



**Magnetic Gradient and Radiometric Survey**  
**Search Project Phase II**  
**British Columbia - 2016**

**Geoscience BC Map 2017-03-26**

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

**Legend**

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

**Flight Lines**

- Line direction
- Line number
- Segment number
- Line number

**Map Index**

**Survey and Processing Specifications**

Traverse Line Spacing	250 m
Traverse Line Direction	along bearing 90° - 270°
Control Line Spacing	2000 m
Control Line Direction	along bearing 0° - 180°
Altitude	80 m above terrain (MGS4)
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	Trimble Novatel OEM73
Magnetic Inclination at 54°N, 126°W	73.55°
Magnetic Declination at 54°N, 126°W	83.31°
Total Magnetic Field	55980.0 nT
GPS Ground Station 1 (WGS-84)	54°14'21.6188"N, 126°49'24.0776"W, 792.5700 m
GPS Ground Station 2 (WGS-84)	54°10'53.3688"N, 126°43'07.8811"W, 749.5733 m
GPS Ground Station 3 (WGS-84)	54°49'13.1688"N, 127°11'23.5511"W, 513.5100 m
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Data Flown	July 7 - October 11, 2016
Grid Cell Size	50 m
CRF Model	CRF 2015
Date	2016
Projection	UTM 8N UTM 10N

Flown and compiled by: **SAMBER GEOPHYSICS**  
SGL  
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Air Absorbed Dose Rate (nGy/h)