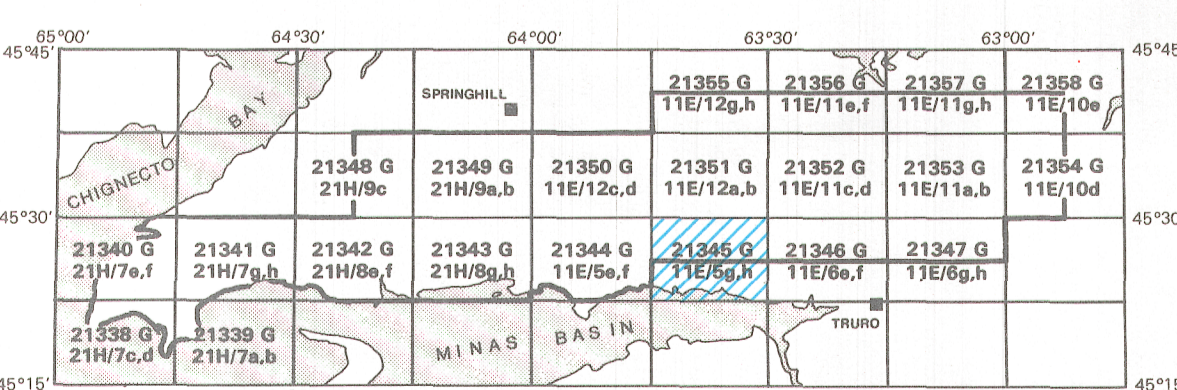


AEROMAGNETIC TOTAL FIELD MAP  
CARTE AÉROMAGNÉTIQUE DU CHAMP TOTAL

MAP 21345 G CARTE  
11E/5g,h  
NOVA SCOTIA  
NOUVELLE-ÉCOSSE

SCALE 1:25 000 - ÉCHELLE 1/25 000

Mètres 1000 500 0 500 1000 Mètres



INDEX MAP  
CARTE DE LOCALISATION

ISOMAGNETIC LINES (absolute total field)  
LIGNES ISOMAGNÉTIQUES  
(valeur absolue du champ total)

250 gammas .....  
50 gammas .....  
10 gammas .....  
2 gammas .....  
Magnetic depression .....  
Depression magnétique .....  
Flight lines .....  
Lignes de vol .....  
Flight altitude: 150 metres above ground level  
Altitude du vol: 150 mètres au-dessus du niveau du sol  
1 gamma = 10<sup>-9</sup> tesla in SI units  
1 gamma = 10<sup>-9</sup> tesla en unités SI

This map was compiled from data recorded by Sander Geophysics Limited, between October 10, 1986, and June 25, 1987, using a helicopter-borne magnetic gradiometer. This gradiometer consisted of two Sander Geophysics Ltd. Overhauser magnetometers of 0.005 gamma resolution with a vertical separation of 1.5 m. The gradiometer was towed by a cable 30 m below the helicopter. Average sensor height was 150 m above ground with an average traverse and control line spacing of 300 m and 63 m respectively. The flight path was recovered using imagery taken by a vertically mounted 16 mm camera and from positions recorded digitally by an inertial navigation system. Total field values are the sum of the two magnetometer outputs. All data processing was carried out by computer including the levelling analysis between traverses and control lines. Grid cell size for the automatic mapping process was 2.5 mm, representing 82.5 m on the ground, and isomagnetic contours were plotted automatically. No regional corrections are applied to the earth's magnetic field. The base for this map was reproduced from a 1:50 000 topographical map published by the Department of Energy, Mines and Resources, Ottawa.

Copies of this map may be obtained from the Department of Energy, Halifax, Nova Scotia, or from the Geological Survey of Canada, Ottawa. The survey data used to compile this map are available in digital form from the Geological Survey of Canada at the cost of retrieval and copying.

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