

1981, a follow up survey using gradient and dipole-dipole arrays was planned to better define the twelve anomalies listed by Roberts (1981). Eleven of the twelve anomalies were detailed with IP. Both gradient and dipole-dipole arrays were used on anomalies 1, 2, 4, 5, 7 and 9, dipole-dipole only on 6, 8, 10 and 12, and gradient only on anomaly 3.

A proton magnetometer survey of the Agnew Grid was begun in December 1980 with reading of the northern half of the grid. The survey was completed in September 1981. The same base station was used in both cases (450E/90S) to correct for diurnal variation. (Results are recorded in appendix 7 and contoured at 1:2000, Plan 22 and on line profiles Plans 8A - Y).

## 5.2. Results and Discussions

### 5.2.1. Geochemistry

The assays and soil sample descriptions are recorded in Appendices 5 and 6. The data is contoured at 1:5000 (plans 9A-K) and is plotted on line profiles (plans 8A-Y).

Anomaly 1 See chapter 6.

Anomaly 2 The geochemistry is diffuse and inconclusive with a broad area of generally anomalous Sn. There appears to be a weak NW-SE trending "ridge" of high Sn and some isolated locations where anomalous base metal values correspond with this ridge. The "ridge" extends SW from 300N on line 100E through 450E at 660S (max. value 1020ppm Sn, at 660S), and appears to extend