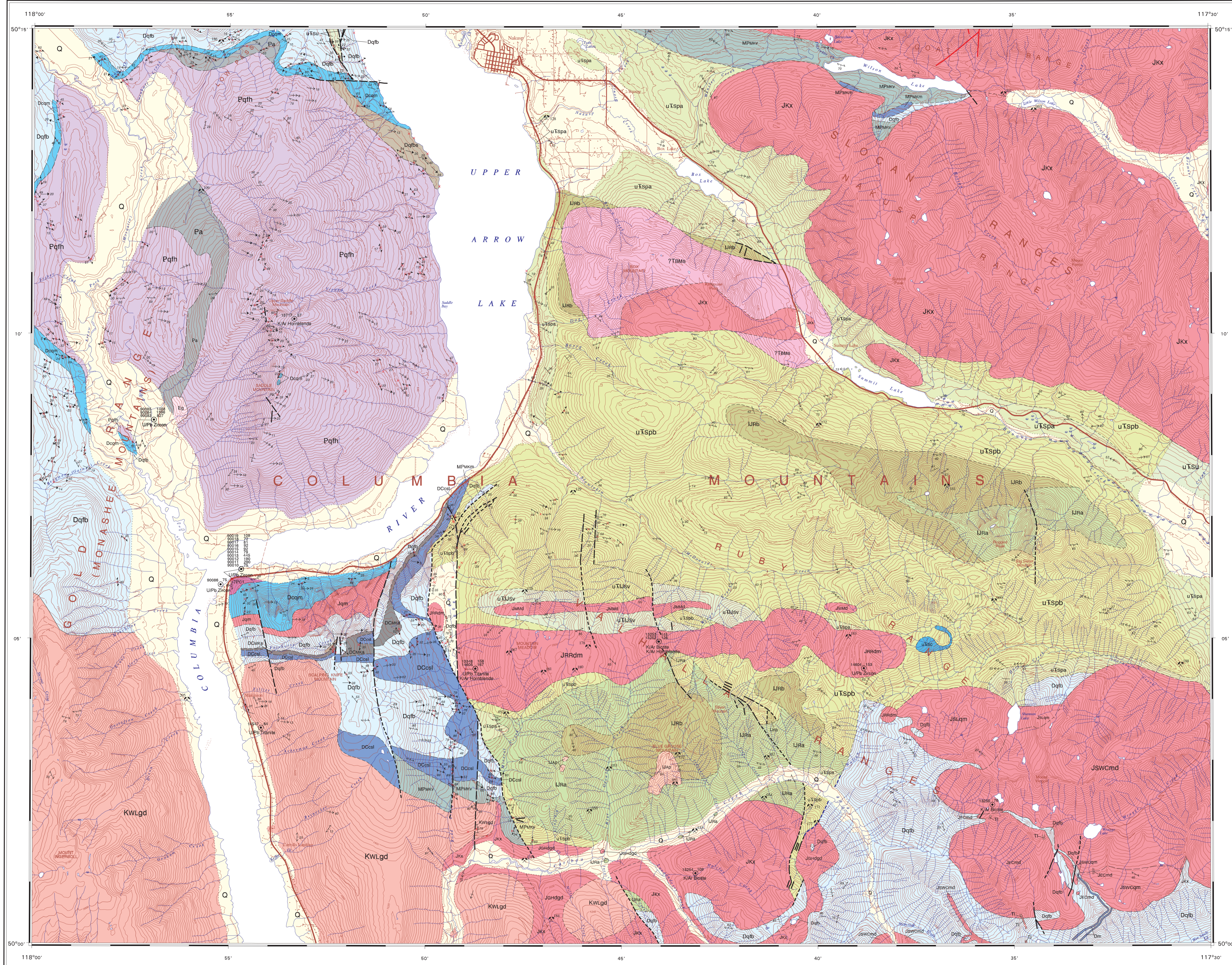


Hyndman, D.W. 1968. Petrology and structure of Nakusp map area, British Columbia, Geological Survey of Canada Bulletin No. 111.
 Read, P.B. and Wheeler, J.O. 1976. Geology of Lardeau W2 (62K W2), Geological Survey of Canada, Open File Map 432, 1:125,000.
 Canadian Geochronology Knowledgebase: http://gkg.nrcan.gc.ca/geochron/index_e.php

MINERAL OCCURRENCE INDEX

MINFILE NO	NAME	COMMODITY*
082KSW050	POORMAN	AG,PB,ZN,AU
082KSW051	MILLIE MACK (L.1631)	AG,PB,ZN,AU,GT
082KSW052	PROMESTORIA (L.1786)	AU,AG,ZN
082KSW053	CARBOU ACE	AU
082KSW054	CHIEFTAIN (L.5845)	AG,AU,PB,ZN
082KSW060	SHANNON	AG,PB,ZN,CU
082KSW067	SHAKESPEARE (L.5720)	AG,PB,ZN,CU
082KSW093	ROYAL 5	PB,CU
082KSW109	STA-TITE	UR,TH
082KSW128	BLUEBIRD	AG,PB,ZN,CU
082KSW129	NEPE	AG,CU
082KSW131	GOLDEN EAGLE (L.3018)	AU
082KSW132	CRIS	AG,PB,ZN
082KSW133	INDEPENDENCE	PB
082KSW161	KUSP	PB,ZN,AG
082KSW171	EUREKA	AG,PB,ZN,AU
082KSW172	STAN	MO
082KSW177	EUREKA SOUTHEAST	AG,PB,ZN,AU
082KSW178	MOUNTAIN MEADOW MO (EAST)	MO
082KSW179	MOUNTAIN MEADOW MO (NORTH)	MO
082KSW180	MOUNTAIN MEADOW ARSENOPYRITE	AU,AG
082KSW181	MOUNTAIN MEADOW GALENA	PB,AG,AU
082KSW182	TYEE	AU,ZN
082KSW183	SLEWISKIN	AU
082KSW184	ORO	AU,WO
082KSW186	BULL	ZN
082KSW188	VICTIM MOUNTAIN #2	MO
082KSW201	WILSON LAKE SPRING	HS
082KSW205	TAYLOR SPRING	HS

*Abbreviations for commodities: AG - silver; AU - gold; CU - copper; GT - graphite; HS - hot spring; MO - molybdenum; PB - lead; TH - thorium; UR - uranium; WO - tungsten; ZN - zinc.
 Source: British Columbia Ministry of Energy and Mines, MINFILE database available at: <http://www.em.gov.bc.ca/Mining/Geology/Minfile/>



LEGEND

Quaternary

- Q: Deposited sediments: glacial deposits, colluvium and alluvium; fine if any outcrop; probable subunit unit within parentheses
- TI: Laminophyllite shales
- TBms: BOX MOUNTAIN STAGE: Argillite-argillite syncline (age uncertain)

LATE PALEOGENE TO MIDDLE EOCENE

- Eg: Undifferentiated, potassium-rich argillite-argillite syncline that cross-cut all fabrics

CRETACEOUS

- KWlgd: Whistler Lake Batholith (~77-79 Ma): Leucocratic, potassium feldspar, megacrystic, hornblende-bearing quartz monzonite; includes Caribou Creek section on east side of Arrow Lake

JURASSIC

- Jgndgd: GREAT CANYON-WILFAX CREEK STAGE: Hornblende-biotite quartz monzonite; quartz diorite, granodiorite
- Jswcmd: SNOUWLOU AND WRAGGE CREEK STAGES: Epitaxial-biotite quartz diorite, and granodiorite
- Jrrdm: RUBY RANGE STAGE: Biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and gneiss/diorite
- Jmmd: Mountain Meadow Fluton: Hornblende diorite and quartz diorite
- Jecmd: EAST CARBOU STAGE: Hornblende quartz monzonite and quartz diorite
- Jkx: KUSKANAK BATHOLITH: Argillite-argillite, leucocratic, syenite and leucite-quartz monzonite
- Jswcqm: SOUTH WRAGGE CREEK STAGE: Hornblende-epitaxial (leucite) quartz monzonite
- Jslqm: SHANNON LAKE STAGE: Epitaxial-hornblende (leucite) quartz monzonite
- Jqm: Lithated hornblende-biotite (leucite) quartz monzonite

LOWER JURASSIC (UPPER PERMIAN)

- Ljap: ARCHBOLD FORMATION (?)?: Grey argillite, shale and alluvium (unit T2B of Hyndman)

ROSELAND GROUP

- Ljra: Argillite (unit T2A of Hyndman, 1963)
- Ljrb: Andesite and basalt flows and tuffs (unit T2B of Hyndman, 1963)

UPPER TRIASSIC (SLOCAN GROUP)

- uTlsv: Andesite to diorite tuffs and flows
- uTsu: Slovan Silicified Rocks: Dark grey argillite, biotite schist, dark grey calcareous argillite, dark grey soap sylvite, light to medium grey metachert, minor amphibolite (map units T3a and T3b of Read, 1976)
- uTspa: Argillite, shale to siltstone, silt
- uTspb: Pelite to silty siltstone and slate
- uTsc: Grey to black limestone, marble

MISSISSIPPIAN AND PENNSYLVANIAN AND LOWER PERMIAN (MILFORD AND KASLO GROUPS) (undivided)

- Mpkv: Amphibole metachert rocks
- Mpkm: Medium to coarse crystalline, white to dark grey marble

DEVONIAN AND CARBONIFEROUS

- Dcmk: SCALPING KNIFE MOUNTAIN AMPHIBOLITE: Grey to green amphibolite
- Dqtb: Silver Creek Schist: Quartz-biotite-muscovite schist with or without garnet, staurolite and orthopyroxene; biotite-hornblende schist; dark grey to tan melanocratic quartzite; minor white-to-grey marble; amphibolite schist; minor amphibolite (map units D1 and D2 of Read, 1976)
- Dqfbs: Silver Creek Schist: Schist: Grey and brown weathering muscovite-biotite schist having a profusion of large staurolite porphyroblasts up to 2 cm in length (map unit D1 of Read, 1976)
- Dcal: Calc-siltstone-bearing metasedimentary rocks and limestone
- Dm: Silver Creek Marble: Medium to coarse crystalline, white to dark grey marble (map unit D3 of Read, 1976)
- Dqcm: Calcareous Quartzite Member (Chase Quartzite?) pelitic calcareous quartzite; argillite-bearing calcareous quartzite; quartzite; marble (equivalent to Millard Group) (units F1, S2 of Reesor)

Mesoproterozoic(?) MASS ASSEMBLAGE

- Pqth: Tuffaceous schist: Biotite-quartz-biotite schist (with or without alluvium, garnet, hornblende-quartz-hornblende schist (with or without biotite), amphibolite, calc-siltstone gneiss; micaceous quartzite (map units M and F of Reesor and Moore, 1971)
- Pa: Amphibolite: may be interlayered with biotite schist and biotite-quartz-biotite schist (unit MB of Reesor)
- ?Pc1: Garnet-biotite-sillimanite paragneiss (may be correlative with unit P1C1 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
- Lineation: 1st generation, 2nd generation
- Mineral lineation
- Fold hinge: culmination, inversion
- Fault: normal sense, sinistral sense, unknown sense
- Outcrop
- Geochronology sample location (http://gkg.nrcan.gc.ca/geochron/index_e.php)
- Mineral Occurrence
- Geological boundary (taken from Fyles, 1984; Wherry, 1997; Reesor, 1985): defined, approximate, assumed
- Geological boundary (taken from 1:250,000 compilation by Read and Wheeler, 1976): defined, approximate, assumed
- Geological boundary (interpreted by compiler): defined, approximate, assumed
- Geological boundary: arbitrary
- Quaternary limit
- Fault, concealed (not visible on downthrown side): defined, approximate, assumed
- Fault, unclassified (defined, approximate, assumed)
- Fault, unclassified (taken from 1:250,000 compilation by Read and Wheeler, 1976): defined, approximate, assumed
- Fault, unclassified (interpreted by compiler)

REFERENCES

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GEOLOGY
NAKUSP
BRITISH COLUMBIA

Scale 1:50 000 / Échelle 1/50 000

Universal Transverse Mercator Projection
 North American Datum 1983
 © Her Majesty the Queen in Right of Canada 2009

Projection Transverse Mercator de Mercator
 Système de référence géodésique nord-américain, 1983
 © Sa Majesté la Reine du chef du Canada 2009

Zone 11

Digital base map from data compiled by Geomatics Canada, modified by the Geological Survey of Canada - Pacific Division

Mean magnetic declination 2009, 16°47'E, increasing 13" annually.

Elevations in metres above mean sea level
 Contour interval 40 metres

82 L8	82 K5	82 R6
OF 4377	OF 6185	OF 6184
82 L1	82 K4	82 K3
OF 4370	OF 6186	OF 6187
82 E16	82 F15	82 F14

OPEN FILE DOSSIER PUBLIC 6186

2009

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