horizon collected on line 3200N northwards, using hand screw augers. The A° samples were dried, sieved to -80# and submitted to Geochemical and Mineralogical Laboratories (1475 samples from lines 1000N to 3000N) and Analabs Pty. Ltd. (728 samples from lines 3200N to 4000N) for analysis by AAS (tin by XRF). Auger samples collected from sections of lines 3200N, 3400N and 3600N were also submitted. Analysis was carried out for the elements of copper, lead, zinc, nickel and tin, while selected samples were also analysed for mercury and manganese.

31 panned heavy concentrates were collected from the Ring River drainage system and analysed by Australian Mineral Development Laboratories for tin by XRF. 296 channel samples, collected from the costeans were dried, crushed and pulverised before being analysed by Analabs for copper, lead, zinc, tin, nickel and manganese. Chip and grab samples collected from outcrops and old workings were submitted to Australian Mineral Development Laboratories for spectographic scans.

4.5. Geophysical Surveys

A ground magnetic survey using a Proton Precession Magnetometer was carried out over the grid. Care was taken to close all traverses and co-ordinate all readings to those at a base station. 17.3 line km of medium frequency Crone EM, and 6.0 line km at high frequency, were surveyed. 16.1 line km of self potential surveys were completed. An induced polarisation and resistivity survey was carried out on all grid lines except 4000N and the eastern ends of lines 3600N and 3800N. A dipole-dipole array was used using 60m electrode spacing. 32.9 line km were covered by induced polarisation.

4.6. Costeaning

Four costeans, a total of 1506m, were established at GAP. Excavation by bulldozer is a most effective method of prospecting in an area such as this. Rock outcrop is confined to incised creek beds and steep slopes, while there is little on the cut lines. It is difficult to establish the bedrock source of mineralised float or geophysical or geochemical anomalies without removing the overburden.