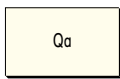


PHANEROZOIC

CAINOZOIC

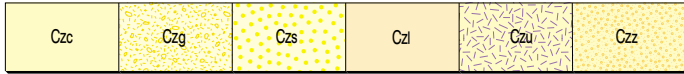
QUATERNARY



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



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

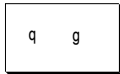


Czc Colluvium—gravel, sand, and silt as sheetwash or talus
Czg Quartzfeldspathic sand over granitoid rock
Czs Sandplain—yellow sand with limonitic pisoliths near base
Czl Laterite and reworked products; includes strongly weathered rock
Czu Silica caprock over serpentinized peridotite
Czz Silcrete

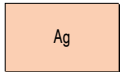
PROTEROZOIC



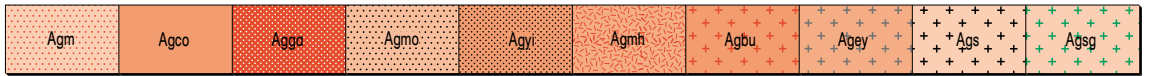
Mafic and ultramafic dykes; locally overlain by deep red, residual soil; interpreted from aeromagnetic data where dashed
Edy1—Ballona Dyke, Edy2—Celebration Dyke, Edy3—Gidgi Dyke, Edy4—Kalpini Dyke, Edy5—Parkeston Dyke, Edy6—Pinjin Dyke, Edy7—Randalls Dyke



Veins and dykes: q—quartz, g—granitoid

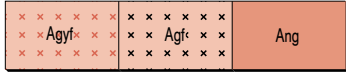


Granitoid rock, undivided; includes strongly weathered rock



Agm Monzogranite, with biotite; common K-feldspar phenocrysts; locally well foliated
Agco **COWARNA MONZOGRANITE:** with biotite
Agga **GALVALLEY MONZOGRANITE:** K-feldspar megacrysts, with biotite
Agmo **GOAT DAM MONZOGRANITE:** spaced shear zones and greenstone inclusions; with minor biotite
Agvi **YINDI MONZOGRANITE:** even-grained, with biotite
Agmh Monzogranite, with hornblende; with or without biotite; local K-feldspar phenocrysts
Agbu **BULYAIRDIE MONZOGRANITE:** K-feldspar megacrysts, with hornblende
Agey **ERAYINIA GRANITOID COMPLEX:** granite to syenite; with hornblende and/or biotite; K-feldspar phenocrysts and megacrysts; local abundant small mafic xenoliths
Ags Syenite, quartz syenite, and minor quartz monzonite; with hornblende, clinopyroxene, and/or biotite
Agsg **GILGARNA SYENITE:** with aegirine; rhythmic igneous layering

Post-regional folding



Agyf Syenogranite, strongly foliated; with minor biotite
Agf Strongly foliated to gneissic granitoid rock
Ang Banded granitoid gneiss; migmatitic, with magnetite-bearing leucosome

Pre- to syn-regional folding



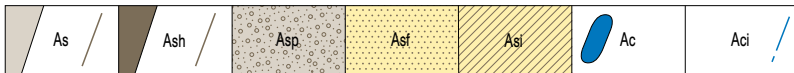
Ap Felsic porphyry, undivided; mainly quartz and/or feldspar porphyry; includes hornblende-bearing varieties and lamprophyre
App Granitoid porphyry



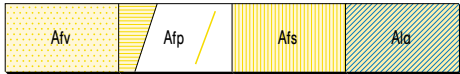
Penny Dam conglomerate:
Aspp Polymictic conglomerate, with subordinate sandstone; faceted pebbles and boulders
Asps Sandstone, with minor conglomerate and siltstone



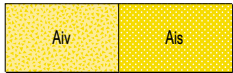
Mount Belches greywacke: greywacke with minor interbedded siltstone; cross-bedded and graded; commonly biotite bearing; carbonate alteration



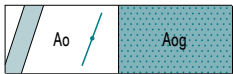
As Sedimentary rock, undivided
Ash Grey to black shale and siltstone; strongly foliated; with biotite and local andalusite, garnet, staurolite, and/or cordierite porphyroblasts
Asp Polymictic conglomerate; subordinate sandstone
Asf Quartzfeldspathic volcanoclastic rock, undivided
Asi Sedimentary and volcanoclastic rocks of intermediate composition; includes amphibole-biotite-quartz-feldspar schist; locally conglomeratic
Ac Chert, silicified shale
Aci Banded iron-formation; oxide and silicate facies layers; interpreted from aeromagnetic data where dashed



Afv Felsic volcanic and volcanoclastic rocks, undivided; includes tuffaceous, flow-banded, fragmental, and conglomeratic layers
Afp Porphyritic felsic rock; volcanic, subvolcanic, or volcanoclastic derivation
Afs Quartzfeldspathic schist; felsic volcanic and volcanoclastic derivation; layered felsic rock interpreted from seismic and gravity data (section only)
Ala Quartz-aluminosilicate rock, with andalusite and/or kyanite; includes aluminosilicate-bearing felsic schist



Aiv Intermediate volcanic and volcanoclastic rocks, undivided
Ais Intermediate schist; hornblende-quartz-feldspar schist, locally garnetiferous



Ao Mafic intrusive rock; dolerite, gabbro; includes pyroxene-phyric and plagioclase-phyric zones
Aog Gabbro, with local basal pyroxenite; norite, quartz gabbro, and leucogabbro



Ab Basalt; includes doleritic and feldspar-phyric layers and lenses, and mafic schist
Abm Komatiitic basalt or high-Mg basalt; includes variolitic and pyroxene spinifex-textured layers; local pillow structures
Abf Basaltic schist and amphibolite, interlayered with intermediate schist (Ais), feldspar-phyric felsic schist (Afs), and shale (Ash)
Ama Amphibolite, with local garnet or clinopyroxene



Au Ultramafic rock, undivided; includes talc-chlorite(-carbonate) and tremolite-chlorite schist
Auk Komatiite; includes komatiitic basalt and (leuco-)gabbro layers
Aup Peridotite, serpentinized; mainly olivine cumulate
Aux Pyroxenite
Aur Tremolite(-chlorite) schist

ARCHAIC

Metamorphosed at lower greenschist to upper amphibolite facies