

ISOMAGNETIC LINES (absolute total field)

500 gammas

100 gammas

50 gammas

Magnetic depression

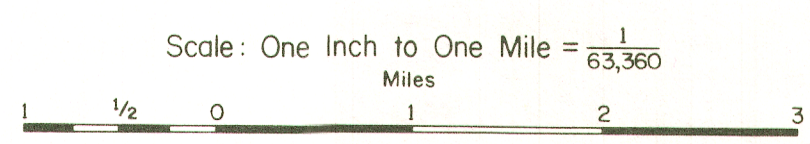
Ship's track and bathymetric contours

in feet below sea-level

MAP 4884G

SCOTIAN SHELF

11 ^F/₈



The ship magnetometer survey was conducted between May and Oct. 1961, using a direct-reading proton free-precession magnetometer. The ship's position was controlled by Newfoundland Decca Chain 6. The survey and subsequent compilation were carried out by personnel from the Geophysics Division, Geological Survey of Canada. Drafting by Spartan Air Services Ltd.

The magnetic contours drawn in red and bathymetric contours shown in grey were compiled from data recorded along the ship's track which is indicated by cross-ticks on the bathymetric contour. The bathymetric contours given in feet are obtained from echo-sounding records and depth calculations have been made assuming a velocity of sound in sea-water of 4,800 feet per second. The echo-sounding equipment was installed on a CHS ship which also carried out the magnetometer survey.