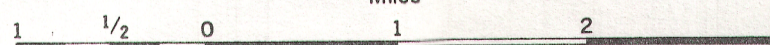


MAP 4571G

**SARNIA**  
LAMBTON COUNTY  
ONTARIO

Scale: One Inch to One Mile =  $\frac{1}{63,360}$  Miles



ISOMAGNETIC LINES (total field)

- 500 gammas.....
- 100 gammas.....
- 20 gammas.....
- 10 gammas.....
- Magnetic depression.....
- Fiducial Points..... 360
- Flight lines.....
- Flight altitude 1800 feet above mean sea level

Airborne Magnetic Survey, August 1954 to February 1955  
by Lockwood Survey Corporation Ltd.

No correction has been made for regional variation.

The planimetry for this map was obtained from  
topographical map sheets published by the  
Department of Mines and Technical Surveys.

The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the magnetic contours are dependent on the variable magnetic intensities of the underlying rocks, and may be due to conditions near, or at unknown depths below the surface. High magnetic anomalies normally indicate the presence of basic rocks, such as diabase, gabbro, or serpentinite, which have a relatively high iron content, but in special instances may be due, or partly due, to concentrations of magnetic minerals. By means of the magnetic anomalies, various rock bodies or structural features, such as faults or folds, may be traced into, or across, areas of low or no outcrops. In many instances, however, no interpretation of particular anomalies may be possible without further geological information.

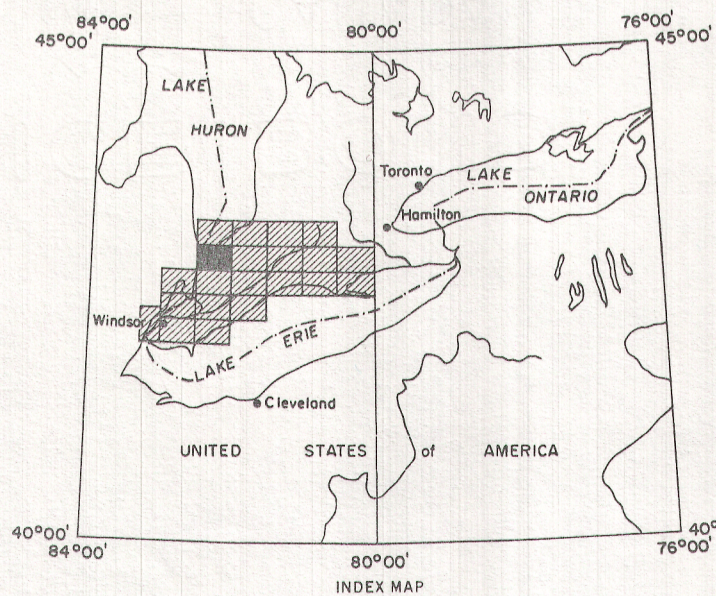
GEOPHYSICS PAPER 4571

SARNIA  
ONTARIO  
SHEET 40 J  
16

Joins Map 4570G, Sarnia/Nov

Joins Map 4573G, Wallaceburg

Joins Map 4583G, Perth



9/15/74