PROVINCE DEPARTMENT OF ENERGY, MINES AND RESOURCES MANITOBA SHEET 62 AEROMAGNETIC SERIES DEPARTMENT OF MINES AND NATURAL RESOURCES GEOLOGICAL SURVEY OF CANADA 55′ 50' Joins Map 4194G, "Langruth" 99°00′ TPI5 RIO TP15 R9 T.P.14 R8 TP/4.R9 TPI4 RII TP14/R10 TP#3 RI2 TPI3 RIO TPI3 R8 TPI2 RII TP12 R9 TPI2 R8 50' 35' 99°00′ 55′ 98°30′ PUBLISHED 1968 MAP 4193G The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the GLADSTONE magnetic contours are dependent on the variable magnetic intensities of ISOMAGNETIC LINES (absolute total field) the underlying rocks, and may be due to conditions near, or at unknown Airborne Magnetic Survey, March 1967 to October depths below the surface. High magnetic anomalies normally indicate the 1968 by Spartan Air Services Ltd. 500 gammas..... presence of basic rocks, such as diabase, gabbro, or serpentinite, which MANITOBA 100 gammas..... have a relatively high iron content, but in special instances may be due, No correction has been made for regional variation. 20 gammas..... or partly due, to concentrations of magnetic minerals. By means of 10 gammas ..... Where the survey aircraft traversed large areas of water and swamp, Doppler navigation was utilized to direct the course of the aircraft and the Doppler output the magnetic anomalies, various rock bodies or structural features, such Magnetic depression.....

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

The planimetry for this map was obtained from

Department of Energy, Mines and Resources, Ottawa.

topographical map sheets published by the

Flight lines..... Flight altitude 1000 feet above ground level

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as faults or folds, may be traced into, or across, areas of few or no outcrops. In many instances, however, no interpretation of particular ano-

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malies may be possible without further geological information.

was recorded on an incremental X, Y recorder for

compilation purposes.