



ISOMAGNETIC LINES (absolute total field)

- 500 gammas
- 100 gammas
- 20 gammas
- 10 gammas
- Magnetic depression

Flight lines
Flight altitude 300 metres above ground level
1 gamma = 10⁻⁹ tesla in SI units

MAP 8224G

86 $\frac{1}{8}$

DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

SCALE: 1:50,000



Air photographs covering this map area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario.
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR-GENERAL, GEOLOGICAL SURVEY OF CANADA, OTTAWA.

Airborne magnetic survey, May 1976 to August 1977
by Geotrex Ltd., and Northway Survey Corporation Ltd.

No correction has been made for regional variation.

The topography for this map was reproduced from 1:250,000 topographical map sheets published by the Department of Energy, Mines and Resources, Ottawa.

Where the survey aircraft traversed large areas of water and ice, Doppler navigation was utilized to direct the course of the aircraft and the Doppler output was recorded on an incremental X, Y recorder for compilation purposes.

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 out crops. In many instances, however, no interpretation of particular anomalies may be possible without further geological information.

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