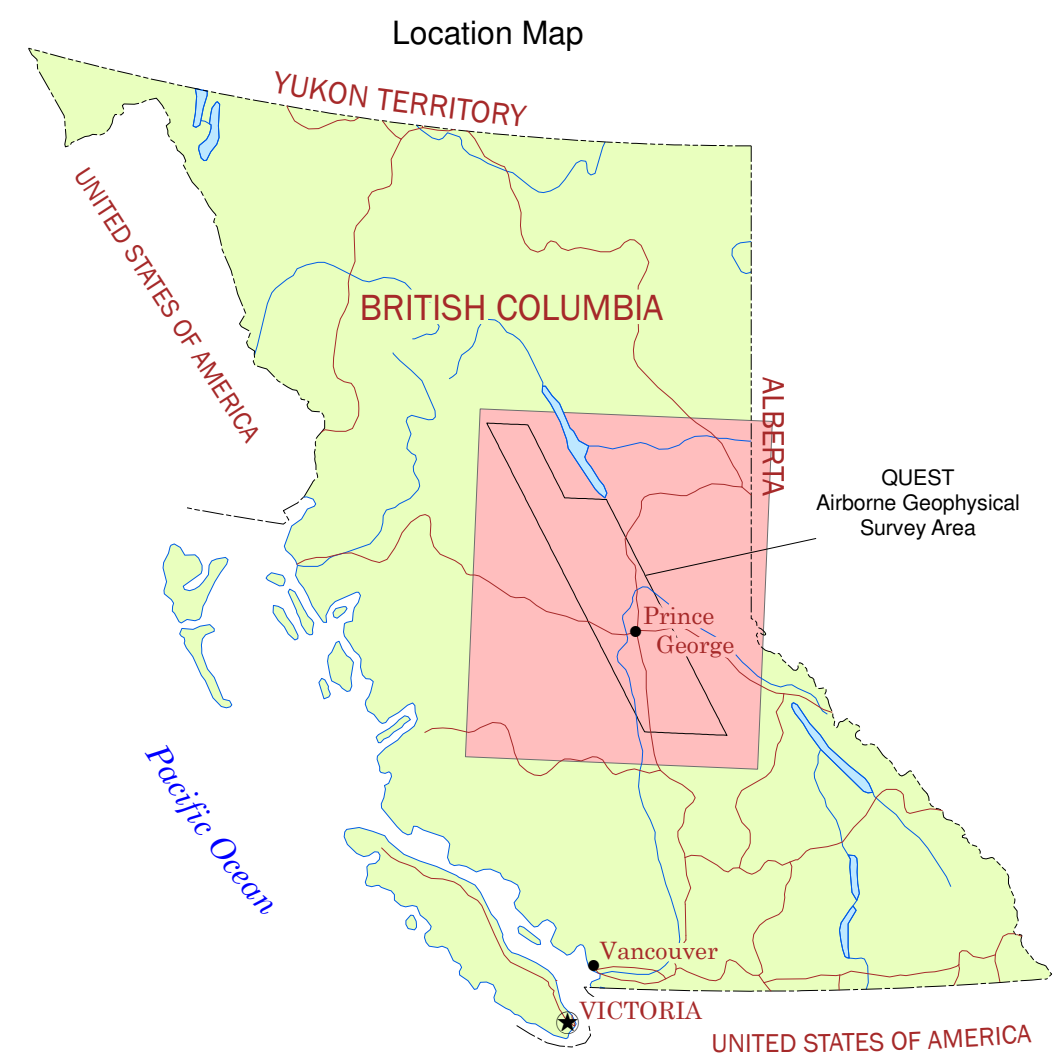
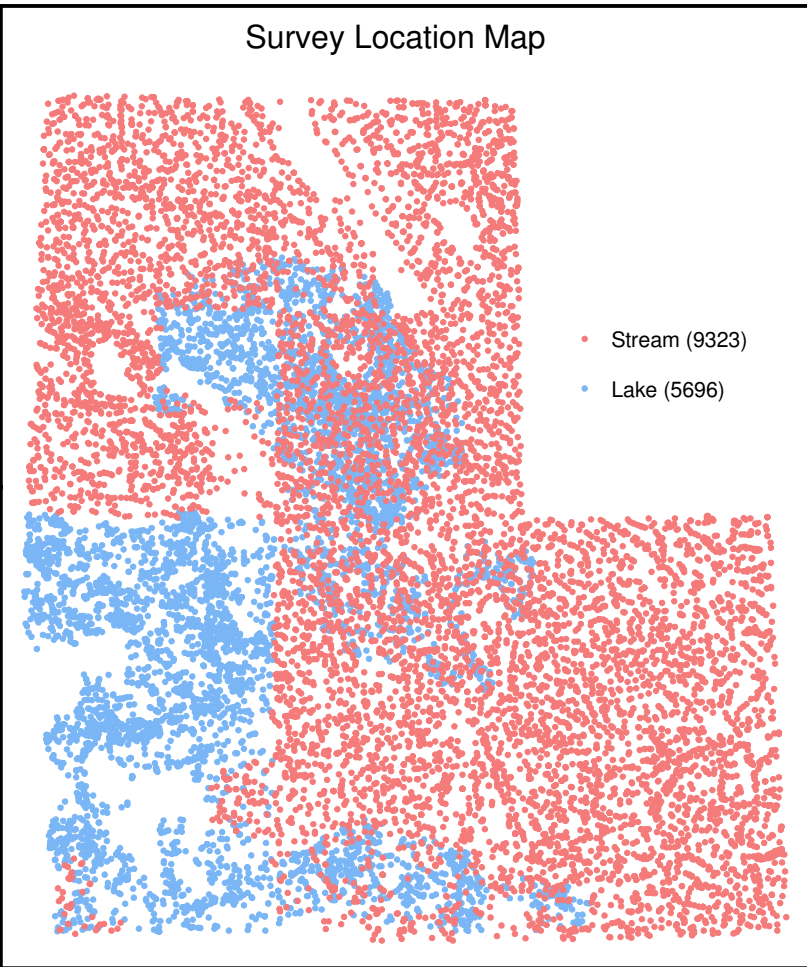


Disclaimer: While every effort has been taken to ensure the accuracy of the information in this map, the data are provided on an "as is" basis, without any warranty, guarantee or representation of any kind, whether expressed or implied. It is the responsibility of the user to check the facts before entering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

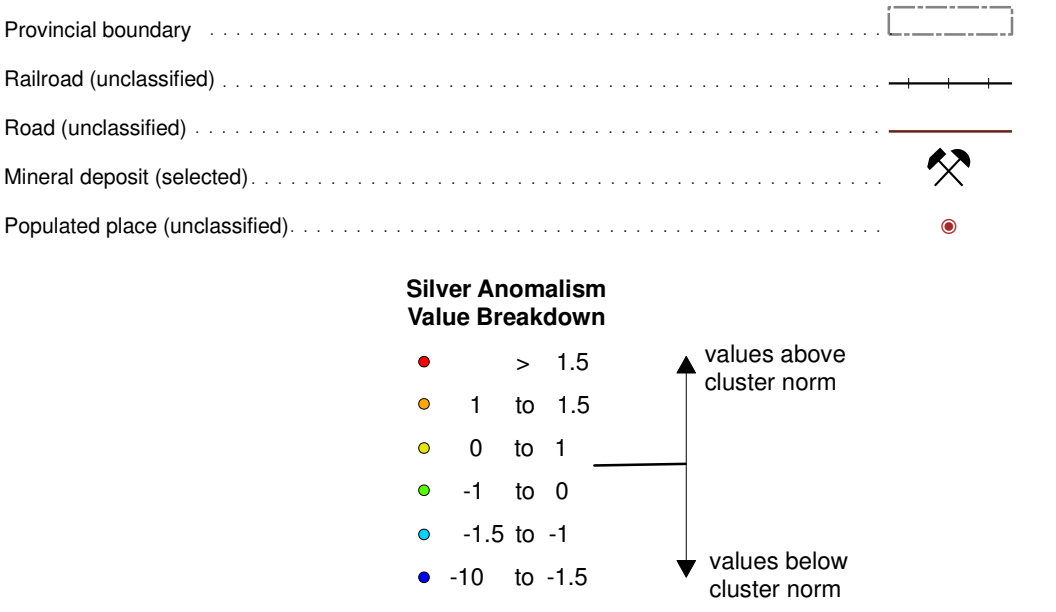


National Topographic System Index

84M SPENCER RIVER	84E DOUGLASS RIVER	84F WINE RIVER	84G FRITCH RIVER	84H SEATTLE RIVER	84I CHICAGO RIVER
85A SCOTT LAKE	85C MCCONNELL RIVER	85C MCCONNELL RIVER	85B MCCONNELL RIVER	85A MCCONNELL RIVER	85C MCCONNELL RIVER
86P RIVER	86W MCCONNELL RIVER	86N MCCONNELL RIVER	86D MCCONNELL RIVER	86P MCCONNELL RIVER	86N MCCONNELL RIVER
87C TOWNSHIPS	87S MCCONNELL RIVER	87K MCCONNELL RIVER	87J MCCONNELL RIVER	87M MCCONNELL RIVER	87L MCCONNELL RIVER
88A MCCONNELL RIVER	88Z MCCONNELL RIVER	88P MCCONNELL RIVER	88G MCCONNELL RIVER	88N MCCONNELL RIVER	88M MCCONNELL RIVER
89A MCCONNELL RIVER	89Z MCCONNELL RIVER	89P MCCONNELL RIVER	89G MCCONNELL RIVER	89N MCCONNELL RIVER	89M MCCONNELL RIVER
90A MCCONNELL RIVER	90Z MCCONNELL RIVER	90P MCCONNELL RIVER	90G MCCONNELL RIVER	90N MCCONNELL RIVER	90M MCCONNELL RIVER
91A MCCONNELL RIVER	91Z MCCONNELL RIVER	91P MCCONNELL RIVER	91G MCCONNELL RIVER	91N MCCONNELL RIVER	91M MCCONNELL RIVER
92A MCCONNELL RIVER	92Z MCCONNELL RIVER	92P MCCONNELL RIVER	92G MCCONNELL RIVER	92N MCCONNELL RIVER	92M MCCONNELL RIVER
93A MCCONNELL RIVER	93Z MCCONNELL RIVER	93P MCCONNELL RIVER	93G MCCONNELL RIVER	93N MCCONNELL RIVER	93M MCCONNELL RIVER
94A MCCONNELL RIVER	94Z MCCONNELL RIVER	94P MCCONNELL RIVER	94G MCCONNELL RIVER	94N MCCONNELL RIVER	94M MCCONNELL RIVER



Legend



QUEST Geochemistry CSIRO SOM Analysis - Cluster-Normalized Element Anomalism

The levelled 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-organized map. To assist with interpretation the SOM-derived BMU "vector" were analysed using K-means to produce 20 classes. Field samples have been coloured according to the cluster-assignment of their particular BMU.

"Cluster Normalized" element anomaly maps have been produced with samples normalized to the mean and standard deviation of the K-means cluster to which a sample's BMU belongs. Users are cautioned that normalization by the K-means cluster may mask intrinsically small numbers anomalies. Specifically, if an element is normally only present in small amounts in a set of samples assigned to a cluster, then the normalization process applied here will make the higher values in this low valued group anomalous.

Data Analysis

Fraser, S.J. and Hodgkinson, J.H. (2009) An Investigation Using SiroSOM for the Analysis of QUEST Stream Sediment and Lake Sediment Geochemical Data. September 2009, Geoscience BC, Report 2009-14. CSIRO Exploration and Mining Report 2009/983, 64 p.

Geochemistry Data

Localised Data

Barnett, C. T. and Williams, P. M. (2009). Using geochemistry and neural networks to map geology under glacial cover. Geoscience BC, Report 2009-3.

Original Data

Jackman, W. (2008). Regional Stream Sediment and Water Geochemical Data, Pine Pass, British Columbia (NTS 90C). Geoscience BC, Report 2008-7.

Jackman, W. (2008). Regional Lake Sediment and Water Geochemical Data, Northern Fraser Basin, Central British Columbia (parts of NTS 82C, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 00). Geoscience BC, Report 2008-5.

Jackman, W. (2008). QUEST Project Sample Reanalysis. Geoscience BC, Report 2008-3.

Jackman, W. (2007). Regional drainage sediment and water geochemical data, South Nechako Basin and Cariboo Basin, central British Columbia (parts of NTS 82N, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 00). Geoscience BC, Report 2007-4, 322 p.

Lett, R.E.W. and Blumel, B. (2006). Re-analysis of regional geochemical survey stream sediment samples from the McLeod Lake area (NTS map sheet 93J). BC Ministry of Energy, Mines and Petroleum Resources, Geofile 2006-09, 220 p.

Jackman, W. (2006). Regional drainage sediment and water geochemical data, Anahim Lake and Nechako River, central British Columbia (NTS 82C & 83F). Geoscience BC, Report 2006-4, 452 p.

Lett, R.E.W. (2005). Regional Geochemical Survey Database on CD, BC Ministry of Energy, Mines and Petroleum Resources, Geofile 2005-17.

Topographic Data

Massey, N.W.D., Mackinnon, D.G., Desjardins, P.J., and Cooney, R.T. (2005). Digital Elevation Map of British Columbia: Whole Province. BC 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

Acknowledgments

Cartography by Flor Ma, Geoscience BC
Numerical analysis by CSIRO, Australia - www.csiro.au

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Geoscience BC

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.

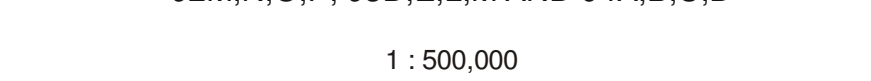
MAP 2009-14-03

GEOCHEMISTRY - CSIRO SOM ANALYSIS
Cluster-Normalized Silver Anomalism

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

1:500,000



Universal Transverse Mercator Projection, Zone 10
Horizontal Datum: North American Datum 1983
Mean magnetic declination 2004: 10°16' E; declination 10°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 - Geochemistry - CSIRO SOM Analysis: Cluster-Normalized Silver Anomalism. Geoscience BC, Map 2009-14-03, Scale 1:500,000.