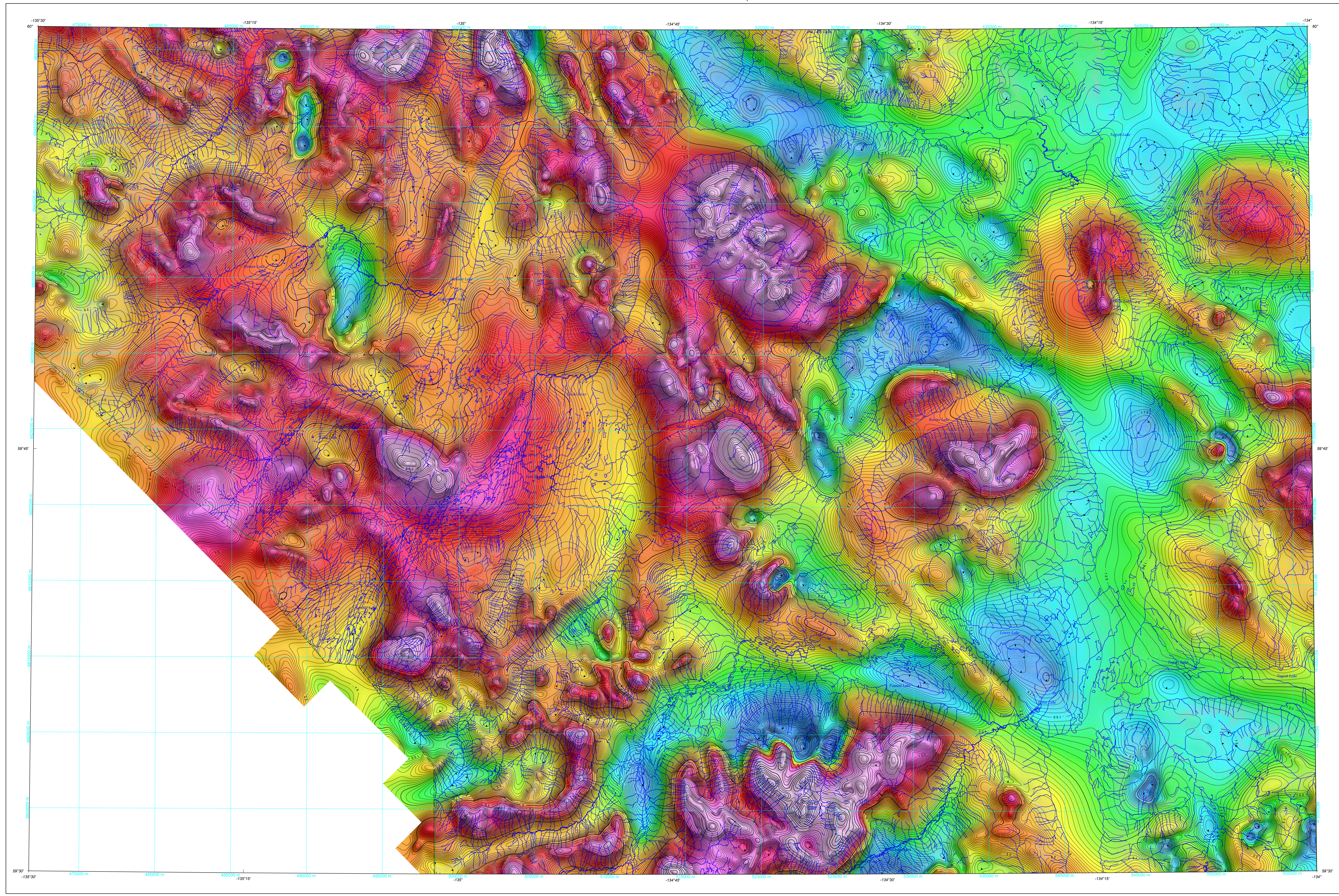




RESIDUAL TOTAL MAGNETIC FIELD

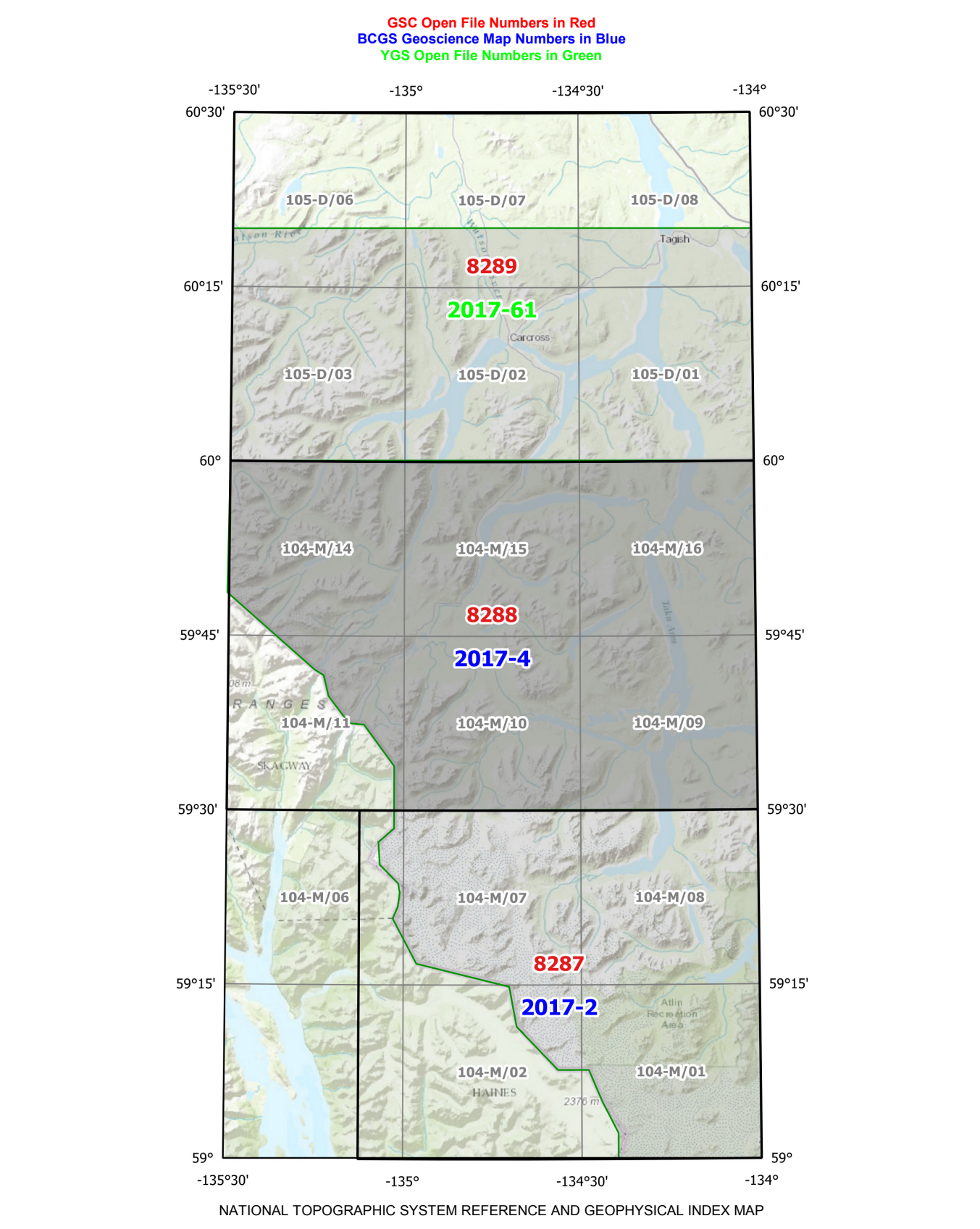
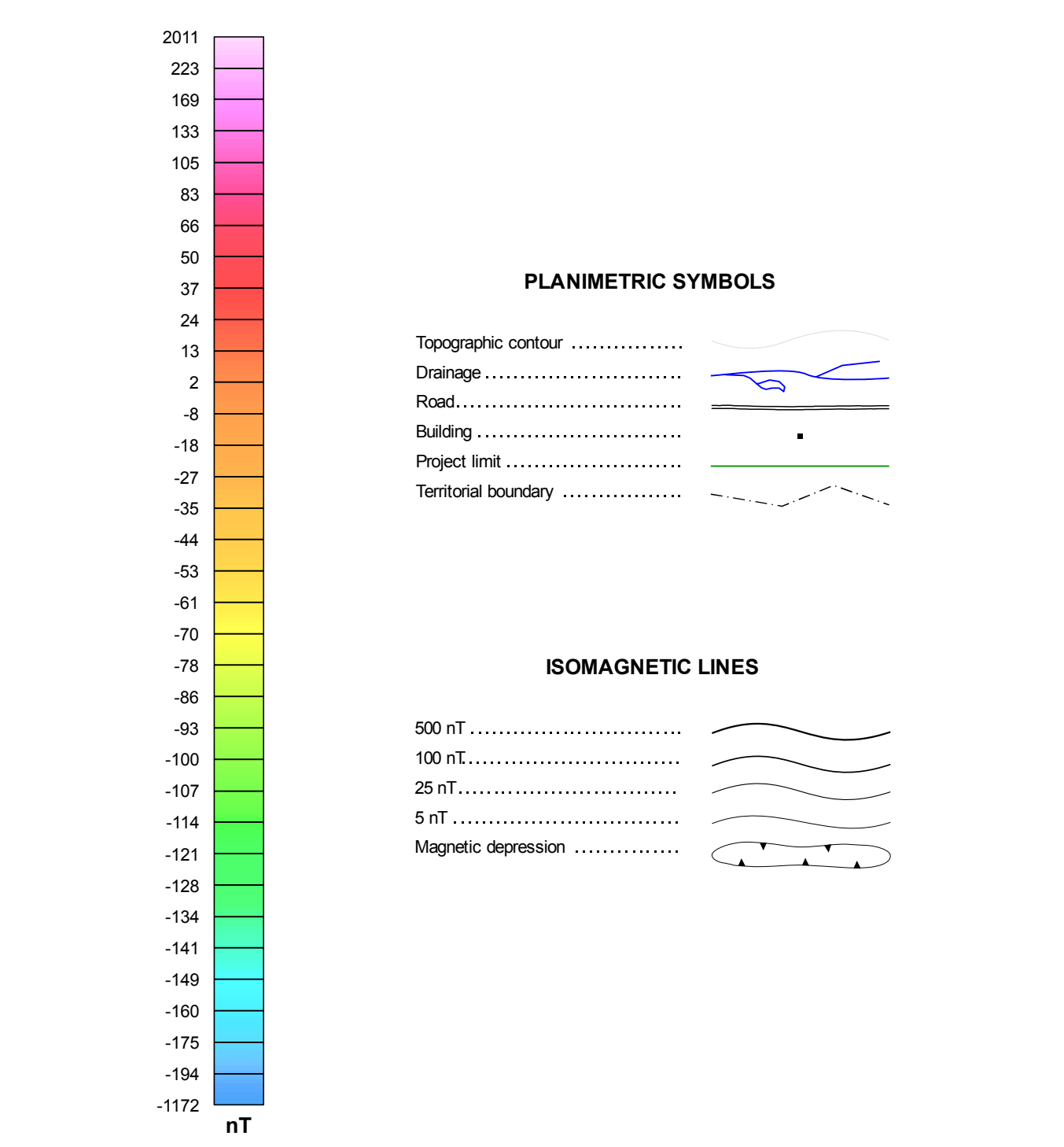


**Residual Total Magnetic Field**  
 This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by Golder Airborne Surveys from March 10, 2017 to July 6, 2017. The nominal traverse and control line spacings were, respectively, 400 m and 2400 m, and the airplane flew at a nominal terrain clearance of 150 m. Traverse lines were oriented N45 E with orthogonal control lines. The flight path was recovered following post-flight differential corrections to the raw Global Positioning System (GPS) data and inspection of ground images recorded by a critically-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 1950 m for the current mid-survey date of 2017/06/08 was 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 GEOSCEN (<http://geoscen.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 Geophysical Data at [http://gdr.agu.nrcan.gc.ca/index\\_e.html](http://gdr.agu.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) 947-3337, email: [NDCan.ctr@nrcan.gc.ca](mailto:NDCan.ctr@nrcan.gc.ca).

These data are also available for free download from the British Columbia Geological Survey, <http://www.empr.gov.bc.ca/mining/Geoscience/Pages/default.aspx>. PO Box 9333 Stn Prov Gv1, Victoria, BC V8W 9N3. Telephone: (250) 952-0372, email: [Geological\\_Survey@gov.bc.ca](mailto:Geological_Survey@gov.bc.ca).

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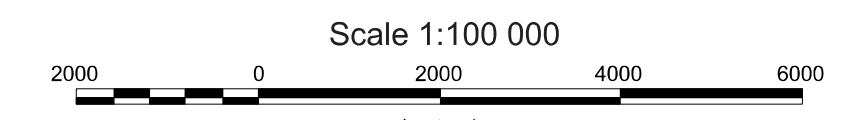
GEOLOGICAL SURVEY OF CANADA OPEN FILE 8288  
 BRITISH COLUMBIA GEOLOGICAL SURVEY GEOSCIENCE MAP 2017-4, SHEET 1 OF 2

RESIDUAL TOTAL MAGNETIC FIELD

AEROMAGNETIC SURVEY OF THE LLEWELLYN AREA

NTS 104-M/9, 10, 15, 16 and parts of 104-M/11, 14  
 BRITISH COLUMBIA

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 2017

**GEOSCIENCE MAP**  
 2017-4  
 BRITISH COLUMBIA GEOLOGICAL SURVEY  
 2017  
 Sheet 1 of 2

**MAP SHEET SUMMARY**  
 SHEET 1: MAP  
 SHEET 2: RESIDUAL TOTAL MAGNETIC FIELD  
 SHEET 3: FIRST DERIVATIVE OF THE MAGNETIC FIELD

AEROMAGNETIC SURVEY OF THE LLEWELLYN AREA

**Recommended Citation for BCOS Publication**  
 Boulanger, O. and Kiss, F., 2017. Aeromagnetic Survey of the Llewellyn Area, NTS 104-M/9, 10, 15, 16 and parts of 104-M/11, 14, British Columbia. British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Geoscience Map 2017-4 (Scale 1:100 000), Sheet 1 of 2: Residual Total Magnetic Field.

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