

Geophysics

Ground geophysics carried out on the reconnaissance traverse at Voyager 3 involved V.L.F. (E.M.) and magnetics. Dense rain forest conditions prevented the extension of this traverse further to the west.

Magnetic data recorded no anomalous character and a geophysical interpretation of the V.L.F. (E.M.) noise suggests the possibility of an anomaly to the west. The Voyager 3 prospect was inadequately located and remained untested.

On the basis of favourable rock lithologies, visible minor mineralization and significant rock geochemistry, the Voyager 3 Area grid was read with a variety of geophysical techniques during the 1977-78 field season, including magnetics, I.P. and vertical electrical sounding.

Significant I.P. anomalies were detected at 9600N, 8850E, 9600N, 10000E, and 10000N, 9200N. These anomalies are characteristic of polarizable sources with a near surface expression.

A broad magnetic anomaly associated with a small I.P. response was detected on line 10,000N. This anomaly which may represent a polarizable magnetic body was detected by the Geoex 1975 airborne survey.

A weak magnetic anomaly, also detected by the Geoex survey, was recorded on the western granite contact and may be related to the I.P. response on line 9400N.