PROVINCE
OF
MANITOBA

DEPARTMENT OF MINES AND NATURAL RESOURCES

DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA

AEROMAGNETIC SERIES

SHEET 53 E/16

94°30′ 25′ 20′ Joins Map 4024G, "Rochon Lake" 10′ 05′ 94°00′

54°00′

55′

50′

53°45′

Joins Map 4041G, "Island Lake"

Joins Map 3657G, "Angling Lake"

94°30′ 25′ 20′ Joins Map 4022G, "Benson Bay" 10′ 05′ 94°00′

Kroiman Lake
Irving Lake
Pickerel Narrows
Sinclair Islands
Grand Island
York Island
Harper Island
Savage Islands
Whitewav I. Island
Loonfoot I.
Heart
Okay Island
Mistawan Lake
LAKE
MAGNETIC CONTROL LINE
SECOND VERTICAL
EAST

PUBLISHED 1966

MAP 4023G

YORK LAKE

MANITOBA

ISOMAGNETIC LINES (absolute total field)

500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression

Flight lines
Flight altitude 1000 feet above ground level

Scale 1:50 000 - Échelle 1/50 000

Kilometres 0 1 2 3 4 Kilomètres

Universal Transverse Mercator Projection
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Projection transverse universelle de Mercator
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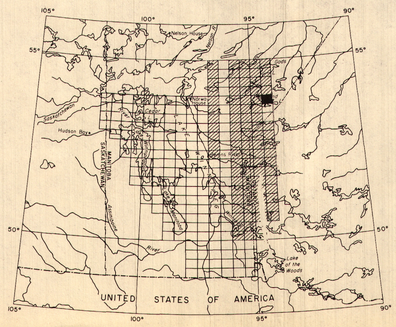

Airborne Magnetic Survey, April 1965 to December 1965 by Spartan Air Services Ltd.

No correction has been made for regional variation.

The planimetry for this map was reproduced from 1:125,000 unpublished manuscript, obtained from Department of Mines and Technical Surveys, Ottawa.

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 4023

YORK LAKE

MANITOBA

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