



Isomagnetic lines (total field)  
 500 gammas .....  
 100 gammas .....  
 20 gammas .....  
 10 gammas .....  
 Magnetic depression contour .....  
 Flight line .....  
 Flight altitude: 1,000 feet above ground level

MAP 111G  
**WHITNEY**  
 HALIBURTON AND HASTINGS COUNTIES  
 AND NIPISSING DISTRICT  
 ONTARIO  
 Scale: One Inch to One Mile =  $\frac{1}{63,360}$   
 Miles

Magnetic Survey, 1949, by Geophysics Section,  
 Geological Survey of Canada, Department of Mines  
 and Technical Surveys.

No correction has been made for regional variation;  
 this increases at the rate of 3.5 gammas per mile from  
 east to west and 3.0 gammas per mile from south to  
 north.

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 ore minerals.  
 By means of the magnetic anomalies, various rock bodies or structural features,  
 such as faults or folds, may be traced by the geologist into, or across, areas  
 of few or no outcrops. In many instances, however, no present interpretation  
 of particular anomalies may be possible.