

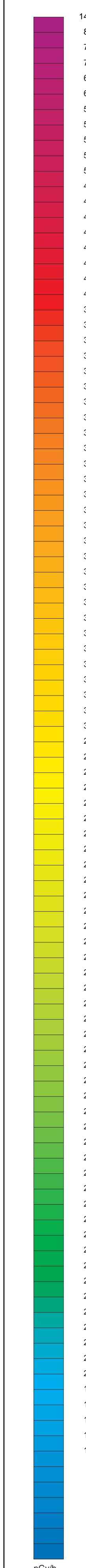
Magnetic Gradient and Radiometric Survey

Search Project Phase II

British Columbia - 2016

Geoscience BC Map 2017-03-28

AIR ABSORBED DOSE RATE (nGy/h)

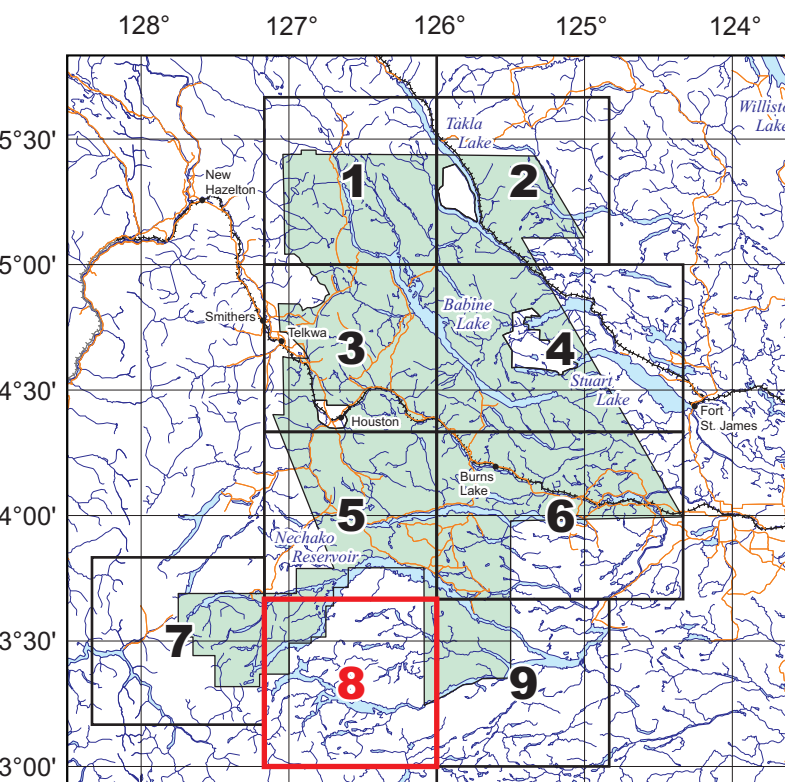


Legend

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

Flight Lines

- Line direction
- Right-right 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	2500 m
Control Line Direction	along bearing: 0° - 180°
Aircraft Altitude	80 m above drupe (WGS84)
Flying Speed	120 knots
Magnetometer Sensor	Geometrics G-822, cesium split beam
Magnetometer Sensitivity	0.01 nT
Magnetometer Sample Rate	10 Hz
Spectrometer	Exploranium GR-501
Spectrometer Crystal Volume	50.4 litres downward; 8.4 litres upward
GPS Receiver	72 channel NovAtel OEM7C
Aircraft	Cessna Grand Caravan 208B (3) C-GSGQ, C-GSGV, and C-GSGW
Magnetic Inclination at 54.5°N, 126.0°W	73.30°
Magnetic Declination at 54.5°N, 126.0°W	18.314°
Total Magnetic Field	55880.0 nT
GPS Ground Station 1 (WGS-84)	54°14'21.6186"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 6733 m
GPS Ground Station 3 (WGS-84)	54°49'13.1489"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	UTM 8N/UTM 10N

Flown and compiled by:



Air Absorbed Dose Rate (nGy/h)
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