

b. Dipole - Dipole induced polarization

In an attempt to achieve a more effective depth discrimination of the anomalies while at the same time sacrificing structural information, it was decided to use the Dipole - Dipole configuration for induced polarization surveys during the 1977-78 field season.

Detailed I.P. was carried out on grid traverses at Voyager 1,2 and 3 using a Scintrex (IPR-8) receiver. All field results were plotted in the form of contoured pseudosections incorporating chargeability, resistivity and metal factor data.

Self Potential

S.P. has had a very limited use within E.L. 27/76 by Geopeko Limited. During 1976-77 a single traverse was read across Voyager 1 using an L.A. Richardson designed instrument.

The 10,000N grid traverse on the Voyager 2 prospect was read using S.P. during the 1977-78 field season utilizing a Fluke 8020A digital multimeter.

Schlumberger Vertical Depth Soundings

As a possible aid in the interpretation of the resistivity component of the Dipole - Dipole I.P. pseudosections, a series of Schlumberger Vertical Depth Soundings were carried out. Based on the existing geological information zones of uniform lithology in the Voyager 1,2 and 3 areas were chosen for the soundings.