PROVINCE OF MANITOBA
DEPARTMENT OF MINES AND NATURAL RESOURCES

DEPARTMENT OF ENERGY, MINES AND RESOURCES
GEOLOGICAL SURVEY OF CANADA

PROVINCE OF ONTARIO
DEPARTMENT OF MINES

AEROMAGNETIC SERIES

SHEET 53 J/13

92°00' 55' 50' Joins Map 3694G, 53 O/4 40' 35' 91°30'

55°00'

MANITOBA
ONTARIO

RIEDER LAKE

Yelling Lake

Echoing Lake

Babey Lake

MAGNETIC CONTROL LINE

Joins Map 3685G, 53 K/16

Joins Map 3705G, 53 J/14

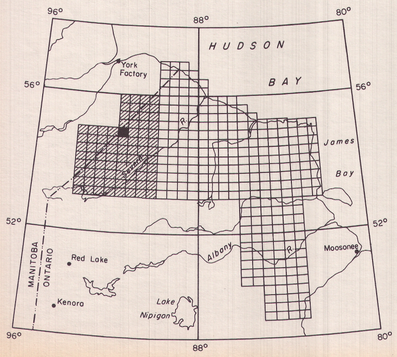
50'

55'

54°45'

92°00' 55' 50' Joins Map 3692G, Ellard Lake 40' 35' 91°30'

PUBLISHED 1967



ISOMAGNETIC LINES (total field)

500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression

Flight lines
Flight altitude 1000 feet above ground level

MAP 3693G

RIEDER LAKE

KENORA and WINNIPEG MINING DISTRICTS

ONTARIO-MANITOBA

Scale 1:50 000 - Echelle 1/50 000

Kilometres 1 0 1 2 3 4 Kilomètres

Universal Transverse Mercator Projection
Projection transverse universelle de Mercator

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Airborne Magnetic Survey, February 1965 to January 1966 by Lockwood Survey Corporation Ltd.

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

No correction has been made for regional variation.

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 3693

RIEDER LAKE
ONTARIO-MANITOBA
SHEET 53 J/13