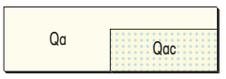
PHANEROZOIC

CAINOZOIC

QUATERNARY



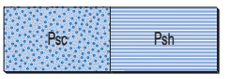
Qa Alluvium — clay, silt, sand, and gravel in channels
Qac Clay and silt in claypans

Czb Ephemeral lake and dune deposits—clay, silt, and sand in drainage basins adjacent to playa lakes; numerous claypans and channels
Czd Dune deposits—sand, silt, gypsum, and carbonate as stabilized dunes adjacent to playa lakes
Czp Playa deposits—saline and gypsiferous evaporites, clay, and sand in playa lakes
Cza Sheetwash deposits—silt, sand, and gravel; red soil plains
Czs Sandplain deposits—unconsolidated sand with minor silt and clay; includes low vegetated dunes
Czc Colluvium—gravel, sand, and silt as sheetwash and scree
Czcq Quartz vein debris
Czf Ferruginous rubble and colluvium—ferruginous rock and ironstone rubble; degraded lateritic duricrust
Czg Sand over granitoid rock—quartzo-feldspathic sand; includes areas of low, weathered outcrop

Czk Calcrete
Czl Lateritic deposits—lateritic duricrust and ferricrete; massive and rubbly
Czli Massive ironstone as ridge and capping
Czu Silica caprock over ultramafic rock
Czz Silcrete

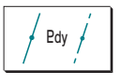
PALAEOZOIC

PERMIAN



Psc Conglomerate; polymictic, poorly sorted; fluvioglacial deposit
Psh Claystone and siltstone

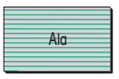
PROTEROZOIC



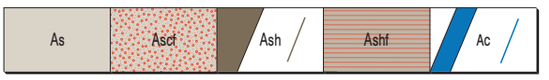
Mafic dyke; interpreted from aeromagnetic data where dashed

Veins and dykes: a—aplite, g — granitoid, lp—lamprophyre (subsurface only), p—granitoid pegmatite, q—quartz

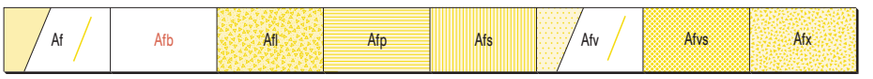
Ag Granitoid rock, undivided
Agdp Porphyritic microdiorite
Agg Granodiorite
Agm Monzogranite; fine- to coarse-grained
Agwa **WADARRAH QUARTZ MONZONITE:** hornblende quartz monzonite with local platy alignment
Agwe **WEEBO GRANODIORITE:** granodiorite, coarse-grained phase
Agwef Granodiorite, fine-grained phase



Ala Amphibole-bearing metamorphic rock; generally layered



As Metasedimentary rock, undivided; generally deeply weathered
Ascf Conglomerate with felsic volcanic rock clasts; poorly sorted; metamorphosed
Ash Shale and siltstone; metamorphosed; local andalusite, kyanite, or garnet porphyroblasts
Ashf Shale and siltstone; local quartz phenocrysts; metamorphosed
Ac Siliceous sedimentary rock and chert, mainly grey and white banded; locally ferruginous and/or pyritic; metamorphosed



Af Metamorphosed felsic igneous, and clastic rocks, undivided; generally deeply weathered
Afb Quartzo-feldspathic schist with biotite (subsurface only)
Afl Felsic lapilli tuff; metamorphosed
Afp Porphyritic felsic rock with quartz and feldspar phenocrysts; locally flow banded; metamorphosed
Afs Felsic schist
Afv Felsic volcanic and volcaniclastic rock; metamorphosed
Afvs Bedded felsic volcaniclastic rock; minor felsic volcanic rock; metamorphosed
Afx Felsic volcanic breccia; metamorphosed

Aog Gabbro; metamorphosed
Aogl Leucogabbro and minor diorite; locally magnetite-rich; metamorphosed
Aogp Plagioclase-phyric gabbro; metamorphosed
Aop Porphyritic mafic dyke; metamorphosed

Ab Metamorphosed fine- to very fine-grained mafic rock, undivided; generally deeply weathered
Aba Amphibolite
Abc Mafic rock, strongly carbonated
Abe Epidotized basalt; metamorphosed (subsurface only)
Abi Basaltic andesite and andesite; locally intrusive; metamorphosed
Abm High-Mg basalt; pyroxene spinifex texture; metamorphosed
Abp Basalt, coarsely plagioclase-phyric; metamorphosed
Abv Basalt; mainly tholeiitic, locally doleritic; moderately to strongly foliated; metamorphosed

Au Metamorphosed ultramafic rock, undivided; generally deeply weathered
Auc Talc-carbonate rock; schistose
Auk Komatiite; olivine spinifex texture; metamorphosed (subsurface only)
Aup Serpentinized peridotite; common relict cumulate texture
Aur Tremolite-chlorite(-magnetite) schist; includes foliated metakomatiite
Aut Talc-chlorite(-carbonate) rock; commonly schistose (subsurface only)

ARCHAEAN