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Misty Valley Grid during the year, and several interesting anomalies were outlined. They should be investigated by diamond drilling during the 1974-75 field season.

8.3.1. Ground Magnetism.

The ground magnetism survey was conducted over all grid lines, roads and tracks in the area. The results are presented on Map 5 (Appended). Actual Magnetic data sheets are presented in Appendix 2.

This survey indicated that the local magnetic gradient over the siltstones, shales and quartzites is very flat - background values 62200. The chert horizons appeared as magnetic highs - with values of 2500 above background over the Lower Chert, and 50-700 over the Upper Chert. Erratic values were recorded over the argillites, and are probably due to variations in magnetic response between the argillites and tuffs. The source of the magnetic anomaly is probably the Lower Chert horizon and its adjacent sediments.

Anomalies located during the ground survey are discussed in Table 3.

Grid Line	Location	Anomaly Amplitude Gamma	Remarks
M.V.0	-	200	no anomalies
M.V.1	675E	200	dip east, source pyrrhotite or disseminated magnetite
M.V.2	350E	350	Dip steep east, source pyrrhotite or haematitic chert
	450E	300	" " " "
M.V.3	210E	250	Dip steep east, source haematitic chert. correlate MV2 350E, MV4 0E.
	350E	250	Dip steep east source chert or pyrrhotite.
M.V.4	0E	400	Dip steep east dipole effect source chert or pyrrhotite.
	520E	250	Source red chert.
M.V.5	0E	400	Source haematitic chert.