

Colluvial units, age undivided or unassigned
C Colluvium derived from different rock types; includes gravel, sand, and silt
Cf Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust
Cg Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products
Cq Quartz-vein debris on colluvial footslope
Cf Ferruginous gravel and reworked ferruginous duricrust
Cgpg Quartzofeldspathic gravel, sand, and silt commonly derived from granitic rock and associated weathering products

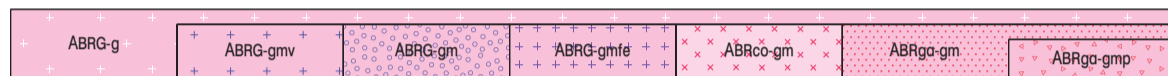
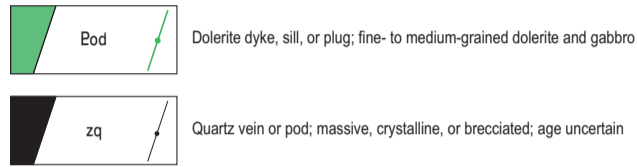
Sheetwash units, age undivided or unassigned
W Clay, silt, and sand in extensive fans; local ferruginous gravel
Wf Clay, silt, and sand on sheetflood fan; local ferruginous gravel
Wf Clay, silt, and sand with abundant ferruginous grt
Wg Clay, silt, and sand sheetwash deposits, commonly derived from granitic rock

Alluvial units, age undivided or unassigned
A Clay, silt, sand, and gravel in channels and on floodplains
Au Clay, silt, sand, and gravel on alluvial plains
Ac Clay, silt, sand, and gravel in fluvial channels
Ak Calcrete and carbonate-cemented alluvium in fluvial channels
Ad Clay, silt, and sand in braided swales on floodplains
Af Clay, silt, and sand on floodplains

Eolian unit, age undivided or unassigned
Eqg Eolian sand, in sheet deposits and dunes; iron-stained

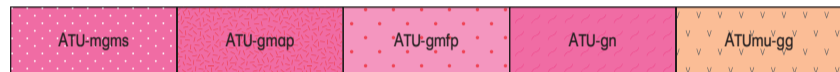


Residual or relict units
Rf Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
Rgpg Undivided residual or relict material, mainly ferruginous and quartzofeldspathic duricrust over deeply weathered granite; minor kaolinized rock; includes mottled and leached zones of weathering profile
Rz Silcrete
Rzu Silica caprock over ultramafic rock; local chalcedony and chrysoprase
Rzz Silcrete; cobbles of silicified rock in silica cement
Rf Residual sand and minor gravel derived from ferruginous duricrust
Rg Quartzofeldspathic sand, commonly over granite
Rgpg Quartzofeldspathic sand and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
Rk Residual calcrete and nodular carbonate deposits; includes reworked carbonate products

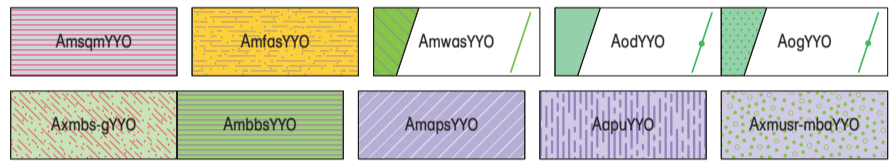


Bald Rock Supersuite
Waigama Suite
ABRG-g Monzogranite to syenogranite; metamorphosed; undeformed
ABRG-gmv Muscovite-rich monzogranite; metamorphosed
ABRG-gm Monzogranite, locally rich in muscovite and biotite; predominantly with equigranular texture and locally K-feldspar porphyritic; metamorphosed; includes deeply weathered rock
ABRG-gmfe Monzogranite to syenogranite; undeformed; common magmatic foliation
ABRco-gm **COOTHARRA MONZOGRANITE:** medium- to coarse-grained monzogranite; undeformed
ABRgo-gm **GARDEN ROCK MONZOGRANITE:** monzogranite to syenogranite; undeformed
ABRgo-gmp K-feldspar porphyritic monzogranite; undeformed; common magmatic foliation

AmzqY Metamorphosed hydrothermal vein quartz; sucrosic, recrystallized texture; locally foliated and/or lineated
AgmapY Fine-grained porphyritic monzogranite, as dykes; weakly metamorphosed; locally foliated



Tuckanarra Suite
ATU-mgms Biotite monzogranite; strongly foliated
ATU-gmap Quartz and feldspar porphyritic, fine-grained monzogranite; locally foliated
ATU-gmfp K-feldspar porphyritic monzogranite to syenogranite; undeformed; common magmatic foliation
ATU-gn Granite, undivided; metamorphosed; includes deeply weathered rock
ATUmu-gg **MUNARRA MONZOGRANITE:** granodiorite with minor monzogranite, diorite, and microgranite; metamorphosed

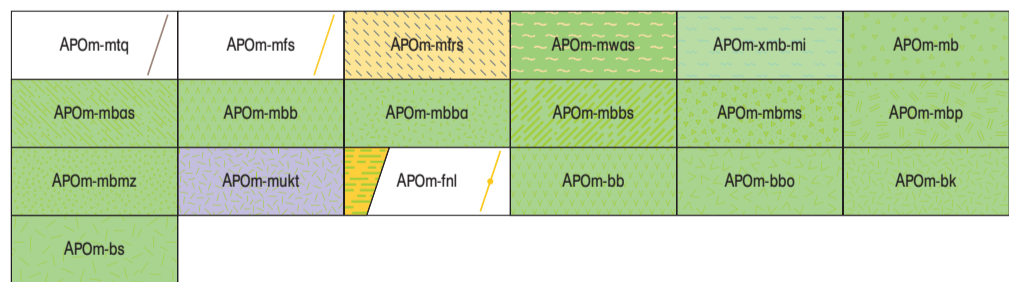


AmsqmYYO Strongly foliated quartz-mica schist, commonly as discontinuous septa within granites
AmfasYYO Meta-andesite; massive to fragmental, locally porphyritic; commonly strongly deformed
AmwasYYO Strongly foliated amphibolite and amphibolite schist; fine to medium grained; commonly lineated
AodYYO Dolerite; minor basalt or gabbro; metamorphosed
AogYYO Gabbro; minor pyroxenite or quartz gabbro; metamorphosed
AxmbgYYO Foliated metamafic rock and local amphibolite interleaved with minor massive to weakly foliated granitic rock
AmbbsYYO Fine-grained schist derived from basalt; includes amphibole-chlorite assemblages; local metagabbro and ultramafic schist
AmapsYYO Chlorite-tremolite(-talc) schist derived from peridotite
AcpuYYO Peridotite, coarse grained; massive, locally weakly deformed; metamorphosed
Axmusr-mbaYYO Tremolite-chlorite(-talc) schist and fine-grained mafic amphibolite

WATTAGEE FORMATION
Wclw-b Mafic volcanic rock; massive to weakly foliated; locally pillowed and/or vesicular; weakly metamorphosed



GREENSLEEVES FORMATION
APOg-mlv White to grey slate; highly fissile; local graded bedding to fine-grained sandstone
APOg-mfs Felsic schist derived from volcanic rock; commonly deeply weathered
APOg-sn Sedimentary rock, undivided; metamorphosed
APOg-fdt Grey, dacite and dacitic volcanoclastic rocks; commonly with plagioclase phenocrysts; locally vesicular; weakly metamorphosed



MEEKATHARRA FORMATION
APOm-mtq Quartzite
APOm-mfs Felsic schist
APOm-mfs Metarhyolite schist
APOm-mwas Mafic amphibolite schist
APOm-xmb-mi Metabasalt interleaved with metamorphosed, commonly recrystallized, banded iron-formation
APOm-mb Metamorphosed mafic rock; generally fine to medium grained; foliated to schistose
APOm-mbas Amphibolite schist derived from basalt; fine to medium grained; commonly also lineated
APOm-mbb Metabasalt; generally fine grained and massive; locally pillowed and/or vesicular
APOm-mbba Amphibolite derived from basalt; massive to foliated and/or lineated
APOm-mbbs Strongly foliated metabasalt and local amphibolite
APOm-mbms Fine-grained ultramafic schist derived from komatiitic basalt; local talc-carbonate rock; commonly deeply weathered
APOm-mbp Metamorphosed pyroxene spinifex-textured basalt
APOm-mbmz Metasomatized metakomatiitic basalt
APOm-mukt Talc-carbonate(-chlorite-serpentine) schist derived from komatiitic rock; commonly deeply weathered and lateritized
APOm-fnl Felsic volcanoclastic siltstone; local graded bedding to fine-grained volcanoclastic sandstone; weakly metamorphosed
APOm-bb Basalt; massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed
APOm-bbo Pillowed basalt; locally fractured to foliated; weakly metamorphosed
APOm-bk Komatiitic basalt; locally pillowed and/or variolitic; fractured to locally foliated; weakly metamorphosed
APOm-bs Pyroxene spinifex-textured basalt and minor basalt; locally variolitic; metamorphosed



YALOGINDA FORMATION: felsic volcanoclastic rocks and banded iron-formation; local quartzite; widely intruded by layered gabbro to peridotitic sills; metamorphosed
ANOy-xf-cib Metamorphosed banded iron-formation; typically with coarse, granular, and recrystallized magnetite crystals; foliated
ANOy-mib Felsic schist derived from volcanic rock; locally strongly sheared
ANOy-mfs Metabasalt and metakomatiitic basalt
ANOy-mb Strongly foliated metabasalt and local amphibolite
ANOy-mbbs Banded iron-formation and ferruginous banded chert; metamorphosed
ANOy-cib Interbedded rhyolite, rhyolitic volcanoclastic rocks and banded iron-formation; local flow banding; rhyolite locally intrudes and partially resorbs iron formation; metamorphosed
ANOy-xf-ci Rhyolite and rhyolitic volcanoclastic rocks; fine to medium grained; massive to crudely bedded; metamorphosed
ANOy-fr



MURROULI BASALT: metabasalt and metakomatiitic basalt
ANOm-mb Fine-grained, mafic amphibolite schist
ANOm-mbas Metabasalt
ANOm-mbb Strongly foliated metabasalt and local amphibolite
ANOm-mbms Metakomatiitic basalt; schistose; pyroxene spinifex texture locally preserved
ANOm-mu Meta-ultramafic rock, undivided; typically deeply weathered
ANOm-bbo Pillowed basalt; metamorphosed
ANOm-bs Pyroxene spinifex-textured basalt; metamorphosed

Big Bell Suite
ASDB-mgm Biotite monzogranite; generally leucocratic; commonly foliated
ASDB-mgms Metamonzogranite; locally quartz porphyritic; strongly foliated
ASDB-mgmu K-feldspar megacrystic biotite monzogranite; strongly foliated
ASDB-mgnw Medium-grained, mesocratic, foliated monzogranite and gneiss
ASDB-xmgm-mbbs Metamonzogranite interleaved with schistose metabasalt

Yalgowra Suite
ASDY-og Gabbro; massive to weakly foliated; local dolerite, quartz gabbro, and gabbro-norite; weakly metamorphosed
ASDY-op Peridotite, fine to medium grained; serpentinized and locally foliated

Ameean Supersuite
AAN-mgg Metagranodiorite
AAN-mgta Amphibole-rich metatolalite; locally sheared
AAN-mgmu K-feldspar and quartz porphyritic biotite monzogranite; strongly foliated
AAN-o Mafic intrusive rock; predominantly gabbro with minor leucogabbro and dolerite; metamorphosed
AAN-od Dolerite; metamorphosed

Eelya Suite
AANE-gg Biotite granodiorite; weakly metamorphosed

PHANEROZOIC

CENOZOIC

PROTEROZOIC

c. 2617 Ma

2690–2665 Ma

2735–2700 Ma

2800–2760 Ma

2815–2800 Ma

YILGARN CRATON

YOUAMI TERRANE