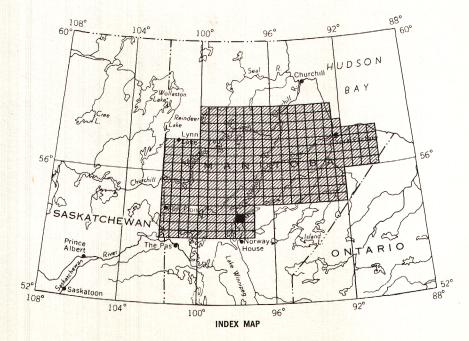
MANITOBA

PROVINCE

DEPARTMENT MINES AND TECHNICAL SURVEYS

SHEET 63 1 AEROMAGNETIC SERIES GEOLOGICAL SURVEY OF CANADA DEPARTMENT OF MINES AND NATURAL RESOURCES 97°30' 98°00' 35' Joins Map 2598G, "Hill Rapids" 17 TH. BASE LINE Pipestone.

PUBLISHED, 1965



98°00'

50'

55'

ISOMAGNETIC LINES (total field)

Flight lines ... Flight altitude: 1000 feet above ground level. MAP 2597G

Joins Map 2596G, "Sugar Falls"

CROSS LAKE

MANITOBA

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

Airborne Magnetic Survey, February to December, 1964, by Canadian Aero Service Ltd.

No correction has been made for regional variation.

40'

The planimetry for this map was obtained from the topographical map sheet published at a scale of one inch to four miles.

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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GEOPHYSICS PAPER 2597 CROSS LAKE

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