



ISOMAGNETIC LINES	(total field)
500 gammas.....	
100 gammas.....	
20 gammas.....	
10 gammas.....	
Magnetic depression.....	
Fiducial Points.....	
Flight lines.....	
Flight altitude 1800 feet above mean sea level	

MAP 4579G
CHATHAM
ESSEX and KENT COUNTIES
ONTARIO

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

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 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.