

6.4 Investigations Completed

6.4.1 Gridding

Minor extensions were made to the previously established Comalco grid in the north east of the area. This was to cover the full extent of the major limestone-filled syncline, and also to cover possible extensions of magnetic skarn beneath Hugo's Fault. A total of approximately 7550 m was cut and pegged as additions (Refer plan D/MZ 01/062).

Two, three kilometre lines were cut at 41° (Mag.) across the central part of the syncline. Line 1 had as an origin at 1000 N at hole SMD 9 and Line 2 has as an origin at 1000 N at hole SMD 14. Work undertaken on these two lines is reported separately in Section 6.4.6 as Trial Line Geophysics.

6.4.2 Ground Magnetics

Ground magnetic surveys were redone over most of the eastern half of the grid, which includes the major skarn areas. An automatic base station magnetometer was used as a control. No significant changes were made to the magnetic contour plans produced by Comalco.

Readings were taken at 25 m intervals except in areas of high gradient, where spacings were cut down to better define contour intervals. Data is recorded on data sheets for computer processing and on plan D/MZ 01/110.

Ground magnetic surveys were done over extensions to the grid to the north and east of the mine area. No areas of anomalous magnetism were indicated. Readings were taken at 25 m spacings on lines 100 m and 50 m apart. All magnetic surveys were done with a Proton Precession Magnetometer on hire from Geometrics, using a 2.5 m sensor height.