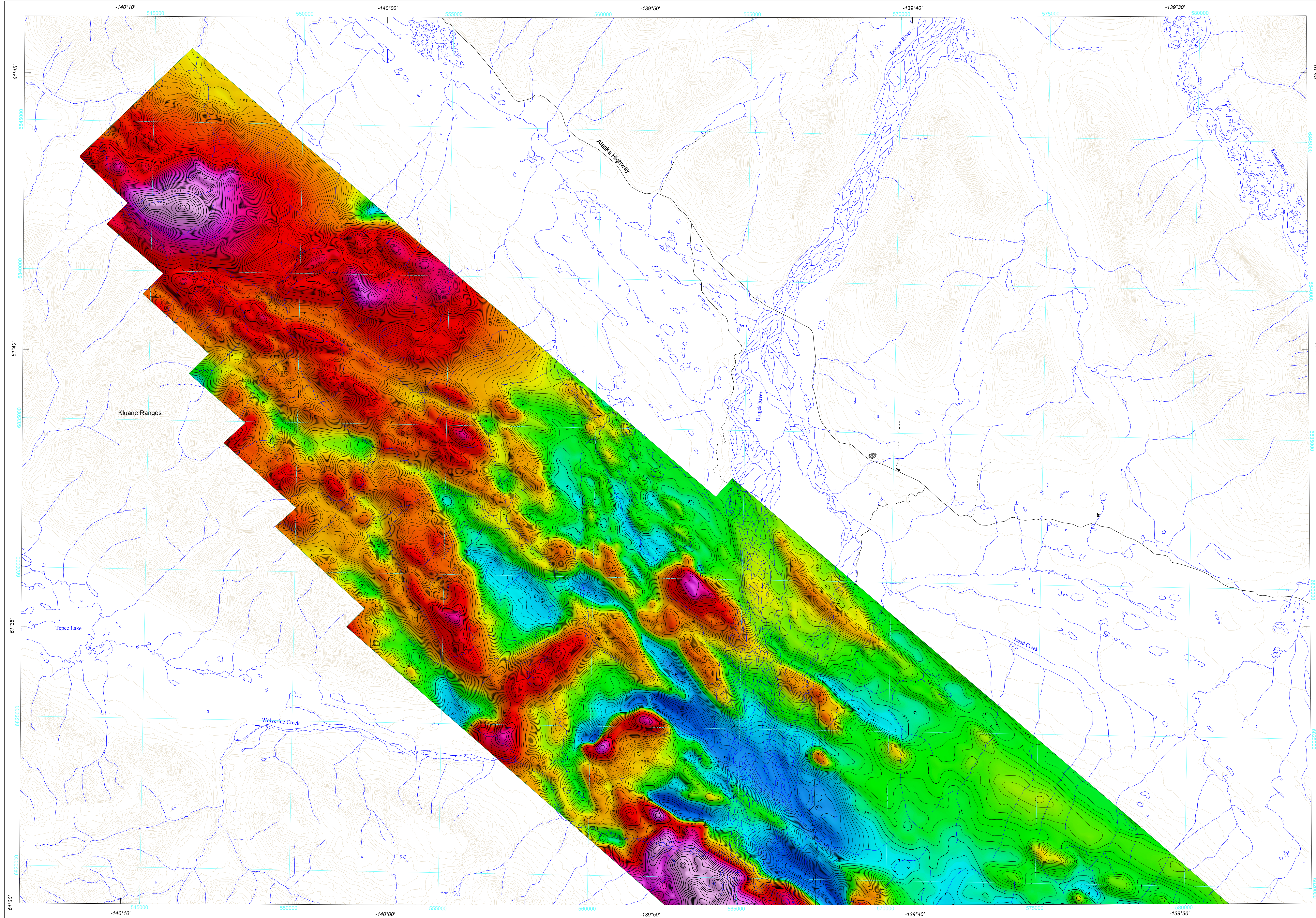
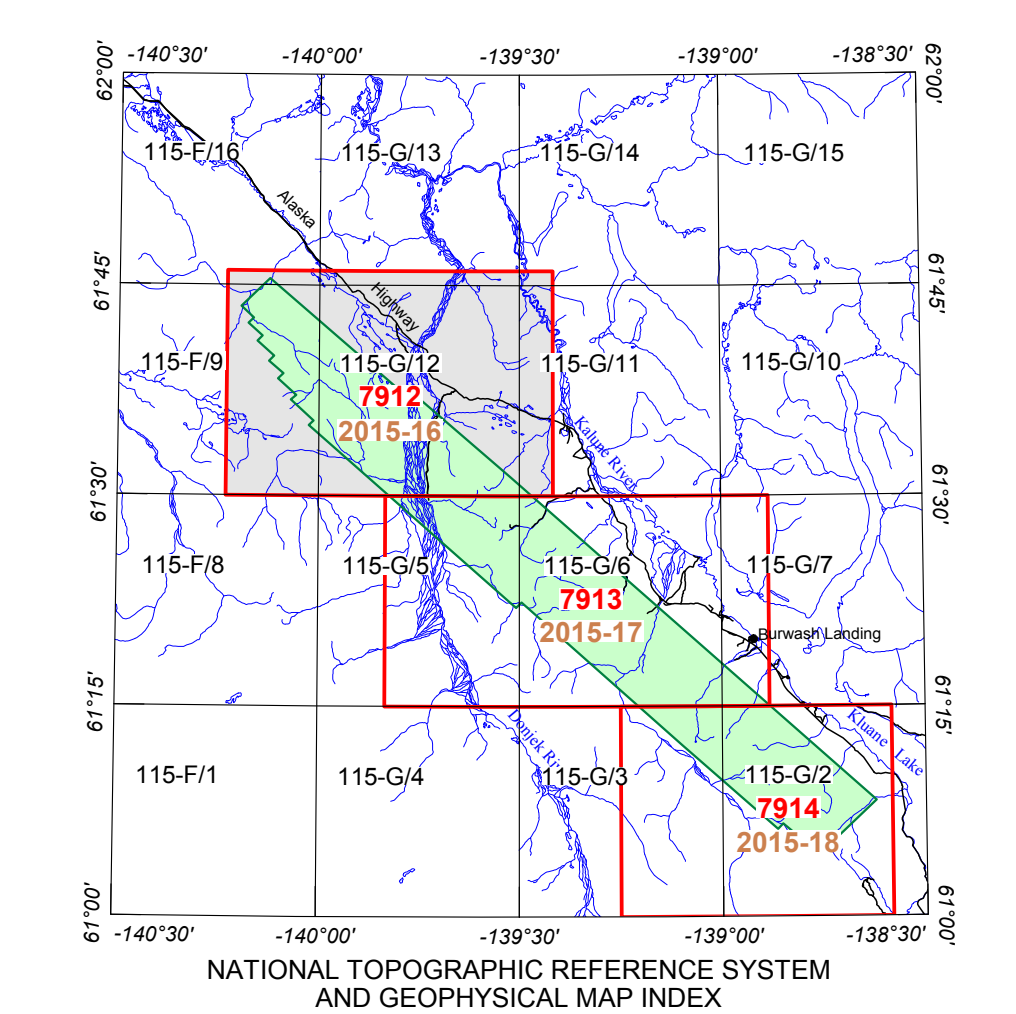
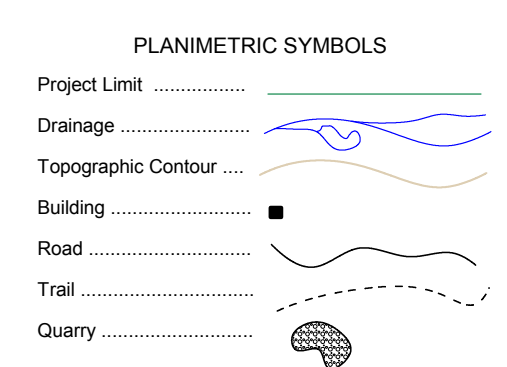
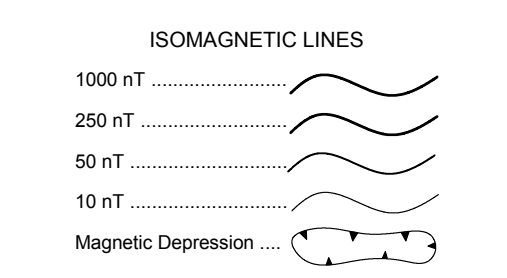
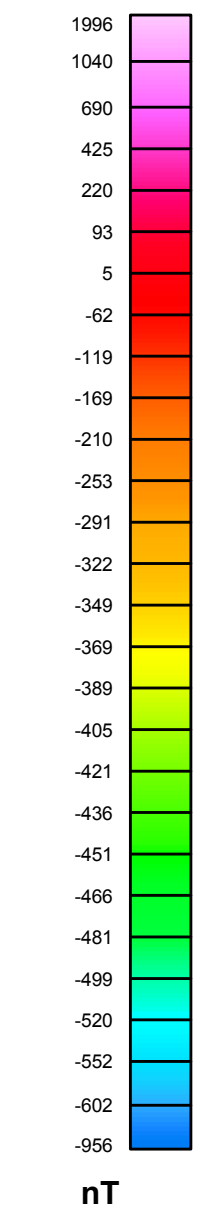


RESIDUAL TOTAL MAGNETIC FIELD



Residual Total Magnetic Field
 This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by GSC from March 6, 2015 to April 15, 2015. The data were recorded using a split-beam cesium vapour magnetometer (sensitivity = 0.005 nT) mounted in a stinger rigidity attached to an Aerospatiale AS350 helicopter (C-PMAX). The nominal traverse and control line spacings were, respectively, 250 m and 1000 m, and the aircraft flew at a nominal terrain clearance of 100 m. Traverse lines were oriented NE-SW 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-analyzed to obtain a mutually-levelled set of flight-line magnetic data. The levelled values were then interpolated to a 50 m grid. The International Geomagnetic Reference Field (IGRF) defined at the average GPS altitude of 350 m for the year 2015.23 was then removed. Removal of the IGRF, representing the magnetic field of Earth's core, produces a residual component related almost entirely to magnetizations within Earth's crust.



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Digital versions of this map are 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 can be downloaded, at no charge, from Natural Resources Canada's Geospatial Data Repository for Geophysical Data at http://gdp.nrcan.gc.ca/index_a.html. The same products are also available, for a fee, from the Geophysical Data Centre, Geological Survey of Canada, 615 Booth Street, Ottawa, Ontario K1A 0E9. Telephone: (613) 995-5326; email: info@geoscan.nrcan.gc.ca

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 Project management and map production by the Geological Survey of Canada, Ottawa, Ontario.
 doi:10.4095/296745

RESIDUAL TOTAL MAGNETIC FIELD
KLAUANE LAKE WEST AEROMAGNETIC SURVEY

YUKON
 NTS 115-G/12 and parts of 115-G/11, 13, 14 and 115-F/9, 16

Scale 1:50 000
 WGS 84 / UTM zone 7N



KLAUANE LAKE WEST AEROMAGNETIC SURVEY

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