

The map displays the spatial distribution of survey locations. Red dots represent Stream (9302) and blue dots represent Lake (5996). The map shows a complex, fragmented pattern of these locations across the study area, with a higher density of red dots in the upper right and lower right, and a higher density of blue dots in the lower left.

Vanadium Anomals

The SiRSCOM procedure assigns each sample to a best-matching unit (BMU) and samples are similar tending to be assigned to either the same BMU or nearby BMUs that are close on the organized map. To assist with interpretation the SOM-derived BMU "vectors" were analyzed using K-means to produce 20 clusters. Field samples have been coloured according to 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 mean may make intrinsically very small anomalies appear as large anomalies or normally only present small anomalies. The number of samples assigned to a cluster, then the normalization process applied here will make the high values in this low valued group anomalous.

Geochemistry Data

Levelled Data

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

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

National Research
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Minerals Down Under

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Northern
Development
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MAP 2009-14-43
GEOCHEMISTRY - CSIRO SOM ANALYSIS
Cluster-Normalized Vanadium Anomalism
QUEST PROJECT

0 5 10 15 20 25 50 kms

Geoscience BC (2009): QUEST Project - Geochemistry - CSIRO SOM Analysis: Cluster-Normalized Vanadium Anomalism; Geoscience BC, Map 2009-14-43, scale 1 : 500 000.