

REFERENCES

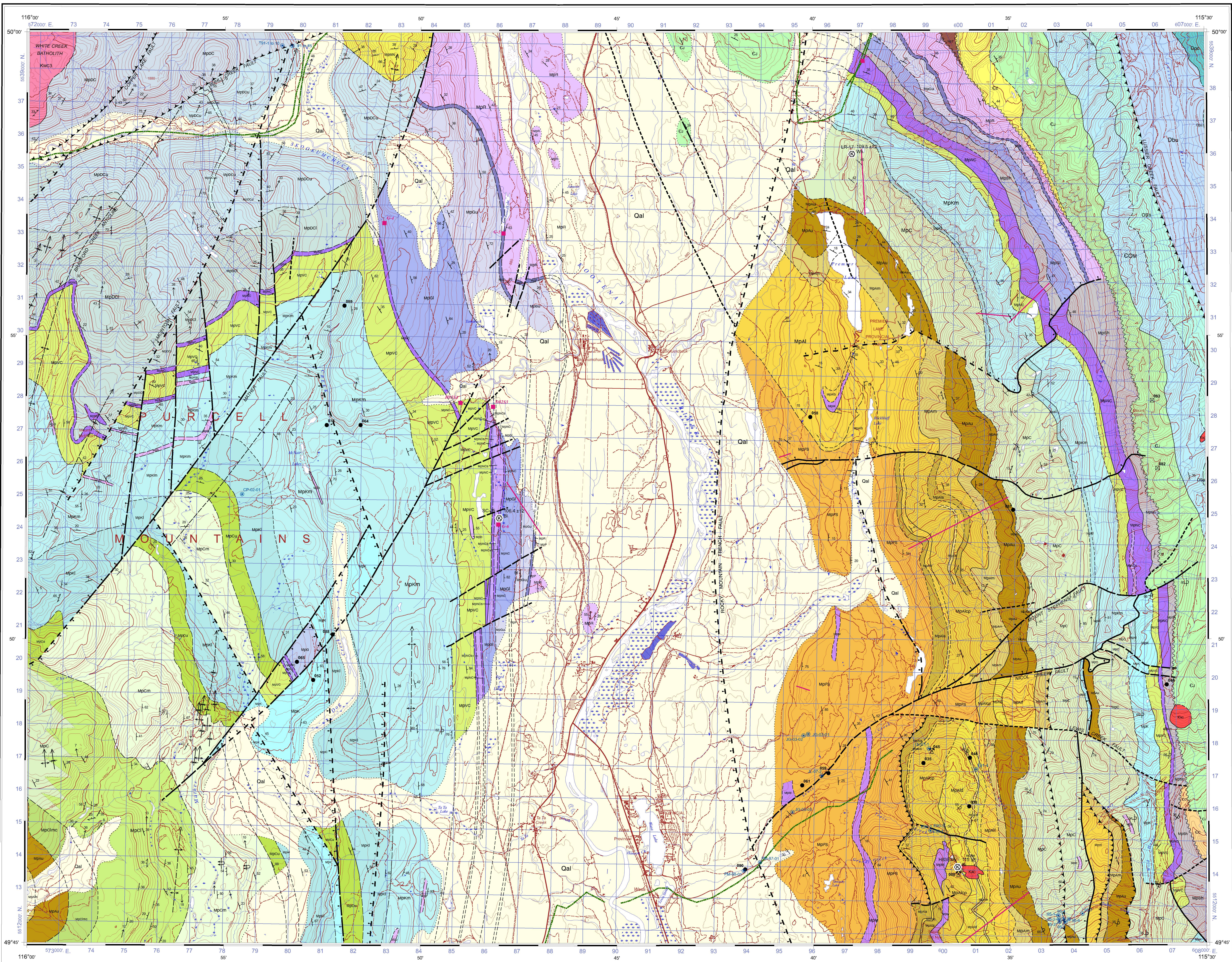
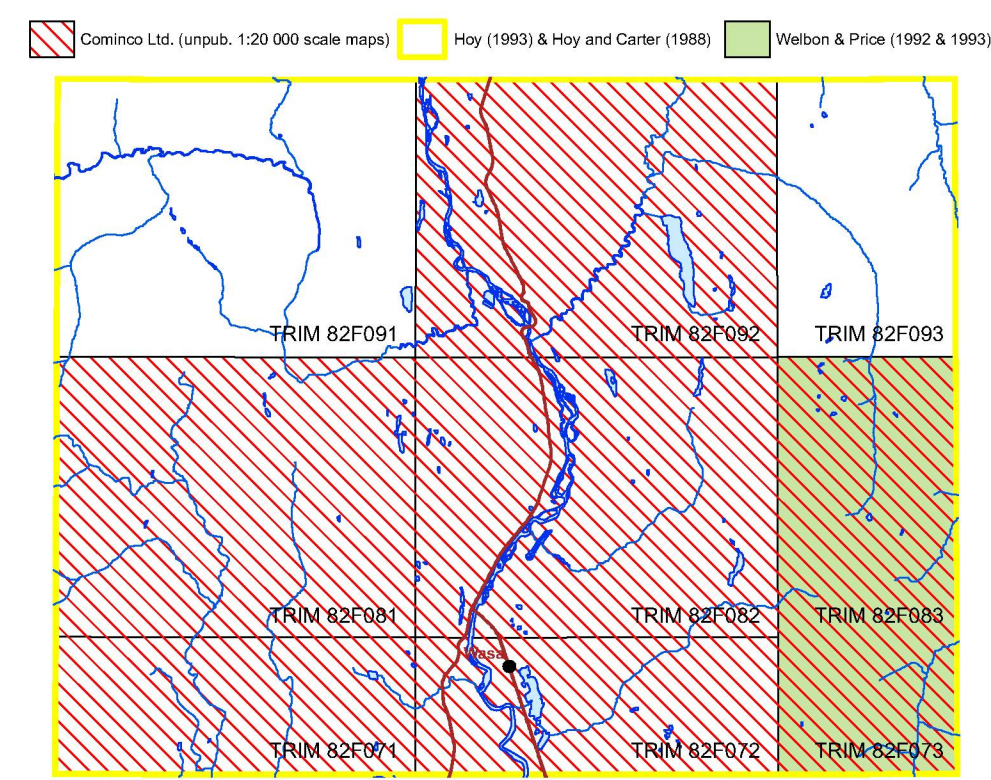
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TABLE OF MINIFILE OCCURRENCES

MINIFILE NO	NAME	STATUS	COMMODITIES
0829N008	ESTELA (L. 6111)	Past Producer	AG PB ZN CU UAU
0829N005	GOLDEN PULFEECE	Showing	CU AU AG PB
0829N009	SCOTLAND	Showing	AG AU PB ZN
0829N045	FMLY-TIGER	Past Producer	PB AG UAU
0829N046	WINDAII	Showing	CU AU AG PB
0829N049	JUNE	Showing	CU
0829N052	BEK	Showing	BA
0829N058	PRE	Showing	PB ZN CU
0829N059	LADY 19	Showing	CU AG
0829N061	LADY 20	Showing	CU
0829N064	FEDERAL	Showing	CU
0829N065	BRENDA	Showing	CU AU AG
0829N076	WINDAII (L. 6119)	Showing	CU ZN CU
0829N081	HUGHES	Showing	PB AG AU
0829N082	POORMAN	Prospect	AU AG CU ZN PB
0829N083	TOBER	Prospect	AU AG CU ZN PB
0829N089	BRANCHYEV	Showing	CU
0829N090	PAULMIKE	Showing	CU

SYMBOLS

- Geological contact: defined, approximate, assumed
- Quaternary limit of cover
- Contact between subdivided and undivided units
- Unconformity
- Fault: defined, approximate, assumed
- Fault: thrust: defined, approximate, assumed
- Fault: normal (solid circle indicates downthrown side): defined, approximate, assumed
- Bedding: horizontal, inclined, vertical
- Bedding (facing direction known): right way up, overturned, unknown
- Foliation, schistosity, fracture cleavage: inclined, vertical
- Lineation: undefined
- Geochronology: Age Method, Ar/Ar, K/Ar, Rb/Sr, Sample Number, Sm/Nd, U/Pb, (Database number, Age, Mineral marked as shown)
- MINIFILE mineral occurrence (see table): producer, past producer, developed prospect, prospect, showing, anomaly
- Drill hole and reference number
- Anticline, syncline (trace of axial surface)
- Overturned anticline, syncline (trace of axial surface)
- Approximate location of seismic line
- Location of measured stratigraphic column with name: point of section, section line
- Provincial Park Boundary



- CENOZOIC QUATERNARY**
- Qal Unconsolidated outwash, alluvium, colluvium and fill.
- PALEOZOIC DEVONIAN**
- UPPER (?) MIDDLE AND EARLIER (?) DEVONIAN FAIRHOLME GROUP AND OLDER (?)
 - Dpc Fairholme Group equivalent. Brown silty shale; grey, black shaly limestone and shale with pyritized fossils.
 - Dbu "BASAL DEVONIAN UNIT". Dark shaly limestone, nodular, brecciated; laminated gypsum sandstone, breccia, conglomerate; pebbly grits and orthoquartzite in lower part.
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN TO MIDDLE SILURIAN BEAVERFOOT FORMATION
 - OSB Beaverfoot Formation. Dolomite with nodular chert, black argillite, sandstone and conglomerate in lower part.
- CAMBRIAN AND ORDOVICIAN**
- UPPER CAMBRIAN AND LOWER ORDOVICIAN MCKAY GROUP
 - COM Quartz-mica schist; feldspathic and micaceous quartzite; marble; calc-silicates, amphibolite.
- CAMBRIAN**
- MIDDLE AND/OR UPPER CAMBRIAN JULIES FORMATION
 - CJ Dense, cherty limestone, laminated dolomite, infraformational breccia, sandstone and conglomerate.
 - LOWER AND (?) MIDDLE CAMBRIAN EAGER FORMATION
 - CE Grey argillite, silty argillite, siltstone; buff weathering, silty limestone; rare bioclastic beds.
 - CRANBROOK FORMATION
 - CC Calcite marble, dolomite marble, calc-silicate.
- PROTEROZOIC**
- NEO PROTEROZOIC WINDERMERE SUPERGROUP TOBY FORMATION
 - NDT Buff-weathering polymictic conglomerate, conglomeratic quartzite, phyllite impure quartzite, pink granitic rocks; dominantly dolomite and quartzite blocks, rare argillite fragments occur locally; variable amounts of stain from massive to foliated, with flattened clasts (chlorite-sericite schist, grey, brown, grey, and massive, marble to feldspathic argillite, calcite to boulder-sized clasts, local dolomite horizons).
 - MESOPROTEROZOIC (HELIKIAN) PURCELL SUPERGROUP DUTCH CREEK FORMATION
 - MPDC Undivided.
 - MPDCu UPPER: interbedded grey siltite and black argillite, thin to thick bedded; cm carbonate marker.
 - MPDCuc Carbonate marker.
 - MPDCl LOWER: thinly interbedded black argillite and grey siltite.
 - ROOSVILLE FORMATION
 - MPR Green siltstone and argillite, black laminated argillite, stromatolitic dolomite and dark brown oolitic dolomite, quartz arenite toward the top.
 - PHILLIPS FORMATION
 - MPp Maroon micaceous siltstone, quartz wacke and argillite.
 - SHEPPARD FORMATION
 - MPsh Sandstone and conglomerate locally at base; dolomitic quartzite, sandstone, oolitic dolomite, stromatolitic dolomite at top.
 - GATEWAY FORMATION
 - MPg Undivided.
 - MPGu UPPER: green siltstone, argillite and dolomite.
 - MPGl LOWER: quartz wacke, dolomitic sandstone, stromatolitic dolomite, oolitic dolomite, green siltstone.
 - NICOL CREEK FORMATION
 - MPNC Volcanic rocks. Massive to amygdaloidal basalt to andesite lava flows, volcanic sandstone, siltite.
 - MPNCS Volcanic siltstone, fine quartz wacke.
 - VAN CREEK FORMATION
 - MPVC Pale green, laminated siltite and argillaceous siltite and quartz wacke. Minor siltite marks, lenticular bedding, rare flattened mudcracks.
 - KITCHENER FORMATION
 - MPK Undivided sedimentary rocks. Thin bedded, brown weathering dolomitic siltstone and green argillite.
 - MPKcm MIDDLE: Dolomitic siltstone, dolomitic argillite and dolomite, commonly buff weathering argillite, siltstone, quartzite; green tinged dolomitic siltstone near base.
 - MPKl LOWER: Green, beige siltstone, dark grey argillite, dolomitic siltstone.
 - CRESTON FORMATION
 - MpC Undivided.
 - MpCu UPPER: green siltstone; black or purple argillite and siltstone.
 - MpCm MIDDLE: light grey, massive, purple, thin-to medium-bedded quartz arenite, quartz wacke, lesser grey siltite and argillite. White quartzite interbeds, lenticular bedding, nodules, cross-bedding and mudcracks.
 - MpCl LOWER: waxy green to olive with tan weathering surfaces, thin-to thick-bedded to laminated argillite and siltite. Lesser fine grained quartz wacke. Waxy bedding and abundant mudcracks.
 - MpClm Mud-cracked member.
 - ALDRIDGE FORMATION
 - MPA Sedimentary rocks: quartzofeldspathic wacke, siltstone and argillite.
 - MPAu UPPER: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite, siltite, Argillite, Tronchite.
 - MPAm MIDDLE: grey to rusty weathering, thin to thick-bedded, quartzofeldspathic wacke, interbedded argillite and siltite.
 - MPAl LOWER: rusty brown weathering, thin to medium-bedded, quartz wacke, quartz arenite.
 - MPAlc Argillite, siltstone.
 - MPArB Silty dolomite.
 - MPAlc Siltstone, argillite (dolomitic, in part).
 - MPAla Siltstone, argillite.
 - MPAlq Quartzite.
 - MPAlf Sedimentary fragmental: stratiform to discordant, matrix-supported to framework-supported, angular to rounded, fine quartz wacke fragments. Fragment sizes vary greatly - from <2mm to >2m.
 - FORT STEELE FORMATION
 - MPFS Quartzofeldspathic wacke, siltstone and argillite.
- MESOZOIC CRETACEOUS**
- BAYONNE PLUTONIC SUITE
 - Km Biotite monzogranite.
- EARLY CRETACEOUS**
- WHITE CREEK BATHOLITH
 - KWC3 Biotite monzogranite with megacrysts of potassium feldspar, apatite and pegmatite.
- INTRUSIVE ROCKS**
- PROTEROZOIC MESOPROTEROZOIC (HELIKIAN) MESHELKIAN
 - Mpb Mafic silt and rare dikes hosted in Kitchener Formation. Olive green, massive to plagioclase porphyritic.
 - MOVIE INTRUSIONS
 - MDM "Movie Sills". Dark green to black, medium to fine grained gabbro and hornblende quartz diorite sills and minor dikes. Zircon U-Pb dates circa 1467 Ma (Anderson and Davis, 1995).
- Recommended citation:**
Brown, D.A. and MacLeod, R.F. (compilers), 2011. Geology, Skookumchuck, British Columbia. Geological Survey of Canada, Open File 6301, scale 1:50 000. doi:10.4095/286543

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2011

OPEN FILE 6301
GEOLOGY
SKOOKUMCHUCK
BRITISH COLUMBIA
Scale 1:50 000/Echelle 1/50 000
Universal Transverse Mercator Projection / Projection transversale universelle de Mercator
North American Datum 1983 / Système de référence géocentrique nord-américain 1983
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