

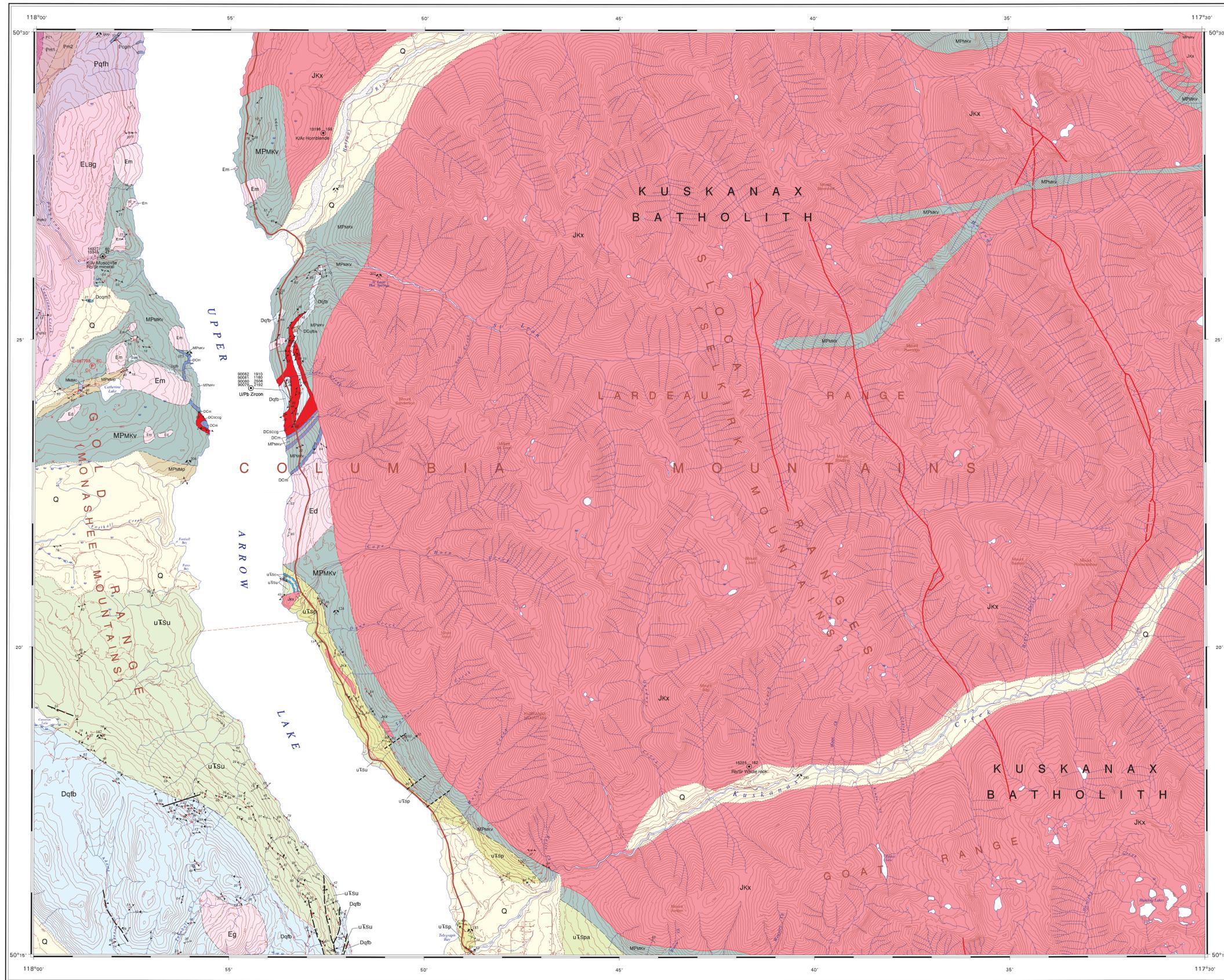
REFERENCES
 Read, P. B. and Wheeler, J. O., 1976: Geology of Lardeau W2 (82K W2), Geological Survey of Canada, Open File Map 432, 1:125,000.
 Reesor, J.E. and Moore, J.M., Jr., 1971: Petrology and structure of the Thor-Odin Gneiss Dome, Shuswap Metamorphic Complex, British Columbia, Geological Survey of Canada, Bulletin No. 195, 149p.
 Canadian Geochronology Knowledgebase: http://gdr.nrcan.gc.ca/geochron/index_e.php

MINERAL OCCURRENCE INDEX

MINFILE NO	NAME	COMMODITY*
082KSW073	PINGSTON CREEK LIMESTONE	LS,MS,BS
082KSW099	PINGSTON	ZN,AG,PB,CU
082KSW124	CORNWALL	CU
082KSW185	PRINCE	PB,AG,AU
082KSW187	ANNE	AG,PB,AU,CU
082KSW200	NAKUSUP HOTSPRINGS	HS
082KSW202	ST. LEON HOTSPRINGS	HS
082KSW203	HALFWAY RIVER HOTSPRING	HS
082KSW204	FOSTHALL	HS

*Abbreviations for commodities: AG - silver; AU - gold; BS - building stone; CU - copper; HS - hot spring; LS - limestone; MS - marble; PB - lead; ZN - zinc.

Source: British Columbia Ministry of Energy and Mines, MINFILE database available at: <http://www.em.gov.bc.ca/Mining/Geosurvey/Minfile/>



LEGEND

Cenozoic
 Quaternary
 PLEISTOCENE AND RECENT
 Q Unconsolidated sediments: glacial deposits, colluvium and alluvium; few if any outcrops; probable subcrop unit within parentheses

TERTIARY
 LATE PALEOCENE TO MIDDLE EOCENE
 ELBg LADYBIRD GRANITE INTRUSION: Granite to quartz monzonite having less than 10% biotite; subequal amounts of plagioclase, potassium feldspar and quartz; accessory muscovite, sillimanite and/or garnet may be present

Eg Granite and quartz monzonite
 Em Monzonite and quartz monzonite
 Ed Diorite and quartz diorite

JURASSIC
 UPPER SINEMURIAN
 Jkx KUSKANAX BATHOLITH: Aegirine-augite leucogranite, syenite and leuco-quartz monzonite

UPPER TRIASSIC GROUP
 uTSu Slokan Siliclastic Rocks: Dark-grey argillite; biotite-schist; dark-grey calcareous argillite; dark-grey sooty phyllites; light- to medium-grey meta-siltstone; minor volcanic breccia, sandstone and agglomerate
 uTspa Argillite, shale to siltstone, tuff
 uTsp Felsitic to silty phyllite and slate
 uTsc Grey to black limestone, marble

Paleozoic
 MISSISSIPPIAN AND PENNSYLVANIAN AND LOWER PERMIAN
 MILFORD AND KASLO GROUPS (undivided)
 MPmkv Amphibole metavolcanic rocks
 MPmp Siliceous Argillite Member: Bedded grey siliceous argillite and chert; massive grey siliceous argillite; white siliceous argillite where bleached by intrusives; bedded grey calc-schist; chert pebble conglomerate

MISSISSIPPIAN
 UPPER MISSISSIPPIAN AND (Y)OLDER
 Mmm Carbonate Member: Mostly massive, locally bedded grey limestone; cream dolostones; medium- to coarse-grained white marble (unit 14 of Read west of the Spylglass Fault)

DEVONIAN? AND CARBONIFEROUS
 TSPA CREEK ASSEMBLAGE
 DCscog Conglomerate; quartzite pebble, granite pebble, carbonate pebble; gritty quartzite
 DCm Marble: Medium to coarsely crystalline, white to dark grey marble (map unit Pcc2 of Read, 1979)
 Dqtb Silver Creek Schist: Quartz-feldspar-muscovite-biotite schist with or without garnet, staurolite and sillimanite; black carbonaceous schist; dark grey to tan micaceous quartzite; minor white-to-grey marble; amphibolite schist; minor amphibolite (map units P-4 and P-6 of Read, 1979)
 DCqtbs Silver Creek Staurolite Schist: Grey- and brown- weathering muscovite-biotite schist having a proclination of large staurolite porphyroblasts up to 2 cm in length (map unit P-10 of Read, 1979)
 DCqm? Calcareous Quartzite Member (Chase Quartzite?) intrud, calcareous quartzite; diopside-bearing calcareous quartzite; quartzite; marble (equivalent to Milford Group)(units F3, S2 of Reesor)
 Mesoproterozoic(?)
 MARA ASSEMBLAGE
 Pqth Trilobite schist: Biotite-quartz-feldspar schist (with or without sillimanite, garnet); feldspar-quartz-hornblende schist (with or without biotite); amphibolite; calc-silicate gneiss; micaceous quartzite (map units M and F of Reesor and Moore, 1971)
 Pqth2 Pegmatite greater than 50% containing inclusions and wisps of metasedimentary rocks and amphibolite (unit F2 of Reesor)
 Pqgm Marble (unit M7 of Reesor)
 Pm2 Biotite-quartz-feldspar paragneiss characterized by lenses and boudins of garnetiferous amphibolite; extensive lenticular masses of pegmatite
 Pm1 Biotite-quartz-feldspar paragneiss; sillimanite-biotite-garnet schist; garnet-quartz-feldspar gneiss
 Pc1 Garnet-biotite-plagioclase paragneiss (May be correlative with unit Pcl core paragneiss of Reesor, 1974)

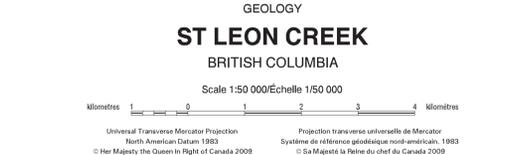
SYMBOLS

Foliation (unclassified): inclined, horizontal, vertical
 Foliation (1st generation): inclined, horizontal, vertical
 Foliation (2nd generation): inclined, horizontal, vertical
 Bedding: inclined, horizontal, vertical, overturned
 Fold: axis plane (unknown generation) overprinting
 Mineral lineation
 Fold hinge: crenulation lineation
 Lineation (1st generation) intersection
 Lineation (2nd generation) intersection
 Lineation (1st generation)
 Outcrop
 Fossil locality
 Geochronology sample (http://gdr.nrcan.gc.ca/geochron/index_e.php)
 Mineral Occurrence
 Geological boundary (taken from Reesor, 1971): defined, approximate, assumed
 Geological boundary (taken from Read and Wheeler, 1979): defined, approximate, assumed
 Geological boundary (interpreted by compiler): defined, approximate, assumed
 Geological boundary: arbitrary
 Quaternary limit
 Fault: extension (solid circles on downthrown side); defined, approximate, assumed
 Fault: unclassified: defined, approximate, assumed
 Fault: unclassified (taken from Read and Wheeler, 1979): defined, approximate, assumed



OPEN FILE 6185
GEOLOGY
ST LEON CREEK
BRITISH COLUMBIA
 Scale 1:50 000/Échelle 1/50 000

Compilers: R.L. Thompson, Y. Lemieux, P. Glombick and P. Dhesi
 Geology by J.E. Reesor and J.M. Moore Jr., 1971; P.B. Read and J.O. Wheeler, 1976; R.L. Thompson and P. Glombick, 2000; Y. Lemieux, 2002-2004.
 Geological compilation by R.L. Thompson, 2002
 Co-ordinated by R.L. Thompson through the auspices of the Targeted Geoscience Initiative 3 (TG-3)
 Digital cartography by P. Dhesi, Geological Survey of Canada, Pacific Division
 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 the Geological Survey of Canada - Pacific Division
 Mean magnetic declination 2009, 16°52'E, increasing 13' annually.
 Elevations in metres above mean sea level
 Contour interval 40 metres

82 U9 OF 4378	82 K12	82 K11
82 U8 OF 4377	82 K5	82 K6 OF 6184
82 U1 OF 4370	82 K4 OF 6186	82 K3 OF 6187

OPEN FILE DOSSIER PUBLIC 6185

Les données des produits qui n'ont pas encore subi le processus de publication.

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2009

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