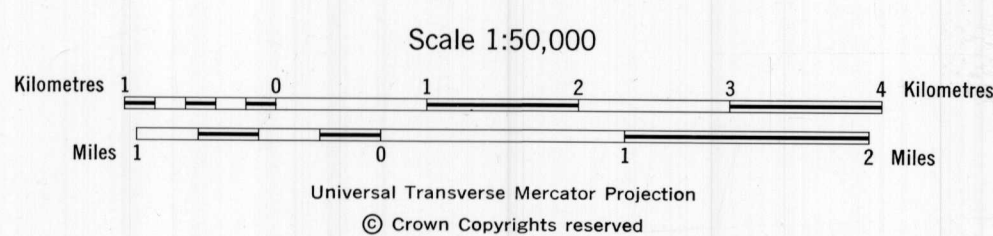


- Isomagnetic lines (total field):
 500 gammas
 100 gammas
 20 gammas
 10 gammas
 Magnetic depression contour
 Flight line
 Flight altitude: 500 feet above ground level

MAP 39G
YELLOWKNIFE BAY
 DISTRICT OF MACKENZIE
 NORTHWEST TERRITORIES



Magnetic Survey, August, 1950 by Geophysics Division, Geological Survey of Canada; Department of Mines and Technical Surveys.

No correction has been made for regional variation; this increases at the rate of 2.5 gammas per mile from west to east and 4.0 gammas per mile from north to south.

The magnetic data on this map were compiled from information along the flight lines shown. The anomalies expressed by the map are dependent on the variable magnetic intensities of the underground rocks. They may be due to conditions near, or at unknown depths below, the surface. Magnetic anomalies normally indicate the presence of basic rocks, gabbro, or serpentine, which have a relatively high iron content. Instances may be due, or partly due, to concentrations of magnetic minerals. By means of the magnetic anomalies, various rock bodies or structures such as faults or folds, may be traced by the geologist into, or away from, the surface. In many instances, however, no present interpretation of particular anomalies may be possible.