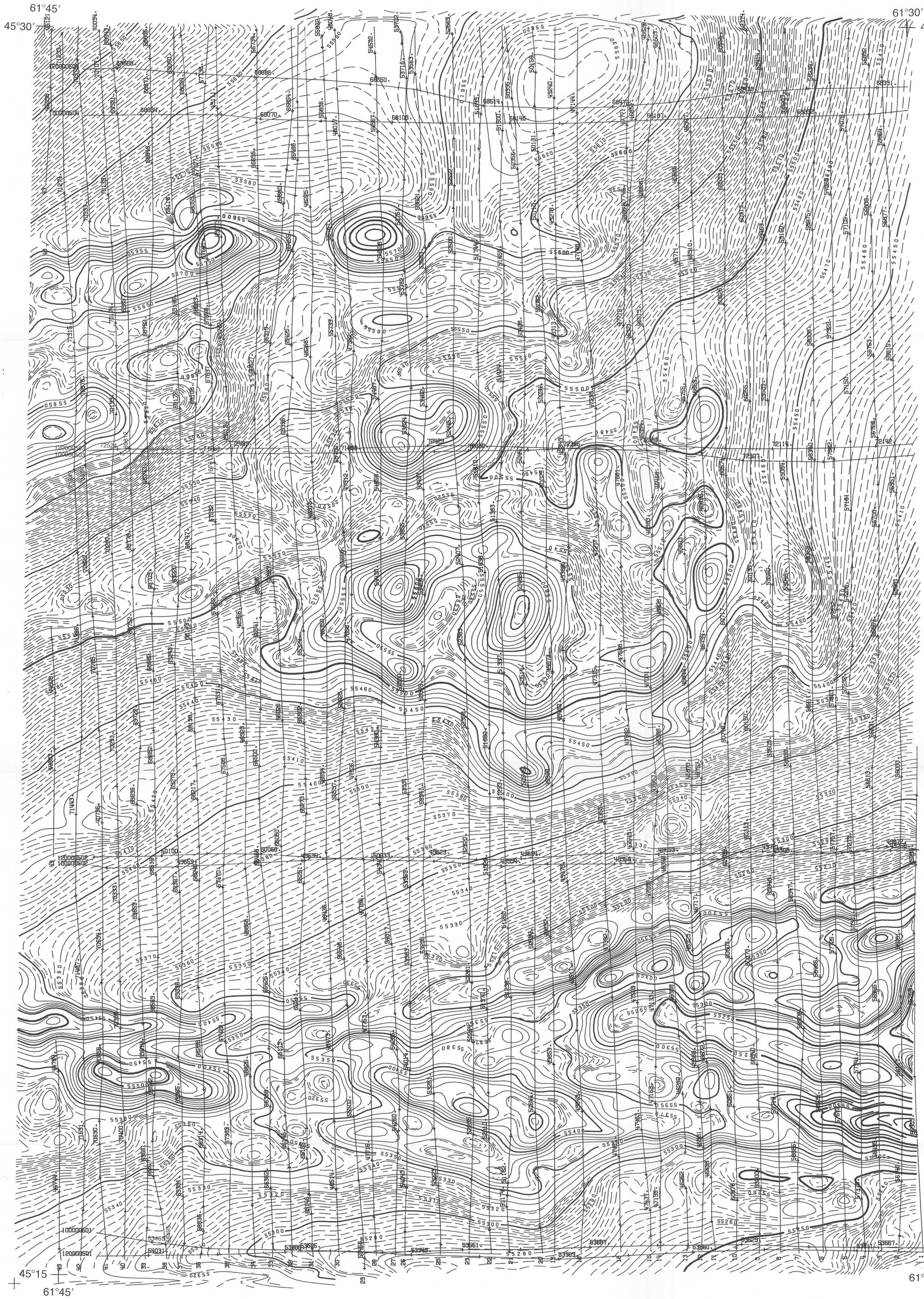

St. Marys - Total

DESCRIPTIVE NOTES

This total field contour map was compiled from data recorded during aeromagnetic survey operations by a self-orienting rubidium-vapour magnetometer which was installed in the tail stinger of a Beechcraft B80 Queenair aircraft. The data were digitally recorded with a resolution of 0.02 gammas.

Flight altitude was 1500 feet Barometric at 1500 feet average flight line spacing and double control lines were flown at an average spacing of 4 miles.

The data were edited, compiled, levelled and gamma values for contouring interpolated on a square grid (0.1" grid spacing at the published map scale) by automatic computer processes.

The automatic levelling process employs the two components of the double control line and the short segments of traverse which connect them where they are not exactly co-incident. These data are used to minimize and distribute non-geological contributions from the total magnetic field profile along the control line. The corrected control lines are used to level the traverse by a method of minimal sum-total adjustment.

The final grid was contoured and plotted using the automatic contouring program and digital plotter facilities of the Department of Energy, Mines and Resources, Computer Science Centre.

Airborne survey was carred out from September to November 1970 and digital compilation by Resource Geophysics and Geochemistry Division, Geological Survey of Canada. The Queenair aircraft of the Geological Survey of Canada was flown under contract to Kenting Earth Sciences Ltd.

No correction has been made for regional variation.

ISOMAGNETIC LINES (absolute total field)

500 gammas .....

50-100 gammas .....

10 gammas .....

2 gammas .....

Magnetic depression .....

Flight altitude: 1500 feet Barometric

Contour interval: 2 gammas

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

11 F/5 EAST HALF
NOVA SCOTIA
TOTAL MAGNETIC FIELD

Scale 1:50,000

Kilometres 1 0 1 2 3 4 Kilometres

Miles 1 0 1 2 Miles

Universal Transverse Mercator Projection

© Crown Copyrights reserved

INDEX MAP

OPEN FILE
DOSSIER PUBLIC
629
JULY 1979
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

This document was produced by scanning the original publication.

Ce document est le produit d'une numérisation par balayage de la publication originale.