



ISOMAGNETIC LINES (absolute total field)

500 gammas

100 gammas

20 gammas

10 gammas

Magnetic depression

Flight lines

Flight altitude 1000 feet above ground level

MAP 4109G

SHEET 63 ¹/₁

MANITOBA

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

Airborne Magnetic Survey, April 1965 to December 1965 by Spartan Air Services Ltd.

No correction has been made for regional variation.

The planimetry for this map was reproduced from 1:125,000 unpublished manuscript, obtained from Department of Mines and Technical Surveys, Ottawa.

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 serpentine, 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.