AEROMAGNETIC SERIES

PROVINCE OF ONTARIO
DEPARTMENT OF MINES

DEPARTMENT OF MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

SHEET 41 J/2

"Ontario Department of Mines Aeromagnetic Data"

83°00' 55' 50' 40' 35' 82°30'
46°15' 10' 05' 46°00'

Lake Of The Mountains
COBDEN
STRIKER
Hastie Lake
Surprise Lake
LONG
Long Lake
SPRAGGE
LEWIS
Lillie Lake
Thurston Lake
Lauzon Lake
Blind River
Mississagi I.R. No. 8
Hoffman Bight
ALGOMA
Sprague
Harbour
Serpent River
Serpent River Indian Reserve No. 7
Round Island
Sanford Island
Clara Island
Caroline Island
Turnbull Island
Passage
Turnbull
Whalesback Channel
John Island
Aikens Island
Scott Island
Dewdney Island
NORTH CHANNEL
LAKE HURON
ALGOMA DISTRICT
MANITOULIN DISTRICT

POWER LINE
HWY 551
HWY 555
HWY 17
HWY 108
DAM
MAGNETIC CONTROL LINE
CANADIAN PACIFIC RAILWAY

Joins Map 2226G, "Dean Lake"
Joins Map 2255G, "Spanish"
Joins Map 2239G, "Silver Water"

INDEX MAP

ISOMAGNETIC LINES (absolute total field)

500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression

Flight lines
Flight altitude 1000 feet above ground level

MAP 2240 G

ALGOMA

ALGOMA and MANITOULIN DISTRICTS
ONTARIO

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, October 1962 to May 1963 by Spartan Air Services Ltd.

No correction has been made for regional variation.

The planimetry for this map was obtained from topographical map sheets published by the Department of Mines and Technical Surveys and the Ontario Department of Lands and Forests.

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 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 2240

ALGOMA
ONTARIO

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