

PUBLISHED, 1951

MAP 40G

PROSPEROUS LAKE

DISTRICT OF MACKENZIE

NORTHWEST TERRITORIES

Scale 1:50 000

Kilometres 1 0 2 3 4

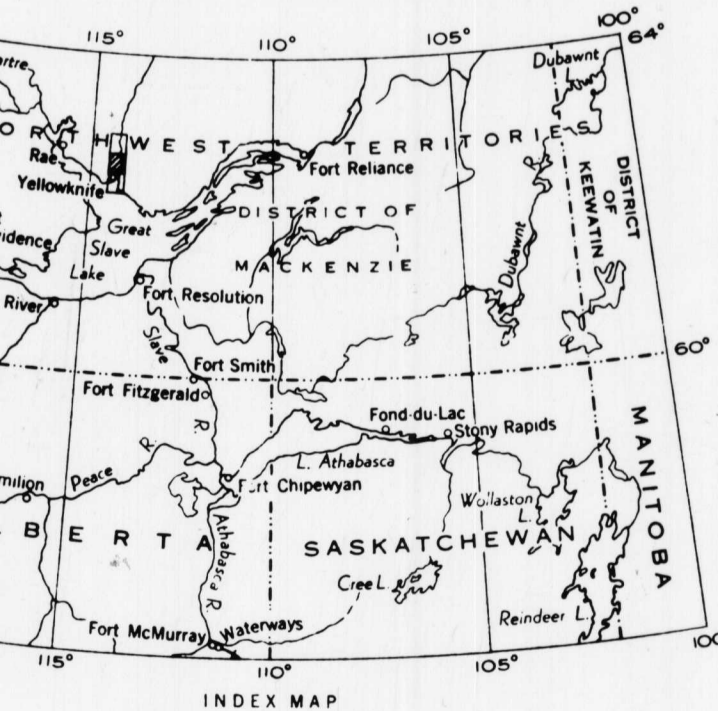
Universal Transverse Mercator Projection
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- Isomagnetic lines (total field):
- 500 gammas
 - 100 gammas
 - 20 gammas
 - 10 gammas
- Magnetic depression contour
- Flight line
- Flight altitude: 500 feet above ground level

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 along the flight lines shown. The anomalies expressed by the are dependent on the variable magnetic intensities of the may be due to conditions near, or at unknown depths below magnetic anomalies normally indicate the presence of basic gabbro, or serpentine, which have a relatively high iron content. Instances may be due, or partly due, to concentrations of magnetite. By means of the magnetic anomalies, various rock bodies such as faults or folds, may be traced by the geologist into few or no outcrops. In many instances, however, no particular anomalies may be possible.



INDEX MAP