PROVINCE
OF
MANITOBA

DEPARTMENT OF MINES AND NATURAL RESOURCES

DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA

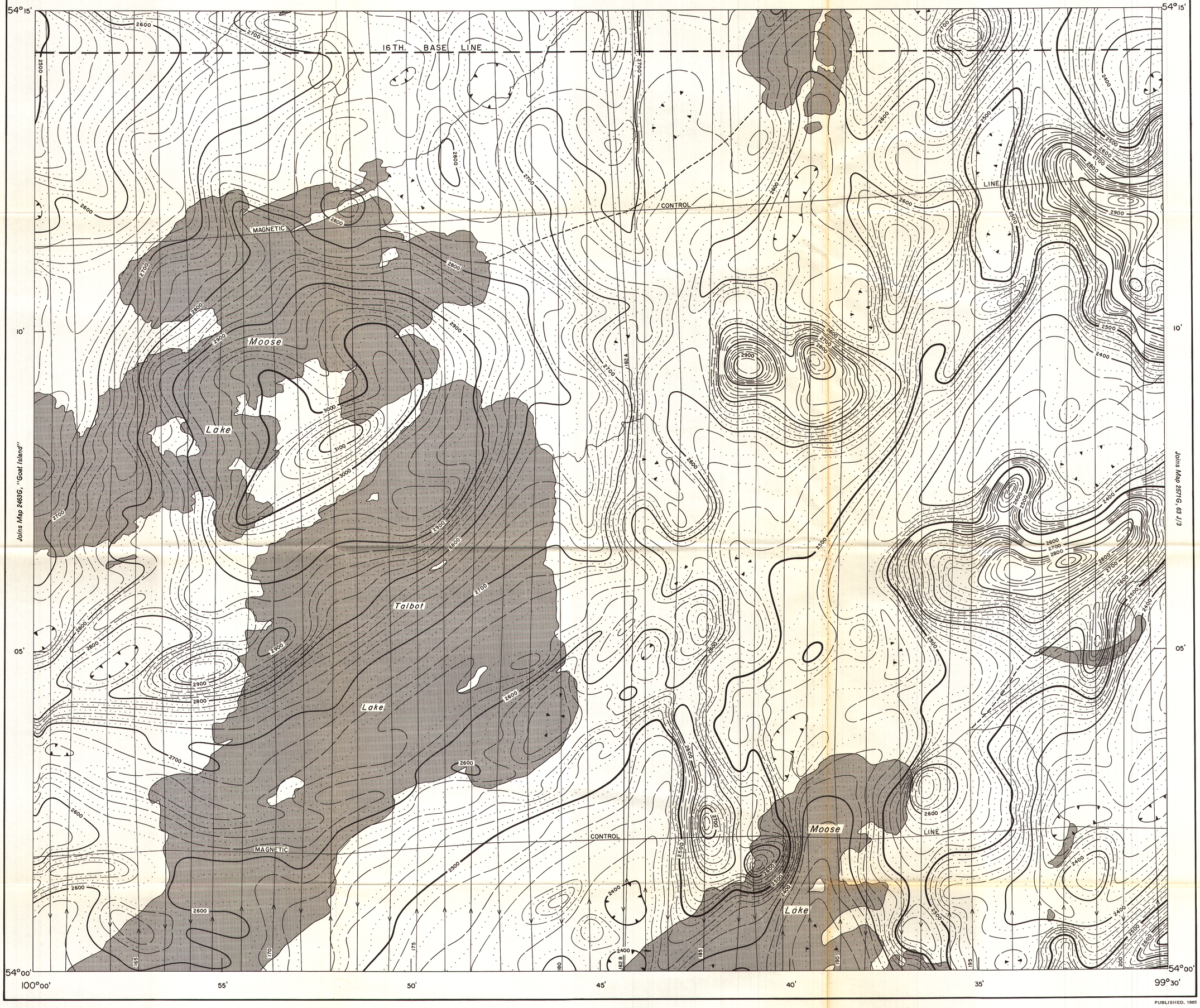
AEROMAGNETIC SERIES

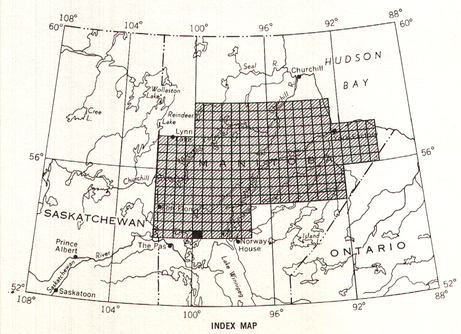
SHEET 63 J/4

Joins Map 2564G, "Hargrave Lake"

Joins Map 2463G, "Goat Island"

Joins Map 2571G, 63 J/3





INDEX MAP

ISOMAGNETIC LINES (total field)

500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression

Flight lines
Flight altitude: 1000 feet above ground level.

MAP 2563G

63 J/4

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Scale: One Inch to One Mile = 1/63,360

Miles

1 ½ 0 1 2 3

Airborne Magnetic Survey, February to December, 1964, by Canadian Aero Service Ltd.

No correction has been made for regional variation.

The planimetry for this map was obtained from the topographical map sheet published at a scale of one inch to four miles.

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 by the geologist 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 2563

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