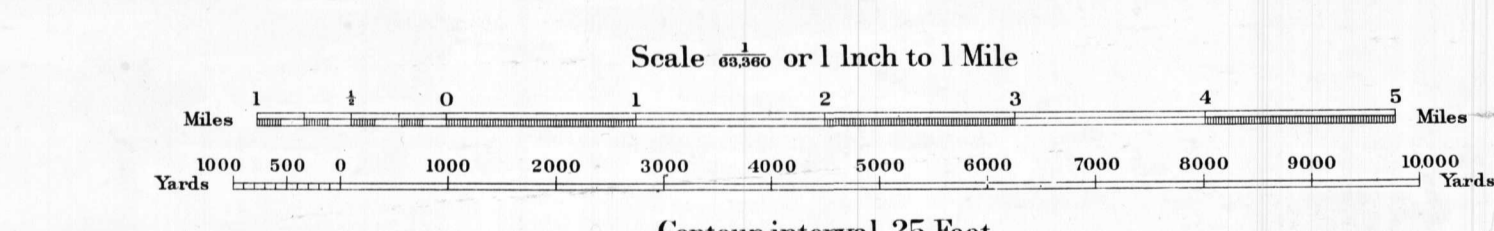


Published by the Geographical Section, General Staff  
Department of National Defence 1928.  
Revised 1933.

Magnetic Declination, 11°47' W at Perth, 1934. (Local attraction)  
Polyconic Projection.  
Elevations in feet above Mean Sea Level.  
Surveyed in 1927 by the Geographical Section, G.S. with aid of  
aerial photos by the Royal Canadian Air Force.

Aeromagnetic survey, August 1947, by Geophysics Division, Geological  
Survey of Canada; Department of Mines and Technical Surveys, in  
collaboration with the Royal Canadian Air Force. Flights made through  
the courtesy of the Flight Research Section, National Research Council,  
Amprior, Ontario.

Provincial Boundary	---
County	---
Township	---
Railways	Single Track Double " " " "
Cutting	---
Embankment	---
Road, Paved	---
Improved	---
Other	---
Wagon or Unimproved Road	---
Path	---
Canal and Locks	---
Masonry	---
Bridges	Steel or Iron Wood
Swing Bridges (Steel or Wood)	---
Dams (Wood or Masonry)	---
Wagon Ford	---
Ferry	---
Cliff	---
Quarry	---
Sand or Gravel Pit	---



Contour interval 25 Feet

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

INDEX TO ADJOINING SHEETS

CALDWELL MILLS	CARLETON PLACE	KEMPTVILLE
SHARROT LAKE	PERTH	MERRICKVILLE
TICHBORN	WESTPORT	BROOKVILLE

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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 absolute magnetic intensity at the base station (latitude, 45° 25'; longitude, 76° 22') on August 26-27, 1947, was 58,262 gammas; for convenience in the present magnetic compilation, the magnetic datum has been taken at this station as 1,200 gammas.

Railway Station	—
Post Office	—
Church	Without spire or tower With " " " "
Mill	Grist or Flour mill Saw mill Other mill or factory
School	—
Blacksmith shop	—
Hotel or tavern	—
House	—
Telegraph or Telephone Line	—
Office	—
Telephone Exchange	—
Lighthouse	—
Cemetery	—
Triangulation Station	—
Altitude	—
Beach Marks	—
Marsh	—
Woods	(Deciduous) (Coniferous)
Contours	(Elevation) (Depression)
Electric Power Lines, on Steel Towers	—
Wood Poles	—

ONTARIO 76°00' - 44°45'

Highway Routes, etc.

The magnetic data superimposed on this topographic 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.