

PHANEROZOIC

PROTEROZOIC

ARCHAIC

QUATERNARY

Qa

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

Czts **Cztd**

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

Czc **Czg** **Czs** **Czl** **Czr**

Czc Colluvium — gravel and sand as sheetwash and talus; includes laterite fragments
 Czg Quartz-feldspathic sand over granitoid rock
 Czs Sandplain — yellow sand with pisolitic laterite pebbles
 Czl Laterite and reworked laterite
 Czr Residual, deep red, unconsolidated soil; overlies Proterozoic mafic and ultramafic dykes

Eddy

Mafic dykes; mafic and ultramafic dykes interpreted from aeromagnetic data where dashed
 Edyc — Celebration Dyke

q/g/p

Veins and dykes: q — quartz, g — granitoid, p — pegmatite

Ag_y

Quartz syenite to alkali-feldspar granite; clinopyroxene-bearing] late tectonic

Agm **Agmo** **Agmy** **Ag_s** **Agqe**

Agm Monzogranite; mostly biotite-bearing, with local perthite megacrysts
 Agmo **GOAT DAM MONZOGRANITE**: monzogranite with minor biotite
 Agmy **YINDI MONZOGRANITE**: biotite monzogranite; foliated
 Ags Quartz syenite
 Agqe **ERAYINIA GRANITOID COMPLEX**: quartz syenite to quartz monzonite; mostly amphibole-bearing; part of granite-syenite complex

Ap **App** **Aph**

Ap Felsic intrusive porphyry
 App Plagioclase porphyry
 Aph Hornblende-plagioclase porphyry

Ash **Ashg** **Aso** **Asf** **Ac** **Aci** **Acis**

Ash Schistose rocks after shale and siltstone; mostly biotite-rich and locally garnet-bearing
 Ashg Graphitic black shale
 Aso Oligomictic conglomerate and minor sandstone; felsic volcanic clasts
 Asf Shale, siltstone, and sandstone derived from felsic volcanic rocks; mostly schistose and micaceous
 Ac Silicified shale and chert
 Aci Banded iron-formation, oxide facies; interpreted from aeromagnetic data where dashed
 Acis Banded iron-formation, silicate facies

Afv **Afp** **Afs**

Afv Felsic volcanoclastics and volcanic rock; schistose
 Afp Feldspar-quartz porphyry; with biotite; volcanic and/or subvolcanic derivation
 Afs Quartz-feldspar-mica rock, schistose; derived from Afp and/or Afv

Ali **Alk** **Alc**

Ali Felsic to mafic rock, highly schistose and recrystallized; characterized by feldspar-quartz-amphibole schist
 Alk Quartz-kyanite rock; schistose
 Alc Massive carbonate rock; recrystallized

Aiv **Ais**

Aiv Intermediate volcanic rock; andesite; with feldspar and hornblende phenocrysts
 Ais Hornblende-biotite-quartz-feldspar rock, schistose; derived from andesite

Ao **Aodp** **Aog** **Aogg** **Aogl** **Aogx** **Aox**

Ao Mafic intrusive rock, undivided
 Aodp Dolerite, with feldspar phenocrysts
 Aog Gabbro
 Aogg Glomeroporphyritic gabbro
 Aogl Leucogabbro
 Aogx Pyroxene gabbro
 Aox Pyroxenite

Ab **Abp** **Abg** **Abd** **Abdp** **Abs** **Ama**

Ab Basalt, undivided
 Abp Porphyritic basalt; plagioclase phenocrysts
 Abg Glomeroporphyritic basalt
 Abd Basalt and dolerite, undivided
 Abdp Porphyritic basalt and dolerite
 Abs Basalt, schistose
 Ama Mafic rock, amphibolitic

Au **Aud** **Aup** **Aur**

Au Ultramafic rock, undivided (subsurface only)
 Aud Dunite; serpentinized
 Aup Peridotite; serpentinized
 Aur Tremolite-chlorite rock