

AEROMAGNETIC SERIES



MAP 2212 G

ST. JOSEPH ISLAND
ALGOMA DISTRICT
ONTARIO

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



ISOMAGNETIC LINES (absolute total field)
500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression
Flight lines
Flight altitude 1000 feet above ground level

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 out-
crops. In many instances, however, no interpretation of particular ana-
malies may be possible without further geological information.

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