



PUBLISHED 1978

This map has been compiled from digitally-recorded high-sensitivity aeromagnetic data obtained by two self-orienting rubber-tired magnetometers mounted on a GSC Beechcraft B60 aircraft. The magnetometers are vertically separated by a distance of 2.08 metres with each measuring the total magnetic field.

Flight altitude was 150 m above ground at 300 m average flight line spacing. Double control lines were flown at an average spacing of 12.5 km.

The vertical gradient values, which approximate closely to the first vertical derivative of the total field, were obtained by differencing the difference between the total field readings of the two magnetometers by their vertical separation.

The data were then filtered with a digital operator to remove instrument noise. The vertical gradient data from the control lines was not used in the compilation of the aeromagnetic grid, comprising the equivalent vertical for contouring interpolated onto a square grid (0.25 cm grid spacing at the published map scale) by automatic contouring and plotted onto a rectangular grid and plotted using the automatic contouring program and digital plotter facilities of Dataplotting Services Ltd. The survey data used to compile this map were supplied by the Geological Survey of Canada at the cost of retrieval and copying.

Airborne survey and data compilation was carried out by Resource Geophysics and Geochemistry Division, Geological Survey of Canada. The survey operations took place in October and November 1976.

The topography for this map was reproduced from 1:50,000 topographic map sheets, published by the Department of Energy, Mines and Resources.

Copies of this map may be obtained from the Mineral Resources, Nova Scotia Department of Mines, Halifax, or from the Geological Survey of Canada, Ottawa.

INDEX MAP

63°45'

63°30'

63°15'

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