

CAINOZOIC

| | |
|----|-----|
| Qa | Qac |
|----|-----|

Qa Clay, silt, sand and gravel in and near active stream channels; alluvial
 Qac Clay in claypans

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cza | Czb | Czc | Czd | Czf | Czg | Czk | Czl | Czp | Czq |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

| | | | |
|-----|-----|-----|------|
| Czs | Czu | Czz | Czzg |
|-----|-----|-----|------|

Cza Clay, silt and sand; pebbly in places; colluvial, distal
 Czb Clay and dune sand, adjacent to playas (clay dominant)
 Czc Gravel, talus, sand; colluvial, proximal
 Czd Quartz and gypsum dunes with minor silt and clay adjacent to playas (dunes dominant)
 Czf Pebbly colluvium and alluvium derived from laterite
 Czg Colluvial sand and gravel derived from quartzofeldspathic rock
 Czk Calcrete
 Czl Lateritic duricrust, massive and rubbly
 Czp Evaporites, sand and clay in playas
 Czq Talus and quartz-rich detritus derived from quartz veins
 Czs Sand plain
 Czu Silcrete on or derived from ultramafic rock
 Czz Silcrete over granitoid
 Czzg Silcrete and/or kaolinised granite

PERMIAN

| | |
|----|-----|
| Pt | PAf |
|----|-----|

Pt Rounded boulders and claystone derived from tillite
 PAF Paterson Formation: sandstone, pebbly to bouldery siltstone, conglomerate; fluvialite

PROTEROZOIC

| |
|-----|
| Edy |
|-----|

Edy Mafic dykes

| | | | | | | | | |
|---|---|----|----|----|---|----|---|----|
| d | g | gb | gr | lp | p | po | q | sy |
|---|---|----|----|----|---|----|---|----|

d Dolerite
 g Granite
 gb Gabbro
 gr Greisen
 lp Lamprophyre
 p Pegmatite
 po Porphyry
 q Quartz, quartzolite
 sy Syenite

| | | | | | | | | | |
|----|-----|-----|-----|------|------|------|------|-----|-----|
| Ag | Agd | Agg | Agm | Agmc | Agmf | Agmm | Agmp | Agn | Agp |
|----|-----|-----|-----|------|------|------|------|-----|-----|

| | |
|-----|-----|
| Ags | Agt |
|-----|-----|

Ag Granite, undivided
 Agd Diorite to monzodiorite
 Agg Granodiorite
 Agm Biotite monzogranite
 Agmc Coarse-grained biotite monzogranite
 Agmf Fine-grained biotite monzogranite
 Agmm Biotite monzogranite, medium-grained
 Agmp Porphyritic monzogranite
 Agn Strongly foliated granitoid with local weak and/or incipient layering (banding) +/- mafic lenses
 Agp Porphyritic granitoid
 Ags Syenite to alkali-feldspar syenite
 Agt Tonalite

| | | | | | | | | | |
|----|-----|-----|----|-----|-------|------|------|-----|-----|
| Ac | Aci | Acl | As | Asc | Ascob | Asfv | AsfW | Ash | Ass |
|----|-----|-----|----|-----|-------|------|------|-----|-----|

Ac Chert and banded chert; metamorphosed
 Aci Banded iron-formation; metamorphosed
 Acl Limestone
 As Metasedimentary rock, undivided
 Asc Polymictic conglomerate; metamorphosed
 Ascob Oligomictic conglomerate; dominantly basaltic clasts
 Asfv Undivided sedimentary (non-volcanic) and felsic volcanic rocks
 AsfW Welcome Well Complex: Volcaniclastic conglomerate, sandstone and tuff. Clasts dominantly andesite
 Ash Shale and/or slate and/or phyllite and/or claystone and/or siltstone; metamorphosed
 Ass Sandstone and/or siltstone, metamorphosed

ARCHAEOAN

| | | | | | | | | | |
|----|-----|-----|------|------|------|------|-----|-----|-----|
| Af | Afd | Afi | Afia | Afif | Afih | Afis | Afp | Afs | Aft |
|----|-----|-----|------|------|------|------|-----|-----|-----|

| |
|-----|
| Afv |
|-----|

Af Metamorphosed felsic extrusive rocks, fine-grained
 Afd Metadacite to rhyodacite
 Afi Metamorphosed intermediate extrusive rocks
 Afia Meta-andesite
 Afif Foliated hornblende-phyric intermediate lava
 Afih Hornblende (+/- plagioclase)-phyric intermediate lava
 Afis Metamorphosed intermediate extrusive rocks, schistose
 Afp Metamorphosed intrusive felsic porphyry
 Afs Quartz-feldspar schist and/or quartz-muscovite schist derived from felsic volcanic rock
 Aft Metamorphosed felsic pyroclastic +/- volcaniclastic rocks
 Afv Metamorphosed felsic volcanic or volcaniclastic rocks

| | | | | | |
|-----|------|-----|------|------|-----|
| Aod | Aodp | Aog | Aogl | Aogp | Aon |
|-----|------|-----|------|------|-----|

Aod Metadolerite +/- metabasalt +/- metagabbro
 Aodp Dolerite, porphyritic
 Aog Metagabbro, undivided; massive, equigranular or porphyritic
 Aogl Leucogabbro
 Aogp Gabbro, porphyritic
 Aon Norite, undivided

| | | | | | | |
|----|-----|-----|------|-----|-----|-----|
| Ab | Abb | Abf | Abhp | Abm | Abp | Aby |
|----|-----|-----|------|-----|-----|-----|

Ab Metamorphosed fine-grained mafic igneous rocks, undivided
 Abb Metabasalt +/- metadolerite
 Abf Mafic schist, low-grade
 Abhp Pyroxene hornfels
 Abm High-magnesium metabasalt with spinifex texture
 Abp Metabasalt +/- metadolerite, porphyritic
 Aby Metabasalt, vesicular or amygdaloidal

| | | | | |
|-----|------|-----|------|-----|
| Ala | Alax | Alf | Alqm | Ang |
|-----|------|-----|------|-----|

Ala Amphibolite
 Alax Amphibolite, with minor porphyry, aplite and schist
 Alf Quartz-feldspar schist +/- muscovite, schistose to massive quartz-clay rock +/- muscovite
 Alqm Quartz-muscovite schist +/- feldspar
 Ang Quartzofeldspathic gneiss with mafic bands

| | | | | | | |
|----|-----|-----|-----|-----|-----|-----|
| Au | Auk | Aup | Aur | Aus | Aut | Aux |
|----|-----|-----|-----|-----|-----|-----|

Au Metamorphosed ultramafic rock, undivided or unassigned
 Auk Komatiite; metamorphosed
 Aup Peridotite; metamorphosed
 Aur Tremolite schist
 Aus Serpentine, serpentine-talc rock
 Aut Talc-chlorite schist, chlorite-talc schist
 Aux Pyroxenite; metamorphosed

| |
|----|
| Aw |
|----|

Aw Weathered Archaean rock of uncertain origin