

048

iii) Geochemistry

Approximately 450 C horizon soil samples were collected using the Jacro rig at 25m intervals along all grid lines exclusive of lines 10850N and 11450-11750N. The -80 mesh fraction of the samples was analysed for Cu, Pb, Zn, Fe Mn and Ag. The results are presented in plans 15-18 respectively and outline a number of significant anomalies.

1. The WNW striking copper anomaly centred on 11600N 10000E which was outlined by the previous years sampling proved to be the most anomalous area for copper on the Voyager 9 grid. Background values on the grid were generally below 10ppm with threshold taken to be 20ppm.
  
2. A major northerly trending Pb-Zn anomaly with values of up to 2100ppm zinc occurs over 6 grid lines on the eastern part of the grid adjacent to Stoney Creek (11250N 10400E). The anomaly has lead support with values of up to 1050ppm Pb. The lower dispersion of the lead defines two separate anomalies as outlined by the 100ppm contour interval.

This anomaly lies immediately to the west of a small outcrop of gossanous material which returned values of 48% Fe, 920ppm Pb, 500ppm Zn, 3000ppm Ba and 3ppm Ag (sample KR 6873, Large 1981).

3. A broad diffuse area of anomalous Cu-Pb-Zn occupies the SW portion of the Voyager 9 grid. Spot values of 835 and 585Pb fall in a broad area of weakly elevated zinc values.