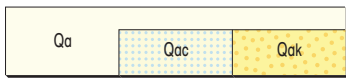
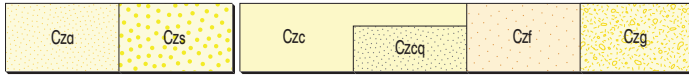


PHANEROZOIC

QUATERNARY



Qa Alluvium—clay, sand, and gravel in channels and floodplains  
 Qac Clay and silt in claypans  
 Qak Calcrete in active fluvial channels



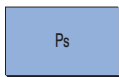
Cza Sheetwash deposits—silt, clay, and sand as extensive fans  
 Czs Sandplain deposits—unconsolidated sand; includes stabilized dunes  
 Czc Colluvium—silt, sand, and rock debris as proximal sheetwash and scree  
 Czcq Quartz vein debris  
 Czf Ferruginous rubble and colluvium—ferruginous rock and ironstone rubble  
 Czg Sand over granitoid rock—quartz-rich and quartzo-feldspathic sand



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

PALAEOZOIC

PERMIAN

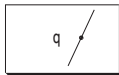


Ps Conglomerate, sandstone, and siltstone

PROTEROZOIC



Edy Mafic dyke, interpreted from aeromagnetic data



q Quartz vein



Ag Granitoid rock, undivided  
 Agg Biotite granodiorite to tonalite (subsurface only)  
 Agm Biotite monzogranite  
 Agn Gneissic granitoid and quartzo-feldspathic gneiss; includes minor amphibolite lenses  
 Agzq Quartz monzonite; commonly porphyritic

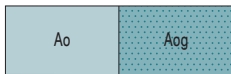


As Metasedimentary rock, undivided  
 Asc Conglomerate, pebbly sandstone, and minor siltstone; metamorphosed  
 Ascfl Conglomerate and pebbly sandstone with granitoid and felsic volcanic clasts; metamorphosed  
 Ascbl Conglomerate and pebbly sandstone with gabbro and basalt clasts; metamorphosed  
 Ash Siltstone; metamorphosed  
 Ashg Graphitic metasiltstone (subsurface only)  
 Asq Quartz-rich siltstone; metamorphosed (subsurface only)  
 Ass Sandstone; minor siltstone and conglomerate; metamorphosed  
 Ac Banded chert  
 Aci Banded iron-formation

ARCHEAN



Af Metamorphosed felsic igneous and clastic rocks, undivided  
 Afd Dacite lava; metamorphosed  
 Afi Fine-grained intermediate rock; metamorphosed  
 Afp Porphyritic felsic rock; metamorphosed (subsurface only)  
 Afr Porphyritic rhyolite-dacite lava; rarely spherulitic; metamorphosed  
 Afs Felsic schist; derived from volcanic or volcanoclastic rocks  
 Aft Felsic tuff; metamorphosed  
 Afr Felsic volcanic rock; metamorphosed



Ao Metamorphosed fine- to medium-grained mafic rock, undivided; includes some amphibolite  
 Aog Gabbro; fine- to medium-grained; includes minor leucogabbro and quartz gabbro; metamorphosed



Ab Metamorphosed fine- to very fine-grained mafic rock, undivided; locally gabbroic-textured  
 Aba Amphibolite; fine- to medium-grained  
 Abm High-Mg basalt; commonly with pyroxene spinifex texture; locally variolitic; metamorphosed  
 Abp Porphyritic basalt; metamorphosed  
 Abt Tholeiitic basalt; metamorphosed (subsurface only)  
 Aby Amygdaloidal basalt; metamorphosed (subsurface only)



Au Metamorphosed ultramafic rock, undivided  
 Auc Talc-carbonate rock  
 Aud Serpentinized dunite, with relict adcumulate texture  
 Aup Serpentinized peridotite; commonly with relict cumulate texture  
 Aur Tremolite schist; probably after pyroxenite or high-Mg basalt  
 Aut Talc-chlorite schist