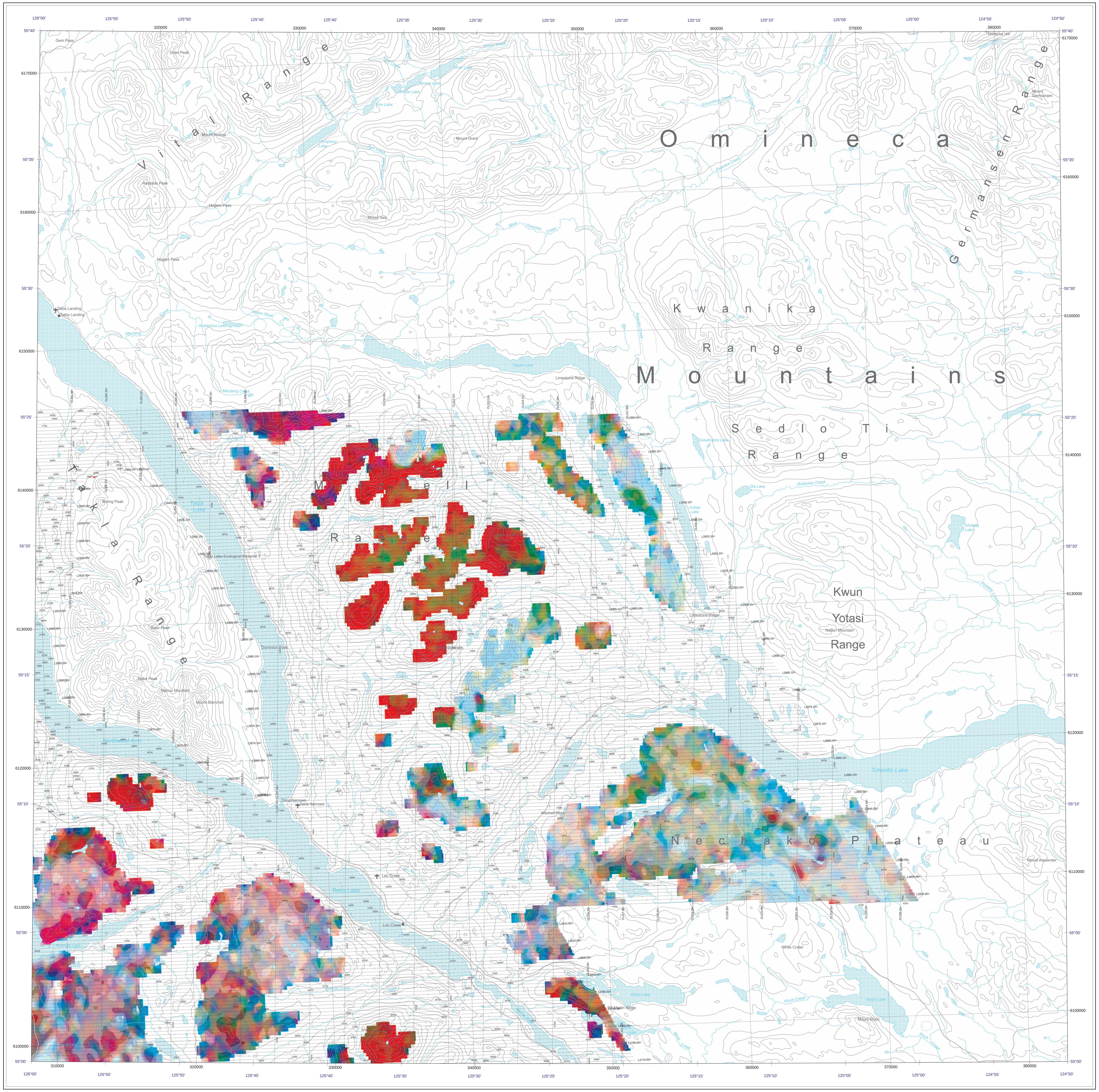


Geoscience BC

Geoscience BC is an independent, non-profit organization that generates earth science in collaboration with First Nations, local communities, government, academia and the resource sector. Our independent earth science enables informed resource management decisions and attracts investment and jobs. Geoscience BC gratefully acknowledges the financial support of the Province of British Columbia.

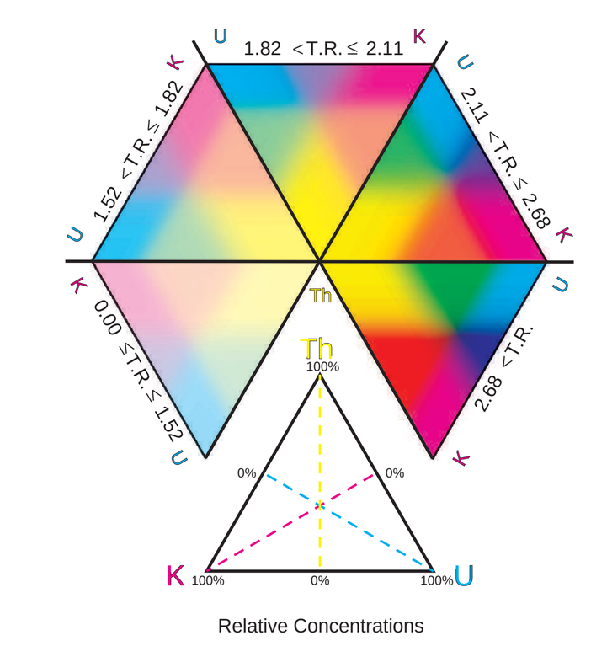
Magnetic Gradient and Radiometric Survey

Search Project Phase II

British Columbia - 2016

Geoscience BC Map 2017-03-32

RADIOMETRIC TERNARY

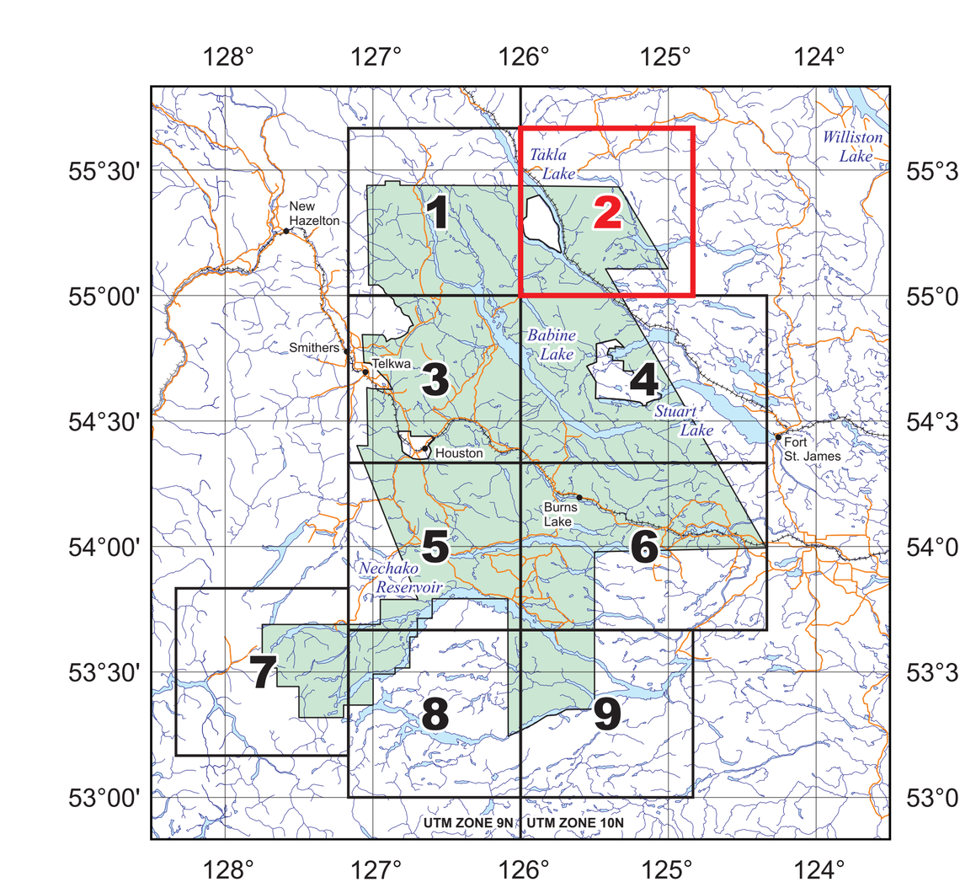


Legend

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

Flight Lines

L1410.00>
41250
Fiducial
Line direction
Re-flight 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 drape (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-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°14'21.6186"N, 125°46'24.0776W, 701.5700 m
GPS Ground Station 2 (WGS-84) . . . 54°10'55.3698"N, 125°43'07.8811W, 749.8733 m
GPS Ground Station 3 (WGS-84) . . . 54°49'13.1486"N, 127°11'17.5321W, 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 9N/UTM 10N

Scale 1 : 100 000

km 2 0 4 8 km

Datum: CSRS (2014) Projection: Universal Transverse Mercator (UTM Zone 10N)
Base map derived from Canada NTS 1 : 250 000 scale shape files.

Flown and compiled by:

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Radiometric Ternary

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British Columbia - 2016