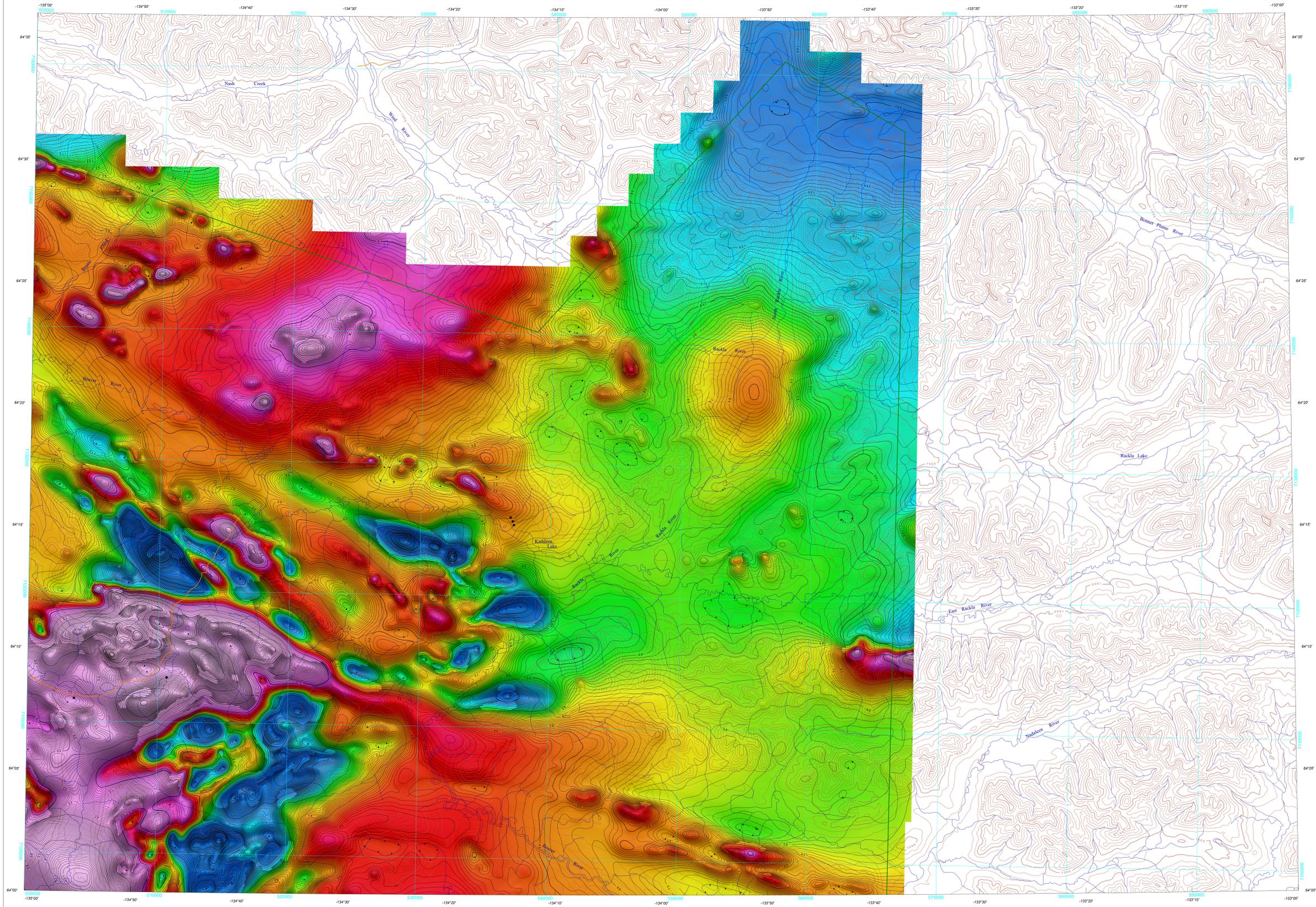


RESIDUAL TOTAL MAGNETIC FIELD

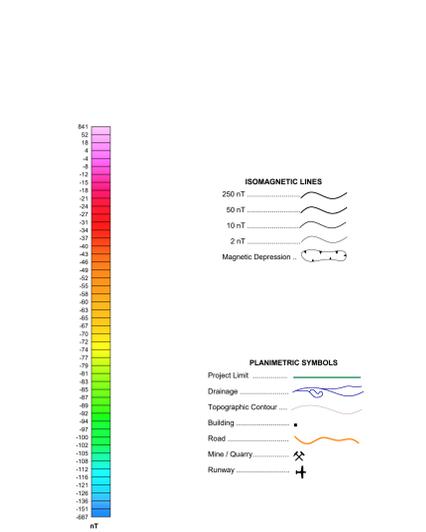


Residual Total Magnetic Field
 This map of the Residual Total Magnetic Field was derived from data acquired during an aeromagnetic survey carried out by Geo Data Solutions (GDS) Inc. from January 19, 2020 to March 28, 2020. The data were recorded using a split-beam cesium vapour magnetometer (sensitivity = 0.005 nT) mounted in the tail boom of a Beechcraft King Air aircraft (C-441RB). The nominal traverse and control line spacing were, respectively, 400 m and 2400 m, and the aircraft flew at a nominal terrain clearance of 150 m. Traverse lines were oriented N75°E with orthogonal control lines. The flight path was recovered following post-flight differential corrections to the new 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 compared against a mutually controlled set of flight line magnetic data. The leveled values were then interpolated to a 100 m grid. The International Geomagnetic Reference Field (IGRF) defined at the average GPS altitude of 150 m for the year 2020.2 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.

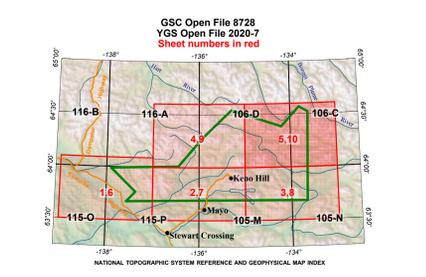
This publication is available for free download through GEOSCANS (<http://geoscans.nrcan.gc.ca>). Corresponding digital profile and gridded data as well as similar data for adjacent airborne geophysical surveys are available from Natural Resources Canada's Geoscience Data Repository for Aeromagnetic data at <http://gdr.nrcan.gc.ca>. For more information about this survey, please contact the Geophysical Data Centre, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8. Telephone: (613) 958-3200, email: residual-magnetic-field@nrcan.gc.ca.

Copies of this map may also be obtained from the Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, P.O. Box 2703 (K-102), Whitehorse, Yukon, Y1A 2C6. Telephone: (867) 667-3201, email: geology@gov.yk.ca, website: <http://www.geology.yk.ca>.

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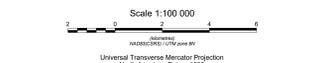
MAP SHEET SUMMARY
 Sheet 1: Residual Total Magnetic Field, parts of NTS 115-P (north half) and 116-A (south half)
 Sheet 2: Residual Total Magnetic Field, parts of NTS 105-M (north half) and 115-P (north half)
 Sheet 3: Residual Total Magnetic Field, parts of NTS 105-M (north half)
 Sheet 4: Residual Total Magnetic Field, parts of NTS 116-A (south half) and 106-D
 Sheet 5: Residual Total Magnetic Field, parts of NTS 105-C, D
 Sheet 6: First Vertical Derivative of the Magnetic Field, parts of NTS 115-P (north half) and 116-A (south half)
 Sheet 7: First Vertical Derivative of the Magnetic Field, parts of NTS 105-M (north half) and 115-P (north half)
 Sheet 8: First Vertical Derivative of the Magnetic Field, parts of NTS 105-M (north half)
 Sheet 9: First Vertical Derivative of the Magnetic Field, parts of NTS 116-A (south half) and 106-D
 Sheet 10: First Vertical Derivative of the Magnetic Field, parts of NTS 105-C, D



AEROMAGNETIC SURVEY OF THE NASH CREEK AREA YUKON

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**AEROMAGNETIC SURVEY OF THE NASH CREEK AREA
 YUKON**
 PARTS OF NTS 105-M, N, 106-C, D, 115-P AND 116-A
RESIDUAL TOTAL MAGNETIC FIELD
 PARTS OF NTS 106-C, D

Author: F. Kiss
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<p>OPEN FILE / DOSSIER PUBLIC 8728 GEOLOGICAL SURVEY OF CANADA COMMISSION GEOLOGIQUE DU YUKON 2020 SHEET 5 OF 10 FEUILLET 5 DE 10</p>	<p>Publications in this series have not been subject to peer review by the author. Les publications de cette série n'ont pas été soumises par leur auteur à un processus de révision par les pairs.</p>	<p>OPEN FILE / DOSSIER PUBLIC 2020-7 YUKON GEOLOGICAL SURVEY COMMISSION GEOLOGIQUE DU YUKON 2020 Sheet 5 of 10 / Feuille 5 de 10</p>
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