5.5. VOYAGER 34

The Voyager 34 area lies in favourable lithologies of the 'Wart Hill Pyroclastics' on the eastern limb of the Mt Osmund Syncline. Ground work completed the previous season (Wilson et al, 1982) indicated a strong Pb-Zn C-Horizon geochemical anomaly in the north eastern part of the grid.

Work during the 1982-83 season involved:

- extension of the grid to north and east
- extension and infill of C-Horizon sampling
- extension of geological mapping
- coverage by Dipole IP survey

5.5.1. Geology

The geological facts and interpreted boundaries are presented on Plan No's: 12,13. Outcrop in the area is generally very poor and much of the geological mapping has depended on examination of chips from Jacro auger holes used for geochemical sampling.

5.5.2. Geochemistry

C-Horizon soil samples were obtained by Jacro auger at 25m intervals to provide coverage at 100m or 200m line spacing. Sample Number locations are plotted on Plan No's 21, 23, 24.

Contoured geochemical results are presented on Plans 35,36,40,41.

The principal feature of interest is a coincident lead-zinc anomaly elongate in N-S direction at about 11800E extending from 13600N to 14000N with dubious extension to 14400N. The maximum values are 4150ppm Pb, 5400ppm Zn with subtle Ag support upto 7gm/t. Pb/Zn ratios are (favourably) moderately low. The anomaly coincides with a low swampy area of poor geological exposure but apparently underlain by fine to medium grained chloritic quartz feldspar crystal tuff. Traces of pyrite have been observed in auger cuttings. Wilson et al, 1982 reported disseminated galena and sphalerite in the auger cuttings at 13800N, 11775E.