

3.1.2. RESULTS RECEIVED

Geophysics

A report was received from Geophysical Exploration Consultants Pty. Ltd. and is presented in Appendix 1. G.E.C. were asked to advise on the optimum loop layout positions for down-hole E.M. surveys, and to suggest any alternative geophysical techniques which might be of use in the Colebrook area. The report concluded that down-hole E.M. probably represents the best means of creating specific geophysical targets in the very noisy environment of Colebrook Hill.

Geochemistry

Data sheets for the rock chip samples collected in the East Colebrook area are presented in Appendix 2. Sample locations on the Westcott Hill track are shown in Fig. 1. Along this track the entire exposure of Westcott Argillite was sampled on 3m intervals from the eastern contact with the Salisbury Conglomerate to the western contact with Munro Creek Shales. Carbonate lithologies have been noted from the Westcott Argillite in the East Colebrook area. In the vicinity of the track the lithologies are mainly oxidised dolomitic siltstones, pale green fuchsite siltstones and orange-brown clays.

There were no significant assay values reported from the rock chip samples.

Tin reported a highest value of 10 ppm Sn in three samples. Only 12 of the 79 samples were above detection limit for Sn.

Arsenic reported a highest value of 71 ppm As. Only 5 samples were above detection limit for Silver and each of these was only 0.5 ppm Ag. This suggests that the sampled area is essentially sulphide poor.

Lead is almost uniformly low. Two values of 70 ppm Pb and 65 ppm Pb stand out over the rest which are all below 30 ppm Pb.

Copper reaches a high of 360 ppm Cu but shows a strong positive correlation with iron, and, to a lesser extent, manganese. This suggests some form of scavenging in ferruginous and manganiferous clays.

Zinc reaches an isolated high of 540 ppm Zn, with most values less than 200 ppm Zn.

Chromium shows a wide range of values, mostly less than 500 ppm Cr, but with a high of 2,200 ppm Cr, reflecting the variable fuchsite content in the rocks.