

3.13 Geology

Anderson, R.G., Resnick, J., Russell, J.K., Woodsworth, G.J., Villeneuve, M.E., and Grainger, N.C. 2001. The Cheslatta Lake suite: Miocene mafic, alkaline magmatism in central British Columbia . Canadian Journal of Earth Sciences **38**: 697-717.

Record #: 3980

Hardcopy location: BPGUB

Library Copy: In File

Anderson, R. G., Snyder, L. D., Grainger, N. C., Resnick, J., and Barnes, E. M. 2000. Geological Survey of Canada, Current Research 2000-A13. 11p.

Record #: 8670

Library Copy: In File

Anderson, R. G., Snyder, L. G., Grainger, N. C., Resnick, J., Barnes, E. M., and Pint, C. D. 2000. Mesozoic geology of Takysie Lake and Marilla map areas, Central British Columbia. Current Research 2000-A12. Geological Survey of Canada, Natural Resources Canada.

Record #: 10840

Library Copy: In File

Brown, D., Simpson, J., Daniels, H., and Riddell, J.M. 2008. Petrographic analyses of potential reservoir units of the Nechako region of British Columbia . Ministry of Energy, Mines and Petroleum Resources, Victoria BC.

Record #: 8750

Church, B.N. and Barakso, J.J. 1990. Geology, lithogeochemistry and mineralization in the Buck Creek area, British Columbia. B.C. Geological Survey Branch, Victoria, B.C.

Record #: 290

Hardcopy location: BCMEM

Cook, S.J. 1994. Lake sediment geochemistry; an exploration tool for buried epithermal precious metal deposits in the northern Interior Plateau, British Columbia. Geological Society of America, 1994 annual meeting. Abstracts with Programs, Geological Society of America **26**: 70.

Record #: 1900

Hardcopy location: BCMEM

Cook, S. J. 1999. Regional lake water geochemistry of parts of the Nechako Plateau, central British Columbia (NTS 93F/2, 3; 93K/9, 10, 15, 16; 93L/9, 16; 93M/1, 2, 7, 8). Open file 1999-5. B.C. Geological Survey Branch, Victoria, B.C.

Record #: 90

Hardcopy location: BVAU, BCMEM

Cook, S.J. 2000. Surficial geochemical expressions of buried mineral deposits; results of regional lake sediment and water geochemical mapping surveys in the Nechako Plateau, central British Columbia. Geological Society of America, Cordilleran Section, 96th annual meeting. Abstracts with Programs - Geological Society of America **32**: 8.

Record #: 1910

Hardcopy location: BCMEM

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Cook, S. J. and Jackaman, W. 1994. Regional lake sediment and water geochemistry of part of the Nechako River map area. 1994-19. B.C. Geological Survey Branch, Victoria, B.C.

Record #: 1920

Hardcopy location: BCMEM

Cotic, I., Van Barneveld, J., and Sprout, P. N. 1974. Soils of the Nechako-Francois Lake area - including vegetation (NTS 93K/S1/2, 93F/N1/1). B.C. Ministry of Agriculture, Soils Branch, Kelowna, B.C. 218 p. + 4 maps.

Record #: 4600

Hardcopy location: BVIV

Dunn, C. E. and Hastings, N. L. 2000. Geological Survey of Canada; Open File 3594b.

Record #: 8760

Library Copy: In File

Dunn, C. E. Hastings N. L. 2000. Geological Survey of Canada; Open File 3594a.

Record #: 8720

Library Copy: In File

Earle, S. 1992. Assessment of the applicability of lake sediment geochemical surveys for minerals exploration in the Nechako Plateau area of British Columbia. *In* Exploration in British Columbia 1992. B.C. Ministry of Mines and Petroleum Resources. Victoria, BC. pp. 69-106.

Record #: 1930

Hardcopy location: BCMEM

Epp, P. F. and Kenk, E. 1983. Soils of the Manson River-Fort Fraser map area . MOE Technical Report 1. B.C. Ministry of Environment., Victoria, BC. 119 p.

Record #: 1950

Hardcopy location: WLAP

Farstad, L. and Laird, D. G. 1954. Soil survey of the Quesnel, Nechako, Francois Lake and Bulkley - Terrace areas in the central interior of British Columbia. British Columbia Soil Survey Report 4. Canada Department of Agriculture, Ottawa, Ontario. 88 p.

Record #: 1960

Hardcopy location: BCMEM

Ferri, F, Riddell, J, Stasiuk, L, Sweet, A, and O'Sullivan, P. 2007. The nechako basin: new insights into a cordilleran intermontane basin. 2007. 2007. Tulsa, OK, USA, American Association of Petroleum Geologists . Abstracts: Annual Meeting - American Association of Petroleum Geologists. 7150

Hardcopy location: <http://www.aapg.org/meetings/>

Frebold, H. and Tipper, H. W. 1967. Middle Callovian sedimentary rocks and guide ammonites from southwestern British Columbia. Paper 67-21. Geological Survey of Canada . 29 p.

Record #: 3650

Hardcopy location: BVIEM, BVIV

Frebold, H., Tipper, H. W., and Coates, J. A. 1969. Toarcian and Bajocian rocks and guide ammonites from southwestern British Columbia. Paper 67-10. Geological Survey of Canada. 55 p.

Record #: 3640

Hardcopy location: BVIEM, BVIV

Friedman, R. M. Anderson R. G. Billesberger S. M. 2000. Geological Survey of Canada: Current Research 2000-A9.
Record #: 8710
Library Copy: In File

Geological Survey of Canada. Nechako NATMAP Project in central British Columbia, Canada.
Accessed from: <http://www.em.gov.bc.ca/natmap> and
<http://ntserv.gis.nrcab.gc.ca/natmap/program.htm>
Record #: 4870
Hardcopy location: <http://www.em.gov.bc.ca/natmap> and <http://ntserv.gis.nrcab.gc.ca/natmap/program.htm>

Hastings, N.L., Plouffe, A., Struik, L.C., Turner, R.J.W., Williams, S.P., Anderson, R.G., Clague, J.J., Kung, R., and Taccogna, G. 1998. Development of a geoenvironmental map for the non-geoscientist, Nechako Plateau, British Columbia. Geological Society of America, 1998 annual meeting. Abstracts with Programs, Geological Society of America **30**: 61.
Record #: 2020
Hardcopy location: BCMEM

Hickson, C.J. 1990. The Chilcotin-Nechako hydrocarbon province. *In* Cordilleran geology and exploration roundup; program and abstracts. Geological Survey of Canada. Calgary, AB. pp. 55-58.
Record #: 2030
Hardcopy location: GSC

Hoffman, S.J. 1976. Mineral exploration of the Nechako Plateau, central British Columbia, using lake sediment geochemistry. Thesis, University of British Columbia, Vancouver, B.C.
Record # 80
Hardcopy location: BVAU

Howes, D.E. 1977. Terrain inventory and Late Pleistocene history of the southern part of the Nechako Plateau. B.C. Ministry of the Environment, Resource Analysis Branch, Victoria, B.C.
Record #: 370
Hardcopy location: WLAP, BCMEM, BVIV

Hunt, J.A. 1992. Stratigraphy, maturation and source rock potential of Cretaceous strata in the Chilcotin - Nechako region of British Columbia. M.Sc. thesis, University of British Columbia, Vancouver, B.C.
Record #: 2050
Hardcopy location: BVAU

Levson, V.M. and T.R. Giles. 1997. Quaternary geology and till geochemistry studies in the Nechako and Fraser Plateau, central British Columbia (NTS 93C/1, 8, 9, 10; F/2, 3, 7: L/16; M/1). *In* Interior plateau geoscience project: summary of geological, geochemical and geophysical studies. Edited by L.J. Diakow. Geological Survey of Canada , pp. 121-147.
Record #: 4650
Hardcopy location: GSC

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Lowe, C., Levson, V. M., Struik, L. C., Plouffe, A., Anderson, R. G., and Mate, D. compilers. 2001. Digital elevation model, Nechako River, British Columbia. Open File 4027 Geological Survey of Canada, Ottawa, ON. 1 sheet.

Record #: 2090

Hardcopy location: GSC, Ottawa

MacIntyre, D.G. and Struik, L.C. 2000. Nechako NATMAP Project, central British Columbia; 1999 overview. *In* Geological fieldwork 1999; a summary of field activities and current research. *Edited by* W.R. Smyth. British Columbia Geological, Victoria, B.C. pp. 7-13.

Record #: 2120

Hardcopy location: BCMEM

Mate, D. J. 2000. Quaternary geology, stratigraphy and applied geomorphology in the southern Nechako Plateau, central British Columbia. M.Sc. Thesis. University of Victoria, Victoria, B.C.

Record #: 4670

Hardcopy location: BVIV

Mate, D.J. and Levson, L.M. 2001. Landslide studies in Quaternary sediments in the Interior Plateau of British Columbia. GeoCanada 2000.

Record #: 4530

Mate, D.J. and Levson, V.M. 2001. Quaternary stratigraphy and history of Ootsa Lake - Cheslatta River area, Nechako plateau, central British Columbia. Canadian Journal of Earth Sciences **38**: 751-765.

Record #: 3960

Hardcopy location: BPGUB, BVAS

Library Copy: In File

O'Brien, E. K. 1997. Till geochemistry dispersal patterns at the CH, Blackwater-Davidson and Uduk Lake mineral properties, central British Columbia. Open File B.C. Geological Survey Branch, Victoria, B.C. 73 p.

Record #: 2160

Hardcopy location: BCMEM

O'Brien, E.K., Levson, V.M., and Broster, B.E. 1997. Till geochemical dispersal in central British Columbia. B.C. Geological Survey Branch, Victoria, B.C.

Record #: 110

Hardcopy location: BCMEM

Peterson, N. D and Russell, J K. 2007. Mantle lithosphere properties beneath, and volcanism along, the coast belt-intermontane belt boundary, British Columbia; insights from a mantle-xenolith-bearing dike at Mt. Preston. 39-4, p7. 2007. Boulder, CO, United States , Geological Society of America (GSA). 7160

Pint, C. D. Anderson R. G. Mahoney J. B. 2000. Stratigraphy and structures within the Lower to Middle Jurassic Hazelton Group, Takysie Lake and Marilla map areas, central British Columbia. Geological Survey of Canada; Current Research 2000-A11. 9p.

Record #: 8690

Library Copy: In File

Plouffe, A. 1997. Ice flow and late glacial lakes of the Fraser Glaciation, central British Columbia. Geological Survey of Canada, Current Research **1997-A/B**: 1331-1343.

Record #: 4540

Hardcopy location: BVAU, BVIV

Plouffe, A. 1999. New data on till geochemistry in the northern sector of the Nechako River map area, British Columbia. In *Cordillera and Pacific margin/ Interior Plains and Arctic Canada*.

Geological Survey of Canada, Ottawa, ON pp. 169-178.

Record #: 2180

Hardcopy location: BVAU, BVIV

Plouffe, A. 1998. Regional till geochemistry, northern Nechako River, British Columbia. Open file 3687 Ottawa, ON, Geological Survey of Canada. 2 maps : col. + 1 diskette.

Record #: 2170

Hardcopy location: GSC, Vancouver

Plouffe, A. 2000. Surficial geology, Fort Fraser, British Columbia. NTS Map 093K. Scale 1:250 000. "A" Series map no. 1986A Geological Survey of Canada, Ottawa, Ontario.

Record #: 2190

Hardcopy location: GSC, Calgary

Library Copy: In File

Plouffe, A. and Levson, V.M. 2001. Late Quaternary glacial and interglacial environments of the Nechako River - Cheslatta Lake area, central British Columbia. Canadian Journal of Earth Sciences **38**: 719-731.

Record #: 3970

Hardcopy location: BPGUB

Library Copy: In File

2004. Surficial geology, Nechako River, British Columbia (NTS 93 F / SNRC 93 F). 2004 .

Geological Survey of Canada. 6510

Library Copy: In File

Plouffe, A., Levson, V. M., and Mate, D. J. 2001. Till geochemistry of the Nechako River map area (NTS/SNRC 93F), central British Columbia . Geological Survey of Canada, Ottawa, ON. 66 p.

Record #: 2200

Hardcopy location: available online

Plouffe, A and Williams, S. P. 2001. Quaternary geology data : Manson River (93N), Fort Fraser (93K) and Nechako River (93F), central British Columbia. Open file D2770 Geological Survey of Canada, Vancouver, B.C.

Record #: 2210

Hardcopy location: GSC-Vancouver

Porter, J. K. and Kung, R. 2001. Digital elevation model, Nechako River, British Columbia. Open File 4027 Geological Survey of Canada, Vancouver, B.C. 1 map (1:250,000).

Record #: 2100

Hardcopy location: GSC, Vancouver

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Geology of the Southern Nechako Basin NTS 92N, 92O, 93B, 93F, 93G . Victoria, BC, Ministry of Energy, Mines & Petroleum Resources. British Columbia. Ministry of Energy, Mines and Petroleum Resources, Petroleum Geology Map ; 2006-1. 8740

Rouse, G.E. and Mathews, W.H. 1988. Palynology and geochronology of Eocene beds from Cheslatta Falls and Nazko areas, central British Columbia. Canadian Journal of Earth Sciences **25**: 1268-1276.

Record #: 2230

Hardcopy location: BVAU, BVIV

Struik, L. C. and MacIntyre, D. G. 2000. Nechako NATMAP Project overview, central British Columbia, year five. Current Research 2000 Geological Survey of Canada, Vancouver, B.C. 10 p.

Record #: 2280

Hardcopy location: GSC

Library Copy: In File

Struik, L. C., MacIntyre, D. G., and Hastings, N. L. 2002. Geochemistry data, Nechako NATMAP project, British Columbia. Geological Survey of Canada, Vancouver, B.C. 1 CD-ROM.

Record #: 6450

Hardcopy location: GSC, Vancouver

Struik, L C, MacIntyre, D G, and Williams, S P. 2007. Nechako NATMAP Project: A digital suite of geoscience information for central British Columbia. Canada.

Record #: 7140

Hardcopy location: http://geopub.nrcan.gc.ca/moreinfo_e.phpid=224578

Struik, L.C. and McMillan, W.J. 1996. Nechako Project overview; central British Columbia. *In* Cordillera and Pacific margin. Geological Survey of Canada, Ottawa, ON pp. 57-62.

Record #: 2290

Struik, L.G. and MacIntyre, D.G. 2001. Introduction to the special issue of Canadian Journal of Earth Sciences: The Nechako NATMAP Project of the central Canadian Cordiller. Canadian Journal of Earth Sciences **38**: 485-494.

Record #: 8680

Library Copy: In File

Stuart, R. A. 1956. Geology of the Kemano-Tahtsa area, British Columbia. Ph.D. thesis, Princeton University, Princeton, N.J. B.C. Dept. Mines and Petroleum Resources, Bulletin 42 . 166 p.

Record #: 2300

Hardcopy location: BCMEM, BVAS

Stumpf, A. J., Broster, B. E., and Levson, L. M. 1998. Anomalous westward flow of the Cordilleran Ice Sheet during the late Wisconsinian glaciation of central British Columbia. 1998 Annual Meeting, Toronto, ON, Oct 26-29, 1998 Geological Society of America.

Record #: 4720

Hardcopy location: BCMEM

Stumpf, A.J., Broster, B.E., and Levson, V.M. 2000. Multiphase flow of the late Wisconsinan Cordilleran ice sheet in Western Canada. Geological Society of America Bulletin **112**: 1850-1863.

Record #: 1790

Hardcopy location: BCMEM

Tipper, H.W. 1963. Nechako River map-area, British Columbia. Dept. of Mines and Technical Surveys, Ottawa, ON.

Record #: 130

Hardcopy location: BVAU, BVIEM, OKQD

Tipper, H W. 1959. Revision of the Hazelton and Takla Groups of Central British Columbia. Bulletin 47. Geological Survey of Canada, Ottawa, ON.

Record #: 2310

Hardcopy location: BVIV

Ward, B, Geertsema, M, Telka, A, and Mathewes, R. 2008. A paleoecological record of climatic deterioration from middle to late Wisconsinan time on the interior plateau of British Columbia, Canada. 33. 2008. 7310

Williams, S. P. compiler. 1997. Geological compilation, Nechako River, British Columbia. Geological Survey of Canada, Calgary, AB. 1 map sheet.

Record #: 2340

Hardcopy location: GSC, Calgary/ <http://geoscan.ess.nrcan.gc.ca/cgi-bin/starfinder/0?path=geoscan.fl&id=fastlink&pass=&format=FLSHORTORG&search=R=208909>

3.14 Geomorphology

Church, M. 1995. Geomorphic response to river flow regulation: case studies and time-scales. Regulated Rivers: Research and Management **11**: 3-22.

Record #: 1430

Hardcopy location: MMA

Church, M. 2008. Multiple scales in rivers. In Gravel-bed rivers; VI, From process understanding to river restoration. Elsevier, pp. 3-32.

Record #: 7360

Hardcopy location: www.elsevier.com/wps/find/bookdescription.cws_home/713224/description#description

Collett, A. and Church, M. 1993. Nechako River, Gravel sample analysis. 7p.

Record #: 58

Cotic, I., Van Barneveld, J., and Sprout, P. N. 1974. Soils of the Nechako-Francois Lake area - including vegetation (NTS 93K/S1/2, 93F/N1/1). B.C. Ministry of Agriculture, Soils Branch, Kelowna, B.C. 218 p. + 4 maps.

Record #: 4600

Hardcopy location: BVIV

2009. Nechako Basin magnetotelluric data release: a geoscience for Mountain Pine Beetle response product. 2009. 8540

Hardcopy location: GSC