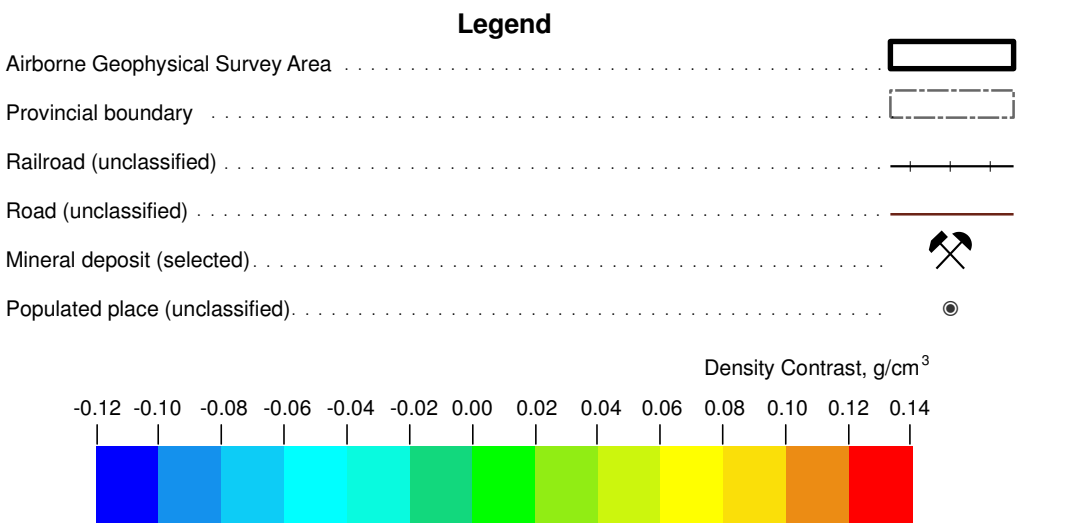


Disclaimer: While every effort has been taken to ensure the accuracy of the information in this map, the data are provided on an "as is" basis, without any warranty, guarantee or representation of any kind, whether expressed or implied. It is the responsibility of the user to check the facts before entering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



National Topographic System Index

15M SPATIST BAY	08E DOUGLASS RIVER	08E WILHELM RIVER	08E TROCH RIVER	08E BATHY RIVER	08E CHIRCHWA RIVER
15A BURNER LAKE	08C MCCONNELL CREEK	08C WILHELM RIVER	08C CHIRCHWA RIVER	08C CLEAR LAKE	08C CLEAR LAKE
08P NILES RIVER	08P HAZELTON RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER
08P TROCH RIVER	08P WILHELM RIVER	08P WILHELM RIVER	08P TROCH RIVER	08P DOUGLASS RIVER	08P DOUGLASS RIVER



QUEST Geophysics 3D Inversion Analysis - Airborne Gravity Interpretation - Sea Level Density Slice

The QUEST Airborne Gravity were inherited by Mira Geoscience for Geoscience BC using the UBC smooth model inversion algorithm Grav03. This map presents a plan slice through the 3D density model.

Note that the inversion algorithm produces a model of density contrast above and below a norm. For practical purposes a norm of 0.47 g/cm³ can be used with this model. Also, the user should be aware that the model was computed using 500m x 500m x 250m blocks. A small, blocky high density feature will be smoothed over several blocks when reports to the model, as well as look like a larger, smooth, lower valued density anomaly. The model shown here is a regional result, computed from regional data.

The data was acquired by Sander Geophysics using the AIRGRAV airborne gravity system. Flight line traverses were EW across the survey area. Flight lines were 2km apart and followed UTM Northings divisible by 2000 metres. Some more detailed data was acquired using 1km flight line traverses around the Gibraltar, Cariboo Bell and Mount Miligan deposits.

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.

Data Analysis

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

Airborne Gravity Data

GBC QUEST Project Team (2008). QUEST Project Gravity Data and Report, Geoscience BC, 2008-8.

Topographic Data

Massey N.W.D., MacInyre, 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, Geotitles 2005-1.

Data Sources

Geoscience BC
www.geosciencebc.com

Ministry of Energy, Mines and Petroleum Resources
www.empr.gov.bc.ca/mining/geoscience

Acknowledgments

Cartography by Flon Ma, Geoscience BC

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.

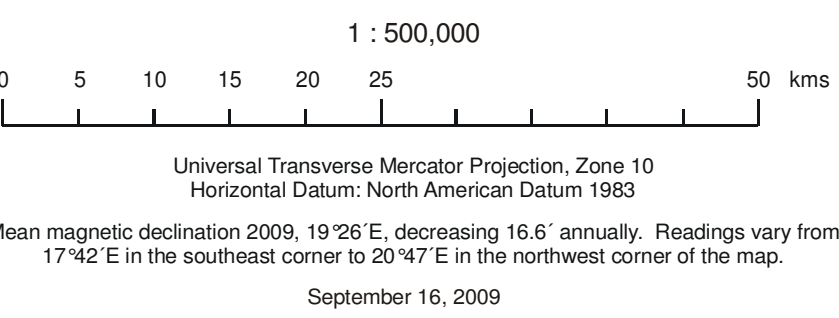
www.geosciencebc.com

MAP 2009-15-1

GEOPHYSICS - 3D INVERSION ANALYSIS
Airborne Gravity Interpretation - Sea Level Density Slice

QUEST PROJECT

1:250 000 NTS SHEETS 93A,B,C,F,G,H,I,J,K,N,O,P
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



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