

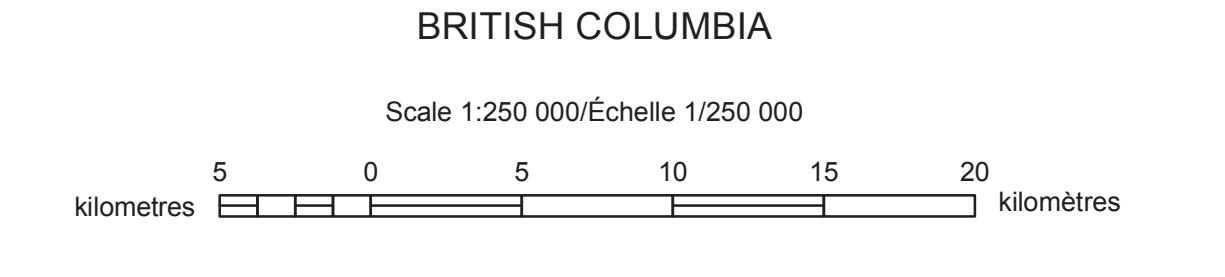
DESCRIPTIVE NOTES

The Chilcotin to Late Proterozoic Chilcotin Group (CCG) comprises stratified olivine-phyric basaltic flows that underlie much of the Interior Plateau of British Columbia. The distribution of the CCG is geographically patchy and is a function of the distribution of the basaltic magma generation, migration, and lack of consensus concerning definition of the Group. The Basalts and most associated igneous rocks are composed of the following members (in the Fraser River): The Open File contains part of the file. This work by Doherty (2009) collates and interprets multitemporal spatial datasets leading to a reassessment of the distribution of the CCG within the Taseko Lakes (NTS 92018) and Bonaparte Lake (NTS 92019) map areas.

REFERENCES

Anderson, R.G., Russell, J.K., Russell, J.K., Woodsworth, G.J., Milne, M.E., and Granger, N.C., 2010. The Chilcotin Lake to Mooreville: a basaltic eruption in Central British Columbia. *Canadian Journal of Earth Sciences*, v. 47, p. 1039-1051.

DISTRIBUTION OF THE CHILCOTIN GROUP TASEKO LAKES AND BONAPARTE LAKE MAP AREAS BRITISH COLUMBIA



Projection: Universal Transverse Mercator Projection, North American Datum 1983, © 2010 Natural Resources Canada.

Scale: 1:250 000 / Echelle: 1:250 000

Compliers: J. Doherty, G.D.M. Andrew, J.K. Russell, and R.G. Anderson

Geology by J. Doherty, Digital cartography by C.J. Wagner.

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada.

Digital base map from data compiled by Geomatics Canada, modified by GSC.

Main magnetic declination 2010, 175°E, decreasing 14.1° annually. Readings vary from 1723° in the SE corner to 1832° in the NW corner of the map.

Elevation image is Shuttle Radar Topography Mission (SRTM) 30-metre resolution data obtained from the National Center for Earth Information Science and Software (NCEIS).

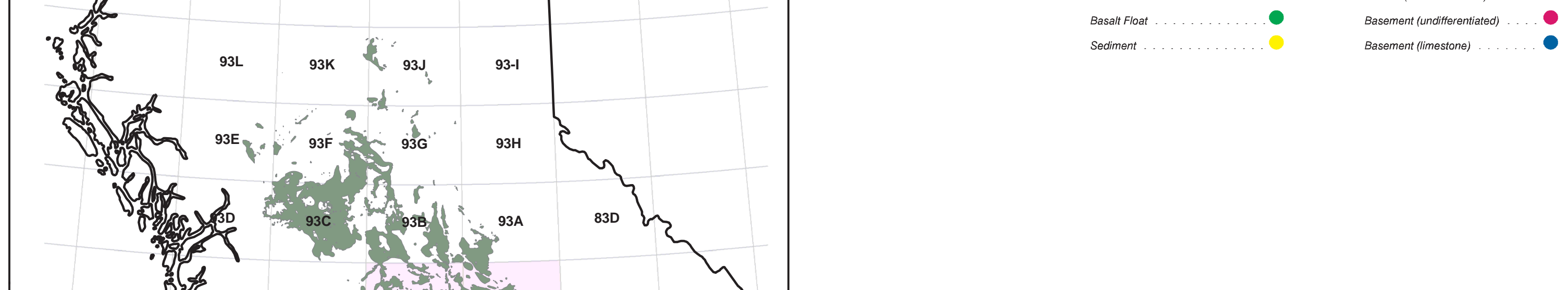
Note: Areas of 'No Data' are displayed as white blocks.

Viewed with latitude using light source from 135° (southwest).

LEGEND

Legend detailing geological units and symbols. Includes categories like NEOGENE (Chilcotin Group Basalts, Chilcotin-Phanerozoic), and symbols for geological contacts, glaciers, and volcanic vents.

Sources of Information



OPEN FILE DOSSIER PUBLIC 6344 2010

Recommended citation: Doherty, J., Andrew, G.D.M., Russell, J.K., and Anderson, R.G., 2010. Distribution of the Chilcotin Group, Taseko Lakes and Bonaparte Lake map areas. *British Columbia Geological Survey of Canada, Open File 6344, Geoscience BC Map 2010-02-1, scale 1:250 000.*