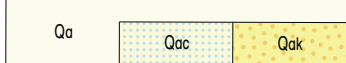


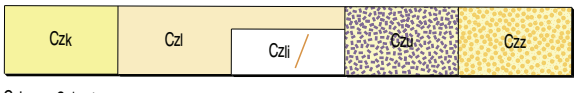
QUATERNARY



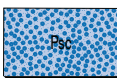
Qa Alluvium—clay, silt, sand, and gravel in channels and floodplains
 Qac Clay and silt in claypans
 Qak Calcrete in active fluvial channels



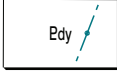
Czd Dune deposits—sand, silt, clay, and gypsum as stabilized dunes adjacent to playa lakes
 Czp Playa deposits—saline and gypsiferous evaporites, clay, and sand in playa lakes
 Cza Sheetwash deposits—clay, silt, and sand as extensive fans; commonly ferruginous
 Czs Sandplain deposits—unconsolidated sand and minor silt and clay; includes low vegetated dunes
 Czsv Unconsolidated sand and minor silt and clay, restricted to old valley systems
 Czc Colluvium—gravel, sand, and silt as sheetwash and scree; includes ironstone fragments
 Czca 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



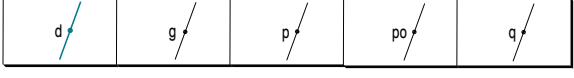
Czk Calcrete
 Czl Lateritic deposits—lateritic duricrust, massive and rubbly; iron-rich over mafic rock
 Czli Massive ironstone as ridge and capping
 Czi Silica caprock over ultramafic rock
 Czz Silcrete



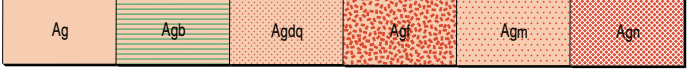
Psc Conglomerate and sandstone; poorly bedded; clasts dominated by vein quartz



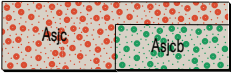
Edy Mafic dyke, interpreted from aeromagnetic data



Veins and dykes: d — dolerite, g — granitoid, p — granitoid pegmatite, po — felsic porphyry, q — quartz



Ag Granitoid rock, undivided; mainly monzogranite
 Agb Foliated granitoid rock with minor lenses of mafic rock; gneissic banding locally developed
 Agdq Quartz diorite
 Agf Foliated granitoid rock
 Agm Monzogranite
 Agn Gneissic granitoid



Asjc **JONES CREEK CONGLOMERATE** : conglomerate and sandstone; granitoid clasts and matrix dominate; metamorphosed
 Asjcb Conglomerate and sandstone; mafic matrix dominates; metamorphosed



Ala Banded amphibole-bearing metamorphic rock
 Alb Biotite schist (subsurface only)
 Aid Pelitic schist; quartz-plagioclase-muscovite(-andalusite-cordierite-biotite)
 Alhb Hornblende-biotite schist (subsurface only)
 All Chlorite schist
 Alqb Quartz-biotite schist
 Alql Quartz-chlorite schist (subsurface only)
 Alqm Quartz-muscovite schist



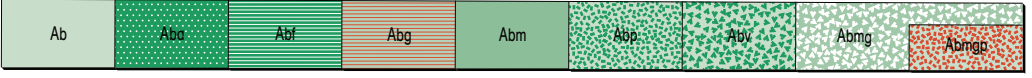
As Metasedimentary rock, undivided; includes felsic volcanic and volcanioclastic rocks
 Ash Shale, minor siltstone and sandstone, metamorphosed; slate, phyllite, and minor quartz-mica schist, locally contains andalusite porphyroblasts
 Ashc Carbonated fine-grained metasedimentary rock (subsurface only)
 Ashd Phyllite with abundant andalusite porphyroblasts
 Ashg Graphitic metasilstone
 Ass Sandstone with subordinate conglomerate and siltstone; metamorphosed
 Ac Siliceous sedimentary rock and chert, mainly grey and white banded; locally ferruginous and pyritic; metamorphosed
 Aci Banded iron-formation



Af Metamorphosed felsic igneous and clastic rocks, undivided; generally deeply weathered
 Afp Porphyritic felsic rock; metamorphosed
 Afpq Quartz-phyritic felsic rock; metamorphosed
 Afs Felsic schist
 Aft Felsic crystal tuff; metamorphosed
 Afv Felsic volcanic and volcanioclastic rocks; metamorphosed



Ao Metamorphosed fine- to medium-grained mafic rock, undivided
 Aod Dolerite; metamorphosed
 Aog Gabbro; metamorphosed
 Aogq Quartz-bearing gabbro and quartz gabbro; metamorphosed
 Aokv **KATHLEEN VALLEY GABBRO** : gabbro, undivided; metamorphosed
 Aokva Anorthositic gabbro and anorthosite; metamorphosed
 Aokvx Pyroxene-rich gabbro; metamorphosed
 Aokvg Quartz gabbro and tonalite; metamorphosed
 Aokvq Quartz-bearing gabbro and quartz gabbro; metamorphosed



Ab Metamorphosed fine- to very fine-grained mafic rock, undivided; generally deeply weathered
 Aba Amphibolite
 Abf Foliated, metamorphosed mafic rock; mafic schist
 Abg Mafic and subordinate felsic volcanic rocks intercalated with minor foliated granitoid rock; metamorphosed; gneissic banding locally developed
 Abm High-Mg basalt; metamorphosed
 Abp Basalt, plagioclase-phyric; metamorphosed
 Abv Basalt; metamorphosed
 Abmg **MOUNT GOODE BASALT** : tholeiitic basalt; metamorphosed
 Abmgp Tholeiitic basalt, plagioclase-phyric; phenocrysts up to 20 cm long; metamorphosed



Au Metamorphosed ultramafic rock, undivided
 Auc Talc-carbonate(-serpentine) rock; commonly schistose
 Auk Komatiite; olivine spinifex texture; metamorphosed (subsurface only)
 Aup Serpentinized peridotite; often silicified
 Aur Tremolite-chlorite schist
 Aut Talc-chlorite(-carbonate) schist
 Aux Pyroxenite; metamorphosed

PHANEROZOIC

PALAEOZOIC

PERMIAN

PROTEROZOIC

ARCHAEAN