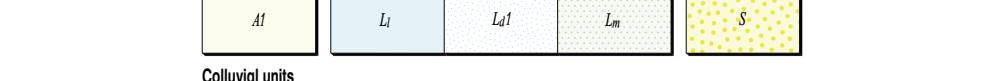


PHANEROZOIC

CAINozoic

**Colluvial units**

C Clay, silt, and sand on slopes or irregular landforms

Cf Colluvium containing common to abundant ferruginous granules, nodules, and peloids; commonly polished

Cgp Quartzofeldspathic silt and sand, typically over granitoids

Ck Colluvium containing common calcrete nodules

Cq Colluvium containing abundant vein-quartz clasts

Sheetwash units

W Clay, silt, and sand on low-gradient slopes

Wf Sheetwash containing common to abundant ferruginous granules, nodules, and peloids; commonly polished

Alluvial unit

A1 Clay, silt, sand, and gravel in active channels and on floodplains

Lacustrine units

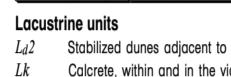
L1 Variably interbedded evaporites (carbonates, gypsum, and halite), clay, and sand, in playa lakes

Ld1 Active dune systems adjacent to playa lakes; locally gypsiferous; nonvegetated or poorly vegetated

Lm Mixed dune, evaporite, and alluvial deposits

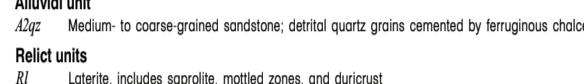
Sandplain unit

S Yellow sand, and minor silt and clay; local dunes

**Lacustrine units**

Ld2 Stabilized dunes adjacent to playa lakes; commonly vegetated

Lk Calcrete, within and in the vicinity of modern playa systems

**Alluvial unit**

A2qz Medium- to coarse-grained sandstone; detrital quartz grains cemented by ferruginous chalcedony and rarely iron oxides; bedding and grading locally present

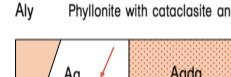
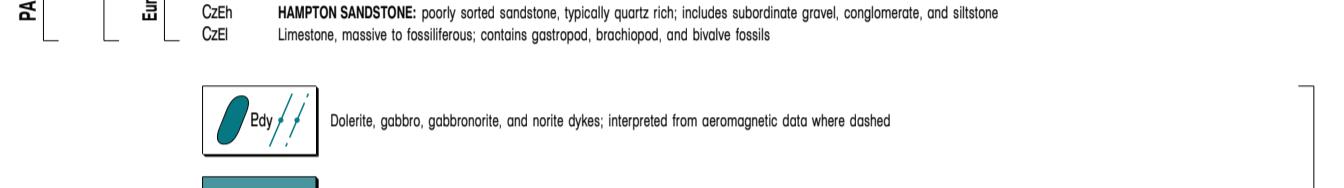
Relict units

Rl Laterite, includes saprolite, mottled zones, and duricrust

Rf Ferruginous duricrust, commonly as low hills or breakaways

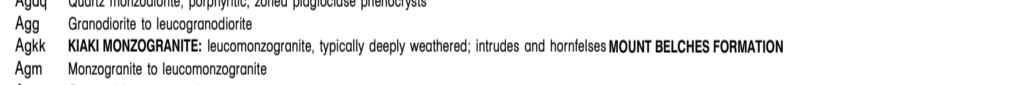
Rgpg Clay, quartz sand, saprolite fragments, and deeply weathered granitic subcrop, representing regolith deflation over granitoid

Rz Silcrete, commonly as low hills or breakaways; variably ferruginous



Alf Felsic schist

Aly Phyllonite with cataclasite and mylonite, exposed in major fault zones; typically carbonaceous



Ag Granitoid rock

Agdq Quartz monzonodiorite, porphyritic; zoned plagioclase phenocrysts

Agg Granodiorite to leucogranodiorite

Agkk KIAKI MONZOGRANITE: leucomonzogranite, typically deeply weathered; intrudes and hornfelses MOUNT BELCHES FORMATION

Agm Monzonogranite to leucomonzogranite

Agmq Quartz-rich monzonogranite

Agp Porphyritic dykes and sills, granitic to granodioritic in composition

Agpsi Porphyritic dykes and sills, granitic to granodioritic in composition, interleaved with quartz-chlorite schist (Asbi) that is rarely exposed

Agy Syenogranite and leucosyenogranite; locally porphyritic



As Metasedimentary rock, undivided

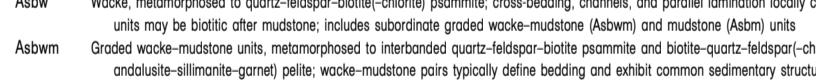
Asbi Banded felsic to mafic schist, typically chloritic, with interlayered quartz-mica schist

Ash Shale, typically carbonaceous; metamorphosed

Asq Quartz-rich metasedimentary rock, deeply weathered; graded bedding observed locally

Ac Chert; metamorphosed

Aci Banded iron-formation; metamorphosed



Asb MOUNT BELCHES FORMATION: undivided; varying proportions of wacke and mudstone, typically biotitic; rare banded iron-formation and pebbly sandstone beds; rare metasomatized variants; deeply weathered variants are abundant; metamorphosed

Asbm Mudstone, metamorphosed to biotite-quartz-feldspar(-chlorite-muscovite-staurolite-andalusite-sillimanite-garnet) pelite; platy minerals locally define bedding-parallel foliation

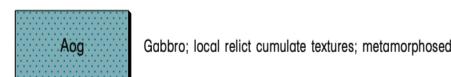
Asbn Santa Claus Member: iron formation unit comprising wacke, mudstone, and ferruginous mudstone; common Bouma sequences with magnetite concentrated in the pelitic portion; cheery iron-formation horizons; metamorphosed

Asbw Wacke, metamorphosed to quartz-feldspar-biotite(-chlorite) psammite; cross-bedding, channels, and parallel lamination locally common; tops of units may be biotitic after mudstone; includes subordinate graded wacke-mudstone (Asbwm) and mudstone (Asbm) units

Asbwm Graded wacke-mudstone units, metamorphosed to interbanded quartz-feldspar-biotite psammite and biotite-quartz-feldspar(-chlorite-muscovite-staurolite-andalusite-sillimanite-garnet) pelite; wacke-mudstone pairs typically define bedding and exhibit common sedimentary structures including grading, parallel lamination, cross-lamination, and load structures; soft sediment deformation features exposed locally include loads, flames, and slumps

Asba Metasomatized wacke and mudstone, including para-amphibolite, amphibole-bearing quartzite, biotitic psammite, and chlorite-bearing quartzite; evident as selvedges around laminated quartz veins, adjacent to faults, or as irregular masses without obvious macro-controls

Asbh Hornfelsed wacke and mudstone; varieties include biotite, hornblende, clinopyroxene, or sillimanite hornfels; primary compositional layering is preserved

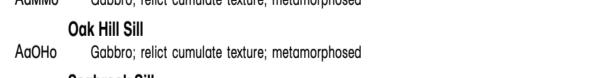


Af Felsic rock of volcanogenic origin, undivided; typically foliated and deeply weathered; metamorphosed

Atdp Porphyritic dacite to rhyodacite, volcanic or subvolcanic; metamorphosed

Afi Andesitic to dacitic volcanic rock; typically foliated and deeply weathered; metamorphosed

Afs Felsic schist of volcanogenic origin; sheared volcanoclastic rock with subordinate rhyolite; metamorphosed



Mount Monger Sill

AdMMo Gabbro; relict cumulate texture; metamorphosed

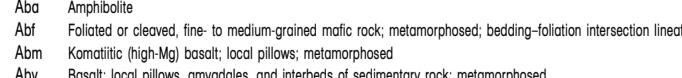
AoOHo Gabbro; relict cumulate texture; metamorphosed

Seabrook Sill

AoSEo Gabbro with subordinate pyroxenite; metamorphosed

AaSEEx Pyroxenite, gradational contact with overlying gabbro; metamorphosed

AaSEp Peridotite, commonly altered to a talc-carbonate assemblage; cumulate texture; metamorphosed



Ab Fine to medium-grained mafic rock, undivided; metamorphosed

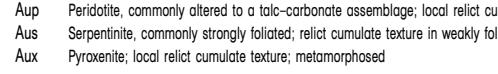
Aba Amphibolite

Abf Foliated or cleaved, fine- to medium-grained mafic rock; metamorphosed; bedding-foliation intersection lineation common

Abm Komatiitic (high-Mg) basalt; local pillows; metamorphosed

Abv Basalt; local pillows, amygdalites, and interbeds of sedimentary rock; metamorphosed

Abve Epidotized basalt



Au Ultramafic rock, undivided; local relict cumulate texture; metamorphosed

Auk Komatiite; metamorphosed (subsurface only)

Aup Peridotite, commonly altered to a talc-carbonate assemblage; local relict cumulate texture; metamorphosed

Aus Serpentinite, commonly strongly foliated; relict cumulate texture in weakly foliated units

Aux Pyroxenite; local relict cumulate texture; metamorphosed

?2705 Ma