

**LAKE SIMCOE**

The aeromagnetic information on this map was compiled from digitally recorded high-sensitivity aeromagnetic data obtained using an inboard cesium magnetometer which measured the total field with a resolution of 0.005 gammas. Flight altitude was 150 m above ground at 640 m average line spacing, the survey lines were flown in a north-south direction. Control lines were flown at an average spacing of 12 kilometres. Loran C was used to navigate the aircraft and recover the flight path.

The data was edited, compiled, levelled and gamma values interpolated on a square grid by computer processes.

No correction has been made for the regional gradient of the earth's magnetic field.

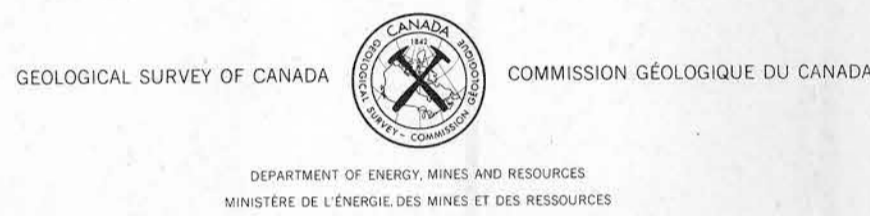
Airborne survey and digital compilation was carried out by the Geophysics Division, Geological Survey of Canada. The survey operations took place during September 1985.

Digital magnetic tapes containing the edited recorded data and gridded aeromagnetic data are available from the Geological Survey of Canada, Room 562, 601 Booth Street, Ottawa, Ontario, K1A 0E8 at the user's expense on a cost recovery basis.

Copies of this map may be obtained from Campbell Reproductions, 890 Wellington Street, Ottawa, K1R 6K7.

**ISOMAGNETIC LINES (absolute total field)**

- 500 gammas .....
- 100 gammas.....
- 20 gammas.....
- 10 gammas.....
- (1 gamma = 1 nanotesla in SI units)
- Magnetic depression.....



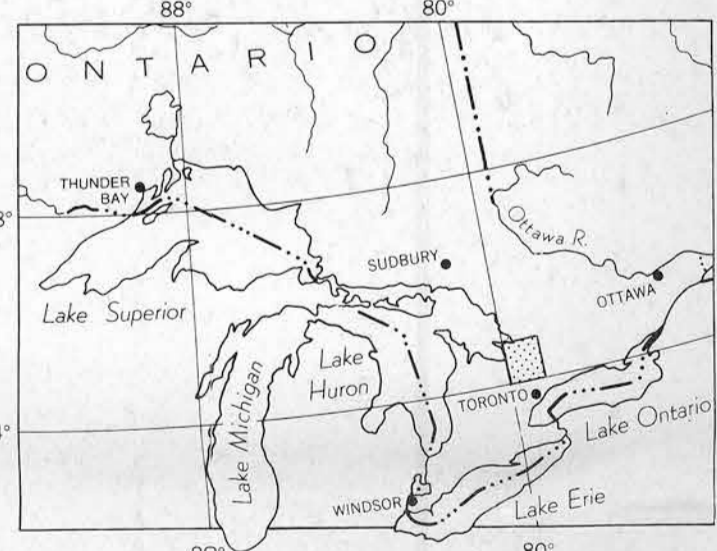
**31D  
LAKE SIMCOE  
ONTARIO  
TOTAL MAGNETIC FIELD**

Scale 1:100 000 - Échelle 1/100 000

Kilometres 2 4 6 8 Kilometres

Universal Transverse Mercator Projection / Projection transverse universelle de Mercator

© Crown Copyrights reserved / © Droits de la Couronne réservés



**OPEN FILE  
DOSSIER PUBLIC**  
1416  
GEOLOGICAL SURVEY OF CANADA  
COMMISSION GÉOLOGIQUE DU CANADA  
OTTAWA  
1987

