

1. The extensive pyrite-sericite and chlorite-magnetite alteration of the pre-dominantly volcanic sequences make the environment highly favourable for volcanogenic proximal Cu-Au mineralization of Mt. Lyell type.
2. The copper anomaly on the northern part of the grid.
3. The high intensity magnetic anomaly.

This follow up work was to utilise gradient array IP to locate the most geophysically favourable areas and to target a drill hole on the copper anomaly with Dipole-Dipole array IP. The C horizon soil sampling program was to be completed across the remainder of the grid.

ii) Geology

A 1:2500 scale geological map of the Voyager 9 area was completed in the previous field season (plan TS 27/76 V9-9) the mapping concentrated on the alteration and mineralogy of the rocks and recognised a broad distinction between a chlorite-magnetite alteration assemblage to the south east which passes northwards into a dominantly pyrite-sericite alteration.

The area was re-examined by the writer with the aim of recognising a local mappable stratigraphy and to gain an understanding of the structure to aid in the interpretation of the anomalous character of the area.

Aerial photo examination of the Voyager 9 area shows it is an area of positive relief bounded by two major lineaments which are recognisable by the drainage systems marking the western and eastern boundaries of the area. Structures within this 'fault' bounded segment are difficult to recognise due to the extensive quartz float.