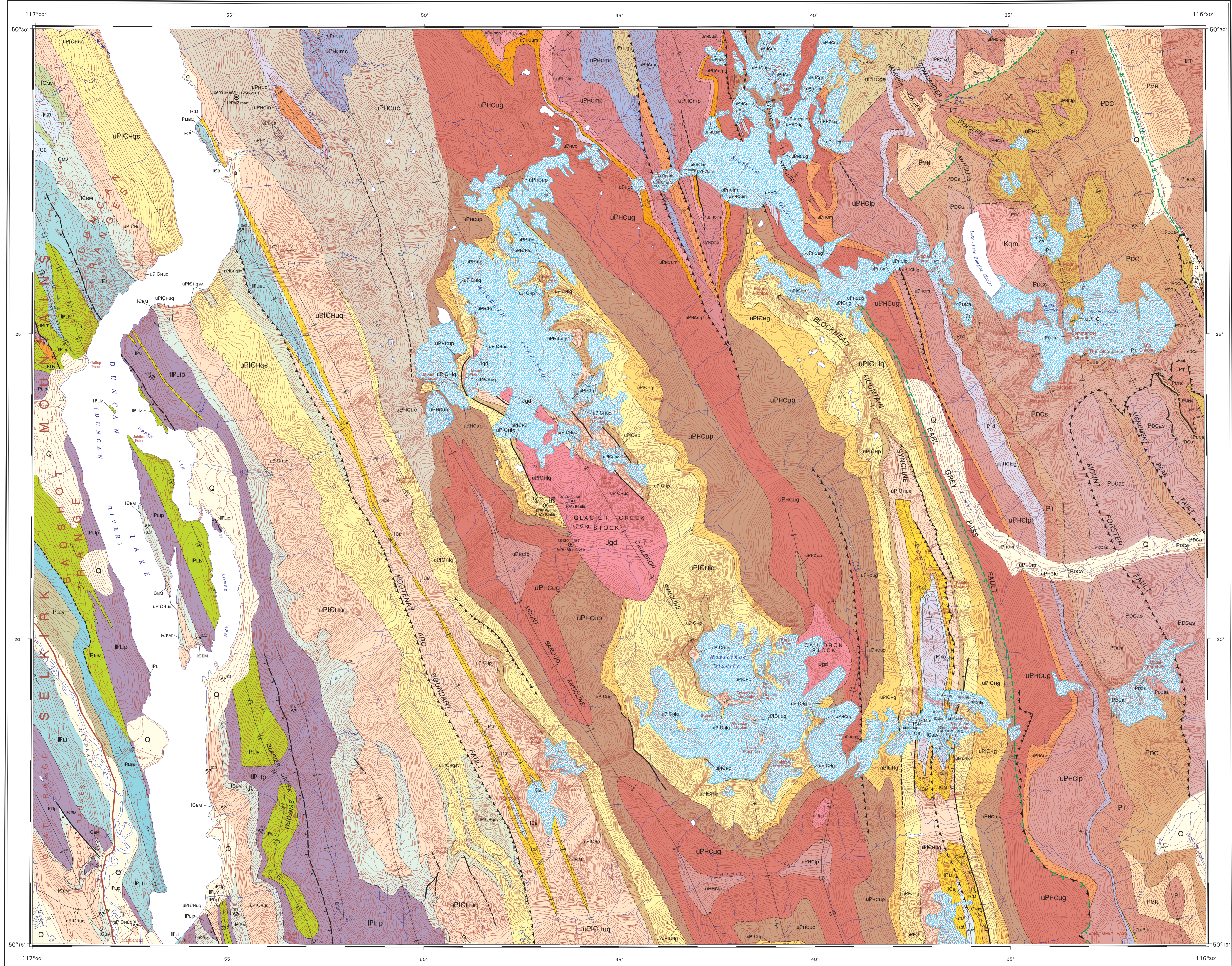


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Canadian Geochronology Knowledgebase: http://gcr.geon.gc.ca/geochron/index_e.php

MINERAL OCCURRENCE INDEX
Table with columns: MINFILE NO, NAME, COMMODITY*
Rows include: 082KSE010 (KAPPA), 082KSE012 (PRESIDENT), 082KSE013 (MAG), 082KSE018 (SUNRISE), 082KSE019 (DUNCAN), 082KSE020 (DUNCAN), 082KSE021 (DUNCAN), 082KSE022 (DUNCAN), 082KSE023 (DUNCAN), 082KSE061 (SEC), 082KSE062 (DUNCAN LAKE QUARTZITE), 082KSE074 (DUNCAN LAKE), 082KSE076 (MARBLEHEAD MARBLE), 082KSE079 (HATSCOP), 082KSE083 (ALMONAQUARTZITE), 082KSE089 (VN)



- LOWER CAMBRIAN TO LOWER ORDOVICIAN
LARDEAU GROUP
BROADVIEW FORMATION
IPLbs Grey and green phyllitic grit and phyllite
IPLv JOWETT FORMATION: Green phyllite, limy green phyllite, greenstone
IPLa ALAX FORMATION: Massive grey quartzite
IPLt TRINE FORMATION: Grey to black siliceous phyllite
IPLi INDEX FORMATION: Grey and light green phyllites, minor phyllitic limestone and quartz grit (unit 3 of Fyles, 1964)
IPLp Grey schist: Five-grained grey mica schist and garnet mica schist (unit 3a of Fyles, 1964)
IPLv Green phyllite, limy green phyllite, chlorite-actinolite schist, garnet mica schist, greenstone (units 2a and 3a of Fyles, 1964)
IPLu Ultramafic to mafic dykes or sills (intrude lower portion of Index Formation)
LOWER CAMBRIAN
ICBm BADSHOT-MOHCAN FORMATION undivided: Marble, phyllite, muscovite-quartz schist
ICMv Green phyllite, minor grey phyllite and limestone
late Neoproterozoic to Lower Cambrian
uPCHuq Upper quartzite: Upper part equivalent to MARSH ADAMS FORMATION (Fyles, 1964): interbedded grey and tan quartzite, micaceous quartzite and pelitic schist. Lower part equivalent to MT. GAMER FORMATION (Fyles and Esopwood, 1962; Reed and Wheeler, 1976): Discontinuous white quartzite
uPCHqs Lower clastic-volcanic unit: Laterally discontinuous, intercalated green, dark grey and white quartzite, dark grey schist, felspathic grit, and minor pebble conglomerate
uPCHqv Metabasite unit: Metabasite and biotite-chlorite schist, minor dolomite and grit
uPCHq Middle Pelite: Thinly interbedded graded micaceous quartzite and grey slate, phyllite or muscovite schist, minor grit and pebble conglomerate, minor dolomite and coarse dolomitic sandstone toward top
uPCHp Upper Pelite: Thinly interbedded graded micaceous quartzite and grey slate, phyllite or muscovite schist, minor grit and pebble conglomerate, minor dolomite and coarse dolomitic sandstone toward top
uPCHc Lower Pelite: Thinly interbedded finely- and thinning-upward succession of felspathic grit and pebble conglomerate and interbedded pelite and micaceous quartzite
uPCha Garnet amphibolite, apparently concordant with sedimentary contacts
uPChc Pelitic schist, calc-alkaline schist, tourmaline-muscovite schist, graded quartzite, grit, calcareous grit and marble, locally intruded by felsic dykes or sills (west of Four Squares anticline only)
uPChd Dark grey to black marble and siliceous marble or dark calcareous schist: medium grey siliceous marble or dolomite and dolomitic coarse sandstone and pebble conglomerate (stratigraphic position uncertain)
uPChm Marker Unit (Undivided): Thinly bedded tan dolomitic siltstone (upper part) and competent, homogeneous green argillite or green micaceous quartzite (lower part)
uPChn Upper Marker Unit: Rhythmically interbedded dolomitic siltstone, cream dolomite and green phyllite or slate with minor lenses of carbonate conglomerate, locally capped by black pelite and/or marble
uPChm Lower Marker Unit: Competent homogeneous green argillite or schist and minor dolomitic siltstone
uPChp Middle Pelite: Brown-weathering pelite, siltstone or quartz schist, minor grit
uPChc Middle Carbonate: Thickly interbedded and laterally continuous intervals of light to medium grey marble, siliceous marble and dark grey calcareous grit, thinners to north and west
uPChp Lower Pelite: Brown-weathering thinly interbedded slate to schist, siltstone or quartzite, dolomitic siltstone or schist, minor grit lenses
uPChc Lower Carbonate: Light grey marble and dark calcareous slate or schist
uPChga Lower Clastic: Thickly interbedded, laterally discontinuous intervals of light felspathic grit or pebble conglomerate and darker calcareous grits and marble conglomerate (eastern exposures); interbedded green and grey slate, phyllite or schist, minor grit and pebble conglomerate and siliceous marble (western exposures); proportion of argillite increases to west and north
uPChcg Lower Calcareous Clastic: Calcareous and dolomitic grit, conglomerate, coarse sandstone, slate and siliceous marble containing abundant blue and white quartz and felspar (irregular, anisitic grit and conglomerate lenses in Horseshoe Creek valley shown as dotted contact)
PT TOBY FORMATION: Homogeneous cream dolomite
PTd Diamictite, dolomite and slate: diamictite comprises well-rounded to angular pebbles to boulders primarily of quartzite, marble and dolomite in red argillaceous, grey calcareous or tan sandy matrix; upper part interbedded with and capped by felspathic grit (Horseshoe Creek valley) or by homogeneous cream dolomite (Toby and Jumbo Creeks)
PMn MOUNT NELSON FORMATION (Lower part only): Primarily white quartzite and tan micaceous quartzite, minor brown dolomite included with Windermere Supergroup based on Reed, 1978
PMN6 Purple and pale brown argillaceous and silty dolomite; minor purple siltstone and argillite; comprises mainly argillite on Sultana Peak
PMN5 Alternating horizons of light grey and cream-gray crystalline dolomite and orange-brown argillaceous dolomite
PMN4 Brownish and yellowish-orange crystalline argillite and domal stromatolite dolomite; purple and green siltstone and argillite
PMN1 White quartzite; minor dolomite sandstone, argillite, and argillaceous dolomite
Mesoproterozoic
PURCELL SUPERGROUP
PDC DUTCH CREEK FORMATION: Argillite, siltstone, minor dolomite
PDCa Grey, black, and green argillite and siltstone-argillite couplets
PDCs Pale green and brown sandstone overlain by green and grey argillite and dolomitic sandstone and capped with grey and brown dolomite, comprises mainly sandstone immediately west of F32 fault
PDCas Grey and green argillite, silty argillite, argillaceous siltstone; minor interbeds of sandstone and argillaceous dolomite

- SYMBOLS
Foliation (1st generation): inclined, horizontal, vertical
Foliation (2nd generation): inclined, horizontal, vertical
Bedding: inclined, horizontal, vertical
Layering granitoid rocks: inclined, vertical
Fold hinge: crenulation lineation
Geochronology sample (http://gcr.geon.gc.ca/geochron/index_e.php)
Mineral Occurrence
Geological boundary from Fyles, 1964; Warren, 1997; Knapick, 1985): defined, approximate, assumed
Geological boundary (interpreted by compiler): defined, approximate, assumed
Geological boundary: arbitrary
Facies boundary
Quaternary limit
Fault, contraction (teeth indicate upthrust side): defined, approximate, assumed
Fault, contraction (teeth indicate upthrust side); interpreted by compiler: defined, approximate, assumed
Fault, extension (solid circles on downthrown side): defined, approximate, assumed
Fault, combination Neoproterozoic to Early Paleozoic: extension fault reactivated as Mesozoic contraction fault
Fault, extension Neoproterozoic to Early Paleozoic (solid circles indicate downthrown side): defined, approximate, assumed
Fault, unclassified: defined, approximate, assumed
Anticline upright, overturned, plunging
Syncline upright, overturned, plunging

Map of Canada showing the location of the study area in British Columbia. Includes text: 'Compliers: R.I. Thompson and P. Dhesi', 'Geology by J.T. Fyles, 1964-62; D.W. Knapick, 1982-84; J.E. Reesor, 1953-57; M.J. Warren, 1991-94', 'Geological compilation by R.I. Thompson, 2002', 'Co-ordinated by R.I. Thompson through the auspices of the Targeted Geoscience Initiative 3 (TGI-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.'

Map metadata and scale information. Includes: 'OPEN FILE 6183 GEOLOGY DUNCAN LAKE BRITISH COLUMBIA', 'Scale 1:50 000 / Échelle 1:50 000', 'National Topographic System Reference', 'Universal Transverse Mercator Projection', 'North American Datum 1983', 'Mean magnetic declination 2009, 16°33'E, increasing 1° annually', 'Elevations in feet above mean sea level / Contour interval 100 feet', 'NATIONAL TOPOGRAPHIC SYSTEM REFERENCE', 'OPEN FILE 6183', 'Dossier public 6183', '2009', 'Les données publiées sont les données de base de la GSC. Toute autre donnée publiée est le résultat de la GSC. Les données publiées sont les données de base de la GSC. Toute autre donnée publiée est le résultat de la GSC.'