

**Magnetic Gradient and Radiometric Survey**

**Search Project Phase II**

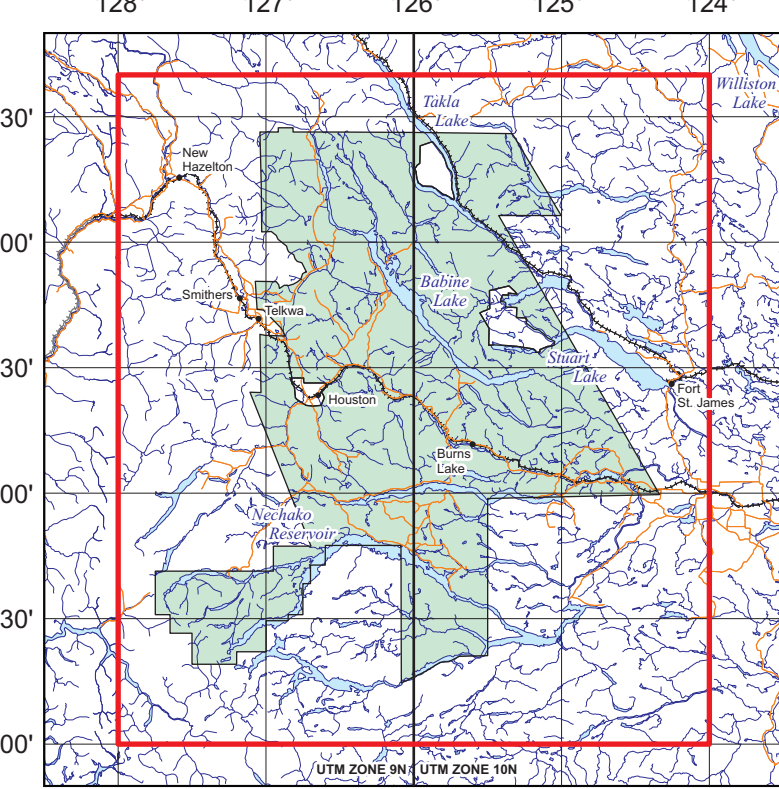
**British Columbia - 2016**

**Geoscience BC Map 2017-03-20**

**AIR ABSORBED DOSE RATE (nGy/h)**

**Legend**

- Hydrography .....  
Elevation contour .....  
Roads .....  
Trails .....  
Railway .....  
Pipelines .....  
Power transmission line .....  
Built-up area / Settlement .....  
Airfield .....  
Mine .....



Map Index

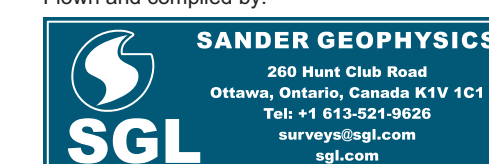
**Survey and Processing Specifications**

Traverse Line Spacing	250 m
Traverse Line Direction	along bearing: 90° - 270°
Control Line Spacing	2500 m
Control Line Direction	along bearing: 0° - 180°
Aircraft Altitude	80 m above drupe (WGS84)
Flying Speed	120 knots
Magnetometer Sensor	Geomatrix G-822, cesium split beam
Magnetometer Sensitivity	0.01 nT
Magnetometer Sample Rate	10 Hz
Spectrometer	Exploranium GR-820
Spectrometer Crystal Volume	50.4 litres downward, 8.4 litres upward
GPS Receiver	72 channel NovAtel OEMV3
Aircraft	Cessna Grand Caravan 208B (3): C-GSGL, C-GSGV, and C-GSGW
Magnetic Inclination at 54.5°N, 126.0°W	73.505°
Magnetic Declination at 54.5°N, 126.0°W	18.314°
Total Magnetic Field	55980.0 nT
GPS Ground Station 1 (WGS-84)	54°14'21.6188"N, 125°46'24.0776"W, 701,5700 m
GPS Ground Station 2 (WGS-84)	54°10'55.3698"N, 125°43'07.8811"W, 749,8733 m
GPS Ground Station 3 (WGS-84)	54°48'13.1486"N, 127°11'17.5321"W, 513,9100 m
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Date Flown	July 7 - October 11, 2016
Grid Cell Size	50 m
IGRF Model	2015
Datum	CSRS (2014)
Projection	BC Albers Equal Area

Scale 1 : 500 000  
km 10 0 20 40 km

Datum: CSRS (2014) Projection: BC Albers Equal Area  
Base map derived from Canada NTS 1 : 250 000 scale shape files.

Flown and compiled by:



Air Absorbed Dose Rate (nGy/h)

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