

Harry Mees

From: Russell Mortimer <Russell@sgc.com.au>
Sent: Thursday, 25 October 2012 2:56 PM
To: Costica Vieru
Cc: Harry Mees; Philip Mill
Subject: GMAG/AMAG Modelling Efforts/Results for Various Allamber Targets
Attachments: THX_GMAG_STHBLOCK_TARGANOMS1012.png; THX_ALLAMBER_GMAG-AMAGmodelresults1012.zip; THX_AMAG-GMAG_STH-NTHBLOCK_TARGANOMS1012.png

Hi Costica, we have completed the GMAG/AMAG modelling efforts for the 9 targets we discussed during the recent meeting (1, 2, 3, 4, 5A, 5B, 6, 7 and 8).

Modelling has been completed as best as possible given the data at hand and keeping in mind a reasonable timeframe for the efforts. In other words more refinements could be completed but the changes/alteration to the current model would be only marginal and not worth the additional time/cost we believe. GMAG and/or AMAG data was utilised depending on which was best suited for the modelling process. The majority of the magnetic bodies were very shallow at certainly <50m, exceptions being Target 2 and Target 6. Where the magnetic sources were shallow / near outcropping the modelling was quite complex and we also have noted significant remanence locally and for this reason have utilised the analytic signal measure as our main guide to the magnetic source best fit / source location.

Attached are all model results in summarised PDF format, mapinfo 2D format and also 3D DXF format, note that for the 3D bodies those modelled with GMAG would have a 0 surface RL reference and those using AMAG will have a surface reference based on the AMAG survey levels. I have also attached the images highlighting the target locations/naming.

Target Magnetic Model Summary

Target 1 – Localised shallow moderate-strongly magnetic body – mag susc in range of pyrrhotite rich body.

Target 2 – Deeper moderate-strongly magnetic body, potentially a downplunge extension of Target 1? – similar mag susc.

Target 3 - Localised shallow moderate-strongly magnetic body – mag susc in range of pyrrhotite rich body appears very similar to Target 1.

Target 4 - Localised shallow weakly magnetic body, low mag susc and limited sized source – appears somewhat different to Target 1.

Target 5A - Near surface / subcropping moderate-strongly magnetic body of reasonable size, complex/multiple sources.

Target 5B - Localised shallow moderate-strongly magnetic body – mag susc in range of pyrrhotite rich body.

Target 6 - Nth Brumby - reasonably shallow ~50-100m depth to top, strongly magnetic body (~0.5-1SI units), steep NE dip – likely indicating presence of significant magnetite.

Target 7 - Nipper - reasonably shallow <50m depth to top, moderate-strongly magnetic body (~0.15-0.2SI units), steep NE dip – likely indicating presence of magnetite and/or pyrrhotite.

Target 8 - Eel - reasonably shallow <50m depth to top, moderate-strongly magnetic body (~0.3SI units), steep dip/geometry – likely indicating presence of magnetite and/or pyrrhotite.

Let me know if you have any queries or if you would like any suitable drillholes designed to test some of these targets?

Cheers

Russell.

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