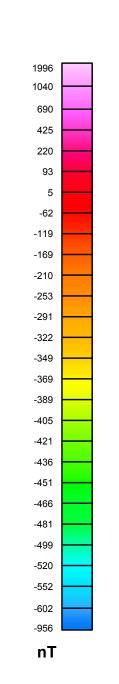


Residual Total Magnetic Field

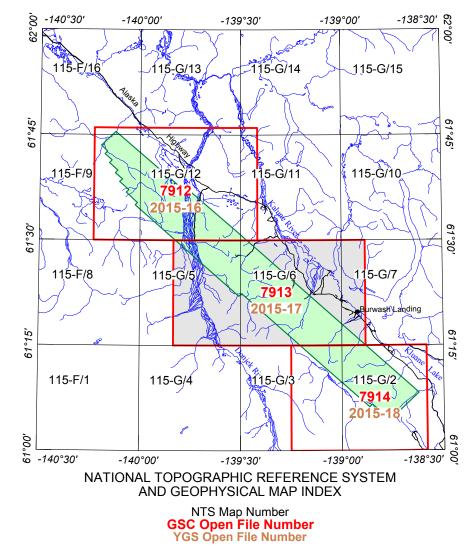
This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by CGG from March 6, 2015 to April 15, 2015. The data were recorded using a split-beam cesium vapour magnetometer (sensitivity = 0.005 nT) mounted in a stinger rigidly attached to an Aerospatiale AS350 helicopter (C-FKMX). 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-analysed 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 393 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.



ISOMAGNETIC LINES 1000 nT ..... 

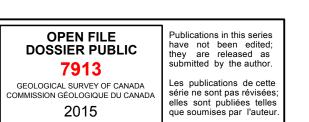
PLANIMETRIC SYMBOLS

Trail .....



KLUANE LAKE WEST AEROMAGNETIC SURVEY

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Yukon Geological Survey, Open File 2015-17;
scale 1:50 000. doi:10.4095/296749



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