

VOYAGER 9. (380,000 E, 5 246,000 N. A.M.G.)

### Gridding.

To enable a detailed geological, geochemical and geophysical evaluation of the Voyager 9 magnetic anomaly a broad grid, incorporating two cross lines and a single baseline, was designed and implemented during the 1977-78 field season.

A control station was established at 380,000 E, 5 245,600 N (A.M.G.) corresponding to grid co-ordinates 10,000 E, 10,000 N. The baseline 10,000 E was, for geophysical purposes, orientated Mag. North. Theodolite techniques were used for the establishment of the baseline between 8,300 N and 12,300 N. Cross lines were surveyed using range pole methods. All lines were pegged at 50 metre intervals. In total 4,000 metres of theodolite gridding and 4,300 metres of range pole gridding were completed.

Sheet KT 27/76 V9-2 details the Voyager 9 grid layout and peg positions.

### Geochemistry.

During the 1977-78 season, C-horizon geochemistry was carried out at 50 metre centres on traverses 9,500 N and 10,850 N of the Voyager 9 grid.

Augering was completed using a Jacro 200 rig mounted on a Muskeg Bombardier and C-horizon samples were obtained from an optimum depth of 2.0 metres or refusal. In areas inaccessible to the rig, augering was carried out by hand auger techniques.

A total of 88 holes were augered, producing 97 samples (including duplicates) for a total depth of 139.10 metres. The 1 in 10 duplicate sampling procedure acts as an assaying check.