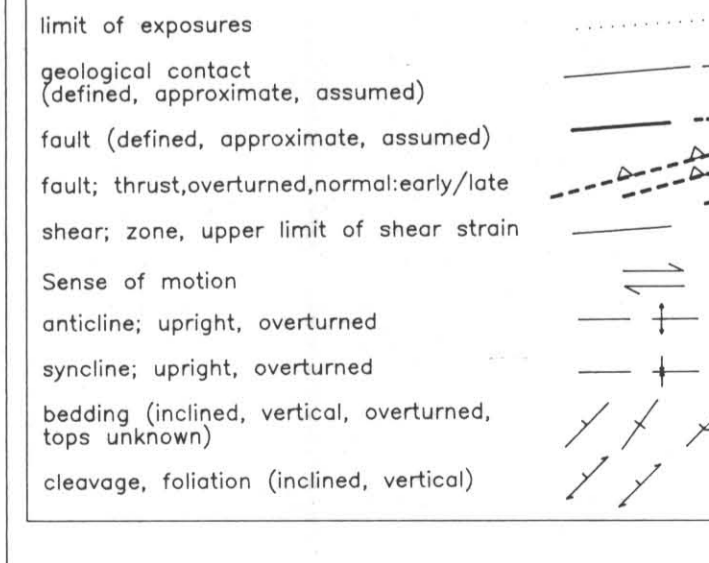


**LEGEND**

**CENOZOIC**

- TERTIARY**  
 Tr rhyolite dikes
- Eocene or Paleocene**  
 Ti hornblende-feldspar and hornblende porphyries
- MIDDLE EOCENE**  
 PEg leucocratic biotite quartz monzonite
- MIDDLE EOCENE**  
 mEc CORYELL INTRUSIONS  
 biotite monzonite, biotite-augite monzonite
- MIDDLE EOCENE**  
 mEs SHEPPARD INTRUSIONS  
 granite, rhyolite dikes
- MIDDLE EOCENE**  
 mEm MARION FORMATION  
 andesite flows, minor lapilli tuff, tuffaceous sandstone and tuffaceous conglomerate
- PALEOCENE**  
 Pgn K-feldspar megacrystic biotite-hornblende quartz monzonite

**SYMBOLS**



**MESOZOIC**

- UPPER CRETACEOUS**  
 UKsm SOPHIE Mtn FORMATION  
 coarse conglomerate with quartzite and/or siltstone clasts, minor argillite
- LOWER CRETACEOUS**  
 IKg granite, quartz porphyry
- MIDDLE TO LATE JURASSIC**  
 mJn NELSON INTRUSIONS  
 includes Nelson, Bonnington (mJb), Trail (mJt), and Muckle (mJm) plutons; porphyritic granite, granodiorite quartz monzonite and minor diorite porphyry and breccia
- MIDDLE JURASSIC**  
 mJsk SILVER KING INTRUSIONS  
 plagioclase porphyry
- MIDDLE JURASSIC**  
 Jp diorite, meta-diorite, pyroxenite
- LOWER JURASSIC**  
 Urm ROSSLAND MONZONITE  
 biotite/biotite-augite monzonite
- LOWER JURASSIC**  
 Ud diorite
- LOWER JURASSIC**  
 Ujr ROSSLAND GROUP  
 mafic to intermediate flows and tuffs, tuffites, argillaceous siltstone, turbidite siltstone and wacke, minor pebble conglomerate and subvolcanic intrusions
- LOWER JURASSIC**  
 Ujh HALL FORMATION  
 argillite, carbonaceous siltstone; minor pebble conglomerate and carbonate
- LOWER JURASSIC**  
 Uje ELISE FORMATION  
 mafic flows, pyroclastic breccia; mafic to intermediate tuffs, tuffites
- LOWER JURASSIC**  
 UJes ELISE sedimentary rock
- LOWER JURASSIC**  
 UJeu Upper Elise Formation  
 basaltic to andesitic lapilli, crystal and fine tuff, tuffaceous siltstone and conglomerate
- LOWER JURASSIC**  
 UJel Lower Elise Formation  
 basaltic flows and flow breccias, basaltic pyroclastic breccia, minor basaltic to andesitic crystal and fine tuff
- LOWER JURASSIC**  
 UJa ARCHIBALD FORMATION  
 argillite, turbidite siltstone, conglomerate and minor impure siltstone

**DEVONIAN TO EOCENE (?)**

- DEVONIAN TO EOCENE (?)**  
 tq TRAIL GNEISS  
 amphibolite and biotite gneiss, hornblende gneiss, minor schist, pegmatite and quartz
- CRETACEOUS**  
 Kg KINNARD GNEISS  
 leucocratic hornblende and biotite gneiss; with K-feldspar augen, leucocratic veins and pegmatite; amphibolite layers and boudins; granitic layers and quartz poor phases; diorite orthogneiss
- PENNSYLVANIAN (?)**  
 cg CASTLEGAR GNEISS COMPLEX  
 heterogeneous hornblende ± biotite quartz-feldspar porphyries, amphibolite, calc-silicate gneiss
- DEVONIAN**  
 Ujp JOHNSON CREEK PLUTON
- DEVONIAN**  
 qn layered granitoid gneiss and amphibolite

**LOWER JURASSIC AND UPPER TRIASSIC (?)**

- LOWER JURASSIC AND UPPER TRIASSIC (?)**  
 Ujy YMR GROUP  
 argillite, siltstone, grit, impure limestone; minor chert, wacke, generally rusty-weathering

**PALEOZOIC**

- Pms** metasedimentary rock, limestone
- PENNSYLVANIAN TO PERMIAN**  
 Pmr MOUNT ROBERTS FORMATION  
 siliceous siltstone, argillite, silty chert; minor sandstone and limestone or dolomite
- UPPER MISSISSIPPIAN TO LOWER PERMIAN**  
 Mm MILFORD GROUP  
 siliceous argillite and phyllite, grey limestone, chert
- LOWER AND (?) MIDDLE ORDOVICIAN**  
 Oa ACTIVE FORMATION  
 block limestone, slate, quartzite
- MIDDLE CAMBRIAN**  
 mCn NELWAY FORMATION  
 block limestone, calcareous argillite, slate, and phyllite
- LOWER CAMBRIAN**  
 ICib LAIB FORMATION  
 phyllite, argillite, schist, micaceous quartzite  
 Reeves (Bodshot) limestone member
- LOWER CAMBRIAN TO LATE PROTEROZOIC**  
 Ich HAMILI GROUP  
 argillite, micaceous schist, quartzite, argillite, slate, and phyllite  
 Quartzite Range Formations
- PRECAMBRIAN**  
**LATE PROTEROZOIC**  
 Wtm Windermerer Group  
 grit and quartzite, minor schist, limestone, argillite and phyllite, minor conglomerate, Three Sisters and Rock Formations
- IRENE FORMATION**  
 Wt irene formation  
 greenstone, minor argillite, limestone

**CARBONIFEROUS**

- Cs** argillite, silty argillite, siltstone; minor limestone (probably equivalent to Pms)
- um** ULTRAMAFIC ROCKS  
 serpentinite, minor dunite
- LOWER PALEOZOIC**  
 IPms quartzite, argillite, slate; minor limestone, block phyllite and schist
- IPi** LARDEAU GROUP  
 quartzite, schist, argillite, slate, limestone; minor igneous members

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