

CAINOZOIC

Qa Alluvium — clay, silt, sand, and gravel in channels

Czts Cztd

Czts Evaporite interbedded with clay and sand in playas  
Cztd Sand, silt and gypsum in stabilized dunes adjacent to playas

Czc Czg Czs Czl

Czc Colluvium — gravel, sand as sheetwash and talus  
Czg Quartzo-feldspathic sand over granitoid rock  
Czs Sandplain — yellow sand, with limonitic pisoliths near base  
Czl Laterite and reworked products, includes silicic cap on Aud

Edy

Mafic and ultramafic dykes — inferred from aeromagnetics

p q g

Veins and dykes: p — pegmatite; g — granite; q — quartz

Ag Agm Agmc Agmj Agmg Aggo Agt Agn

Ag Granitoid rock  
Agm Monzogranite; with K-feldspar megacrysts  
Agmc **COMET VALE MONZOGGRANITE:** unfoliated, mostly discordant contact with greenstones; late-tectonic, syn-D granitoid  
Agmj **JORGENSEN MONZOGGRANITE:** intense, contact-parallel foliation with steeply plunging mineral lineation; post-D to syn-D granitoid  
Agmg **GOONGARRIE MONZOGGRANITE:** contains widely spaced regional foliation; forms core to regional (D) anticlines; domal, pre- to syn-D granitoid  
Aggo **OLIVER TWIST MONZOGGRANITE:** contains minor monzogranite; strongly sheared contact with greenstone sequence  
Agt Tonalite  
Agn Granitoid gneiss; pervasively foliated, with horizontal to shallowly north-plunging mineral lineation; contains lenses of amphibolite and ultramafic schist on all scales

Apq Apa Apl Apd

Apq Porphyry, felsic, sill or dyke; plagioclase and quartz phenocrysts  
Apa Porphyry, acid to intermediate, sill or dyke; plagioclase and amphibolite phenocrysts  
Apl Hornblende lamprophyre (spessartite) dyke  
Apd Diorite dyke

Apq unless otherwise indicated

As Ash Asg Asp Asc Ac Acw Afs Alf Als

As Sedimentary rock; may contain slate, and felsic and mafic schist  
Ash Grey to black slate, and grey-white banded chert; including clastic sedimentary rock within volcanic units  
Asg Greywacke and arkose; regularly layered; occurs as biotite-feldspar-quartz schist and minor slate  
Asp Conglomerate, polyimitic; matrix-supported; pebbles and boulders consist of mainly granitoid rock, and minor mafic schist and slate  
Asc Grey to black slate and interlayered quartzo-feldspathic schist; including chert layers and lenses  
Ac Chert and silicified slate within Asc; locally mylonitic and intense intrafolial folding  
Acw Grey-white chert, finely layered or banded; locally quartz-hematite 'banded iron-formation'  
Afs Quartz-phyric muscovite schist, felsic volcanoclastic schist; locally andalusite-bearing and containing fuchsite clasts; interbedded with quartz-feldspar-muscovite schist, grey to black slate, and overlain by banded chert  
Alf Fuchsite-quartz and andalusite-quartz-fuchsite rock; massive, finely layered or complexly veined; locally interlayered with white chert and muscovite-quartz schist  
Als Fuchsite-quartz (-andalusite) rock with interlayered quartz-feldspar-muscovite schist and minor tremolite schist

Ao Aog Aox

Ao Mafic intrusive rock; including dolerite, pyroxene-phyric dolerite, and gabbro  
Aog Gabbro, differentiated  
Aox Pyroxenite; occurs as coarse-grained tremolite rock

Ab Abo Abm Abs Abp Aba Ama Amu

Ab Basalt; contains doleritic textured layers and lenses  
Abo Basalt with ocellar texture; plagioclase-tremolite/actinolite schist  
Abm Basalt with quenched pyroxene (-amphibole) texture; also ocellar-textured basalt with pillow structures; plagioclase-tremolite schist  
Abs Basalt and fine-grained hornblende schist; extensive interlayered sedimentary rock (As)  
Abp Basalt, porphyritic; medium- to coarse-grained plagioclase phenocrysts; locally extensive epidote  
Aba Amphibolite, locally basaltic or fine-grained doleritic texture preserved; local zoisite-rich layering  
Ama Amphibolite, pervasively foliated; locally garnetiferous and quartz-rich layers  
Amu Interleaved mafic and ultramafic schist; amphibolite, tremolite schist, talc-chlorite schist

Au Auk Aud Aup Aur

Au Ultramafic schist; including talc-chlorite (-carbonate) schist and tremolite-chlorite schist  
Auk Komatiite; characterized by platy olivine spinifex texture; altered to tremolite-chlorite and serpentine  
Aud Massive ultramafic rock; serpentinized dunite and peridotite (olivine cumulate)  
Aup Massive serpentinized peridotite (olivine cumulate); minor pyroxenite, gabbro and fine-grained sedimentary rock, and talc-chlorite schist  
Aur Tremolite schist; minor talc-chlorite (-carbonate) schist; local serpentinite lens; minor undeformed basalt (Abm)

PROTEROZOIC

ARCHAEAN