

BEDROCK GEOLOGY LEGEND

MID-CRETACEOUS

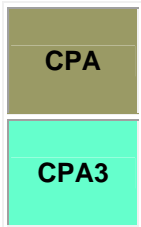


mKS: SELWYN SUITE

plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y); equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary

- f. felsic dykes (**Selwyn Suite**)
- y. mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite; hornblende syenite (**Selwyn Suite**)
- q. equigranular to porphyritic (K-feldspar) biotite +/- hornblende +/- muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts (**Selwyn Suite**)
- g. resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite (**Selwyn Suite**)

CARBONIFEROUS AND PERMIAN



CPA: ANVIL

dominantly oceanic assemblage of mafic volcanics (1), ultramafics (4), chert and pelite (2), limestone (3) and gabbroic rocks (5)

- 1. variably altered and foliated, locally augite-phyric basalt (local pillows), diorite and gabbro, chloritic greenstone, amphibolitic greenstone and amphibolite; minor metachert, siliceous argillite or siltstone, greywacke, tuff, and siliceous limestone
- 2. varicoloured metachert with partings or interbeds of phyllite and tuffaceous argillite; interbedded jasper red and apple green chert and cherty tuff; chert breccia; shale, minor greenstone, agglomerate, limestone, quartzite(?) and greywacke
- 3. light grey to buff weathering, massive fine crystalline, light to dark grey limestone and minor dolomite; light grey, massive, crinoidal limestone; limestone and polymictic conglomerate; sandy limestone, cherty limestone; marble, phyllite, meta-siltstone
- 4. dunite, peridotite, gabbro, pyroxenite, harzburgite and minor diorite, hornblende and diabase; serpentinite, orange weathering quartz carbonate rock with minor green chromian muscovite, talc-carbonate schist and carbonatized ultramafic rocks
- 5. dominantly diorite, quartz diorite, and gabbro with lesser pyroxenite or other ultramafic rocks; variably altered and foliated; local dioritic orthogneiss
- 6. eclogite

LOWER CAMBRIAN



ICG: GULL LAKE

dominantly fine clastic assemblage (1) with local volcanic units (2)

- 1. shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (+/-garnet +/-sillimanite +/-staurolite +/-andalusite) (**Gull Lake**)
- 2. dark green massive to fragmental mafic meta-volcanic and volcanoclastic rocks; siltstone and argillite