PROVINCE DEPARTMENT OF MANITOBA ENERGY, MINES AND RESOURCES SHEET 62 14 AEROMAGNETIC SERIES DEPARTMENT OF MINES AND NATURAL RESOURCES GEOLOGICAL SURVEY OF CANADA 99°30′ 25' 20' Joins Map 4210G, "Valpoy" 10' 05' 51°00′ [ TP.23 R120 TP23 RI4 TP22 R14 TP22 R12 TP22 R13 TP22/ RI5 TP21/RIS 50' 50' TP21 R12 TP21 RIS TP2L RI4 TP20/RIS TP20 RIA TP20 R13 TP20 RJ2 99°30′ 20' 99°00′ 25' 15' 10' 05' PUBLISHED 1968 MAP 4209G The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the McCREARY 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..... the magnetic anomalies, various rock bodies or structural features, such Where the survey aircraft traversed large areas of Magnetic depression...... Scale: One Inch to One Mile =  $\frac{1}{63,360}$ water and swamp, Doppler navigation was utilized to direct the course of the aircraft and the Doppler output as faults or folds, may be traced into, or across, areas of few or no out-

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

INDEX MAP

malies may be possible without further geological information. GEOPHYSICS PAPER 4209 McCREARY MANITOBA

crops. In many instances, however, no interpretation of particular ano-

was recorded on an incremental X, Y recorder for

compilation purposes.

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