Colluvium-gravel, sand, and soil; may include laterite debris

Feldspar-rich sands developed from underlying Proterozoic dykes

Quartz- and feldspar-rich sands developed from underlying granitoid rock

PROTEROZOIC

LERTIAR Tes

Czc

Czg

Czy

Czi

EUNDYNIE GROUP: sandstone, siltstone, mudstone, spongolitic siltstone, calcareous siltstone, bioclastic calcarenite, bituminous siltstone; includes poorly indurated laterized caprock; Eocene

Laterite and ferruginous deposits-mainly ferruginous laterite and minor siliceous laterite; includes denuded ferricrete

Pdy **P**djn

Mafic and ultramafic dykes: inferred from geromagnetic data and air photo lineaments where dashed Pdy

Norite in JIMBERLANA DYKE **Pdjn** Pyroxenite in JIMBERLANA DYKE Pdjx

q—Quartz vein; q—Major auriferous quartz veins; inferred or concealed by tailings where dashed: Cro — Crown reef; Mar — Mararoa reef; Nor —Norseman reef Dykes: p-pegmatite, g-granitoid, a-aplite



Ag Agg Granodiorite Monzogranite Agm Agy Syenogranite



BULDANIA GRANITOID COMPLEX: major composite batholith; limited outcrop dominated by seriate biotite-hornblende granodiorite

PIONEER GRANITOID COMPLEX: monzogranite; part of monzogranite-orthogneiss complex

THEATRE ROCKS MONZOGRANITE: subequigranular, fine- to medium-grained biotite monzogranite to granodiorite and the subequigranular is a subequigranular of the subequigranular

Agmg GOODIA MONZOGRANITE: equigranular, fine- to medium-grained biotite monzogranite to granodiorite with strongly foliated margins (Agn)

Agmd LAKE DUNDAS MONZOGRANITE: sub-equigranular, medium- to coarse-grained biotite monzogranite

Agtb LAKE BRAZIER TONALITE: highly variable biotite and hornblende-bearing tonalite to granodiorite

post-D₂ to syn-D₃ ('diapiric') 'late tectonic

Gneissic granitoid; generally occurs marginal to central monzogranite plutons; local mafic enclaves Agn

Complexly deformed, massive and foliated quartzo-feldspathic rocks; gneissic in part; contains minor calc-silicate and mafic components An

Orthogneiss: interlegaed with amphibolite



Felsic dyke; commonly with quartz and/or feldspar phenocrysts



As Clastic sedimentary rock, undivided; local conglomerate beds

Felsic volcaniclastic rock, coarse- to fine-grained; includes minor andalusite-mica schist Asf

Asq Cream and brown, layered, foliated and mylonitic quartzite and associated fine-grained siliceous rocks

Asp Polymictic conglomerate and breccia

Grey- black shale and slate, partly silicified; common as interflow sedimentary rocks

Clastic and sedimentary rocks: includes polymictic conglomerate (locally important felsic volcaniclastic component and associated massive iron sulphide body), pelite

(biotite-andalusite and garnet-magnetite-biotite rocks), and para-amphibolite (grunerite and hornblende schists) Ferruginous sandstone, green quartzite, mica schist Asnf

Acv Acws Acb Acc Aci Acs

Aci Banded iron-formation—layered quartz-hematite-magnetite rock; massive and layered gossanous ironstone

Chert and fine-grained siliceous sedimentary rocks (shale and mudstone) Acs

Acw Grey-white banded chert and rare jasper, locally iron-rich; includes silicified grey-black shale, siliceous mylonite and minor shale and slate (Ash)

Ferruginous schist Acb

Brown, fine-grained quartzo-feldspathic rock associated with grey-white banded chert; includes local banded chert pebbles Acc Conglomerate and breccia with chert clasts and fine-grained siliceous matrix



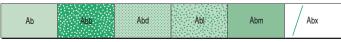
Af Felsic volcanic and/or volcaniclastic rocks; deformed Afr Banded quartz-phyric rhyolite

Afs Quartz-muscovite schist

Aog Aodp Aogn Aogt

Aod Dolerite dykes and sills Feldspar-phyric dolerite Aodp

Aog Gabbro



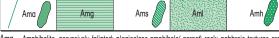
Massive and pillowed basalt, fine- to medium-grained; includes doleritic- to gabbroic-textured interiors in thicker units, local variolitic textures, and a significant intrusive component present as sills and dykes near the base of the mafic pile

Abb Massive and pillowed basalt, fine- to medium-grained; minor intrusive dolerite; local variolitic textures in pillowed basalt

Doleritic- to gabbroic-textured basalt, weakly to moderately foliated; pillow structures preserved locally Abd

Abl Pillow basalt Abm

High-Mg basalt, medium- to coarse-grained, amphibole spinifex textured (basaltic komatiite) Abx Basaltic fragmental rock, includes hyaloclastite peperite and related volcanogenic rock



Ama Amphibolite, pervasively foliated; plagioclase-amphibole(-garnet) rock; gabbroic textures are preserved locally in low strain domains Amg

Amphibolite with significant amounts of interleaved deformed granitoid and massive to foliated quartzo-feldspathic rock

Ams Mafic and ultramafic schist; chlorite-rich Aml Banded hornblende-plagioclase amphibolite

Amh Grunerite-hornblende-magnetite-plagioclase rocks; moderately to weakly foliated

Au Aus Auk Aup Aupm / Aupt Aux Auxm Auxt

Au Ultramafic rock, undivided; includes massive serpentinite and talcose rocks Aus

Massive, fine-grained serpentinite

Auk Komatiite characterized by platy olivine spinifex texture; serpentinized

Aup Peridotite with olivine orthocumulate texture; includes subordinate komatiite (Auk) Aupm Peridotite in the MISSION SILL

Aupt Peridotite in the MOUNT THIRST SILL Aux Pyroxenite; includes cumulates and minor tremolite chlorite schist

Auxm Pyroxenite in the MISSION SILL Auxt Pyroxenite in the MOUNT THIRST SILL; includes dunite and olivine bronzitite layers and minor peridotite