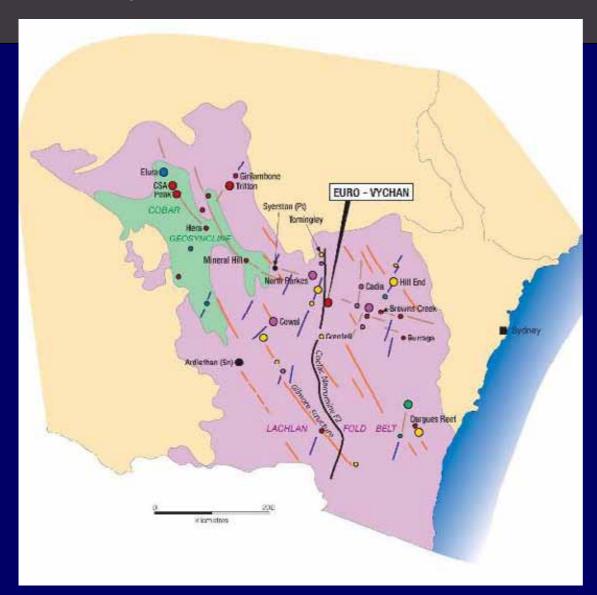
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Lachlan Fold Belt Eurow-Vychan historical Cu mine location

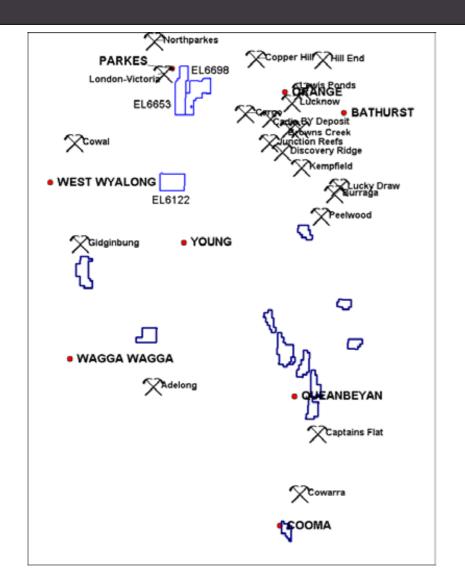


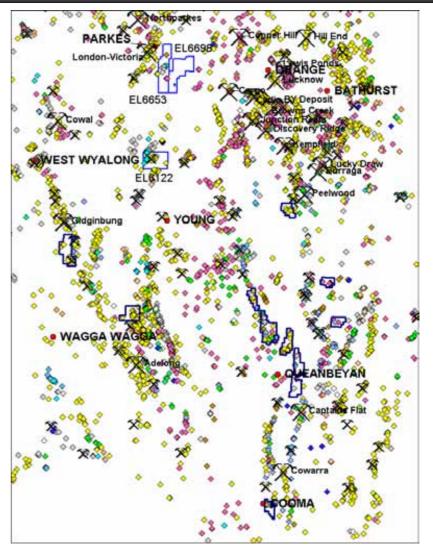


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NSW ELs and ELAs and NSW DPI data - mines, deposits and mineral occurrences



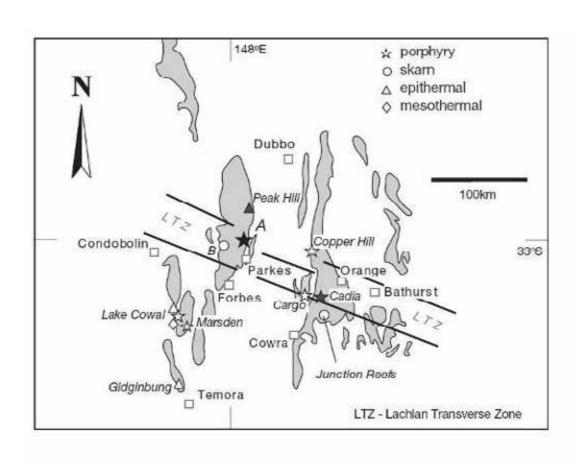




LACHLAN TRANSVERSE ZONE

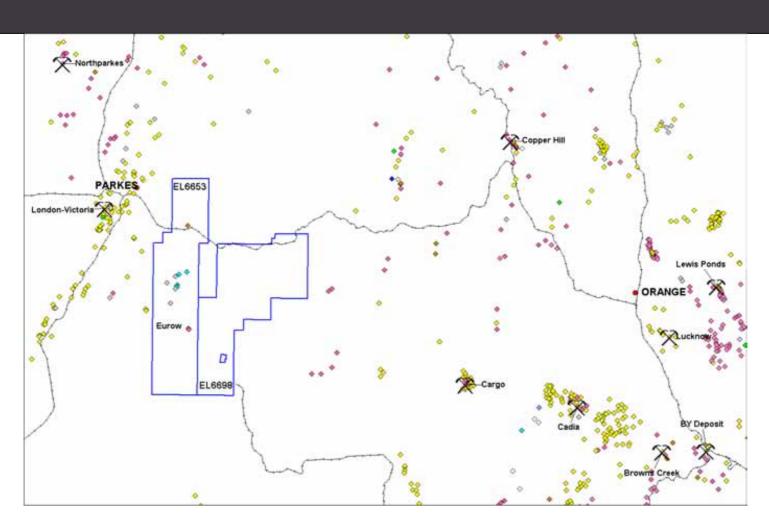
(Lickfold et al, 2003)





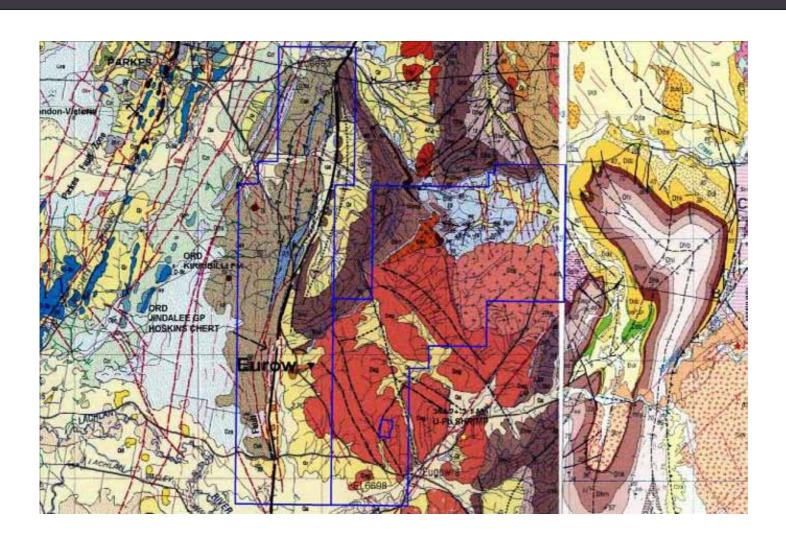
Orange-Parkes area metallogeny





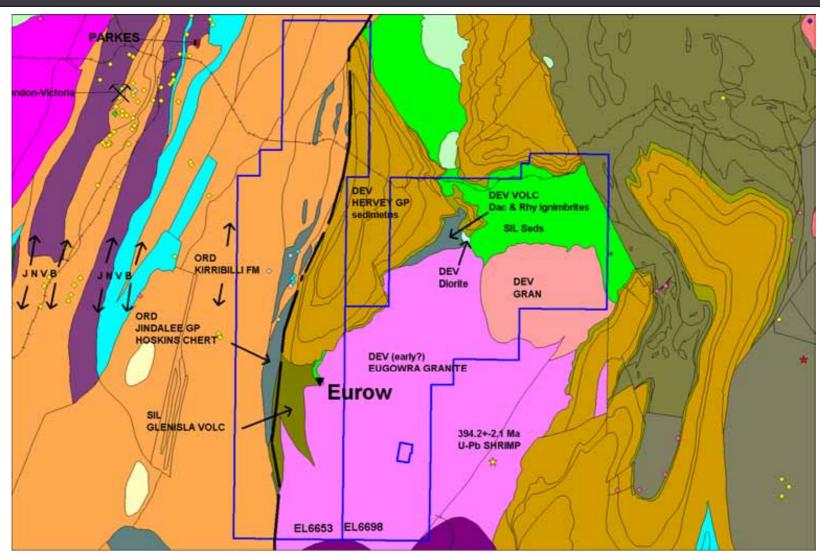
1:250,000 GEOLOGY

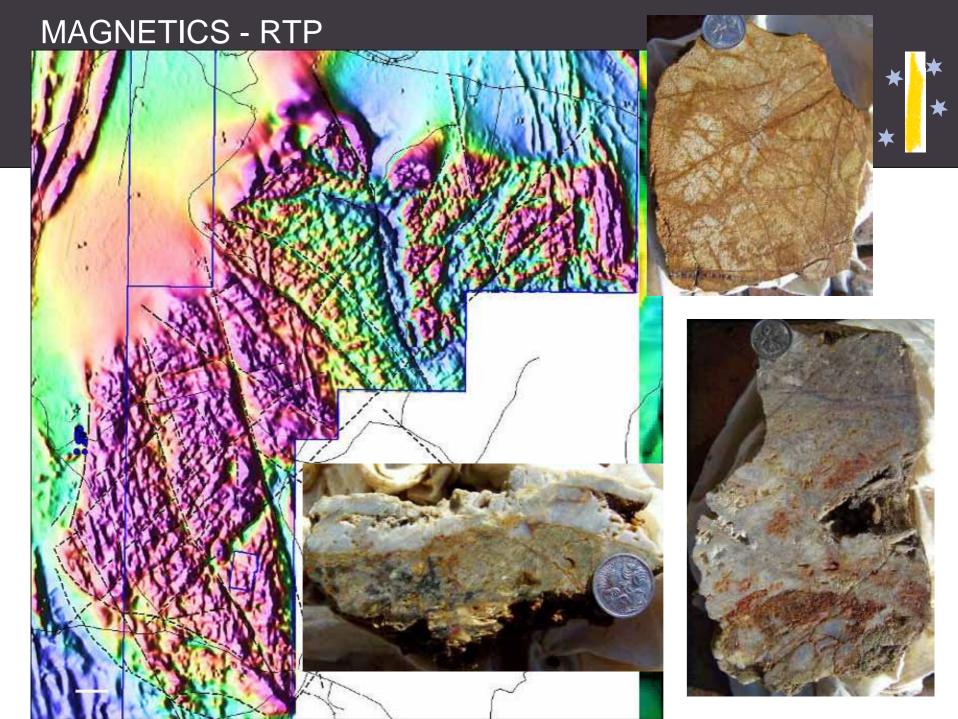




NSW DPI digital geology

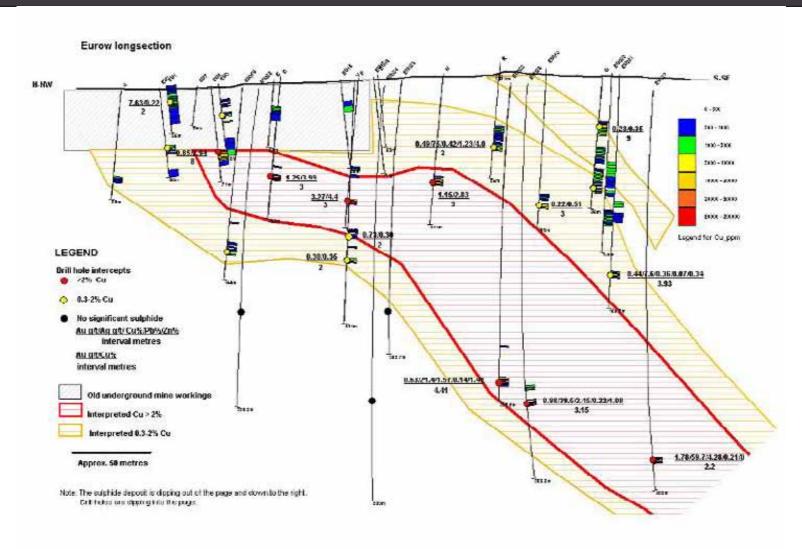






Eurow long section





High grade sulphide zone metal composition

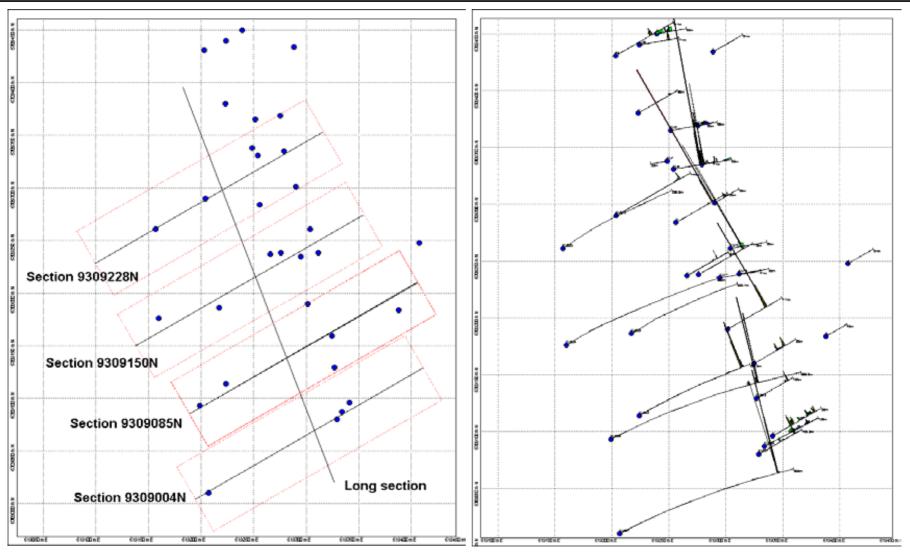


- Dominant pyrite and pyrrhotite
- Up to several percent chalcopyrite
- Minor sphalerite (but with zone of several percent Zn over 100 m strike length)
- Very minor galena
- Gold generally 1-2 g/t
- Silver variable up to 80 g/t
- Associated trace As, Bi, Co, Cd, Mo, Sb

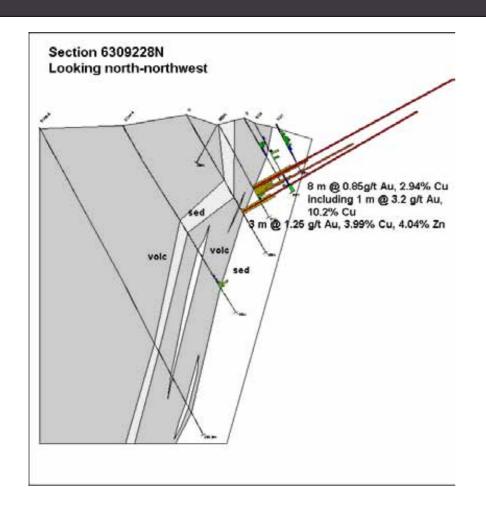
- EUROW DRILL HOLE PLAN WITH SECTION ENVELOPES

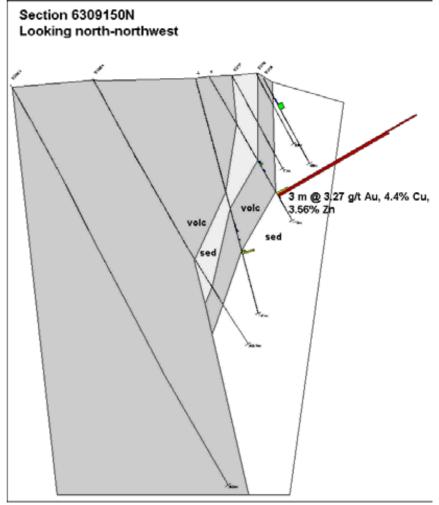




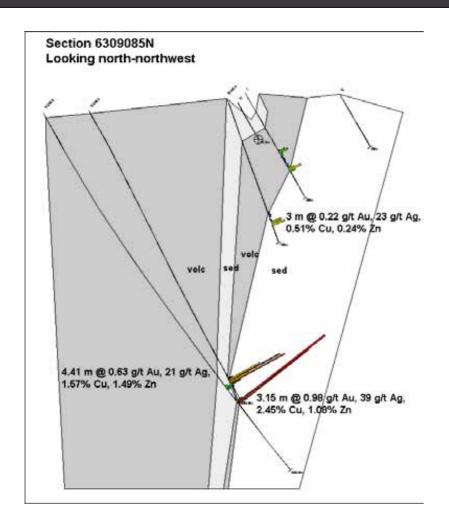


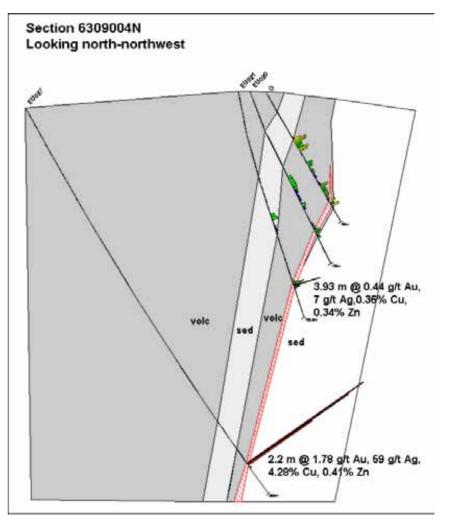












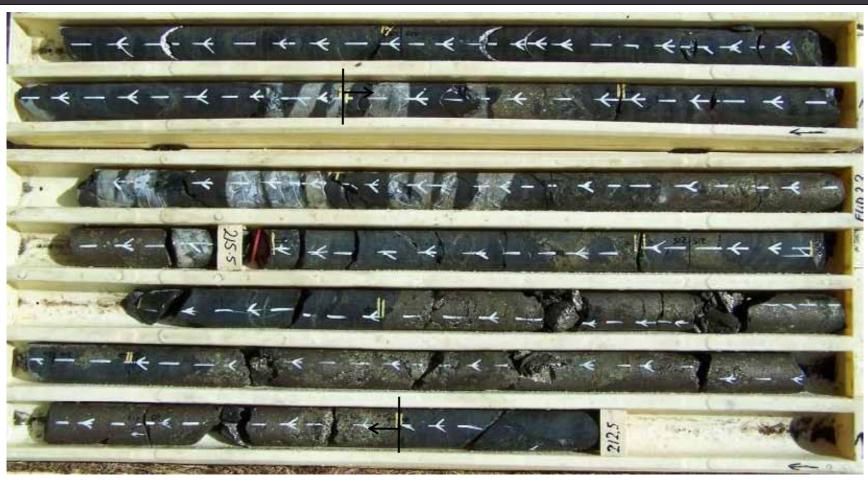
Gossan subcrop on strike south of old mines





EU022 4.41 m @ 0.63 g/t Au, 2 g/t Ag, 1.57% Cu, 1.49% Zn





EU026 SULPHIDE ZONE 3.15 m @ 0.98 g/t Au, 39 g/t Ag, 2.45% Cu, 1.08 % Zn





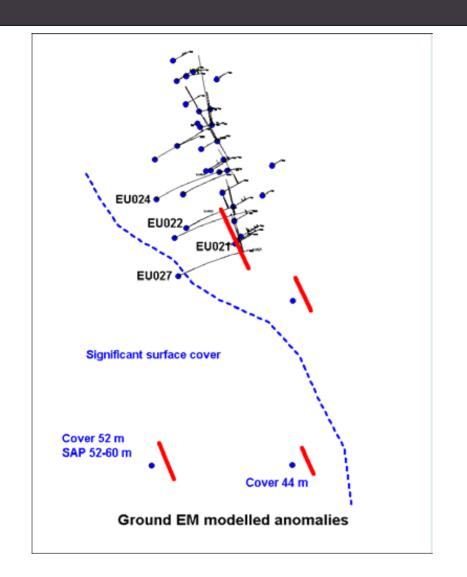
EU027 2.2 m @ 1.78 g/t Au, 59 g/t Ag, 4.28% Cu, 0.41% Zn

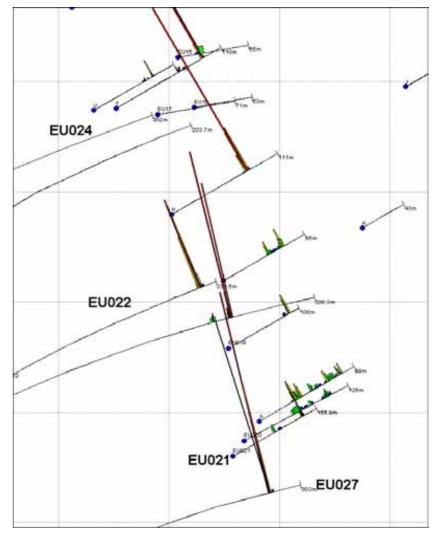




Ground EM and DHEM Ground EM model biased towards NW trending SW dipping plates

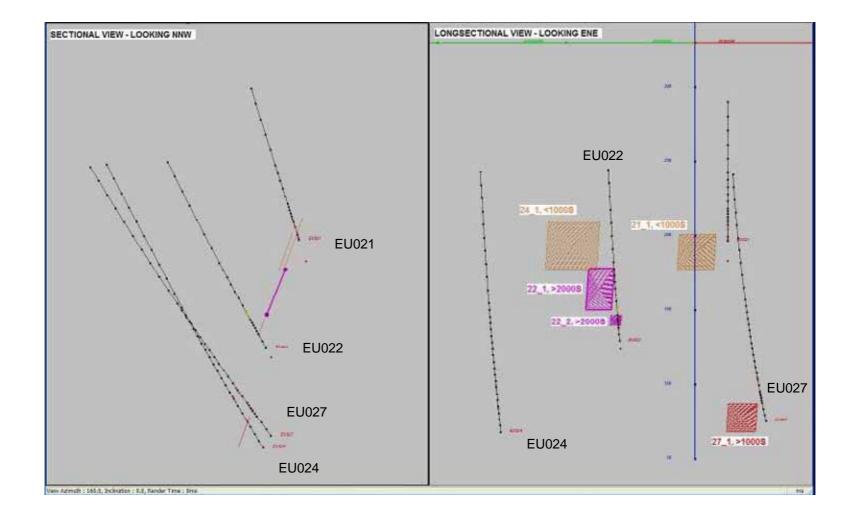






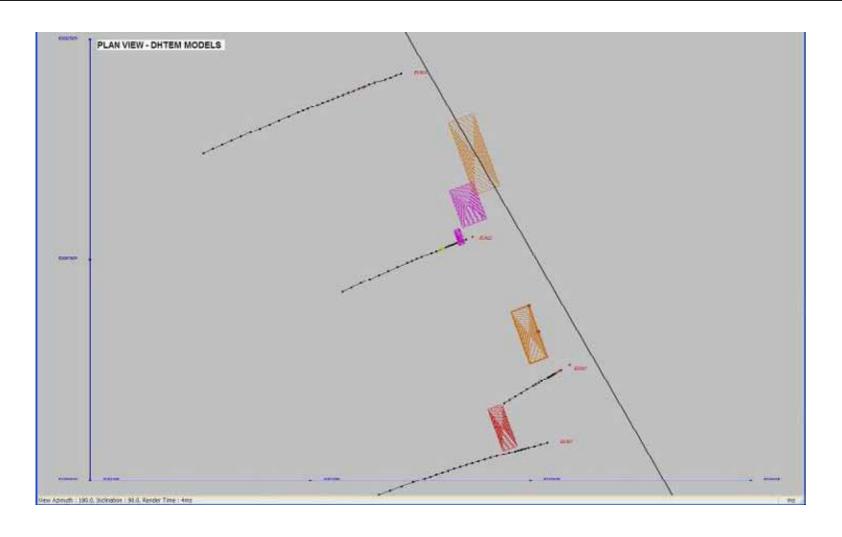
DHTEM – despite obvious in-hole conductors only off-hole conductors picked up Conclusion – survey results highlight thicker sulphide





DHTEM – plan view







- Possible models for further exploration inlcude:
 - VMS seafloor deposition and related subseafloor replacement and infill
 - Stratabound replacement and vein/breccia infill at depth related to intrusion
 - Combination of replacement and vein styles

Pink sphalerite as groundmass in coarse grained volcaniclastic with abundant quartz eyes.



Bottom 215.06 half NQ core

EU022



Detail of interpreted mass flow sulphide breccia overlying silica layer. Distance between drill intersections is 80 m.



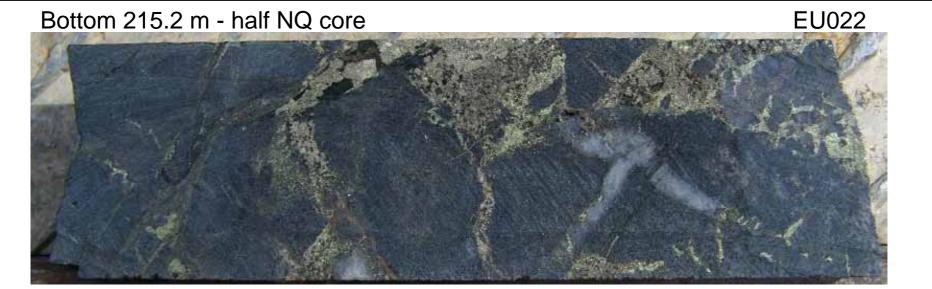
Bottom 216.0 m – half NQ core



Bottom 278.0 m - NQ core EU027



Minor brecciation with silica infill and later brecciation with sulphide infill.



Banding in massive sulphide

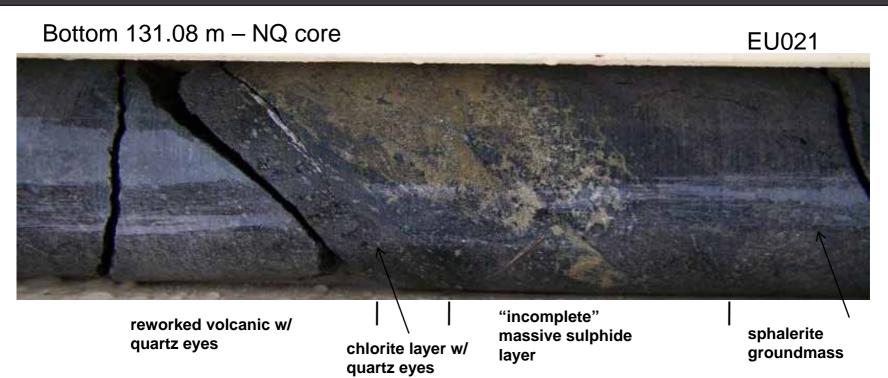


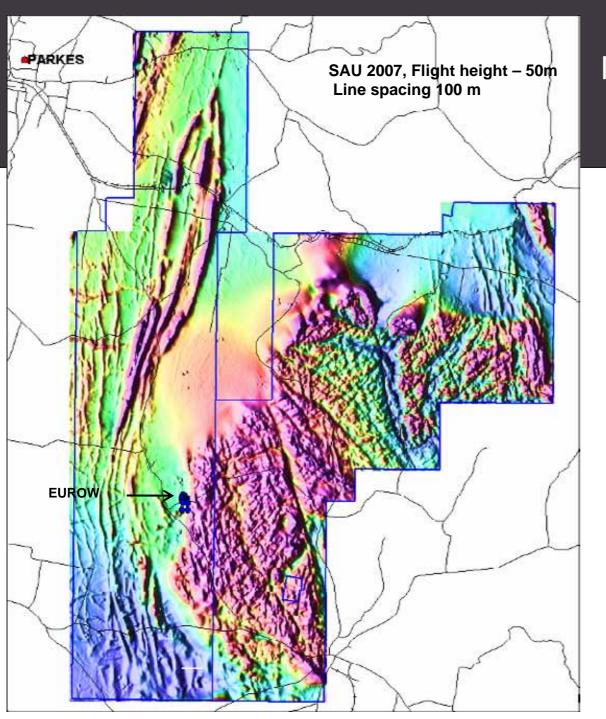




Margin of sulphide zone



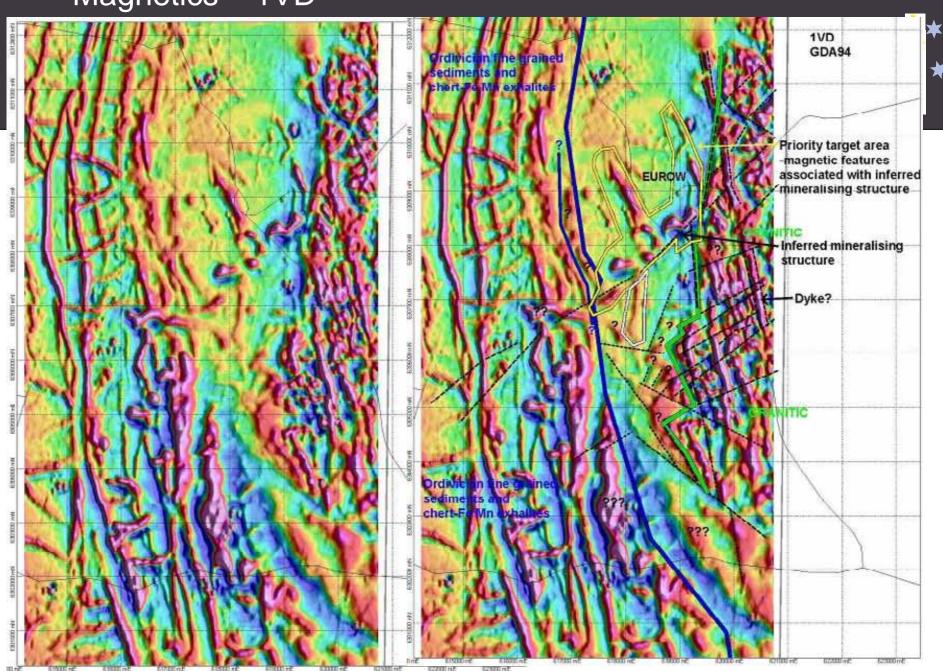




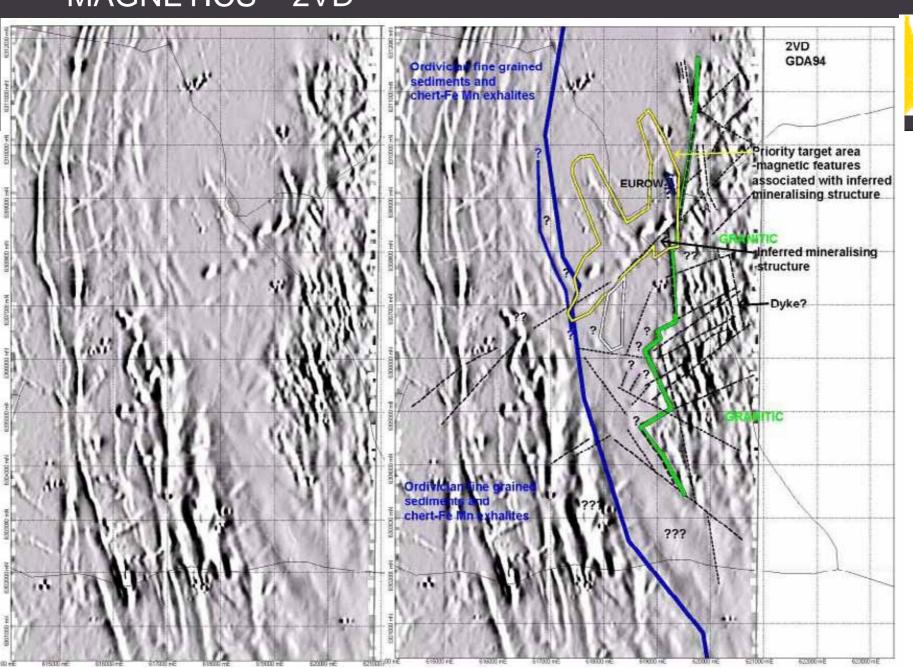
MAGNETICS - RTP_★

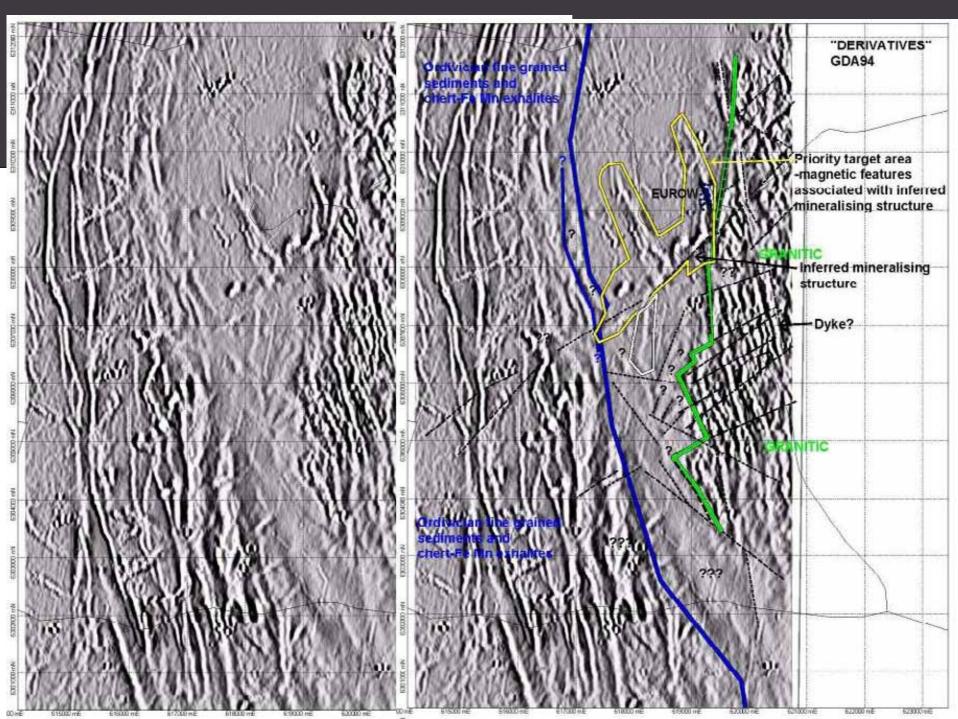


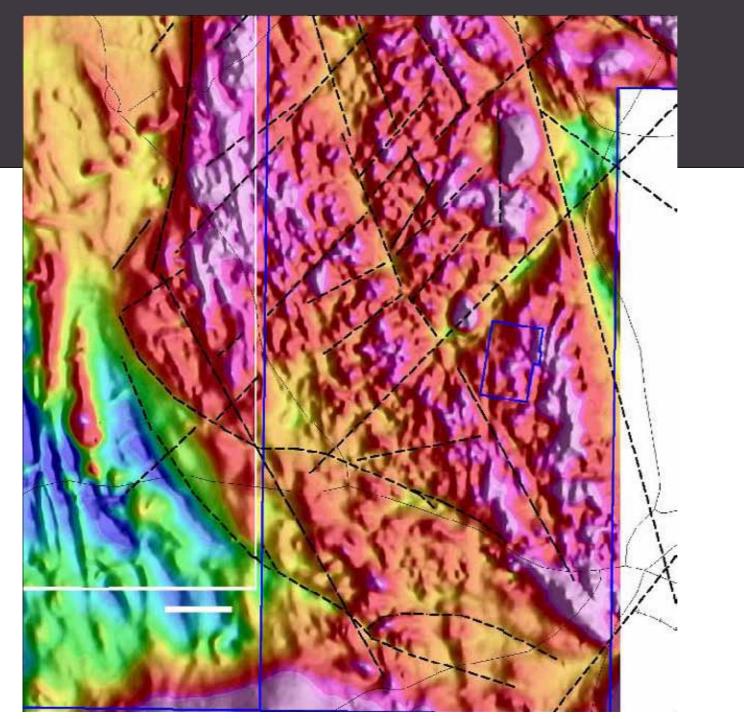
Magnetics – 1VD



MAGNETICS - 2VD





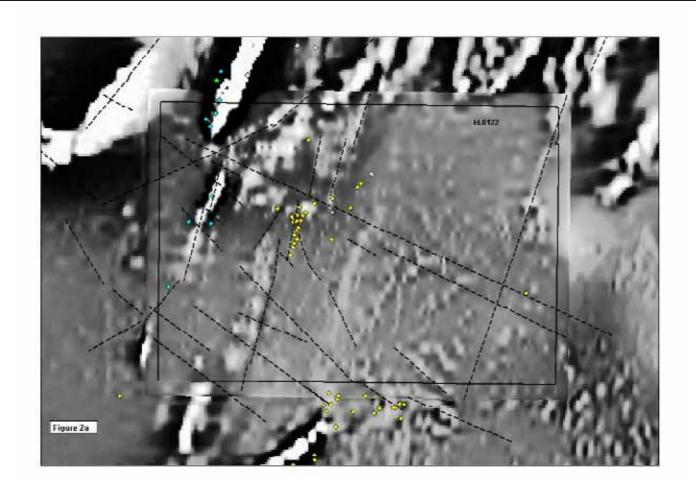


TMI



Southern Gold Limited EL6122 Grenfell





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