

3.5 VOYAGER 22

i) Introduction

Voyager 22 represents an area of hydrothermally altered Wart Hill Pyroclastics on the south-eastern flank of the Osmund Syncline. The alteration is manifested by patchy, fracture controlled iron staining representing the oxidised pyrite alteration.

In the previous field season four 400m spaced grid lines were surveyed across the area from the northern extension of the Voyager 9 base line. C-horizon soil samples were collected along these lines at 25m intervals using the Jacro rig and anomalous values were recorded for zinc.

An orientation rock chip sampling program showed the rocks to be anomalous in Cu, Pb, Zn, Ag and Au. Consequently the area was designated priority 5 for the 1980-1981 field season a rating which was dependent upon the conclusions arising from the investigation of the Voyager 19 and Voyager 9 areas.

A grid measuring 1.2km by 1.6km was surveyed over the area as an extension of Voyager 19-Voyager 24- Voyager 29 system. Cross lines were placed at 200m intervals and sampled by a combination of Jacro rig and hand held power auger in the more inaccessible areas.

ii) Geology

At this stage geological mapping of the Voyager 22 area is still at a reconnaissance stage. A 1:10000 geological map was compiled using the enlarged aerial photographs as a base map in order to control the extent of the proposed grid (plan 61). Four principal lithological units were recognised and are from east to west: