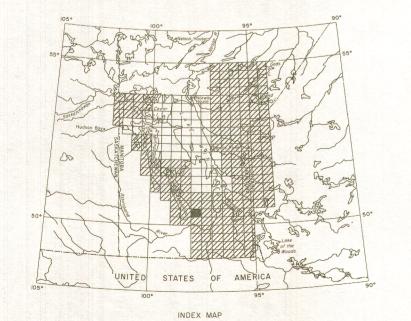
PROVINCE OF

DEPARTMENT

MANITOBA ENERGY, MINES AND RESOURCES 62 = SHEET GEOLOGICAL SURVEY OF CANADA DEPARTMENT OF MINES AND NATURAL RESOURCES AEROMAGNETIC SERIES 97°30′ 40' 35' 98°00′ Joins Map 4163G, "Narcisse" 55' SE TTLEMENT Shoa! **TP17 R3** 6

Lake OLock Manor 25' TP16 R4 TPI6 R3 Shoot TP16 R2 TPI6 RIW 20' Lake TPI5 R2 TP15 R3 TP15 R4 TPIS RIW 97°30′ Joins Map 4161G, "Warren" 50' 55' PUBLISHED 1968

MAP 4162G



ISOMAGNETIC LINES (absolute total field)

500 gammas..... 100 gammas..... 20 gammas..... 10 gammas..... Magnetic depression.....

Flight altitude 1000 feet above ground level

ST. LAURENT

MANITOBA

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

The planimetry for this map was obtained from topographical map sheets published by the Department of Energy, Mines and Resources, Ottawa.

Airborne Magnetic Survey, March 1967 to October 1968 by Spartan Air Services Ltd.

No correction has been made for regional variation.

Where the survey aircraft traversed large areas of water and swamp, Doppler navigation was utilized to direct the course of the aircraft and the Doppler output was recorded on an incremental X, Y recorder for compilation purposes.

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 serpentinite, which have a relatively high iron content, but in special instances may be due, or partly due, to concentrations of magnetic minerals. By means of the magnetic anomalies, various rock bodies or structural features, such as faults or folds, may be traced 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.

> GEOPHYSICS PAPER 4162 ST. LAURENT

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