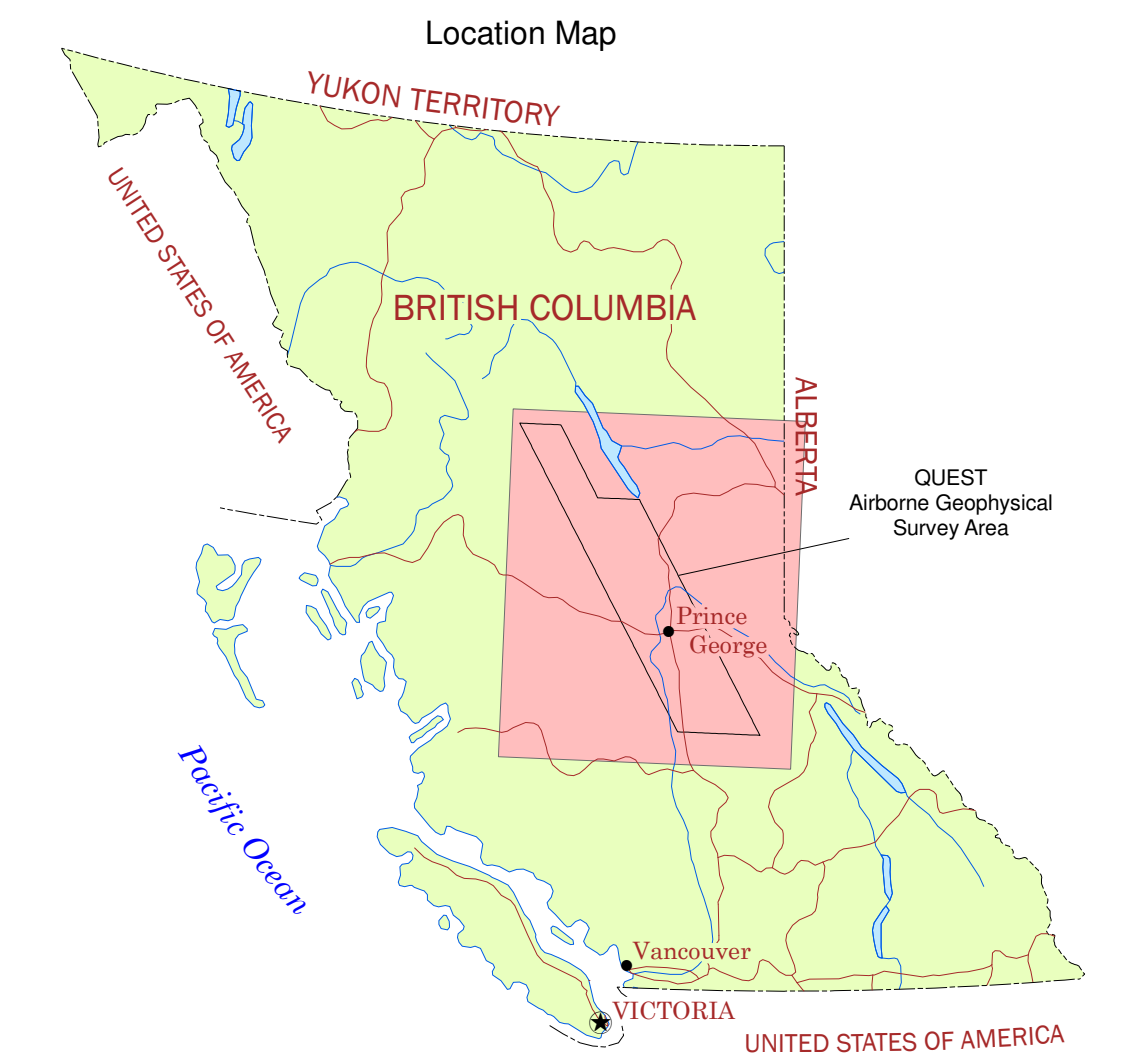
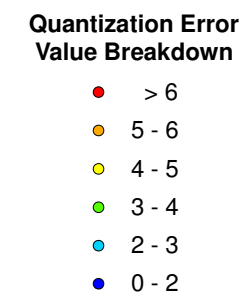
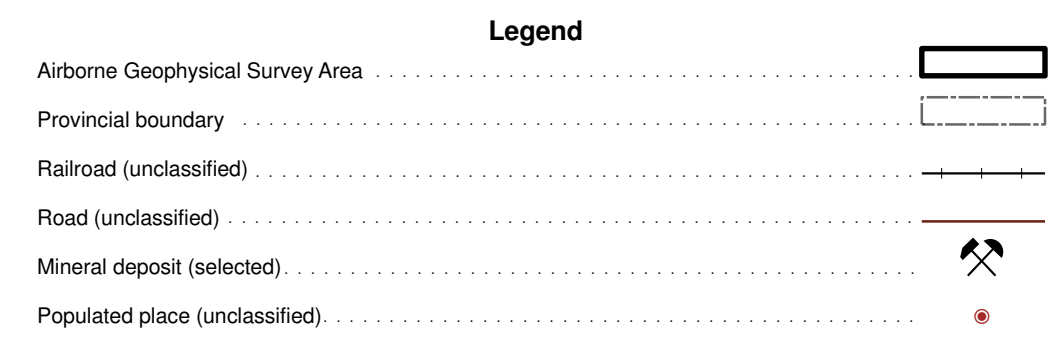
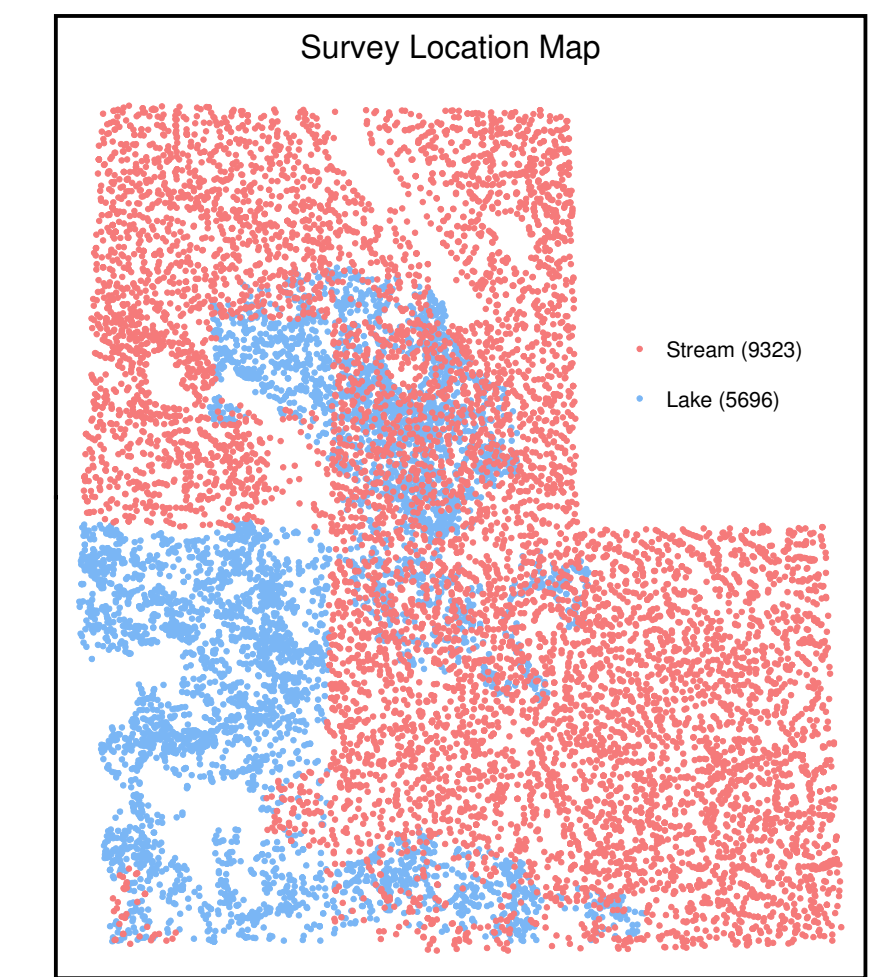


Disclaimer: While every effort has been taken to ensure the accuracy of the information in this map, the data are provided on an "as is" basis, without any warranty, guarantee or representation of any kind, whether expressed or implied. It is the responsibility of the user to check the facts before entering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



National Topographic System Index

Table with 6 columns and 6 rows of National Topographic System Index codes (e.g., 82M, 83D, 92M, 93D, 94A).



QUEST Geochimistry CSIRO SOM Analysis - Quantization Error

The leveled and imputed element grids (Barnett and Williams, 2009) were intersected by the sample locations and the values assigned to the sample point. Note, missing element values have been imputed.

The SiroSOM procedure assigns each sample to a best-matching unit (BMU) and samples that are similar tend to be assigned to either the same BMU or nearby BMUs that are close on the self-organizing map.

The Quantization Error (QER) is a measure of how similar a sample is to the BMU vector that represents it. The larger a QER value, the more of an outlier (anomalous) that sample is. However, large QER values (anomalies) may be caused by either an increased or reduced presence of particular elements (variables); hence care is needed in its interpretation. Generally, the QER shows anomalous trends that need to be identified. The process compensates for changes in the thresholds of anomalous for individual elements in different geological background chemistries.

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Topographic Data
Massey, N.W.D., Mackintosh, D.G., Desjardins, P.J. and Cooney, R.T. (2006): Digital Geology Map of British Columbia: Whole Province. B.C. Ministry of Energy and Mines, Geofiles 2006-1.

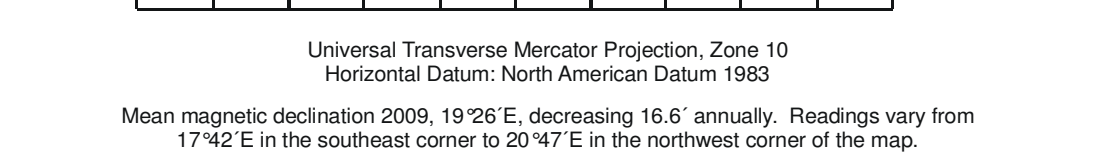
Data Sources
Geoscience BC: Ministry of Energy, Mines and Petroleum Resources
www.geosciencebc.com
www.empr.gov.bc.ca/mining/geoscience

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Numerical analysis by CSIRO, Australia - www.csiro.au
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MAP 2009-14-02
GEOCHEMISTRY - CSIRO SOM ANALYSIS
Quantization Error - Global Anomalism of Geochemical Samples
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
1:500 000



Universal Transverse Mercator Projection, Zone 10
Horizontal Datum: North American Datum 1983
Mean magnetic declination: 2008: 1976 E, decreasing 14.6 E annually. Readings vary from 17°42' E in the southeast corner to 20°47' E in the northwest corner of the map.
September 16, 2009

Citation:
Geoscience BC (2009): QUEST Project - Geochemistry - CSIRO SOM Analysis: Quantization Error - Global Anomalism of Geochemical Samples. Geoscience BC, Map 2009-14-02, scale 1:500,000.

GEOCHEMISTRY - CSIRO SOM ANALYSIS