

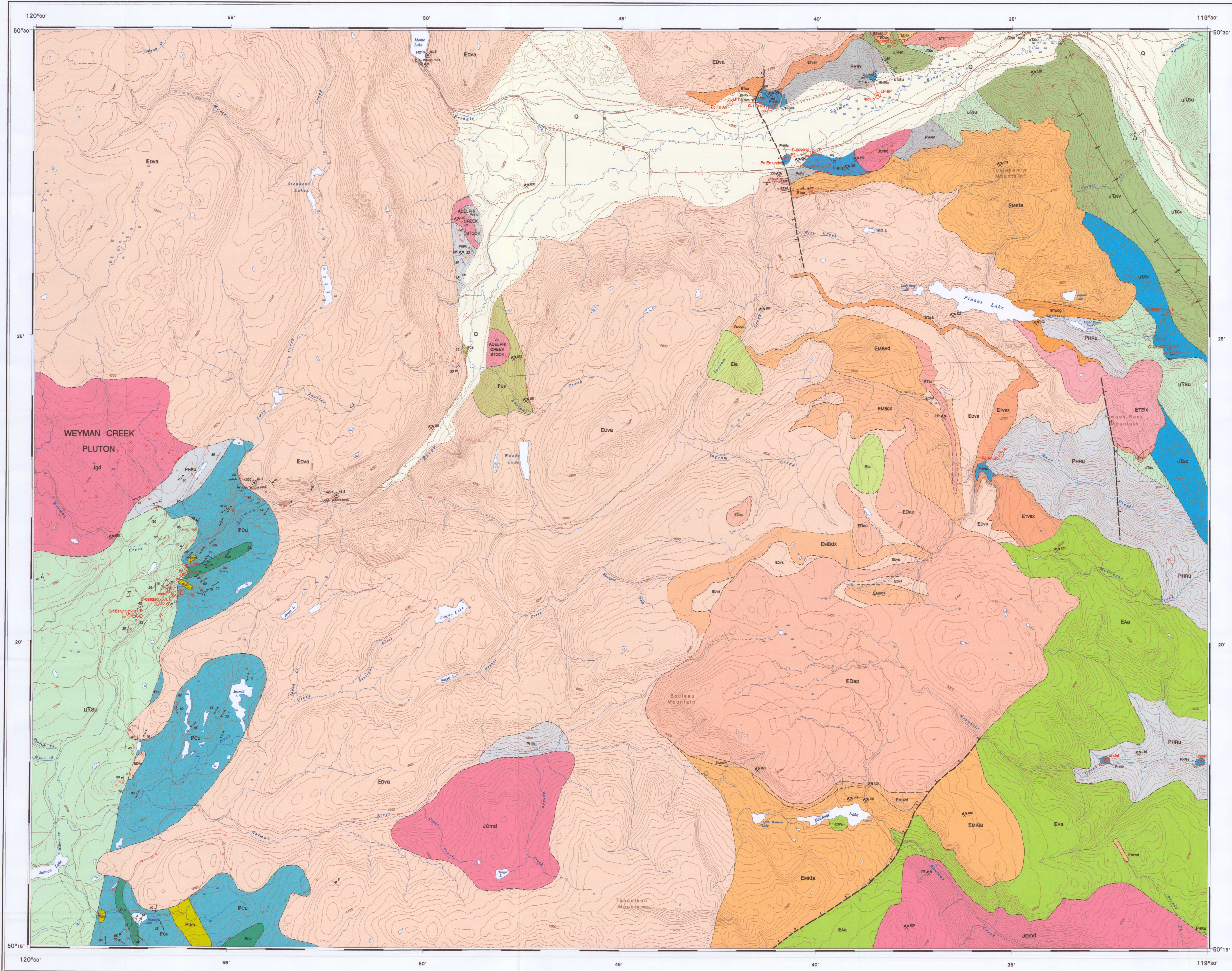
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MINERAL OCCURRENCE INDEX

MINFILE NO	NAME	COMMODITY
082L5W100	MONTIE LAKE	AE, ZF, GS
082L5W150	TUK	CU
082L5W255	SALMON RIVER NORTH	LS
082L5W265	SALMON RIVER SOUTH	LS
082L5W445	JEWEL EAST	CU, AU, AG, ZN
082L5W265	JEWEL	CU, AU, AG, ZN
082L5W275	TUKTAKAMIN	VS
082L5W128	WILL	KA
082L5W270	WESTWOLD CLAY	CY
082L5W249	WESTWOLD	MS, DS, BS, AT
082L5W245	RENALLAN	MO, CU, AU
082L5W104	INGRAM	AE, GS
082L5W122	PINALUS WEST	AE, GS
082L5W102	PINALUS EAST	AE, GS
082L5W252	LIM	MO, WO, CU
082L5W107	ADOLPH	AE, GS
082L5W101	DOUGLAS LAKE ROAD	AE, GS
082L5W159	PINALUS	DE
082L5W258	PILOT	AU, CU, AG, ZN
082L5W143	KUMNER	OP, SE, AE
082L5W116	DAVE	AU
082L5W223	EXPO	AE, GS, AG
082L5W105	BLIZZARD	OP, AE, GS
082L5W144	RUBINCA MINE	AE, GS
082L5W158	CARSWELL	AE, GS
082L5W248	SWASH	AU, AG
082L5W273	WEDGE	AU, AG
082L5W269	BOUL	AU, AG

Source: British Columbia Ministry of Energy and Mines, MINFILE database available at: <http://www.em.gov.bc.ca/cim/minfile/0400.cfm>



LEGEND

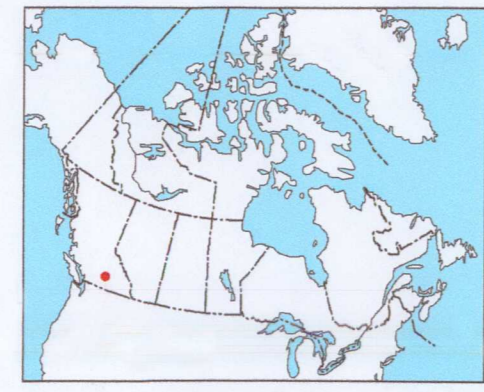
QUATERNARY
PLEISTOCENE AND HOLOCENE
Q Quaternary: Unconsolidated sediments; glacial deposits, colluvium and alluvium; few if any outcrops; probable subunit within parentheses

TERTIARY
Eocene
PENTICTON GROUP
MARION FORMATION
EMBdx Bouleau Rhyolite (Ebdx & Ebdv): Grey vitrophyric (plagioclase) aequagene dacite breccia with white to buff calcareous matrix
EMbdv Grey vitrophyric (plagioclase) dacite flows
ATTENBOROUGH CREEK FORMATION
EaA Mainly thin bedded andesite and dacite lava and breccia and some olivine basalt
EMkta Kiley Lake Member: Porphyritic (feldspar) trachyandesite flows
KAMLOOPS GROUP
Ela Sil-dike complex: Grey aphanitic or porphyritic (augite, olivine) andesite and basalt sills and dykes
DEWDROP FLATS FORMATION
Edva Grey aphanitic or porphyritic augite, olivine trachyandesite flow and interflow breccia
Edvap Grey porphyritic member: Grey porphyritic (plagioclase) trachyandesite and dacite flows
Edvax Tephra member: Grey aphanitic or porphyritic (augite +/- olivine) trachyandesite tephra
TRANQUILLE FORMATION
ETExk Establian breccia: White, buff and brown partly vitrophyric (pyroxene) aequagene latite breccia
ETar Rhyolite ash member: White rhyolite ash-tuff locally water laid; minor shale with plant debris
ETvr Rhyolite flow member: Cream, porphyritic (feldspar, hornblende, biotite) rhyolite flows; rare red and black volcanic tuffs
ETvax Mudflow member: Cream to red-brown andesite/basalt clast mudflows with crude bedding
ETsa Lithic ash-tuff member: Grey bedded basalt/andesite lithic ash-tuff
ETecg Epilite member: Pebble conglomerate, sandstone; minor shale; rare thin coal seams
JURASSIC
OKANAGAN PLUTONIC SUITE (~181 Ma; NELSON PLUTONIC SUITE)
Jomd Unfoliated to weakly foliated, medium- to coarse-crystalline biotite and/or hornblende monzonite, quartz-monzonite, diorite, quartz-diorite, granodiorite, and granite.
Jgd Weyman Creek Pluton: Unfoliated, medium- to coarse-grained biotite and/or hornblende granodiorite, granite.
Jb Adolph Creek Stock: Unfoliated, medium- to coarse-crystalline biotite and/or hornblende granite.
TRIASSIC (and/or LOWER JURASSIC)
NICOLA GROUP
uTNv Nicola volcanic rocks: Breccia, tuffs, flows, augite porphyry (may be correlative with the Lower Jurassic Rossland Group).
UPPER TRIASSIC
SLOCAN GROUP
uTSu Slocan siliceous rocks: Dark-grey argillite; biotite-schist; dark-grey calcareous argillite; dark-grey sooty phyllite; light- to medium-grey meta-siltstone; minor volcanic breccia, sandstone and agglomerate.
uTSc Slocan carbonaceous limestone: Black, fine-crystalline limestone, calcareous siltstone with shale interbeds.
Pum Barton Hill ultramafic suite (Old Dave intrusions): Ultramafic and mafic intrusions; commonly altered or serpentinized; pyroxenite, gabbro.
PERMAN
HARPER RANCH GROUP
PHRu Harper Ranch allochthonous and volcanic rocks: Predominantly metasedimentary rocks with intercalations of metavolcanic rocks; siltstone, sandstone, argillite, conglomerate, breccia, phyllite, quartzite, limestone, tuff, andesite, minor mafic, hornfels, slates.
PHRv Harper Ranch volcanic rocks: Andesite flows and agglomerate; augite and/or plagioclase phytic flows; volcanic breccia; light tuff; cherty tuff; limestone blocks.
PHRls Harper Ranch crystalline limestone: Massive light- to dark-grey crystalline limestone.
Paleozoic
CHAPPERON GROUP
PCu Predominantly phyllite to schistose quartzite, quartzose phyllite and schist, massive quartzite, biotite schist, chlorite phyllite and schist, minor crystalline limestone, chert. Quartzite and phyllite rocks appear to be meta siltstone.
PCv Metavolcanic member: Predominantly chlorite phyllite and schist, meta-diorite.
PCs Metasedimentary member: Massive quartzite, quartzose phyllite and schist, biotite schist, minor crystalline limestone.

SYMBOLS

Foliation (unclassified): inclined, horizontal, vertical
Bedding, top unknown: inclined, vertical
Bedding: Upright
Unknown (SUFLOW)
Axial plane: inclined, vertical
Mineral lamination
Fold Hinge; crenulation lamination
Outcrop
Fossil locality (Localities with no database number taken from Okulich, 1979)
Geochronology sample location
Mineral Occurrence
Geological contact: defined, approximate, assumed
Geological boundary: notional (no geological control)
Quaternary limit
Fault, extension (solid circle indicates downthrown side): defined, approximate, assumed
Syncline: upright, overturned, plunging
Anticline: upright, overturned, plunging

OPEN FILE DOSSIER PUBLIC 4374
2004
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Les dossiers publics sont des produits qui n'ont pas été soumis au processus officiel de publication de l'OGD.



Geology by P.B. Read, 1995-96, K.L. Daughtry, 1999-2002, and R.I. Thompson, 1998
Geological compilation by K.L. Daughtry and R.I. Thompson, 2003
Co-ordinated by R.I. Thompson through the auspices of the Ancient Pacific Margin NATMAP project
Digital cartography by R.F. MacLeod, 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

OPEN FILE 4374
GEOLOGY
WESTWOLD
BRITISH COLUMBIA
Scale 1:50 000/Echelle 1/50 000

Universal Transverse Mercator Projection
North American Datum 1983
© Her Majesty the Queen in Right of Canada 2004

Projection transversale universelle de Mercator
Système de référence géodésique nord-américain, 1983
© Sa Majesté la Reine du chef du Canada 2004

Digital base map from data compiled by Geomatics Canada, modified by the Geoscience Information Division
Mean magnetic declination 2004, 18°40'E, decreasing 9.5" annually.
Elevations in feet above mean sea level
Contour interval 100 feet
Universal Transverse Mercator Grid
North American Datum 1983
Zone 11

8209	8212	8211
OF 481	OF 482	
8208	8205	8206
OF 4374	OF 4375	
8201	8204	8203
OF 4373	OF 4372	

NATIONAL TOPONYM BOARD BY THE REFERENCE
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Recommended citation:
Daughtry, K.L. and Thompson, R.I. (compilers)
2004. Geology, Westwold, British Columbia; Geological Survey of Canada, Open File 4374, scale 1:50 000.