termed the Cannindah Diorite. The location and geological setting of the Mt Cannindah deposit is illustrated in Figure 2. A typical example of mineralised breccia is presented in Figure 1.

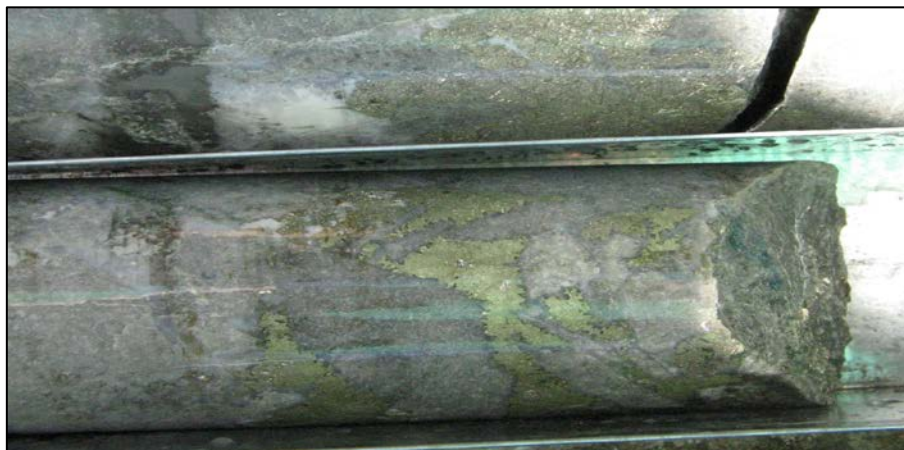


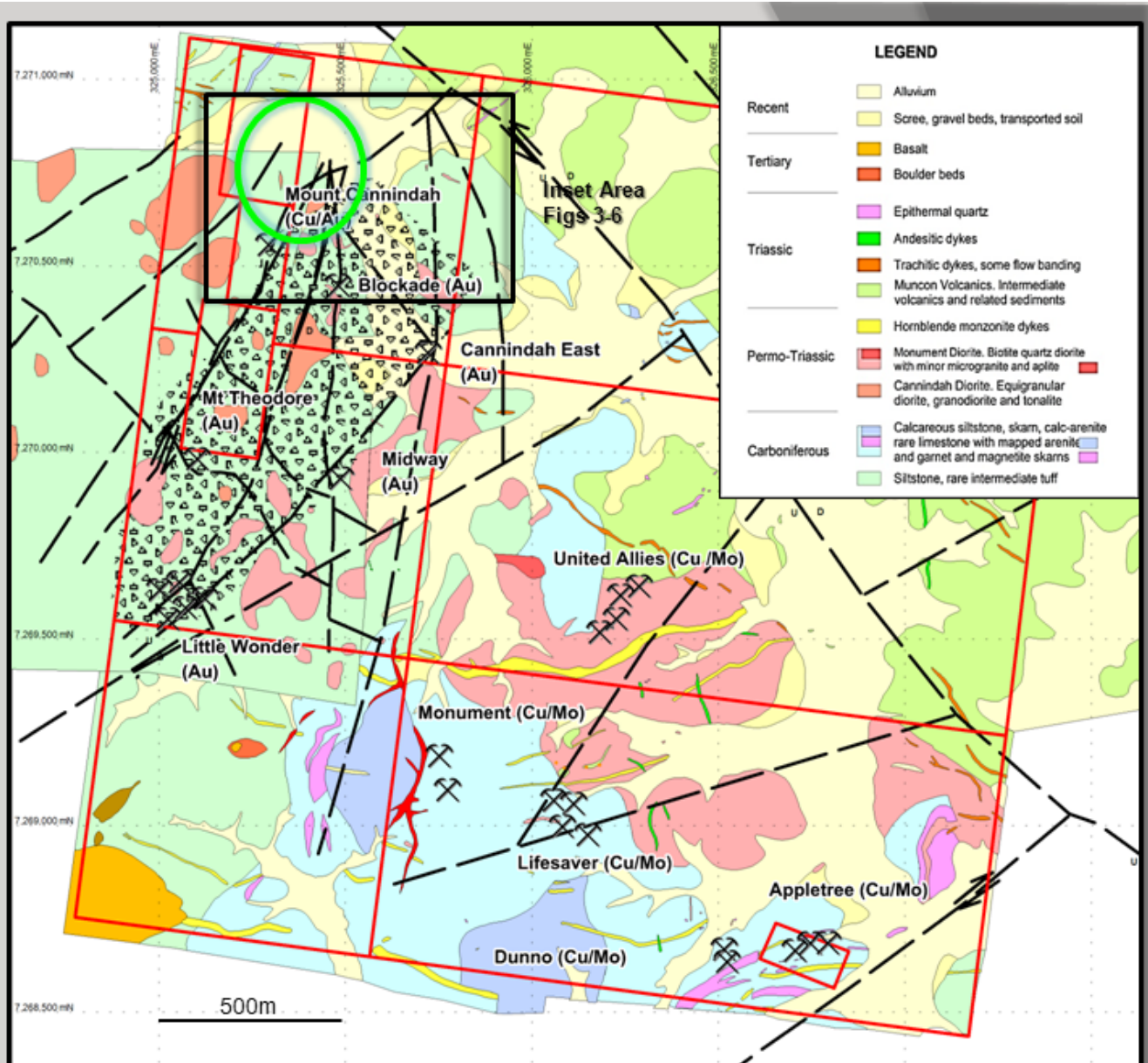
Figure 1. Typical Mt Cannindah mineralisation consisting of chalcopyrite-pyrite breccia infill

A recent review of historical geophysical IP data identified 3 new high priority targets displaying geophysical and geochemical signatures within a geological setting that is consistent with lode style gold mineralisation and one target consistent with a northerly extension to the Mt Cannindah Cu-Au Resource. (See ASX announcement, dated 21<sup>st</sup> of July 2014)

The current study was designed to further investigate the IP target adjacent and to the north of the Mt Cannindah Cu-Au resource and determine the geological setting of the anomaly. The study consisted of;

- 3D geological modelling of the Cannindah Diorite;
- Reprocessing and terrain correcting of historical dipole-dipole IP Data;
- 3D modelling , visualisation and interrogation of the reprocessed IP data (see Figures 3 to 8 below).

Encouragingly, the study determined that a strong spatial association is demonstrated between chargeability and known mineralisation. The study determined that the maximum depth penetration of the IP survey was approximately 220m below surface. The study confirmed the high chargeability response of the anomaly north of Mt Cannindah with chargeability responses of up to 258mv/v. This chargeability anomaly encompasses the current Mt Cannindah Cu-Au Resource extending down plunge to the north at approximately 10° for over 400m from the current drilling. The zone of high chargeability is shown to be increasing and open at depth below 220m.





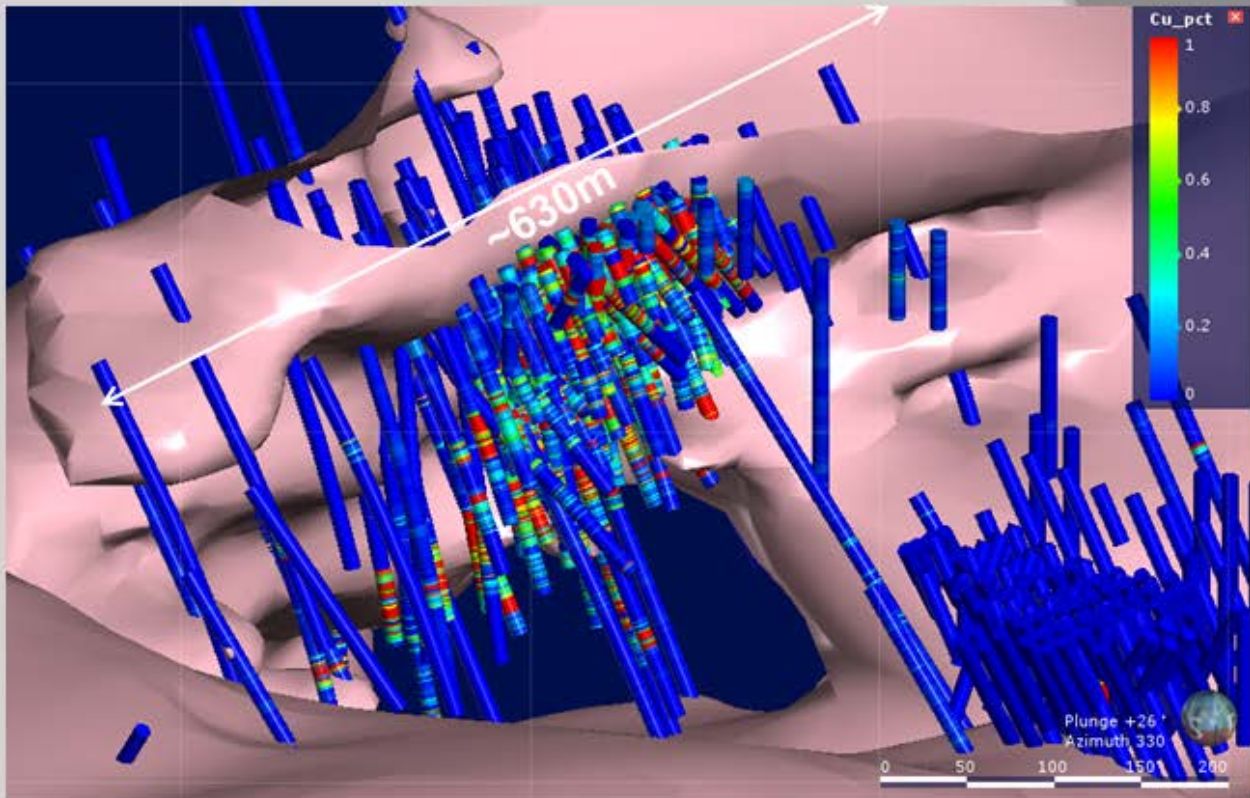


Figure 3. Schematic Geology. Oblique View – Looking NW illustrating complex morphology of the Cannindah Diorite (pink) Cu-Au mineralisation developed adjacent to the eastern margin of the intrusive.

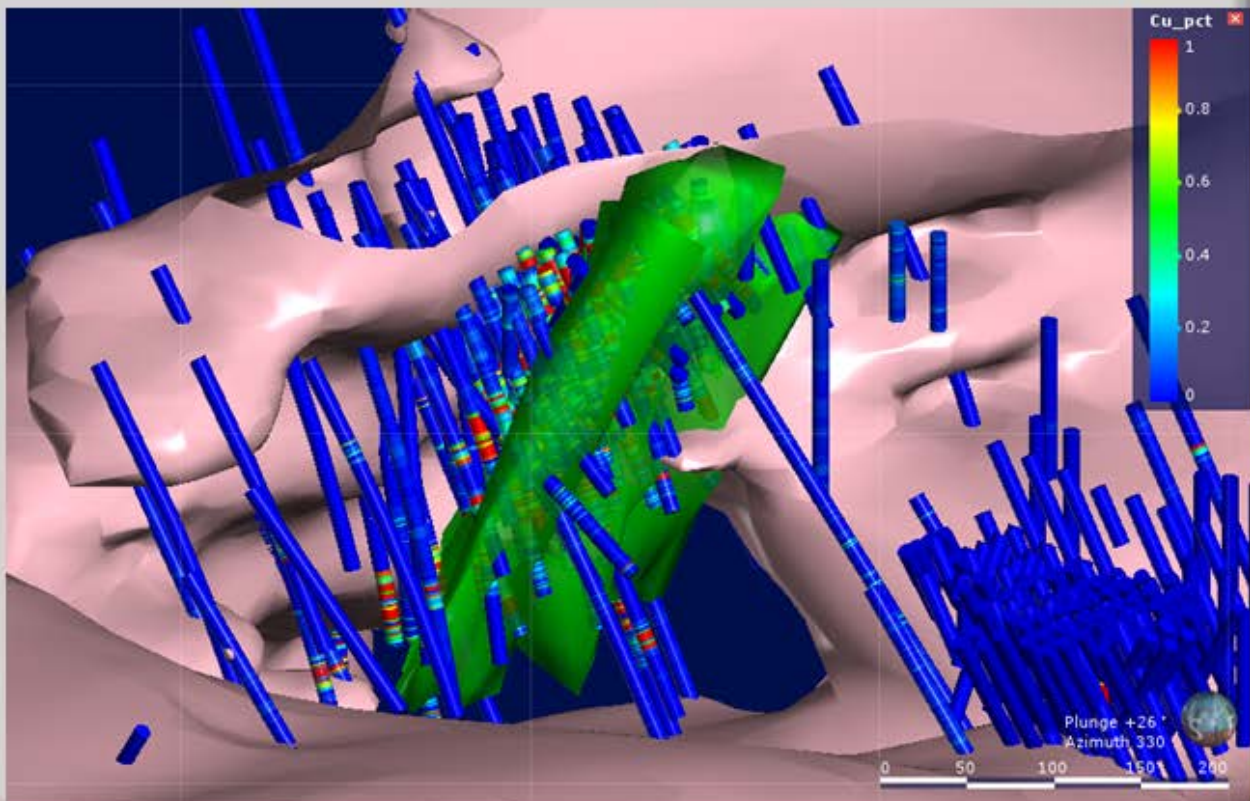


Figure 4. Schematic Geology. Oblique View – Looking NW illustrating the approximate boundaries of the current Mt Cannindah Mineral Resource (green).



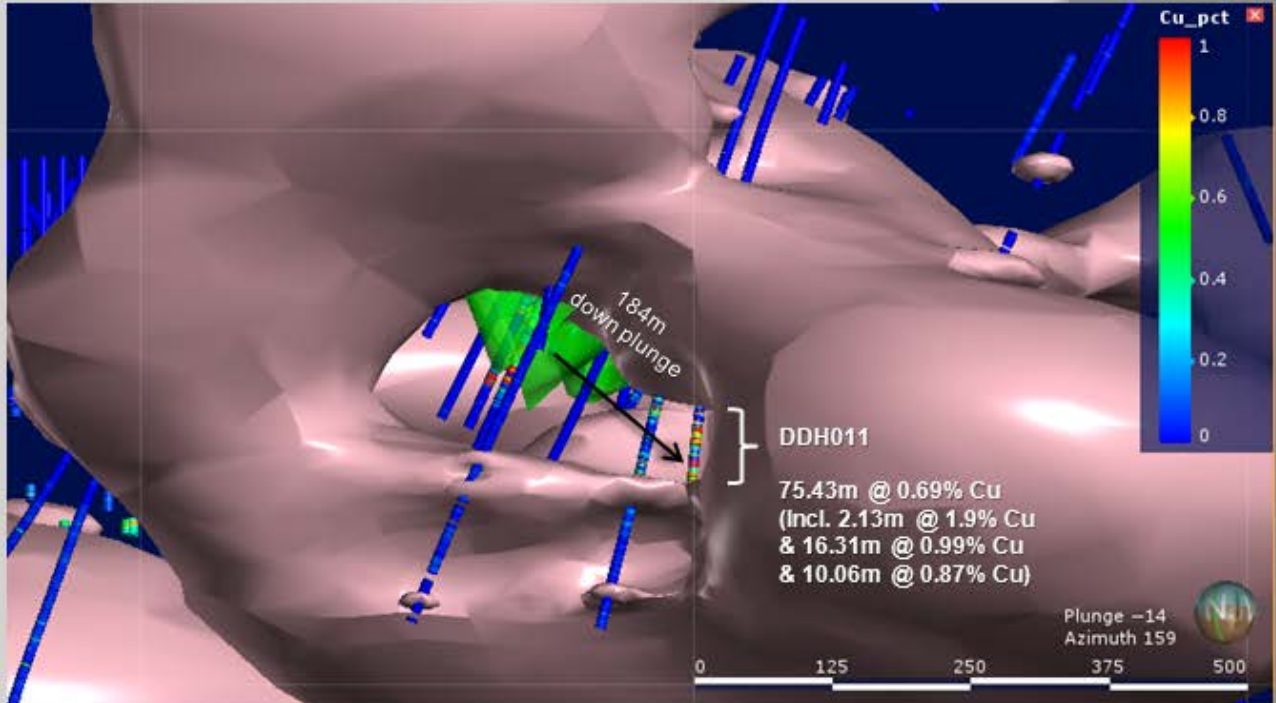


Figure 5. Oblique View – Looking SE illustrating the continuation of both mineralisation & a favourable geological setting within a window of sediments adjacent to the Cannindah diorite a further 184m down plunge from the current mineral resource boundary

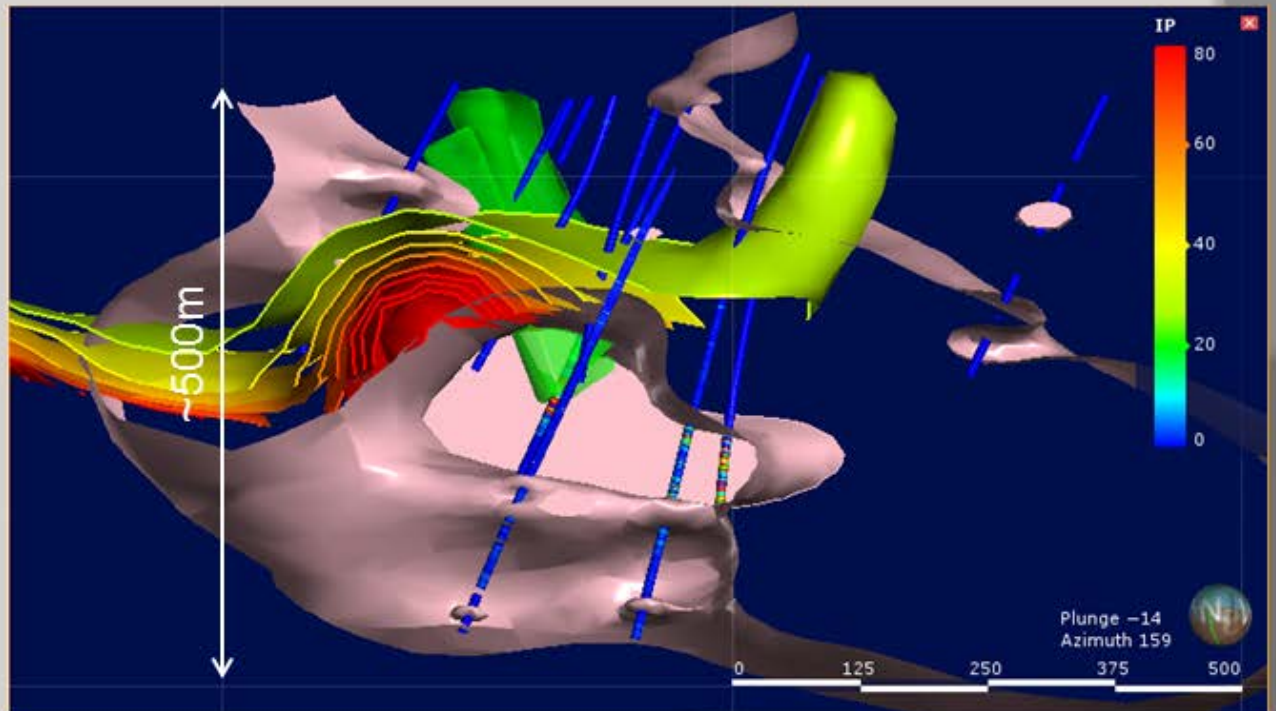


Figure 6. Same view as Fig 5. with a 150m thick slice illustrating zone of high chargeability (yellow-red) spatially associated with a window of sediments adjacent to the Cannindah. (IP modelling depth limit 220m)

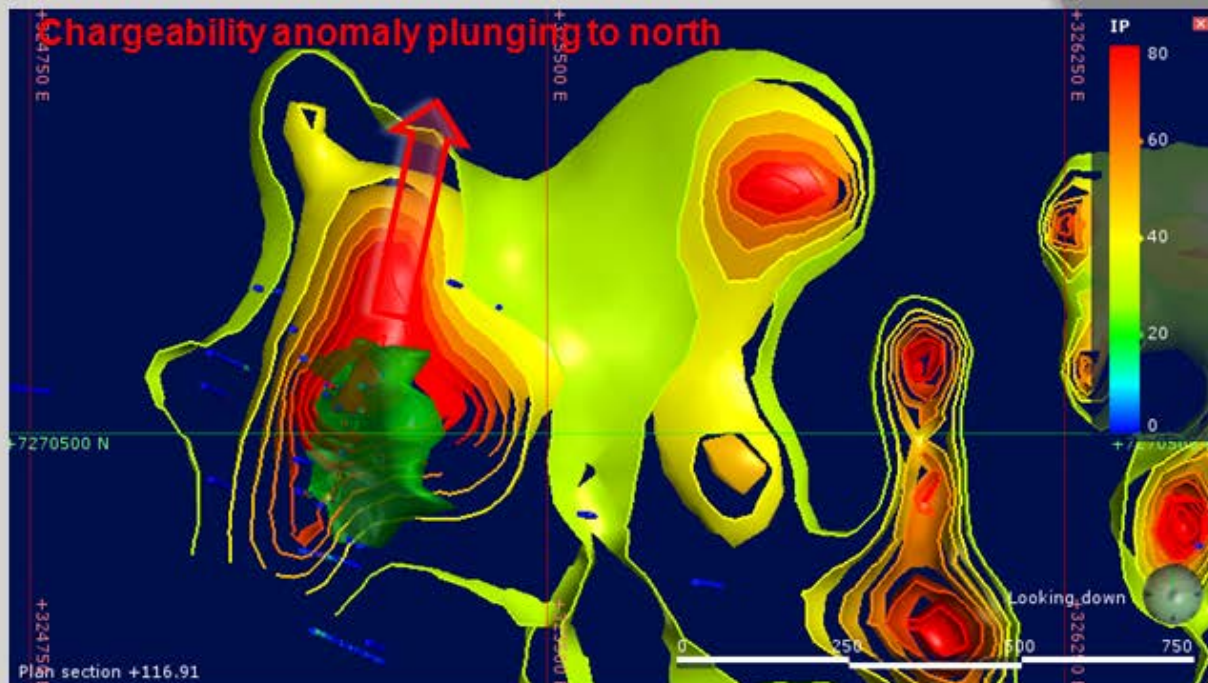


Figure 7. Plan View – Elevation slice 120mRL illustrating zone of high chargeability (yellow-red) adjacent to and to the north of the current Mt Cannindah Cu-Au Resource (green)

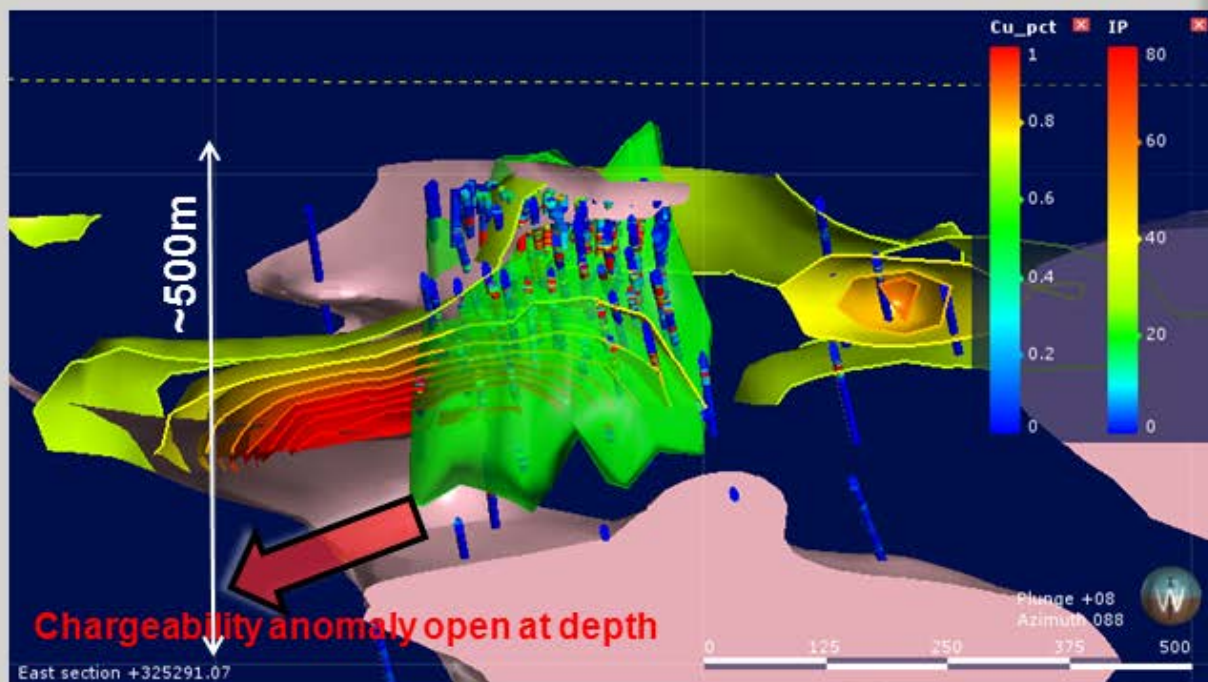


Figure 8. Long Section - 325290E, looking east – Illustrating zone of high chargeability (yellow-red) adjacent to and to the north of the current Mt Cannindah Cu-Au Resource (green)



The 3D geological modelling has determined that the chargeability anomaly is likely situated within brecciated marine sediments adjacent to the Cannindah Diorite, as per the known mineralisation at Mt Cannindah, providing further confidence in the potential of the anomaly to represent a significant resource extension.

This recent work has outlined possible extensions of the known resource. Planet intends to continue its prudent exploration program on this flagship asset in the near term to further investigate these and other targets which have now been identified across the project area.

For further information, please contact:

**Tom Pickett**

**Executive Chairman**

**Ph: 07 3357 3988**

#### **COMPETENT PERSON STATEMENT**

*The information in this report that relates to the interpretation and modelling of historical exploration results is based on information compiled by Dr. Simon D. Beams, a full time employee of Terra Search Pty Ltd, geological consultants employed by Planet Metals Limited to carry out geological evaluation of the mineralisation potential of their Mt Cannindah Project, Queensland, Australia.*

*Dr. Beams has BSc Honours and PhD degrees in geology; he is a Member of the Australasian Institute of Mining and Metallurgy (Member #107121) and a Member of the Australian Institute of Geoscientists (Member # 2689). Dr. Beams has sufficient relevant experience in respect to the style of mineralization, the type of deposit under consideration and the activity being undertaken to qualify as a Competent Person within the definition of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ("JORC Code).*

*Dr. Beams consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.*

#### **COMPLIANCE STATEMENT**

*Information in this report relating to the Mineral Resource at Mt Cannindah was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.*