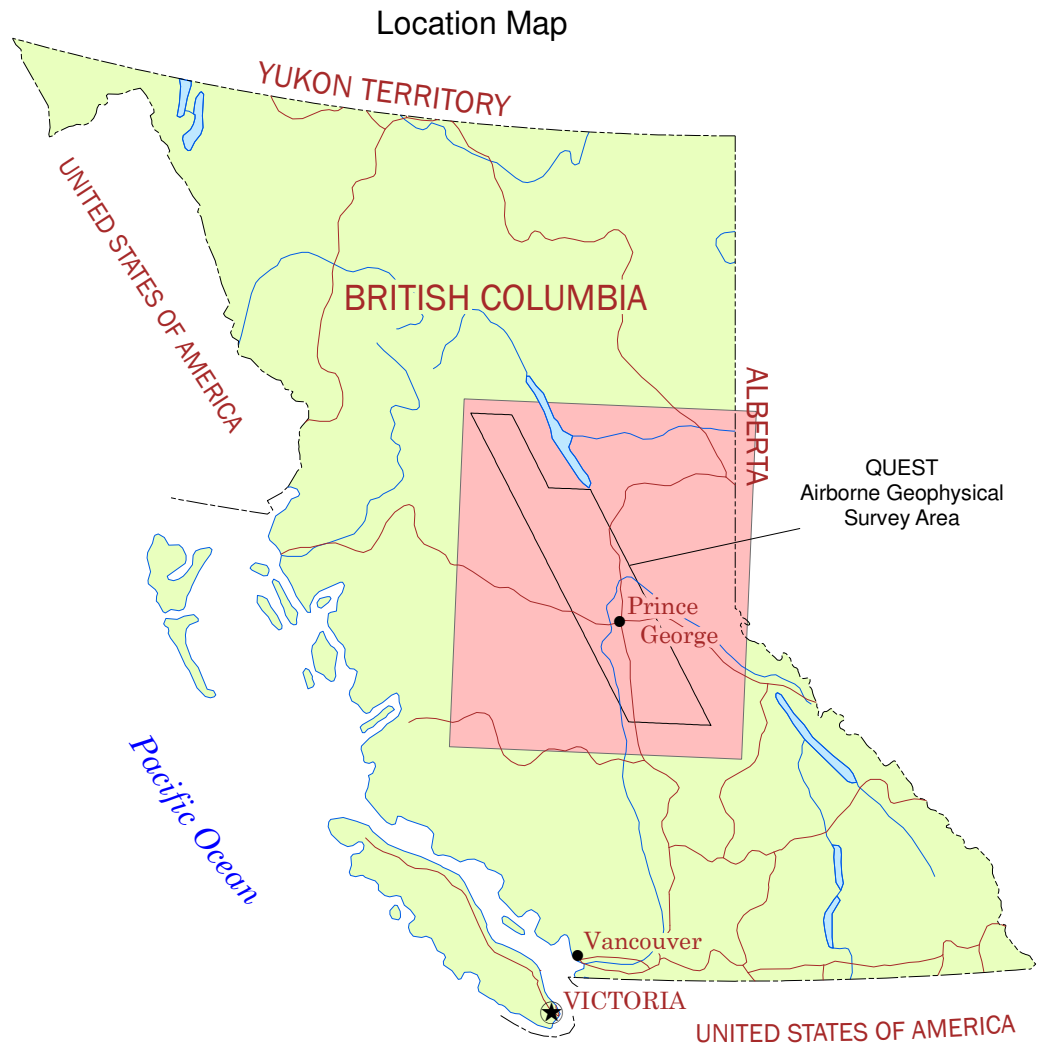


Disclaimer: While every effort has been taken to ensure the accuracy of the information in this map, the data are provided on an "as-is" basis, without any warranty, guarantee or representation of any kind, whether expressed or implied. It is the responsibility of the user to check the facts before entering any financial or other commitment based upon this information.

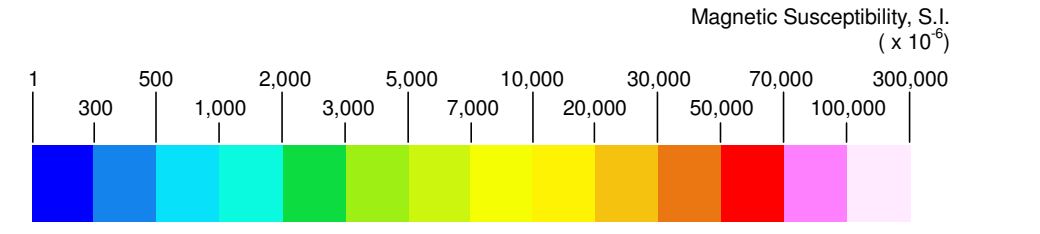


National Topographic System Index

15M SPATCO BENT 15A BURNER LAKE	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER
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85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER	85M DOUGLASS RIVER

Legend

- Airborne Geophysical Survey Area
- Provincial boundary
- Railroad (unclassified)
- Road (unclassified)
- Mineral deposit (selected)
- Populated place (unclassified)



QUEST Geophysics 3D Inversion Analysis - Airborne Magnetic Interpretation - Sea Level Susceptibility Slice

The QUEST Airborne Magnetic were inverted by Mira Geoscience for Geoscience BC using the UBC smooth model inversion algorithm Mag3D. This map presents a plan slice through the 3D magnetic susceptibility model at sea level.

The inversion process has produced a 3D block model of magnetic susceptibility for the project area. The user should be aware that the model was computed using 500m x 500m x 250m blocks. A small, blocky highly magnetic feature will be smoothed over several blocks when it reports to the model, so it will look like a larger, smooth, lower valued susceptibility anomaly. The model shown here is a regional result, computed from regional data.

The data used was acquired from several sources, merged, and then processed by Mira Geoscience. Included are magnetic data from the GSC data archives, and data from the Geotech VTEM survey flown on behalf of Geoscience BC over the project area.

The underlying digital data for this map is available for download at the Geoscience BC website. There is a full 3D block model from which a user may extract any section or plan slice of interest. Also, to extract specific magnetic anomalies in greater detail, the user is referred to the 2007 Geotech VTEM which is also available from the Geoscience BC website and to the GSC data archives. The Geotech VTEM survey contains low level magnetic data collected concurrently with the VTEM data on a 4 km line spacing.

Note that the magnetic susceptibility of a rock is generally directly related to its magnetic content. Thus geological units containing above normal amounts of magnetic will report to this model as regions of higher magnetic susceptibility.

Data Analysis

Mira Geoscience Ltd (2009). QUEST Project: 3D inversion modelling, integration, and visualization of airborne geophysical magnetic, and electromagnetic data. BC, Canada: Geoscience BC Report 2009-15, 87 p.

VTEM Data

GBC QUEST Project Team (2008). QUEST Project VTEM Data and Report, Geoscience BC, 2008-4

Aeromagnetic Data

Canadian Aeromagnetic Data Base, Regional Geophysics Section, GSC - Central Canada Division, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada, 2005

Topographic Data

Massey, N.W.D., MacIntyre, D.G., Desjardins, P.J., and Cooney, R.T. (2005). Digital Geology Map of British Columbia: Whole Province. B.C. Ministry of Energy and Mines, Geofile 2005-1.

Data Sources

Geoscience BC: Ministry of Energy, Mines and Petroleum Resources
www.geosciencebc.com
www.empr.gov.bc.ca/mining/geoscience
Natural Resources Canada
gdbinfo.sgg.nrcan.gc.ca

Acknowledgments

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Image processing by Peter Kowalczyk, Geoscience BC
Geophysical 3D inversion analysis by Mira Geophysics Ltd. - www.mirageophysics.com
Geoscience BC is funded through grants from the Provincial Government of British Columbia.
QUEST is funded in partnership with the Northern Development Initiative Trust - www.nditrust.ca



Geoscience BC is an industry-led, industry-focused not for profit society that works to attract mineral and oil and gas investment to British Columbia through collection and marketing of geoscience data.

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MAP 2009-15-2

GEOPHYSICS - 3D INVERSION ANALYSIS

Airborne Magnetic Interpretation - Sea Level Susceptibility Slice

QUEST PROJECT

1:250 000 NTS SHEETS 82M, 83D,E,L,M, 84D; 92M,N,O,P; 93D,E,L,M AND 94A,B,C,D

PART OF 1:250 000 NTS SHEETS 82M, 83D,E,L,M, 84D; 92M,N,O,P; 93D,E,L,M AND 94A,B,C,D

1:500,000

0 5 10 15 20 30 40 50 kms

Universal Transverse Mercator Projection, Zone 10
Horizontal Datum: North American Datum 1983

Mean magnetic declination 2009: 10°15' E, increasing 16" annually. Readings vary from 17°42' E in the southeast corner to 20°14' E in the northwest corner of the map.

September 16, 2009

Citation:
Geoscience BC (2009). QUEST Project - Geophysics - 3D Inversion Analysis: Airborne Magnetic Interpretation - Sea Level Susceptibility Slice; Geoscience BC, Map 2009-15-2, scale 1:500,000.