PROVINCE OF ONTARIO

DEPARTMENT ENERGY, MINES AND RESOURCES SHEET 42 \$ DEPARTMENT OF MINES GEOLOGICAL SURVEY OF CANADA AEROMAGNETIC SERIES Joins Map 293 G (Rev.) "Timmins"

Flight altitude 500 feet above ground level

(total field)

ISOMAGNETIC LINES

MAP 291 G (Rev.)

Joins Map 286 G (Rev.) "Sinclair Lake"

PETERLONG LAKE

SUDBURY & TIMISKAMING DISTRICTS ONTARIO

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

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No correction has been made for regional variation.

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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.

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GEOPHYSICS PAPER 291 (Rev.) PETERLONG LAKE

ONTARIO

SHEET 42 A



Scale, linch to 100 miles