

near 374,300mE on line 5,367,200mN. This anomaly is called the Ring River Magnetic Anomaly and is the subject of an interpretation by D.E. Leaman.

He interprets a roughly cylindrical body with a radius of 400m, depth to upper surface of 250-400m and a depth extent in excess of 1.0 - 1.5km. The calculated susceptibility of this body is about 0.003cgs units.

Geophysics - V.L.F.: (Plan A0-504-0269)

The Phoenix V.L.F.-2 meter was used to measure dip angle and maximum field strength. Results were plotted on 1:5,000 scale profiles and the dip angle results were hand smoothed. Dip angle values were read off the hand smoothed profiles at 25m intervals and the first derivative calculated and plotted on a grid base at 1:5,000 scale. These values were then contoured.

V.L.F. anomalies determined in this way correspond either with Dighem anomalies or with known major structures. V.L.F. appears a useful ground locator of Dighem anomalies in the Ring River Grid area. V.L.F. anomalies are further discussed in the section "Anomaly Classification".

Petrology: (See C.M.S. report 82/7/22 Appendix D-2)

The twelve samples selected from the Ring River Grid area for petrological description included lithic sandstones, conglomerates, altered acid to basic volcanics and an altered dolerite. Cowan reports; "The suite as a whole is devoid of specific contact - metasomatic effects. Alteration in the volcanics appears largely 'deuteric', although no doubt enhanced by burial and low-grade metamorphic effects." There was generally good agreement between petrological identifications and hand specimen determinations.