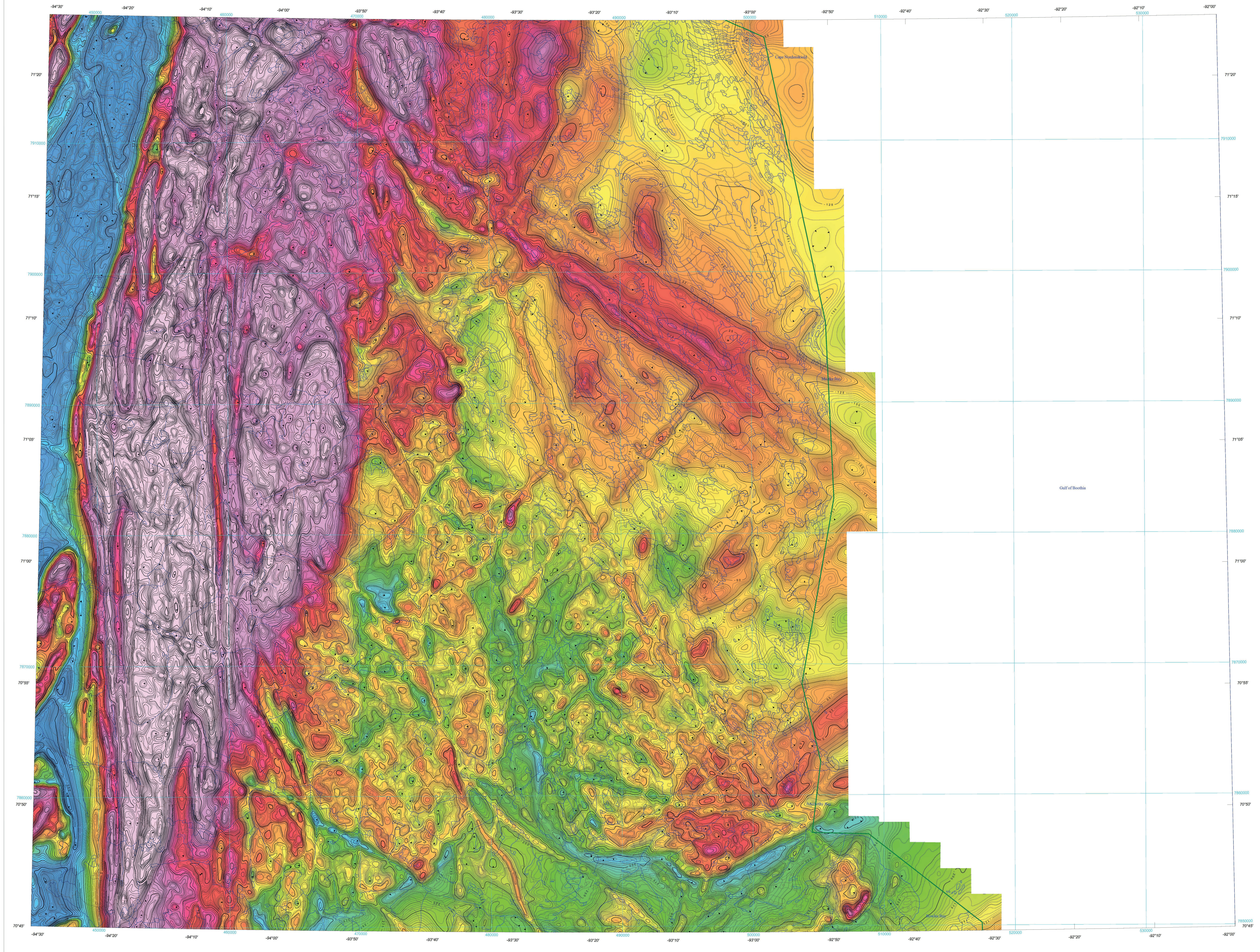


RESIDUAL TOTAL MAGNETIC FIELD



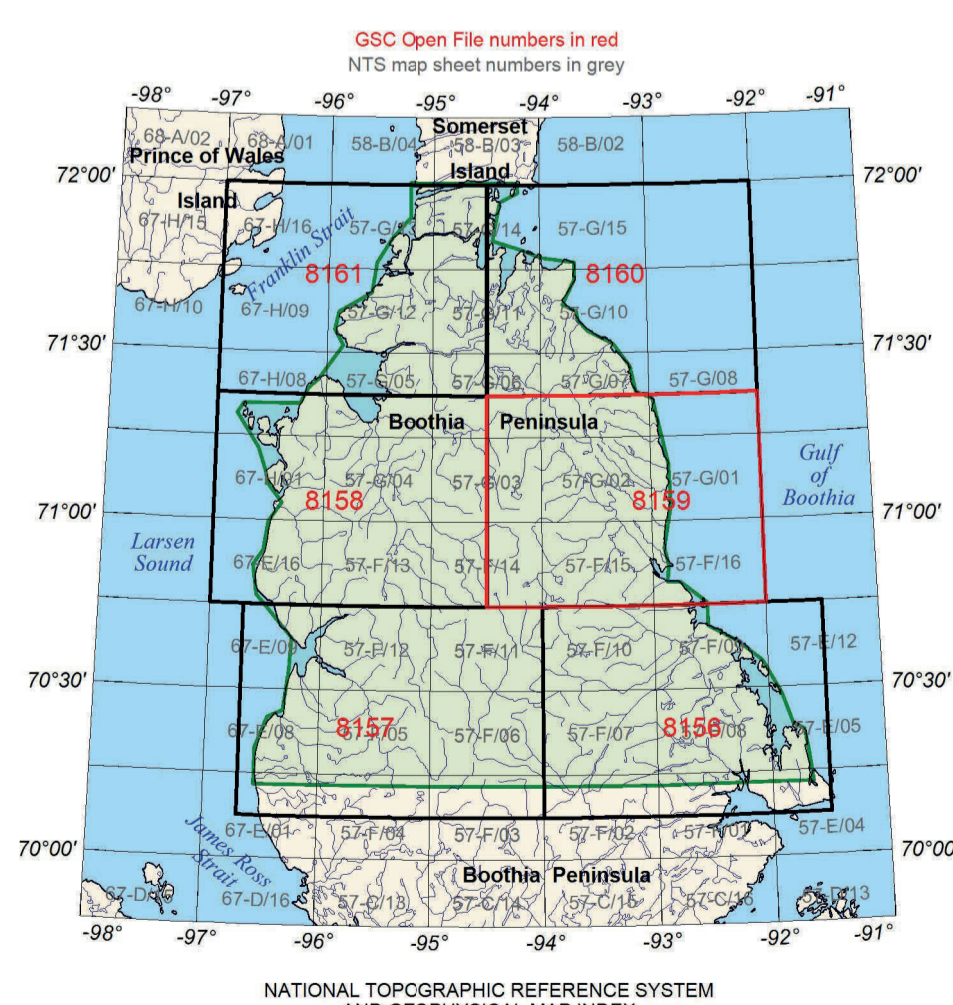
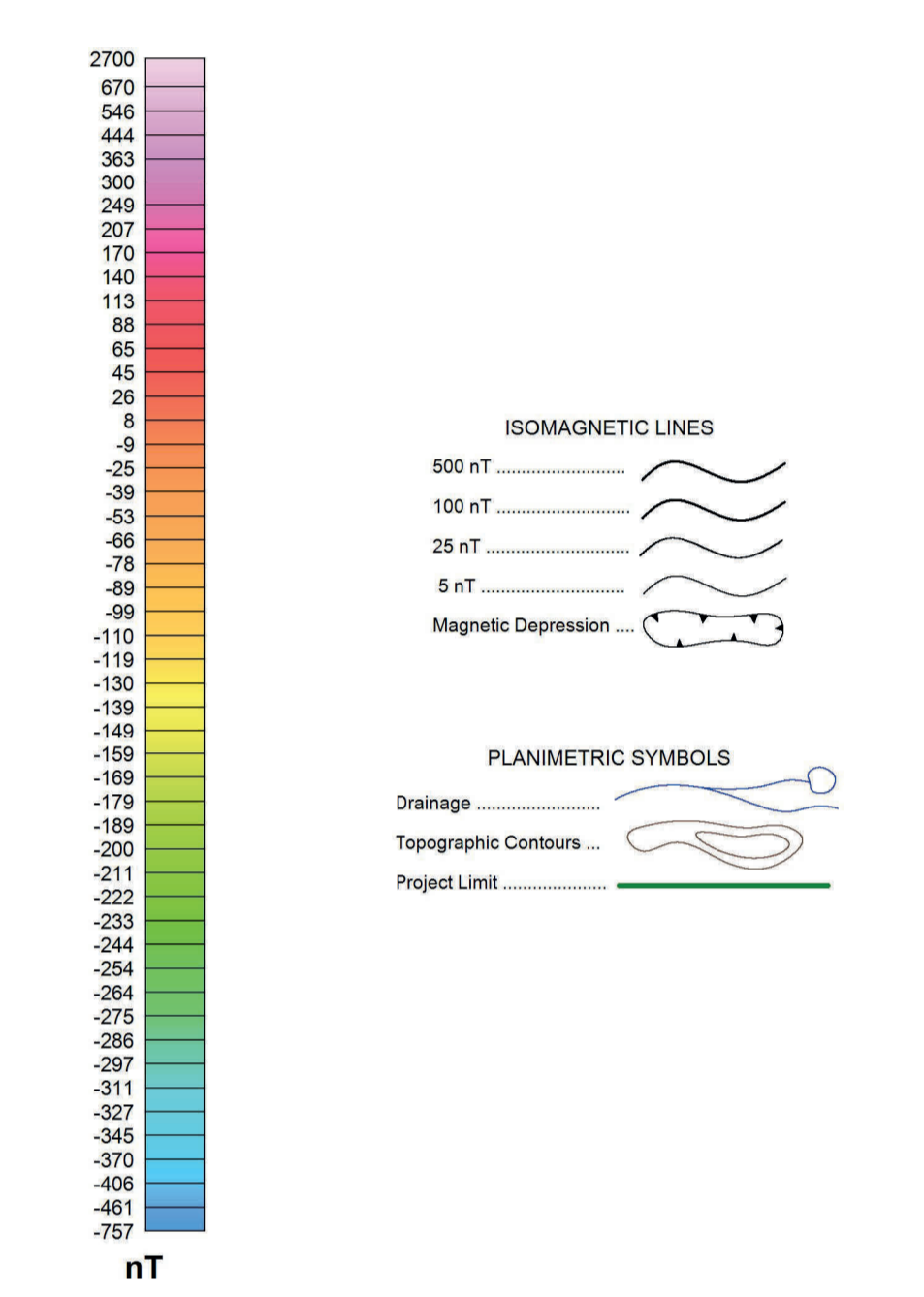
Residual Total Magnetic Field

This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by Sander Geophysics Limited from March 15, 2016 to July 3, 2016. The data were recorded using split-beam cesium vapour magnetometers (sensitivity ± 0.005 nT) mounted in each of the tail booms of two Cessna 208B Grand Caravan aircraft (C-GSQL and C-GSQV). The normal traverse and control line spacings were, respectively, 400 m and 2400 m, and the aircraft flew at a nominal terrain clearance of 150 m. Traverse lines were oriented N070E with orthogonal control lines. The flight path was recovered following post-flight differential corrections to the real-time Global Positioning System (GPS) data and inspection of ground images recorded by a vertically-mounted video camera. The survey was flown on a pre-determined flight surface to minimize differences in magnetic values at the intersections of control and traverse lines. These differences were computer-analysed to obtain a mutually levelled set of flight-line magnetic data. The levelled values were then interpolated to a 100 m grid. The International Geomagnetic Reference Field (IGRF) defined at the average GPS altitude of 305 m for the year 2016.38 was then removed. Removal of the IGRF, representing the magnetic field of the Earth's core, produces a residual component related almost entirely to magnetizations within the Earth's crust.

This publication is available for free download through GEOSCAN (<http://geoscan.nrcan.gc.ca>). Corresponding digital profile and gridded data as well as similar data for adjacent airborne geophysical surveys are available from Natural Resources Canada's Geoscience Data Repository for Aeromagnetic data at http://nsr.nrcan.gc.ca/index_e.html. The same products are also available, for a fee, from the Geophysical Data Centre, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8. Telephone: (613) 995-5326, email: frpops@nrcan.gc.ca.

Acknowledgements

The authors thank the field crew chiefs, Gaston Muller and Orling Matebas (Sander Geophysics Limited) for their cooperation. We also thank Douglas Oneschuk (GSC) for his cartographic design expertise.



This aeromagnetic survey and the production of this map were funded by phase 2 of the Geomapping for Energy and Minerals (GEM2) program of the Earth Sciences Sector, Natural Resources Canada.

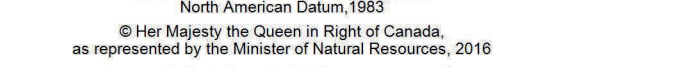
GEOLOGICAL SURVEY OF CANADA OPEN FILE 8159
RESIDUAL TOTAL MAGNETIC FIELD

AEROMAGNETIC SURVEY OF THE NORTHERN BOOTHIA PENINSULA II

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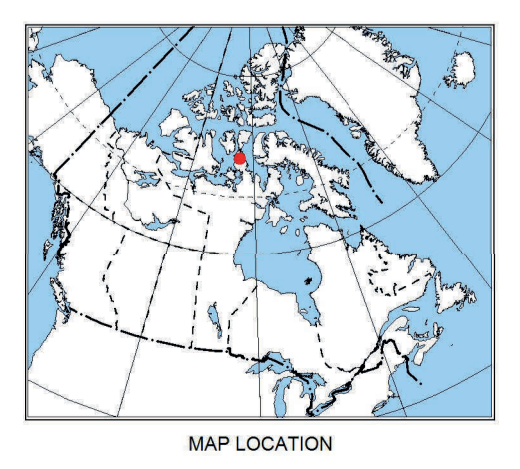
NTS 57-F/15, 16, G/1, 2 and parts of 57-F/14, G/3, 6, 7, 8

Scale 1:100 000



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Topographic data from Natural Resources Canada
Colour Intensity 100 metres

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Data acquisition, data compilation and map production by Sander Geophysics Limited, Ottawa, Ontario.
Contract and project management by the Geological Survey of Canada, Ottawa, Ontario.
Cartographic design by D. Oneschuk.
doi:10.4095/298456



AEROMAGNETIC SURVEY OF THE NORTHERN BOOTHIA PENINSULA II

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Recommended citation
Coyle, M., Boulanger, O., Tschirhart, V. and Kiss, F., 2016.
Residual Total Magnetic Field.
Aeromagnetic Survey of the Northern Boothia Peninsula II, Nunavut.
NTS 57-F/15, 16, G/1, 2 and parts of 57-F/14, G/3, 6, 7, 8.
Geological Survey of Canada, Open File 8159.
Scale 1:100 000. doi:10.4095/298456