

PHANEROZOIC

QUATERNARY

CAINOZOIC

PALAEZOIC

PERMIAN

**Qa** Alluvium—clay, silt, sand, and gravel in channels and floodplains

**Czb** Ephemeral lake and dune deposits—evaporite, clay, silt, and sand in dunes, drainage basins, claypans, and channels surrounding major saline lakes

**Czd** Dune deposits—sand, silt, and gypsum as stabilized dunes adjacent to playa lakes

**Czp** Playa deposits—saline and gypsiferous evaporites, clay, silt, and sand in playa lakes

**Cza** Sheetwash deposits—clay, silt, and sand as extensive fans; locally ferruginous

**Czs** Sandplain deposits—unconsolidated yellow sand; minor silt and clay; includes stabilized dunes

**Czc** Colluvium—gravel, sand, and silt as proximal sheetwash and talus; locally ferruginous

**Czf** Ferruginous gravel and reworked laterite

**Czg** Sand over granitoid rock—quartzofeldspathic sand; includes scattered granitoid outcrop

**Czl** Ferruginous duricrust, massive and rubby

**Czu** Silica caprock over ultramafic rock; locally includes chalcocony and chrysoprase

**Czz** Silcrete; minor laterite and ferruginous gravel

**Ps** Sandstone and quartzose pebble conglomerate

**E<sub>dy</sub>** Mafic and ultramafic dykes  
Edyi—Pinjin Dyke

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

**Ag** Granitoid rock, undivided; includes altered and weathered rock

**Agau** **McAULIFFE WELL SYENITE:** coarse-grained; K-feldspar megacrysts

**Agbu** **BULLA ROCKS MONZOGRANITE:** biotite monzogranite; with hornblende and biotite on the margin

**Agda** **DAIRY MONZOGRANITE:** biotite monzogranite

**Agdp** Monzodiorite, porphyritic; with plagioclase phenocrysts, K-feldspar megacrysts, and minor quartz phenocrysts

**Agf** Strongly foliated granitoid rock

**Agfr** **FRIDAY MONZOGRANITE:** biotite monzogranite

**Agg** Granodiorite, tonalite, and diorite; with biotite(–hornblende)

**Agga** **GALVALLEY MONZOGRANITE:** biotite monzogranite; locally foliated

**Agm** Biotite monzogranite, commonly with K-feldspar megacrysts

**Agma** **YARRI MONZOGRANITE:** biotite monzogranite; pervasively foliated

**Agmf** Strongly foliated biotite monzogranite

**Agmh** Hornblende-biotite monzogranite

**Agmn** **MENANGINA MONZOGRANITE:** biotite monzogranite; cut by pegmatite and aplite dykes

**Agmn** **JUNGLE MONZOGRANITE:** biotite monzogranite

**Agop** **PORPHYRY QUARTZ MONZONITE:** with biotite and prominent K-feldspar phenocrysts

**Agp** Porphyritic granitoid rock

**Ags** Syenite and quartz syenite; with minor monzodiorite

**Ang** Banded granitoid gneiss; locally migmatitic; schistosity commonly folded

**Ald** Quartz–aluminosilicate rock, with andalusite and/or kyanite

**As** Sedimentary rock, undivided; includes felsic volcanic and volcanioclastic rock; metamorphosed

**Asc** Polymictic conglomerate with subordinate sandstone; massive to strongly foliated; metamorphosed

**Asf** Volcanioclastic and sedimentary rock, foliated; includes quartzofeldspathic schist; locally contains mafic schist

**Asg** Greywacke, with pebbly layers and minor siltstone; metamorphosed

**Ash** Shale, siltstone, and chert; metamorphosed; locally ferruginous; slate and fine-grained sericite schist

**Ac** Banded chert and silicified slate; locally ferruginous; metamorphosed

**Aci** Banded iron-formation; finely bedded; metamorphosed

**Af** Felsic volcanic and volcanioclastic rock, undivided; metamorphosed; includes deeply weathered and kaolinized rock

**Afi** Intermediate volcanic and volcanioclastic rock, mainly andesite; locally feldspar–hornblende-phyric; metamorphosed

**Afis** Hornblende–quartz–feldspar schist, derived from andesitic rocks; locally carbonated

**Afs** Quartz–feldspar–mica schist, locally mylonitic

**Aft** Felsic tuff, with lithic fragments; metamorphosed

**Afv** Felsic volcanic rock; locally feldspar(–quartz)-phyric; includes volcanioclastic rock; metamorphosed

**Ao** Dolerite and gabbro, undivided; minor basalt; metamorphosed

**Aod** Dolerite and quartz dolerite; medium-grained; metamorphosed

**Aog** Gabbro; medium- to coarse-grained; minor leucogabbro; metamorphosed

**Aogk** **KILKENNY GABBRO:** tholeiitic gabbro sill; metamorphosed

**Aogl** Leucogabbro; metamorphosed

**Ab** Metamorphosed basalt; includes minor metagabbro and mafic schist; generally deeply weathered

**Aba** Amphibolite and hornfels; includes basaltic schist

**Abc** Basalt, carbonated; metamorphosed

**Abf** Strongly foliated, fine-grained mafic rock; metamorphosed; includes amphibolite and mafic hornfels; local epidote alteration

**Abi** Basaltic andesite; locally feldspar-phyric; metamorphosed

**Abm** High-Mg basalt; includes variolitic and pyroxene spinifex-textured basalt; metamorphosed

**Abmf** Strongly foliated high-Mg basalt; metamorphosed

**Abp** Basalt, with medium- to coarse-grained feldspar phenocrysts; includes minor feldspar-phyric gabbro; metamorphosed

**Abv** Amygdaloidal or vesicular basalt, mainly tholeiitic; massive to foliated; metamorphosed

**Au** Ultramafic rock, undivided; metamorphosed

**Auk** Komatiite; relict olivine spinifex texture; metamorphosed

**Aup** Peridotite; commonly serpentinitized; relict olivine cumulate texture; metamorphosed; includes talc–chlorite schist

**Aur** Tremolite–chlorite schist and talc–chlorite schist

**Aux** Pyroxenite; metamorphosed

PROTEROZOIC

ARCHAean