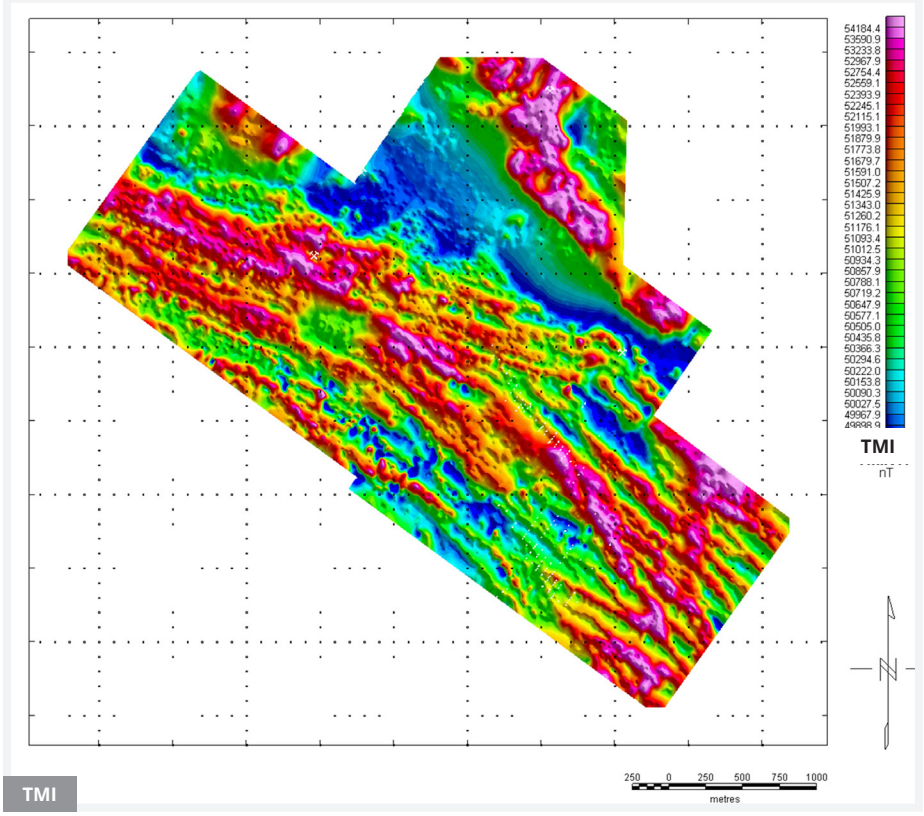
SAM Applications — Copper Exploration

Rocklands Deposit, North West Qld (Mt Isa Block)

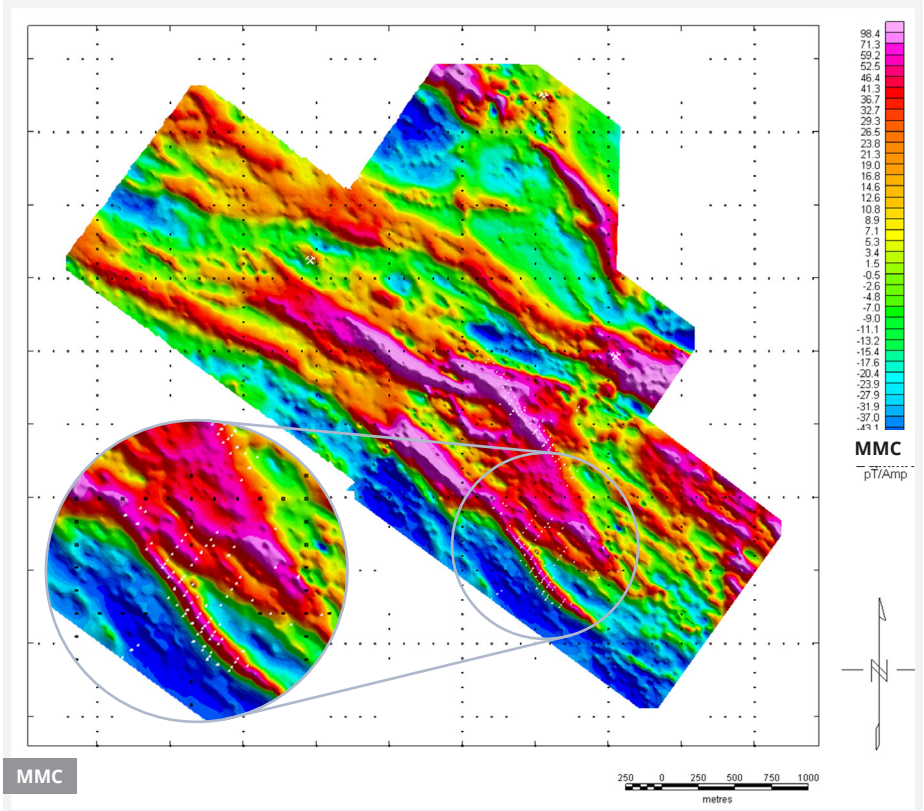
- A SAM survey was carried out in an area with known copper oxide/ sulfide mineralisation which was suspected to be structurally controlled.
- Holes drilled previous to the SAM survey are shown as white diamonds and give an indication as to known mineralised targets.
- Conductivity (MMC) results from the SAM survey correlated very well with mineralised intercepts in drill holes and have given CuDECO Ltd a new perspective on why some holes returned disappointing results.
- The combination of the detailed ground magnetics and conductivity has proven very useful in targeting new drill holes.

"...Sub Audio Magnetics (SAM) has been an invaluable exploration tool with an amazing success rate for identifying mineralisation ... particularly when incorporated with surface geochemical analysis."

Source: CuDECO ASX Media Release 6 November 2012
** Images Courtesy of CuDECO Ltd.*



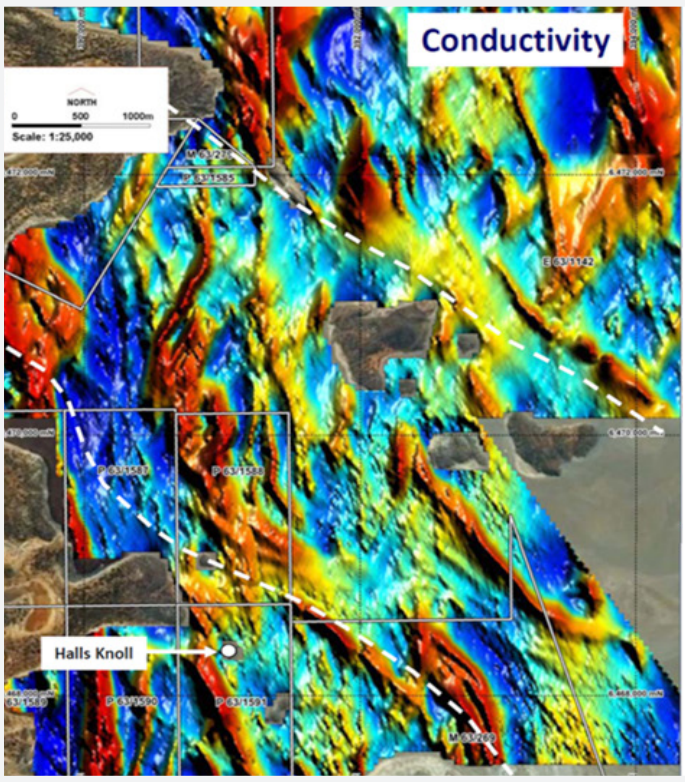
TMI

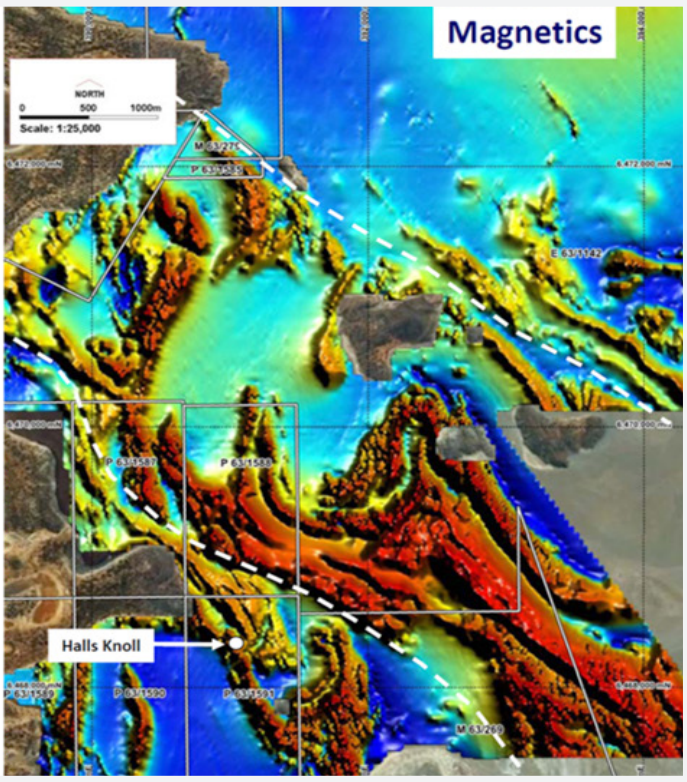


MMC

SAM Applications—Salt Lake Exploration

- Sub-Audio Magnetics (SAM) is a “high definition” technique developed to simultaneously measure both magnetic and electrical properties of the earth.
- SAM is ideal for seeing through flat lying conductive surface layers such as salt lakes, which can limit other forms of electrical geophysics.
- The parameters are recorded continuously along survey lines using a towed sled. They provide highly detailed information for geological interpretation and modeling.
- SAM is a perfect tool for mapping geological structures and lithological boundaries.





Source: Presentation by Mark Bennett (Sirius Resources NL) at the Sydney Resources Roundup, 12 May 2010