

45° 25'

DESCRIPTIVE NOTES

This map is derived from the total field data recorded during aero-magnetic survey operations by a self-orienting rubidium-vapour magnetometer which was installed in the tail stinger of a Beechcraft B80 Queenair aircraft. The data was digitally-recorded with a resolution of 0.02 gammas. A second boom mounted above the tail stinger at a distance of 2.08 metres forms a vertical gradiometer system.

Flight altitude was 500 feet above ground at 1000 feet average flight line spacing and double control lines were flown at an average spacing of 4 miles.

The data was edited, compiled, levelled and gamma values for contouring interpolated on a square grid (0.1" grid spacing at the published map scale) by automatic computer processes.

Several digital operators were applied to the total field magnetic data to remove the regional magnetic variations and longer wave length magnetic features. The residual magnetic map represents the short wave length magnetic features which are produced by the underlying near-surface local geology.

The final grid was contoured and plotted using the automatic contouring program and digital plotter facilities of the Department of Energy, Mines and Resources, Computer Science Centre.

Airborne survey was carried out in April 1975 and digital compilation by Resource Geophysics and Geochemistry Division, Geological Survey of Canada. The Queenair aircraft of the Geological Survey of Canada was flown under contract to Kenting Earth Sciences Ltd.

The photo and map base for this map was compiled by Surveys and Mapping Branch, Department of Energy, Mines and Resources.

ISOMAGNETIC LINES (absolute total field)

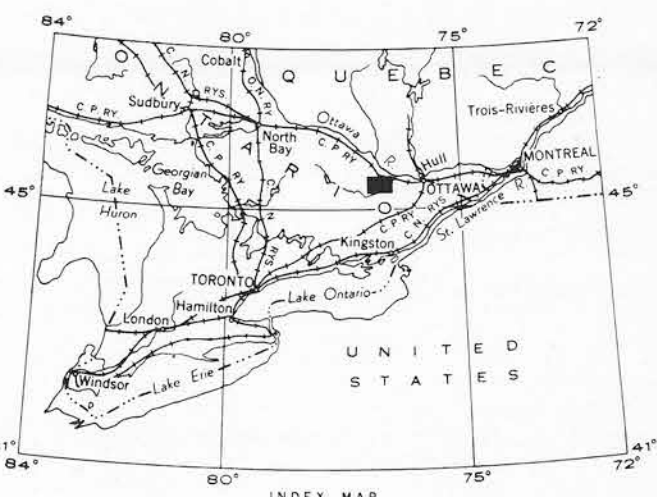
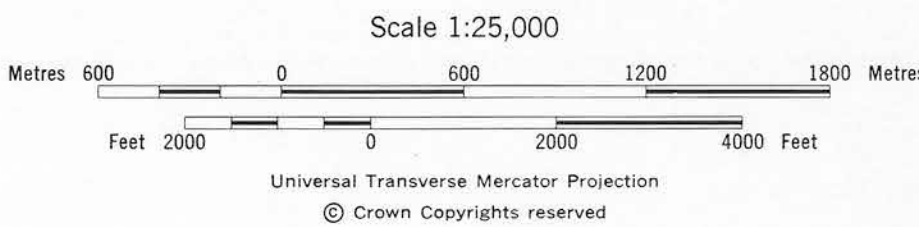
- 50-100 gammas .....
- 5 gammas .....
- Magnetic depression .....
- Flight altitude: 500 feet above ground level
- Contour interval: 5 gammas

GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY MINES AND RESOURCES  
MINISTÈRE DE L'ÉNERGIE DES MINES ET DES RESSOURCES



COMMISSION GÉOLOGIQUE DU CANADA

PART OF 31 F/7  
ONTARIO  
RESIDUAL MAGNETIC FIELD



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APRIL 1976  
GEOLOGICAL SURVEY  
COMMISSION GÉOLOGIQUE  
OTTAWA

45° 15'  
76° 30'

76° 40'