

LEGEND

WEST HALF

EAST HALF

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

28 Till, gravel, clay, silt, alluvium, (few if any bedrock exposures)

TERTIARY

MIOCENE AND/OR PLIOCENE

25 Plateau lava; olivine basalt, basalt andesite, related ash and breccia beds; basaltic arenite; 25a, olivine gabbro plugs

MIOCENE

24 DEADMAN RIVER FORMATION: shale, sandstone, tuff, diatomite, conglomerate, breccia

OLIGOCENE

23 Andesite, dacite, felsite; related tuff and breccia; greywacke, shale; minor lignite and conglomerate

EOCENE AND (?) OLIGOCENE

KAMLOOPS GROUP (21 and 22)

22 SKULL HILL FORMATION: dacite, trachyte, basalt, andesite, rhyolite, related breccias

QUATERNARY

RECENT

29 Blocky basalt flows

PLEISTOCENE AND RECENT

28 Till, gravel, clay, silt, alluvium (few if any bedrock exposures)

PLEISTOCENE OR RECENT

27 Basaltic cinder cone (incorporates cobbles of older rocks)

TERTIARY OR QUATERNARY

PLIOCENE OR PLEISTOCENE

26 26a, basaltic arenite, conglomerate, breccia, rubble; basaltic flows, locally pillowed; 26b, extinct basaltic volcanoes, basaltic flows and cinder deposits

TERTIARY

MIOCENE AND/OR PLIOCENE

25 Plateau lava; olivine basalt, basalt, andesite, related ash and breccia; basaltic arenite; minor plugs

MIOCENE

24 DEADMAN RIVER FORMATION: shale, sandstone, tuff, diatomite, conglomerate, breccia

EOCENE AND (?) OLIGOCENE

KAMLOOPS GROUP (21 and 22)

22 SKULL HILL FORMATION: dacite, trachyte, basalt, andesite, rhyolite, related breccias

EOCENE

21 CHU CHUA FORMATION: conglomerate, sandy shale, arkose, coal

MESOZOIC

CRETACEOUS

20 20a, quartz diorite, diorite, granodiorite (may include some older rocks)

APTIAN AND/OR ALBIAN

JACKASS MOUNTAIN GROUP

19 Greywacke, shale, siltstone; minor arkose and lenses of pebble conglomerate

JURASSIC (?)

18 Shale, grit

17 Chert-pebble conglomerate, greywacke

CRETACEOUS

20 RAFT AND BALDY BATHOLITHS AND SIMILAR GRANITIC ROCKS: biotite quartz monzonite and granodiorite; minor pegmatite, aplite, biotite-hornblende quartz monzonite; 20b, aplite, leuco-quartz monzonite and granite

JURASSIC

SINEMURIAN TO (?) MIDDLE JURASSIC

16 Porphyritic augite andesite breccia and conglomerate; minor andesite arenite, tuff, argillite, and flows (may include some 11); 16a, isolated areas of hornblende andesite (may be all or partly intrusive)

15 Andesitic arenite, siltstone, grit, breccia and tuff; local granite bearing conglomerate, greywacke; minor argillite and flows (may include some 11)

TRIASSIC OR JURASSIC

RHAETIAN OR HETTANGIAN

TRIASSIC OR JURASSIC

RHAETIAN OR HETTANGIAN

14 THUYA AND TAKOMKANE BATHOLITHS AND SIMILAR GRANITIC ROCKS: hornblende-biotite quartz diorite and granodiorite, minor hornblende diorite, monzonite, gabbro, hornblendite; 14a, diorite and syenodiorite; 14b, leuco-quartz monzonite and granodiorite

14 THUYA AND TAKOMKANE BATHOLITHS AND SIMILAR GRANITIC ROCKS: hornblende-biotite quartz diorite and granodiorite, minor hornblende diorite, monzonite, gabbro, hornblendite; 14a, diorite and syenodiorite; 14b, leuco-quartz monzonite and granodiorite

13 13a, fine- to medium-grained, pink to brown and grey syenite and monzonite; 13b, medium-grained, creamy-buff, locally coarsely porphyritic (K-feldspar) syenite and monzonite

TRIASSIC

KARNIAN AND NORIAN

11 NICOLA GROUP Augite andesite flows and breccia, tuff, argillite, greywacke, grey limestone; 11a, includes minor 3 and 10

TRIASSIC

KARNIAN AND NORIAN

11 NICOLA GROUP Augite andesite flows and breccia, tuff, argillite, greywacke, grey limestone

TRIASSIC

KARNIAN AND NORIAN

11 NICOLA GROUP Augite andesite flows and breccia, tuff, argillite, greywacke, grey limestone; 11a, includes minor 3 and 10

10 Black shale, argillite, phyllite, siltstone, black limestone

PALEOZOIC

PERMIAN AND/OR TRIASSIC

LATE PERMIAN (?) EARLY AND/OR MIDDLE TRIASSIC

PAVILION GROUP (7, 8)

8 Tuff, chert, argillite, limestone, greywacke, andesitic and basaltic flows

7 Chert, argillite, siltstone; minor tuff and limestone

PERMIAN

GUADALUPIAN

6 CACHE CREEK GROUP (4 to 6) MARBLE CANYON FORMATION: massive limestone, limestone breccia and chert; minor argillite, tuff, andesitic and basaltic flows

WOLFCAMPIAN TO GUADALUPIAN

5 Argillite, basaltic flows, tuff, chert, limestone

4 Basic volcanic flows, tuff, ribbon chert, limestone, argillite

PERMIAN AND/OR TRIASSIC

9 Serpentinite and serpentinized peridotite

12 12a, quartzite, quartz-phyllite, quartz-granule conglomerate, argillite, phyllite, calcareous phyllite, marble, greenschist, greenstone; 12b, dark grey and black argillite, siltstone, phyllite, minor limestone

PENNSYLVANIAN AND PERMIAN

MORROWAN TO GUADALUPIAN

3 CACHE CREEK GROUP

Volcanic arenite, greenstone, argillite, phyllite; minor quartz-mica schist, limestone, basaltic and andesitic flows, amphibolite, conglomerate and breccia; includes small bodies of 16a

MISSISSIPPIAN AND/OR LATER

SLIDE MOUNTAIN GROUP

2 FENNEL FORMATION: pillow lava flows, greenstone, foliated greenstone, greenschist, argillite, chert, minor amphibolite, limestone, breccia

WINDERMERE OR CAMBRIAN AND LATER

KAZA OR CARIBOO GROUP (1)

1 Feldspathic quartz-mica schist, locally garnetiferous, micaceous quartzite, black siliceous phyllite, quartz-hornblende-mica schist, marble, chlorite schist, greenstone, amphibolite

SHUSWAP METAMORPHIC COMPLEX

PROTEROZOIC (?)

SHUSWAP METAMORPHIC COMPLEX

A Micaceous quartzo-feldspathic gneiss, quartz-mica schist, amphibolite, micaceous quartzite, pegmatite

Geological boundary (approximate)	
Bedding, tops not indicated (inclined, vertical)	
Schistosity and cleavage (inclined, vertical)	
Fault (approximate, assumed)	
Thrust fault (approximate, assumed)	
Anticline (defined, approximate)	
Syncline (defined, approximate)	
Lination (undifferentiated)	
Small outcrop	x
Fossil locality	⊙
Mineral occurrence	XAu

MINERALS

Coal	Coal	Molybdenum	Mo
Copper	Cu	Silver	Ag
Diatomite	diat	Volcanic ash	ash
Gold	Au	Zinc	Zn
Lead	Pb		