

and 2005, Fugro Airborne Surveys completed nine multi-sensor airborne geophysics surveys in the central region of British Columbia for the Geological Survey of Canada, the B

γ-ray Spectrometric Data Measurements were made with an Explicon GM920 gamma-ray spectrometer using nine $102 \times 102 \times 406$ mm NaI (Tl) crystals. The main detector array consisted of eight crystals (total volume 33.6 litres). One crystal (total volume 4.2 litres), shielded by the other crystals, was used to detect variations in background radiation caused by atmospheric radon. A computer continuously monitored the natural potassium peak for each crystal and using a Gaussian fit algorithm, calculated the ratio for each crystal.

data using nine $102 \times 102 \times 406$ mm NaI (Ti) crystals. The main detector array consists of nine crystals arranged in a 3×3 grid. Each crystal is shielded by the

Potassium (^{40}K) 1360 - 1560 keV
 Uranium (^{234}Bq) 1000 - 1090 keV
 Thorium (^{208}Tl) 2410 - 2810 keV

Potassium 57.3 cps/% (2004) 58.9 cps/% (2005)
Uranium 5.7 cps/ppm (2004) 5.4 cps/ppm (2005)
Thorium 3.6 cps/ppm (2004) 3.7 cps/ppm (2005)

Data

The magnetometer was equipped with a Siroflex CS-2 cesium vapour magnetic sensor mounted in a high-resolution single sensor ring magnetometer system. The system recorded readings at a resolution with a noise level of less than 0.01 nT. Magnetic interferences caused by aircraft were compensated using an RMS AADCII Magnetic compensator. Diurnal variations were recorded using a Fugro CF1 base station.

As in the magnetic values were computed, analyzed and manually verified to obtain a robust The International Geomagnetic Reference Field was calculated and removed


Data – Sampling and direction for survey and control lines were selected for each block to ensure detection of local geological features. Terrain clearance was monitored by radar altimetry. Data were recorded using a dual frequency Novatel Millennium system. GPS ground stations combined with airborne GPS data to produce differentially corrected positional data with accuracy of 2 to 5 m.

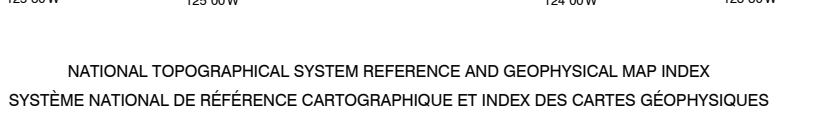
Areas and volumes were calculated for each grid and compared with map information to create postscript plot files, which were plotted using HP DesignJet colour plotters.

100 nT

Planimetric Symbols	
Topographic Contour	_____
Drainage	_____

Topographic Contour
Drainage

Flight lines, Isodual 



2006: Geophysical Data - NTS 80N/8, 80O/5 - Sylvester Creek, British Columbia;
Geological Survey of Canada, Open File 5289;
scale 1:50 000.