

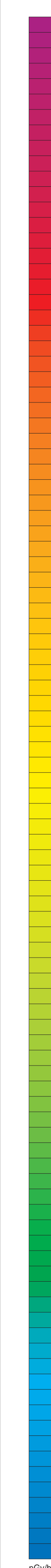
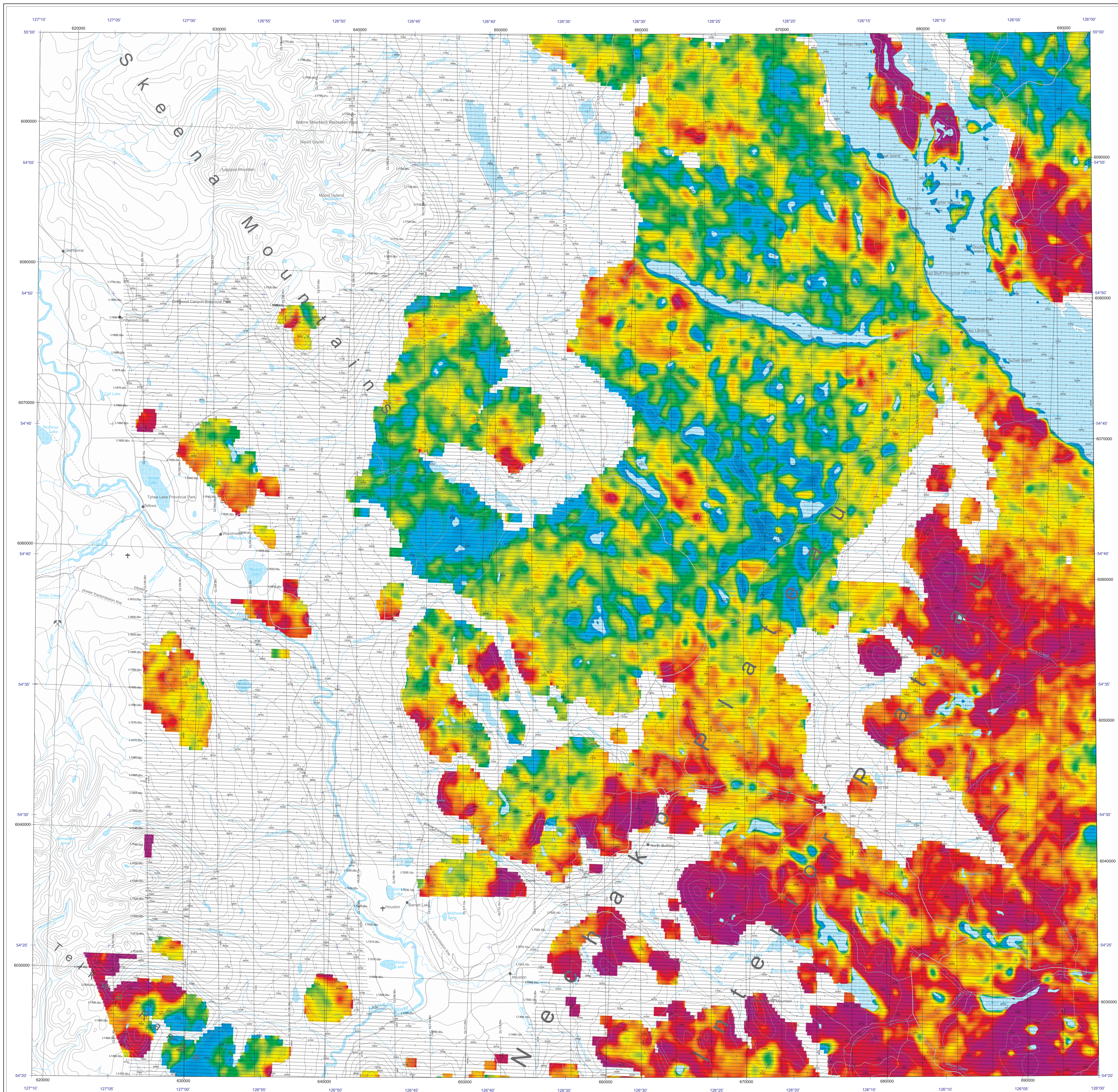
**Magnetic Gradient and Radiometric Survey**

**Search Project Phase II**

**British Columbia - 2016**

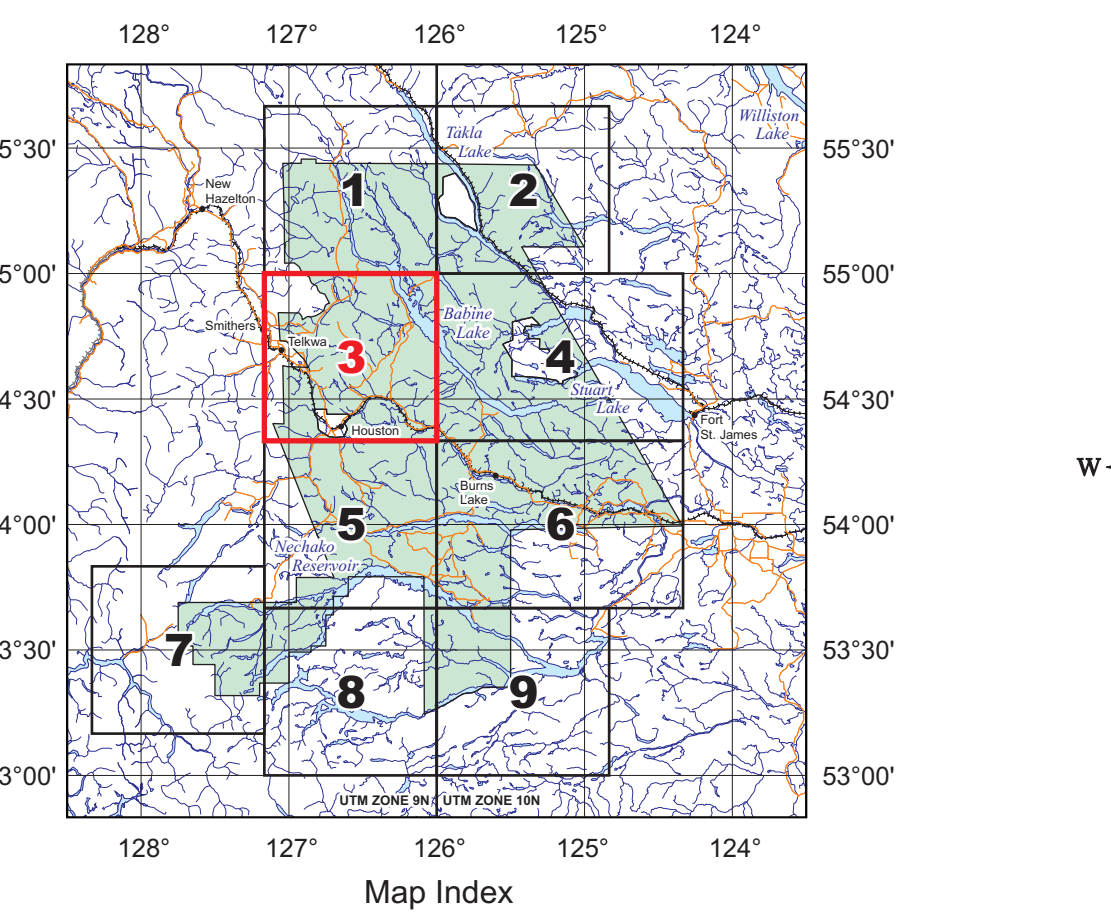
**Geoscience BC Map 2017-03-23**

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



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

- Flight Lines**
- Line direction
  - Line number
  - Segment number



**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-400
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	18.31°
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°10'55.3696"N, 125°43'07.8811"W, 749.8733 m
GPS Ground Station 3 (WGS-84)	54°49'13.1486"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	UTM 8N/UTM 10N

Scale 1 : 100 000

km 2 0 8 km  
Data: CSRS (2014) Projection: Universal Transverse Mercator (UTM Zone 8N)  
 Base map derived from Canada NTS 1:250 000 scale shape files