

Surveyed and Reproduced by the Geographical Section, General Staff,
DEPARTMENT OF NATIONAL DEFENCE.
Original Survey 1905.
Revised 1923, with aerial photographs taken by R.C.A.F.
Reprinted 1940.
Magnetic Declination 9° 55' W. at centre of sheet, 1939.

REFERENCE

Main Highway (solid)	16	Electric Power Lines (On Steel Towers)	On Wood Poles
Secondary (dashed)	16	Electric Power Lines (On Wood Poles)	On Steel Towers
Other Roads	16	Other Mill or Factory	16
Path	16	Other Mill or Factory	16
Highway Route Number	16	Other Mill or Factory	16
Railways (Double Track)	16	Other Mill or Factory	16
Railways (Single Track)	16	Other Mill or Factory	16
Post Office	16	Other Mill or Factory	16
Telegraph or Telephone Trunk Route	16	Other Mill or Factory	16
Telegraph Office	16	Other Mill or Factory	16
Survey Monument	16	Other Mill or Factory	16

MERRICKVILLE
ONTARIO

Scale 1 mile to 1 inch or 1:63,360

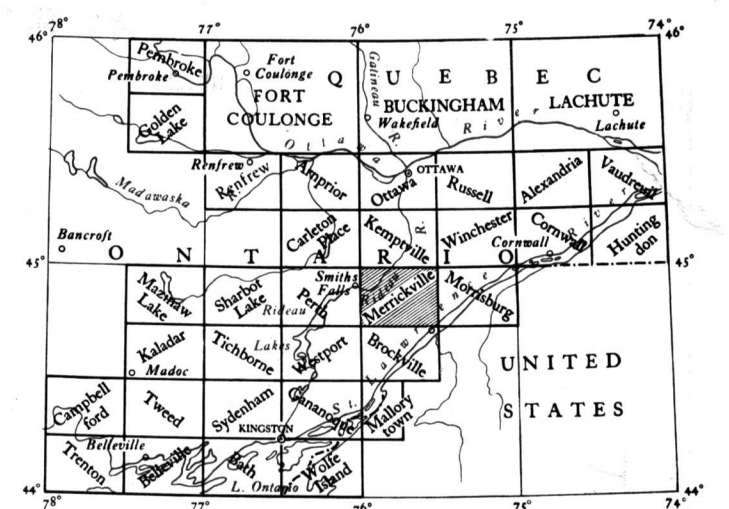


Contour interval 25 Feet

All Elevations in Feet above Mean Sea Level.

REFERENCE

House	Church with Spire	Centre of Circle is Centre of Spire
Barn	Tower	Altitude
Saw	without either	Bench Marks
Grass or Pasture	School	Elevation
Mill	Church	Depression
Other Mill or Factory	Other Mill or Factory	Depression
Quarry	Other Mill or Factory	Depression
Sand or Gravel Pit	Other Mill or Factory	Depression
Woods, Deciduous	Other Mill or Factory	Depression
Coniferous	Other Mill or Factory	Depression



NOTE: On the above index the sheets published are shown in red.
Copies of these maps may be obtained from the Surveyor General,
Department of Mines and Resources, Ottawa. Price 25 cents.

Magnetic survey, November 1947 and March 1948, by Geophysics
Section, Geological Survey of Canada: Mines, Forests and Scientific
Services Branch, Department of Mines and Resources, in collaboration
with the Royal Canadian Air Force. Flights made through the courtesy
of the Flight Research Section, National Research Council, Amnir,
Ontario.

Magnetic contour intervals (total field)

500 gammas

100 gammas

20 gammas

Magnetic depression contour

Flight line

Flight altitude: 1,000 feet above ground level

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 58,362 gammas; for convenience in the
present magnetic compilation, the magnetic datum has
been taken at this station as 1,200 gammas.

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.