

MAP 257G  
ADVANCE EDITION

**SIMONS ISLAND**  
DISTRICT OF MACKENZIE  
NORTHWEST TERRITORIES

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



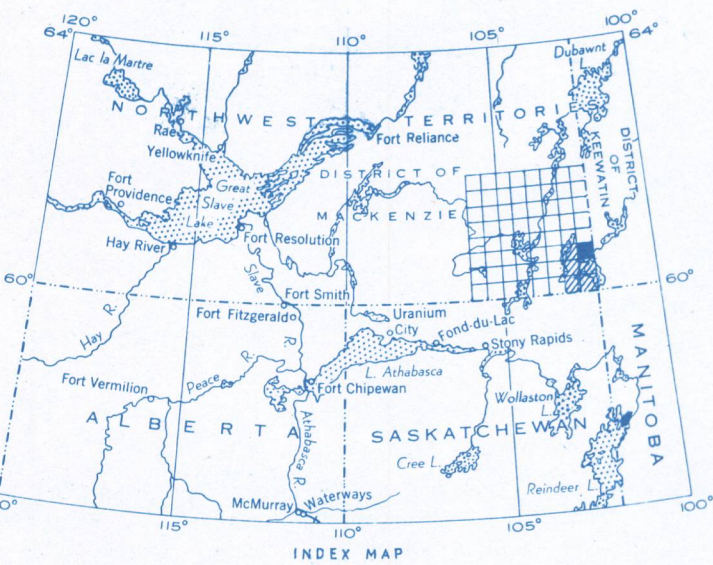
Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario.

Airborne Magnetic Survey, July to October 1954, by Geophysics Section, Geological Survey of Canada, Department of Mines and Technical Surveys.  
No correction has been made for regional variation.

The planimetry for these maps has been traced from maps based on trimetrogon photography with limited ground control. Lack of planimetric control may have led to large position errors in places.

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 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 interpretation of particular anomalies may be possible without further geological information.

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