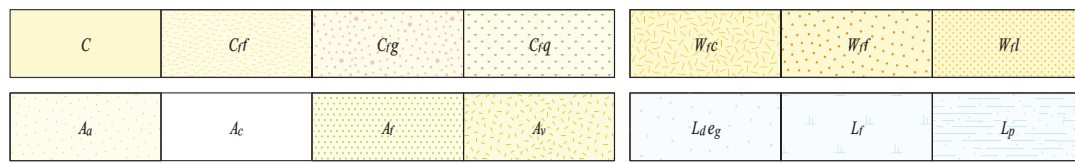


PHANEROZOIC

CENOZOIC



Colluvial units

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- Crf* Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust
- Crg* Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products
- Crq* Quartz-vein debris on colluvial footslope

Sheetwash units

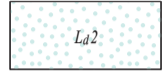
- Wrc* Very low gradient sheet flood deposits, with numerous claypans; includes sand and silt
- Wrf* Clay, silt, and sand with abundant ferruginous grit on sheetflood fan
- Wrl* Clay, silt, and sand on sheetflood fan; local ferruginous gravel

Alluvial units

- Aa* Clay, silt, sand, and gravel on alluvial plains
- Ac* Clay, silt, sand, and gravel in fluvial channels
- Ar* Clay, silt, and sand on floodplains
- Av* Alluvial fan deposits; includes gravel, sand, and silt

Lacustrine units

- Ldeg* Lithified and unconsolidated gypsum and clay, in mounds and dunes adjacent to playa lakes
- Lr* Freshwater lakes, commonly surrounded by swamps
- Lp* Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes



Lacustrine unit, first generation

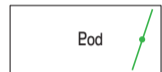
- Ld2* Stabilized dunes within, and adjacent to, playa lakes; typically vegetated



Residual or relict units

- Rrf* Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
- RrgPg* 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
- Rrzz* Silcrete; cobbles of silicified rock in silica cement

PROTEROZOIC



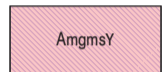
- Eod* Dolerite dyke, sill, or plug; fine- to medium-grained dolerite and gabbro



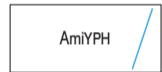
- zq* Quartz vein or pod; massive, crystalline, or brecciated; age uncertain



- ABrG-gv* **BARLANGI GRANOPHYRE:** medium-grained, granophytic monzogranite; undeformed; local xenoliths of partly melted, coarse-grained granite

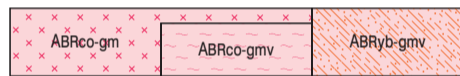


- AmgmsY* Foliated meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine to coarse grained; locally gneissic



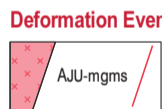
- AmiYPH* Metamorphosed iron-formation; massive to weakly layered; fine to medium grained; locally magnetic
- AmwsYPH* Amphibolite schist; fine to medium grained; commonly lineated
- AmusYPH* Ultramafic schist; medium to coarse grained

2630–2600 Ma
Bald Rock Supersuite
Waigama Suite



- ABRco-gm* **COOTHARRA MONZOGRANITE:** medium- to coarse-grained monzogranite; undeformed
- ABRco-gmv* Muscovite monzogranite; medium to coarse grained; undeformed
- ABRyb-gmv* **YARRABUBBA MONZOGRANITE:** coarse-grained, muscovite monzogranite; typically with large, round quartz phenocrysts; local pegmatite patches

2665–2640 Ma
Jungar Suite



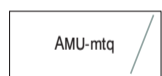
- AJU-mgms* Foliated meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine to coarse grained; locally gneissic

Deformation Event 1 (D1: 2676–2665 Ma)



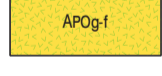
- AmwsYMU* Strongly foliated amphibolite and amphibolite schist; commonly also lineated
- AogYMU* Leucogabbro; medium to coarse grained; weakly deformed and metamorphosed

ARCHEAN



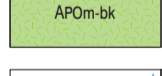
- AMU-mtq* Quartzite; medium grained; commonly foliated; local relict bedding
- AMU-mi* Metamorphosed iron-formation; massive to weakly layered; fine to medium grained; locally magnetic
- AMU-mbbs* Strongly foliated metabasalt; dominantly chlorite schist
- AMU-mbby* Mylonitic metabasalt; intensely foliated and commonly lineated chloritic schist
- AMU-mbmy* Mylonitic komatiitic metabasalt; intensely foliated and commonly lineated chlorite-(tremolite) schist
- AMU-mbyz* Muscovite-chlorite-quartz mylonite; derived from highly altered metabasalt or intermediate to felsic volcanic rocks
- AMU-muky* Mylonitic metakomatiite; intensely foliated and commonly lineated talc-carbonate(-chlorite-serpentine) schist

2760–2735 Ma

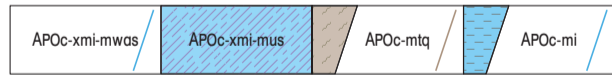


- APOg-f* **GREENSLEEVES FORMATION:** andesitic to rhyolitic volcanic and volcanoclastic rocks; widely intruded by layered mafic-ultramafic sills; weakly metamorphosed (section only)

2800–2760 Ma

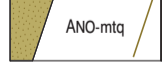


- APOm-bk* **MEEKATHARRA FORMATION**
Komatiitic basalt; locally pillowed and/or variolitic; fractured to locally foliated; weakly metamorphosed



- COODARDY POOL FORMATION**
- APOc-xmi-mwas* Interlayered metamorphosed iron-formation and amphibolite schist
- APOc-xmi-mus* Interlayered metamorphosed iron-formation and ultramafic schist (section only)
- APOc-mtq* Quartzite; medium grained; foliated
- APOc-mi* Metamorphosed iron-formation; weakly layered; strongly foliated

2815–2805 Ma

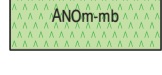


- ANO-mtq* Quartzite; medium grained; commonly foliated; local relict bedding
- ANO-msmz* Andalusite-chlorite(-kyanite-muscovite) schist; coarsely porphyroblastic; strongly foliated and lineated



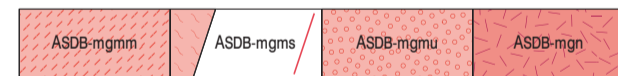
- ANOy-fr* **YALOGINDA FORMATION**
Rhyolite and rhyolitic volcanoclastic rocks; fine to medium grained; massive to crudely bedded; metamorphosed

c. 2820 Ma



- ANOm-mb* **MURROULI BASALT:** metabasalt and metakomatiitic basalt

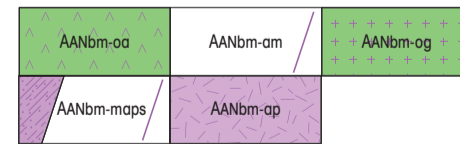
Austin Downs Supersuite
Big Bell Suite



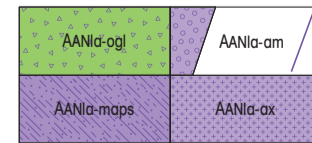
- ASDB-mgmm* Muscovite metamonzogranite; foliated
- ASDB-mgms* Metamonzogranite; locally quartz porphyritic; strongly foliated
- ASDB-mgmu* K-feldspar megacrystic biotite metamonzogranite; strongly foliated
- ASDB-mgn* Granitic gneiss; layered rock, including deformed pegmatite veins; foliated and lineated

c. 2810 Ma

Annean Supersuite
Meelina Suite



- BARRAMBIE IGNEOUS COMPLEX**
- AANbm-od* Anorthosite to gabbroic anorthosite; medium to coarse grained; locally metamorphosed
- AANbm-am* Magnetite; metamorphosed
- AANbm-og* Layered gabbro, with minor pyroxenite, leucogabbro, and anorthosite; metamorphosed
- AANbm-maps* Peridotitic schist; serpentine-chlorite-actinolite; strongly foliated
- AANbm-ap* Peridotite; fine to medium grained; massive to weakly foliated; metamorphosed (section only)



- LADY ALMA IGNEOUS COMPLEX**
- AANla-og* Leucogabbro to gabbroic anorthosite; medium to coarse grained; metamorphosed
- AANla-am* Magnetite; fine to coarse grained; metamorphosed
- AANla-maps* Peridotitic schist; serpentine-chlorite-actinolite
- AANla-ax* Pyroxenite; fine to medium grained; massive to weakly foliated; metamorphosed

Poison Hill greenstone belt

Southern Cross Domain

Murchison Domain

Youanmi Terrane

YILGARN CRATON