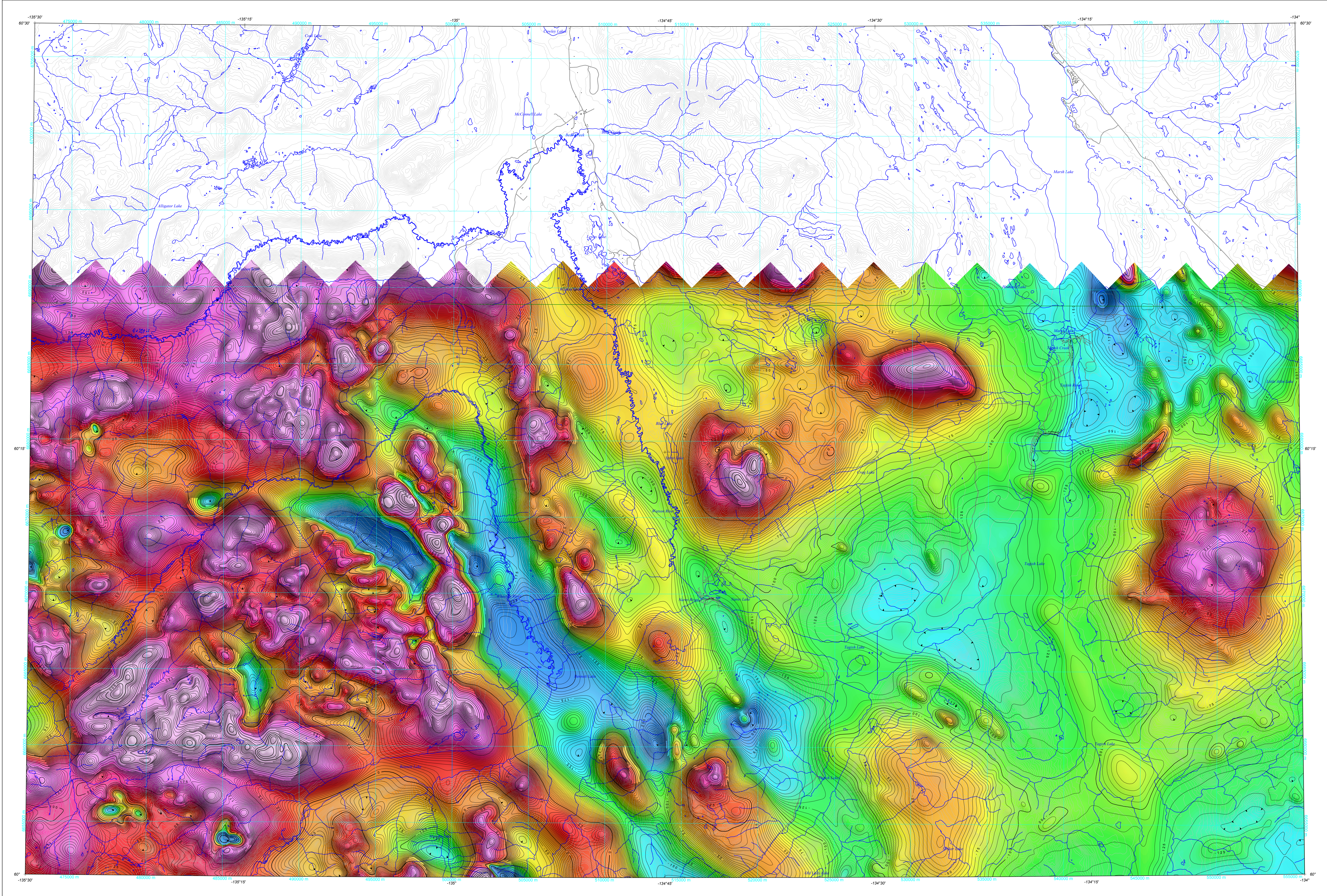


RESIDUAL TOTAL MAGNETIC FIELD



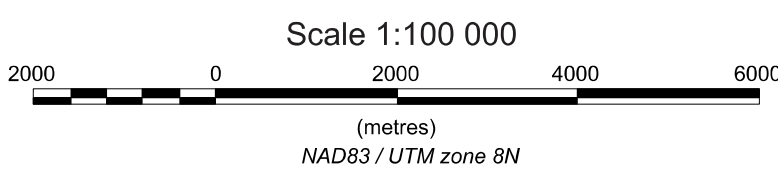
This aeromagnetic survey and the production of this map were funded by Phase 2 of the Geo-Mapping for Energy and Minerals program (GEM-2: Cordillera Project) of the Lands and Minerals Sector, Natural Resources Canada.

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RESIDUAL TOTAL MAGNETIC FIELD

AEROMAGNETIC SURVEY OF THE LLEWELLYN AREA

NTS 105-D/1, 2, 3 and parts of 105-D/6, 7, 8  
YUKON



Universal Transverse Mercator Projection  
North American Datum 1983  
Other maps of the Yukon in the right of the map are represented by the Minister of Natural Resources, 2017  
Digital topographic data from Natural Resources Canada



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Residual Total Magnetic Field

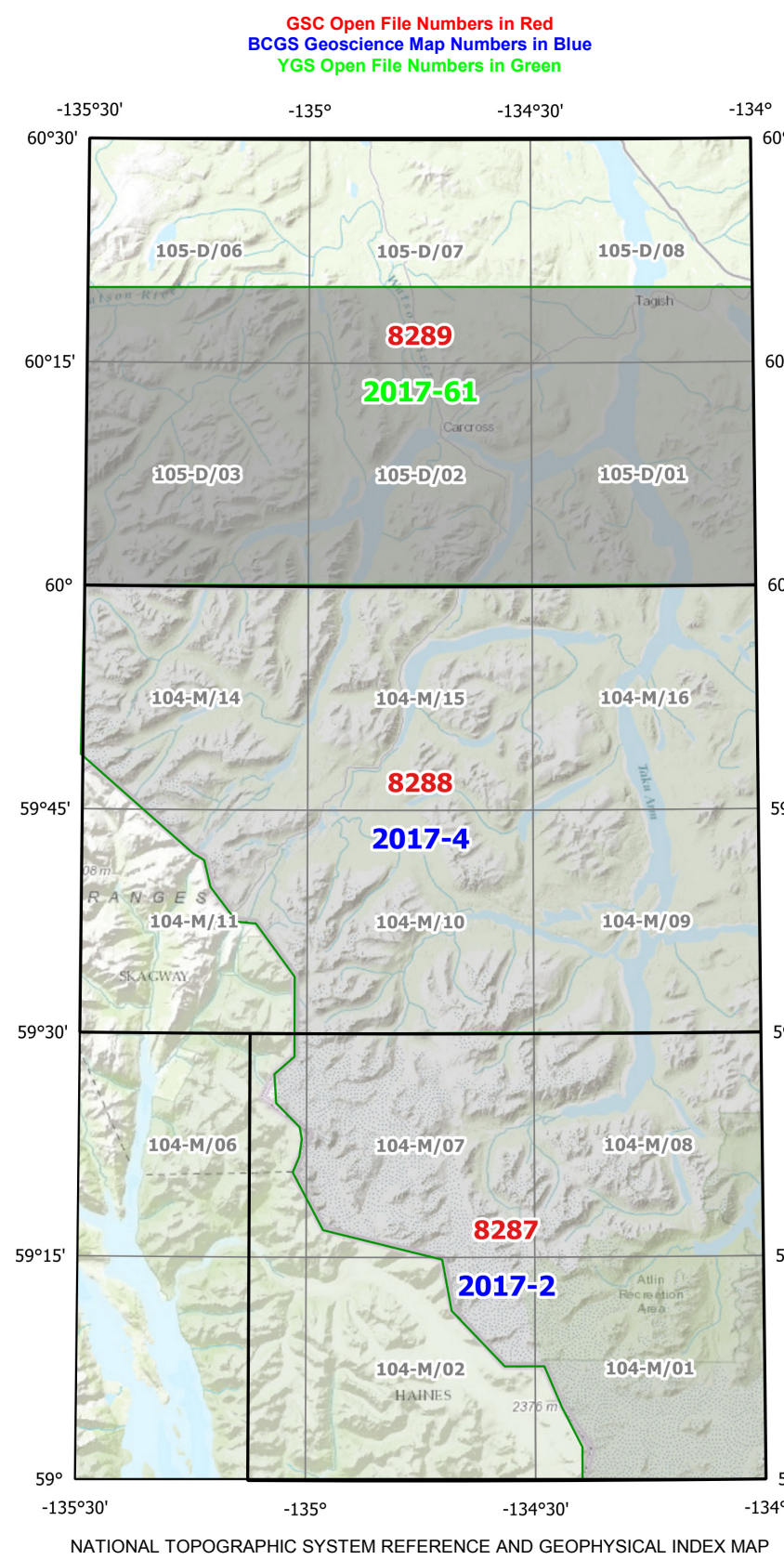
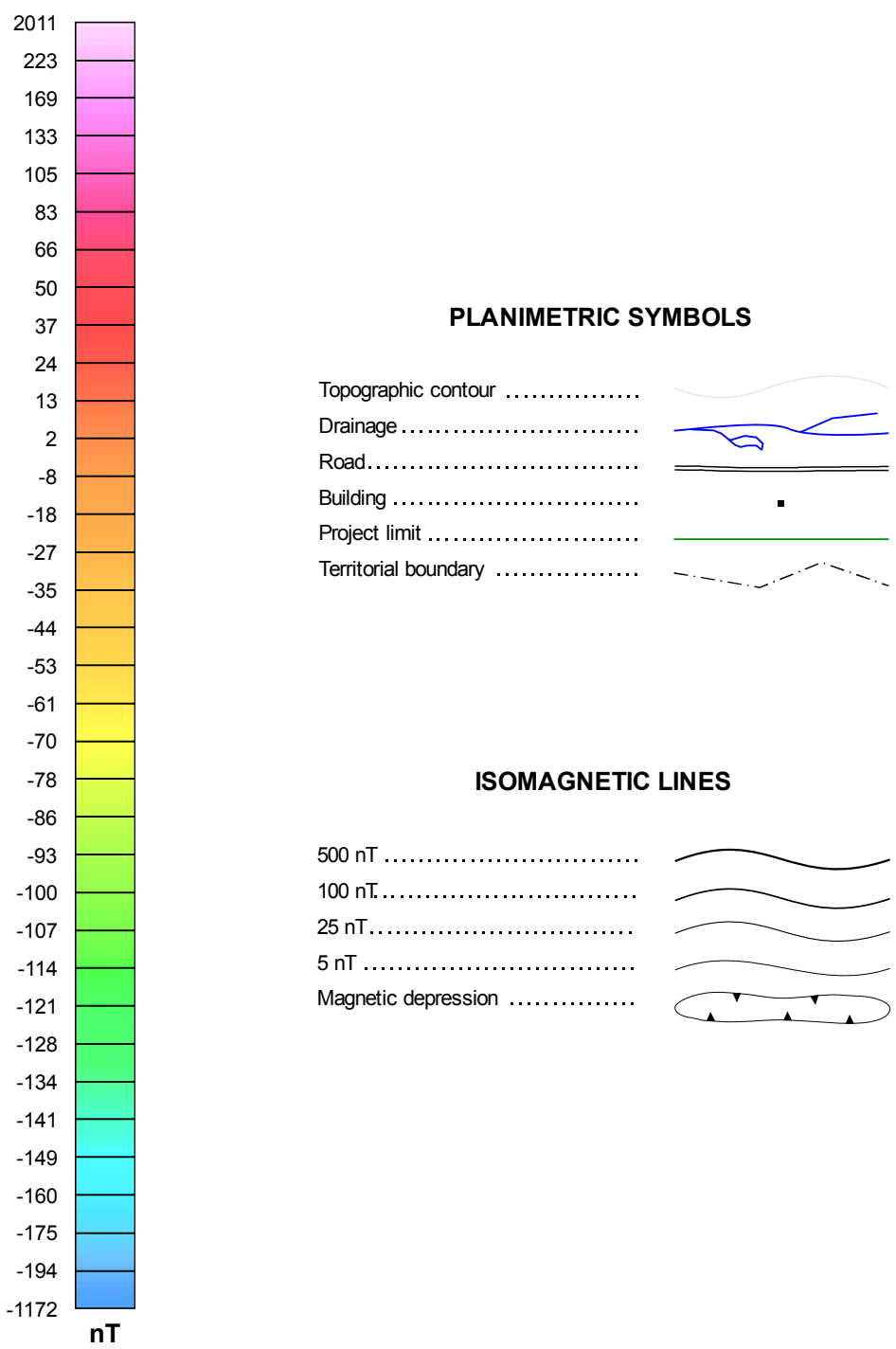
This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by Goldair Airborne Surveys from March 10, 2017 to July 6, 2017. The nominal traverse and control line spacings were, respectively, 400 m and 2400 m, and the airplane flew at a nominal 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 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 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 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 Geophysical Data at [http://gdr.agr.nrcan.gc.ca/index\\_e.html](http://gdr.agr.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) 947-3333, email: [NRCan.infopds@nrcan.gc.ca](mailto:NRCan.infopds@nrcan.gc.ca).

These data are also available for free download from the Yukon Geological Survey (<http://data.geology.gov.yk.ca/>), P.O. Box 2703 (K-102), Whitehorse, Yukon Y1A 2C6. Telephone: (867) 667-3201, email: [geology@gov.yk.ca](mailto:geology@gov.yk.ca).

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