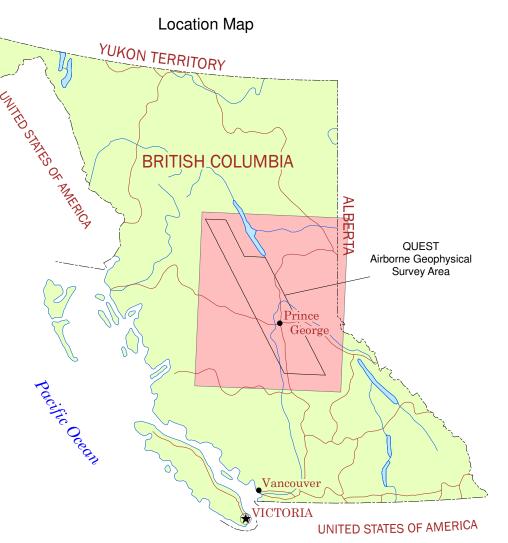
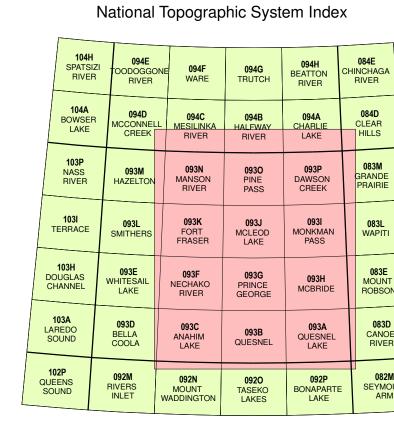
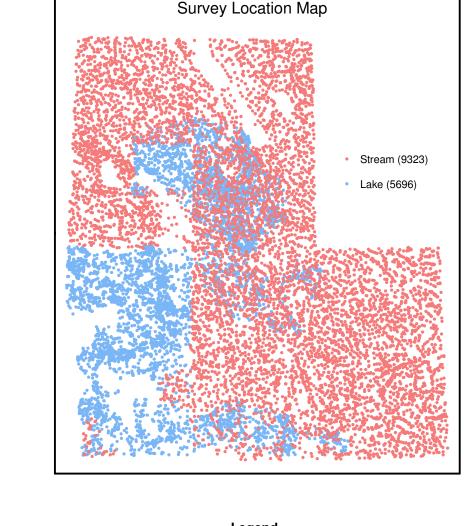
Disclaimer: While every effort has been taken to ensure the accuracy of the information in this map, the data are provided on an 'as-is' basis, without any warranty, guarantee or representation of any kind, whether expressed or implied. It is the responsibility of the user to check the facts before entering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







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Geophysical Survey Area							
l boundary							
(unclassified)							+ + +
classified)						-	
eposit (selected)							*
d place (unclassified)							•
1	-	um A ue Br	_				
	•		>	1.5	4	values above cluster norm	
	•	1	to	1.5			
	•	0	to	1			
	•	-1	to	0			
		4 -					

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 selforganized map. To assist with interpretation the SOM-derived BMU "vectors" were analyzed using K-means to produce 20 classes. Field samples have been coloured according to the

"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 mean may make intrinsically small numbers anomalous. 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.

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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.

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

Numerical analysis by CSIRO, Australia - www.csiro.au

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MAP 2009-14-07 GEOCHEMISTRY - CSIRO SOM ANALYSIS Cluster-Normalized Barium Anomalism **QUEST PROJECT**

1:500,000 Universal Transverse Mercator Projection, Zone 10 Horizontal Datum: North American Datum 1983 Mean magnetic declination 2009, 19°26'E, decreasing 16.6' 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

Geoscience BC (2009): QUEST Project - Geochemistry - CSIRO SOM Analysis: Cluster-Normalized Barium Anomalism; Geoscience BC, Map 2009-14-07,