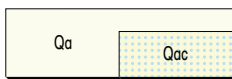
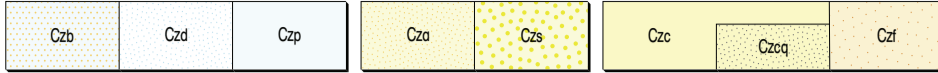


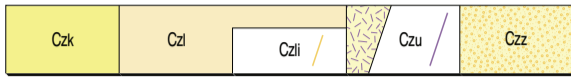
QUATERNARY



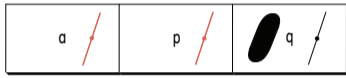
Qa Alluvium—clay, silt, sand, and gravel in channels and flood plains
 Qac Clay and silt in claypans



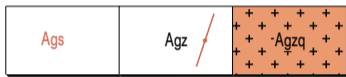
Czb Ephemeral lake and dune deposits—clay, silt, and sand in drainage basins adjacent to playa lakes
 Czd Dune deposits—saline and gypsiferous evaporites, clay, silt, and sand in playa lakes
 Czp Playa deposits—saline and gypsiferous evaporites in playa lakes
 Cza Sheetwash deposits—clay, silt, and sand in extensive sheetwash fans
 Czs Sandplain deposits—unconsolidated sand, minor silt; includes stabilized dunes
 Czc Colluvium—sand, silt, and rock debris as scree and proximal sheetwash
 Czcq Quartz vein debris
 Czf Ferruginous rubble and colluvium—degraded lateritic duricrust



Czk Calcrete
 Czl Lateritic deposits—lateritic duricrust
 Czli Massive ironstone
 Czu Silica caprock over ultramafic rock
 Czz Silcrete



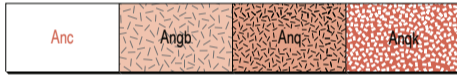
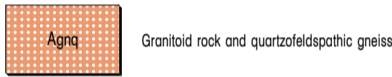
Veins and dykes: a - apelite, p - pegmatite, q - quartz



Ags Syenogranite (subsurface only)
 Agz Monzonite, undivided
 Agzq Quartz monzonite



Ag Granitoid rock, undivided
 Aga Fine-grained granitoid rock; deeply weathered
 Agd Diorite
 Agdq Quartz diorite and quartz monzodiorite
 Agf Foliated granitoid rock and minor quartzfeldspathic gneiss
 Aggp Granodiorite; porphyritic (subsurface only)
 Agm Biotite monzogranite (subsurface only)
 Agmh Hornblende monzogranite (subsurface only)
 Agmp Biotite monzogranite; coarsely porphyritic



Anc Calc-silicate gneiss (subsurface only)
 Angb Interlayered quartzfeldspathic gneiss, monzonite and metamorphosed mafic rock
 Anq Quartzfeldspathic gneiss
 Anqk Quartz-K-feldspar gneiss



As Metamorphosed clastic sedimentary rocks, undivided
 Asc Polymictic conglomerate; metamorphosed
 Ash Shale and siltstone; metamorphosed
 Ashg Graphitic shale and siltstone; metamorphosed (subsurface only)
 Ass Sandstone with minor siltstone; metamorphosed
 Ac Chert and layered chert; metamorphosed
 Aci Banded iron-formation; metamorphosed



Af Metamorphosed felsic rock, undivided
 Afd Metadacite (subsurface only)
 Afdp Porphyritic dacite; metamorphosed
 Afi Intermediate volcanic rock; metamorphosed (subsurface only)
 Afip Porphyritic intermediate volcanic rock; metamorphosed (subsurface only)
 Afp Porphyritic felsic rock; metamorphosed
 Afs Felsic schist



Aog Metamorphosed medium- to coarse-grained mafic rock, undivided
 Aog Metagabbro
 Aoge Epidotized metagabbro
 Aogf Foliated metagabbro (subsurface only)
 Aogo Olivine gabbro; metamorphosed



Ab Metamorphosed fine-grained mafic rock, undivided
 Aba Amphibolite
 Abe Epidotized metabasalt
 Abf Foliated and metamorphosed mafic rock
 Abi Basaltic andesite; metamorphosed
 Abie Basaltic andesite and andesite; foliated and epidotized; metamorphosed
 Abip Plagioclase-phyric basaltic andesite and andesite; metamorphosed (subsurface only)
 Abm High-Mg basalt; commonly with pyroxene-spinifex and variolitic texture; metamorphosed
 Abml Pillowed high-Mg basalt; variolitic texture and local pyroxene-spinifex texture; metamorphosed
 Abp Plagioclase-phyric basalt; metamorphosed (subsurface only)
 Abs Mafic schist; chlorite-rich schist, probably after basaltic volcanoclastic rocks
 Abv Metabasalt
 Aby Amygdaloidal basalt; metamorphosed



Au Metamorphosed ultramafic rock, undivided
 Auc Talc-carbonate schist (subsurface only)
 Auk Komatiite; relict olivine-spinifex texture; metamorphosed (subsurface only)
 Aup Peridotite; serpentinized (subsurface only)
 Aur Tremolite schist; probably after ultramafic rock or komatiitic basalt (subsurface only)
 Aut Talc-chlorite schist

CAINOZOIC

PROTEROZOIC

ARCHAIC