

**Arsenic: (Plan AO-504-0286)**

Arsenic results were contoured at 50, 100 and 200 ppm. These levels are a factor of 10 lower than the contour intervals used on Colebrook Hill. In the Ring River Grid, most arsenic anomalies lie close to old workings of Fahlore type vein mineralisation. Significant arsenic anomalies are discussed in the section "Anomaly Classification".

**Iron: (Plan AO-504-0281)**

Iron results were contoured at 1% and 5%. A distinct lithological control is evident with high soil Fe content reflecting high rock unit background Fe. For example soils developed on Crimson Creek Formation rocks have Fe >5% while soils on Stitt Quartzite have Fe <1%.

**Chromium: (Plan AO-504-0282)**

Chromium results were contoured at 60, 300 and 1,000 ppm. As for iron a distinct lithological control is evident. Rocks producing high chromium values in soils include Colebrook Hill Serpentinities, Moores Pimple Gabbro, "fuchsitic" conglomerates and altered basalts of the Curtain Davis Volcanics.

**Geochemistry - Rocks: (See Appendix G - Rock Samples)**

Twenty three grab samples were selected from rock samples collected by J. Richardson while mapping the grid and roads. Most of these were completely unmineralised. Elements which showed the most systematic variation with rock type were iron and chromium. Thus iron and chrome geochemistry can be used to aid geological mapping.

**Geophysics - Magnetics: (Plan AO-504-0267 and Appendix B Magnetic Anomalies Ring River and Colebrook Hill, D.E. Leaman, 1982b)**

Contouring of ground magnetics from the Ring River Grid defines two major anomalies and one minor anomaly. The major anomaly in the northwest corner of the grid correlates with mapped serpentinites and the minor anomaly around 375,000mE on line 5,369,500mN correlates with a small gabbroic intrusive. The other, unexplained anomaly, is a roughly circular feature centred