

PHANEROZOIC

PROTEROZOIC

ARCHAIC

QUATERNARY

CAINOZOIC

Qa Alluvium—clay, silt, sand, and gravel; in stream channels and flood plains

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

Czc Colluvium—gravel and sand as sheetwash and talus
Cza Colluvium—ferruginous clay, silt, and sand as extensive sheetwash fan
Czg Quartzo-feldspathic sand over granitoid rock
Czs Sandplain—yellow sand with some pisolitic laterite pebbles; includes stabilized dunes
Czl Laterite
Czz Silcrete

E_{dy} Mafic and ultramafic dykes; interpreted from aeromagnetic data where dashed
E_{dyi}—Pinjin Dyke

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

Ag Granitoid rock, undivided; includes altered and weathered rock
Agm Monzogranite; with biotite
Agmg GALVALLEY MONZOGRANITE: with biotite; prominent K-feldspar megacrysts; local foliation defined by aligned K-feldspar and biotite
Agd Diorite to local quartz (monzo)diortite; with clinopyroxene and hornblende; small dykes and stocks
Agf Strongly foliated granitoid rock; local gneissic layering; includes amphibolite lenses
Agmf Strongly foliated monzogranite, medium- to coarse-grained, with biotite; with minor granodiorite and pegmatite dykes

Ang Banded granitoid gneiss; locally migmatitic; coarse leucosomes with garnet or magnetite

A_{pq} Felsic porphyry with feldspar and/or quartz phenocrysts
A_{ph} Plagioclase-hornblende porphyry
A_{pg} Granitoid porphyry; small dykes; foliated

A_{pq}, unless otherwise indicated

c Massive carbonate alteration of precursor rock; strongly schistose

As Sedimentary rock, undivided
Ash Grey slate, siltstone, and fine-grained sericitic schist; well-foliated; with local cordierite, biotite, or garnet
Asf Quartzo-feldspathic, micaceous slate, siltstone, and sandstone; commonly schistose; interlayered with feldspar-phyrlic schist of felsic volcanic and volcanoclastic derivation; includes chloritic and carbonate-bearing schist
Ac Chert, locally grey-white banded; includes partly silicified, grey to black slate; locally pyritic or magnetite-bearing
Aci Banded iron-formation, oxide facies; finely layered quartz-magnetite rock interleaved with chert and siliceous slate; interpreted from aeromagnetic data where dashed
Acis Banded iron-formation, silicate facies; quartz-magnetite (-grunerite-hornblende) rock

Afv Felsic volcanic and volcanoclastic rock; foliated; with prominent feldspar and/or quartz phenocrysts or clasts; includes fragmental rock
Afs Quartzo-feldspathic micaceous schist; locally feldspar- and/or quartz-phyrlic; felsic volcanic, subvolcanic, and/or volcanoclastic derivation
Ala Quartz-aluminosilicate rock, with highly poikilitic andalusite and minor kyanite; local quartz clasts

Aiv Intermediate volcanic rock; andesite to andesitic basalt with plagioclase and hornblende phenocrysts; fragmental textures common; variably foliated; chlorite and carbonate alteration common; interlayered with intermediate schist (Aisc)
Ais Intermediate schist; hornblende-quartz-feldspar schist; irregular hornblende content; locally feldspar-phyrlic or garnetiferous; interlayered with felsic and mafic schists
Aisc Intermediate schist, strongly foliated and altered; with feldspar clasts and chlorite aggregates; includes chlorite-carbonate, chlorite-sericite and epidote-chlorite schists

Ao Mafic intrusive rock, undivided; dolerite-gabbro
Aog Gabbro; with minor pyroxenite and quartzgabbro

Ab Basalt, undivided; includes hornblende-feldspar and chlorite schist
Abm Komatiitic basalt; fine- to coarse-grained amphibole (after pyroxene) spinifex texture; fine-grained rock commonly variolitic
Abi Basalt to andesitic basalt, with quartz-filled amygdalites; locally feldspar-phyrlic; hyaloclastic layers; epidote alteration; hornblende-feldspar schist with stretched quartz aggregates
Abd Basaltic schist and amphibolite; with epidote and clinopyroxene-epidote aggregates
Abf Basaltic schist interlayered with feldspar-phyrlic felsic schist (Afs) and intermediate schist (Ais)
Ams Mafic to intermediate schist; fine layering, locally lensoidal; small hornblende and/or feldspar clasts
Ama Amphibolite and quartz-feldspar-hornblende schist; pervasively foliated and recrystallized; generally banded; with local clinopyroxene or garnet

Au Ultramafic rock, undivided; includes talc-chlorite schist
Auk Komatiite, serpentized; rare olivine spinifex textures; dominated by olivine cumulate and pyroxene spinifex layers; with minor interflow slate
Aup Peridotite, serpentized; with scattered poikilitic pyroxene phenocrysts
Aur Tremolite schist
Aurp Tremolite schist, locally massive; with relics of amphibole phenocrysts after pyroxene

Metamorphosed or greenschist to upper amphibolite facies