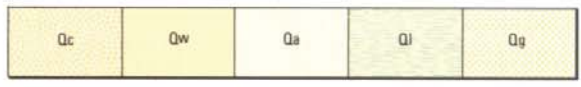
REFERENCE

CAINOZOIC

QUATERNARY



Qc Colluvium – unconsolidated quartz and rock fragments in loam, usually forms scree and talus slopes. Grades into Qw
Qw Colluvium and alluvium – unconsolidated sand and silt in sheetwash plains, often with low windblown sandbanks. Grades into Qc
Qa Alluvium – unconsolidated sand, silt and gravel in drainage lines and adjacent flood plains
Ql Lake deposits – clay, silt and grit, saline and gypsiferous
Qg Marginal lake deposits and dunes – mainly eolian quartz sand and gypsum banks, may contain small claypans

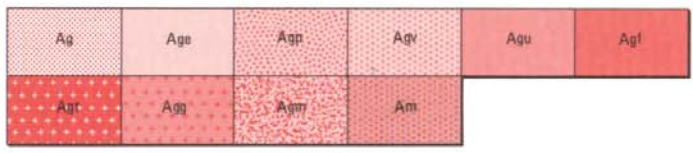
TERTIARY

Czs Eolian sand in dunes and sheets overlying laterite
Czg Lateritic gravel and sand unconsolidated, includes minor clay
Czk Valley calcrete – sheet carbonate formed around lakes and in major drainage lines

Tl Laterite, massive and pisolitic ferruginous duricrust
Ts Silcrete, siliceous duricrust with angular quartz grains

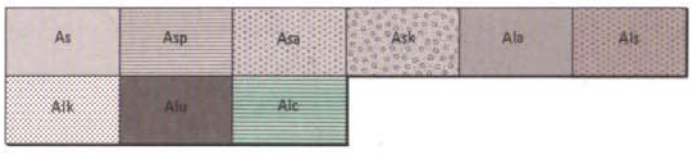
PRECAMBRIAN (A)

d Dolerite, commonly as dykes
di Diorite dyke
gg Granophyre dyke
f Felsic dyke
q Quartz vein



Ag Granitoid, undivided
Age Equigranular biotite granite, may contain some granodiorite
Agp Porphyritic biotite granite, may contain some granodiorite
Agv Medium-grained biotite granite with sparse K-feldspar megacrysts, may contain some granodiorite
Agu Medium-grained muscovite granite with sparse K-feldspar megacrysts, may contain some granodiorite
Agf Medium-grained granodiorite, may contain some granite
Agt Medium-grained tonalite
Agg Hornblende bearing granophyre
Agm Mixed granitoids – granitoids intruding granitoids
Am Mixed granitoid and supracrustal enclaves/rafts, approximately equal proportions

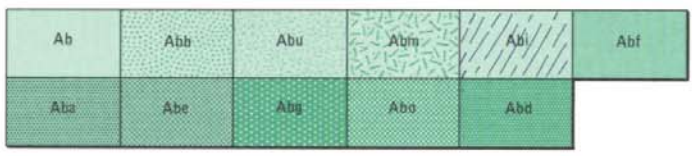
An Gneiss, undivided
Ang Granite-granodiorite gneiss may be compositionally banded
Anb Compositionally banded quartz-microcline-plagioclase-biotite gneiss. More than one phase of gneiss may be present. Banding is often complexly folded
Ana Quartz-plagioclase-epidote-amphibole-clinopyroxene gneiss



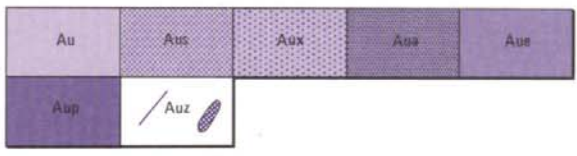
As Sedimentary rocks, undivided
Asp Shale, may contain some siltstone and sandstone
Asa Sandstone, may contain some shale, siltstone and conglomerate
Ask Arkosic sandstone, locally conglomeratic, derived from felsic igneous rocks
Ala Andalusite ± cordierite ± garnet ± staurolite bearing pelitic schist
Als Sillimanite bearing pelitic schist
Alk Kyanite bearing quartzite
Alu Corundum bearing chlorite-sericite schist
Alc Calc-silicate rock interbanded with amphibolite

Ai Banded iron-formation and chert, undivided
Aij Jaspilitic banded iron-formation, red, black and white bands (about 50% iron oxide)
Aih Quartz-hematite banded iron-formation may contain magnetite
Aic Grey-white banded chert, may contain some red bands
Aif Ferruginous chert (< 50% iron oxide)
Aia Quartz-hematite-magnetite-amphibole banded iron-formation

Af Felsic to intermediate volcanic and volcanogenic rocks (undivided)
Afv Felsic lava, rhyolite to dacite, may contain some felsic tuff
Aft Felsic tuff, rhyolite to dacite, including crystal, lithic and crystal-lithic tuffs, may contain some felsic lava
Afs Felsic volcanogenic sediments, may contain some felsic lava and tuff
Afo Felsic porphyry, quartz and feldspar phenocrysts



Ab Mafic volcanic rocks, undivided
Abb Tholeiitic basalt, fine-grained, may be variolitic or porphyritic, usually intruded by minor dolerite and gabbro sills. May contain minor Abu units
Abu High-Mg basalt, pyroxene needle spinifex texture, generally pseudomorphed by amphibole, may be variolitic, usually intruded by minor dolerite, gabbro and ultramafic sills. May contain minor Abb units
Abm Mafic volcanics consisting of Abb and Abu units, usually intruded by minor dolerite, gabbro and ultramafic sills
Abi Mafic rocks and minor ultramafic rocks interlayered with banded iron-formation
Abf Chlorite ± amphibole ± carbonate schist
Aba Amphibolite, fine to medium-grained
Abe Amphibolite, coarse-grained
Abg Gabbro, medium to coarse-grained
Abo Leucogabbro, <30% mafic minerals, usually contains quartz
Abd Dolerite, fine to medium-grained, ophitic texture



Au Ultramafic rocks, undivided
Aus Serpentinite, cumulate texture may be preserved
Aux Pyroxenite
Aua Mg-amphibole ± chlorite ± talc schist
Aue Talc-carbonate rock, commonly schist
Aup Peridotite, minor serpentinite
Auz Silicified ultramafic and high-Mg basaltic rocks, usually forming a caprock

All Precambrian rocks are regionally metamorphosed with the exceptions of late cross-cutting dykes and post-tectonic granitoids