

An updated 1:5,000 scale factual geology map over the Mt. Jacob grid was completed in conjunction with the follow-up sampling field activities, and is presented in Plan 3. The ensuing interpreted geology map for the whole area is shown in Plan 4.

6.2 Geophysics

The last Annual Report (Castro, 1991) stated that a new, extensive T.E.M. survey was deemed necessary to fully appraise the Mt. Jacob sector potential for VMS deposits. A main consideration to recommend this alternative was the fact that an original TEM survey carried out by Comalco in 1983/84 was confined to the NW part of the current grid, and therefore did not test the entire area for conductive orebodies.

The new programme by RGCE proposed a SIROTEM survey, and was designed so as to maximise electromagnetic coupling with potential conductors dipping S. The optimum location of three transmitter loops of 600m x 300m for the above purpose was planned Sth of the grid base line (40900mN AMG), and are described in full detail in Appendix 2. See Plan 1 for reference.

The results of this survey were entirely discouraging, as detailed in the report by R. Deakin in Appendix 2, and evident in the data plots reproduced in the same report. Consequently, no further work with this data was considered necessary.