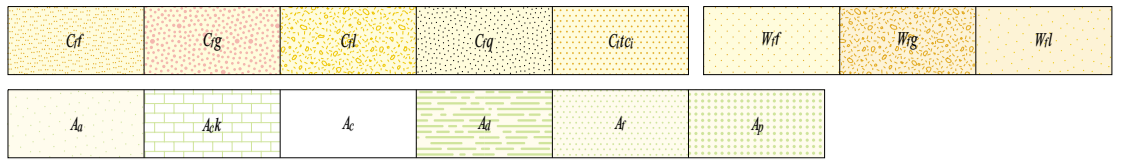


PHANEROZOIC

CENOZOIC



**Colluvial units**

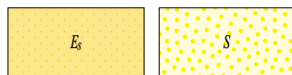
- Cf* Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust
- Cg* Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products
- Cl* Colluvium in footslope derived from different rock types; includes gravel, sand, and silt
- Cq* Quartz-vein debris on colluvial footslope
- Citc* Talus from banded iron-formation and chert; locally cemented

**Sheetwash units**

- Wf* Clay, silt, and sand with abundant ferruginous grit on sheet flood fan
- Wg* Clay, silt, and sand on sheetflood fan; commonly derived from granite
- Wl* Clay, silt, and sand on sheetflood fan; local ferruginous gravel

**Alluvial units**

- Aa* Clay, silt, sand, and gravel on alluvial plain
- Ak* Calcrete and carbonate-cemented alluvium in fluvial channel
- Ac* Clay, silt, sand, and gravel in fluvial channel
- Ad* Clay, silt, and sand in braided swales on floodplain
- Ar* Clay, silt, and sand on floodplain
- Ap* Clay and silt in claypan

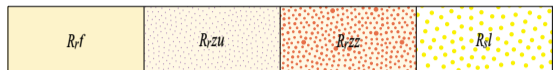


**Eolian unit**

- Es* Sandplain overlying alluvial-playa plain

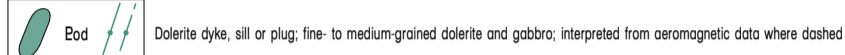
**Sandplain unit**

- S* Residual and eolian sand with minor silt and clay; low vegetated dunes locally common

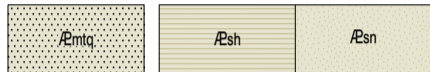


**Residual units**

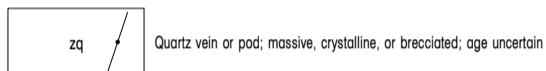
- Rrf* Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
- Rzu* Silica caprock over ultramafic rock; local chalcedony and chrysoprase
- Rzz* Silcrete commonly derived from granite
- Rl* Yellow sand with minor pisolitic laterite, ferruginized silcrete, silt, and clay; common on low plateaus associated with weathered granite



**Capricorn Orogeny (1835–1780 Ma)**



- Emtq* Quartzite and quartz-rich metasedimentary rock
- Esh* Shale and minor siltstone; metamorphosed
- Esn* Sedimentary rocks, undivided; metamorphosed



< 2638 Ma

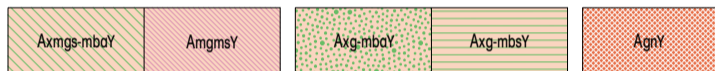
2637–2602 Ma

Bald Rock Supersuite  
Walganna Suite



- AWG-gmy* K-feldspar megacrystic monzogranite with local biotite- or amphibole-rich bands; metamorphosed; includes deeply weathered rock
- AWG-gny* Granite, undivided, with local biotite- or amphibole-rich bands; metamorphosed; includes deeply weathered rock

**Murchison regional deformation event**

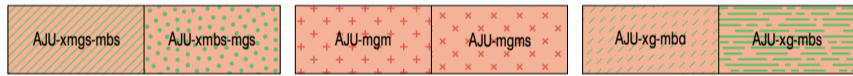


- Axmgs-mbaY* Foliated metagranite interleaved with subordinate foliated, fine- to medium-grained amphibolite; gneissic banding developed locally
- AmgmsY* Foliated, meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine- to coarse-grained; locally gneissic
- Axg-mbaY* Massive to weakly foliated granitic rock interleaved with minor amphibolite
- Axg-mbsY* Massive to weakly foliated granitic rock interleaved with minor foliated metamafic rock
- AgnY* Granitic rocks, undivided; metamorphosed; includes deeply weathered rock

2665–2640 Ma

c. 2650 Ma

Jungar Suite



- AJU-xmgs-mbs* Foliated metagranite interleaved with subordinate foliated, fine- to medium-grained metamafic rock; gneissic banding developed locally
- AJU-xmbs-mgs* Foliated metamafic rock and local amphibolite interleaved with minor foliated metagranite
- AJU-mgm* Meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine- to coarse-grained; locally gneissic
- AJU-mgms* Foliated, metamorphosed biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine- to coarse-grained; locally gneissic
- AJU-xg-mba* Massive to weakly foliated granitic rock interleaved with minor amphibolite
- AJU-xg-mbs* Massive to weakly foliated granitic rock interleaved with minor foliated metamafic rock



- AmoaYMU* Amphibolite; medium- to coarse-grained; derived from dolerite and gabbro
- Axod-ogYMU* Massive dolerite interleaved with minor gabbro; metamorphosed
- AodYMU* Dolerite, massive to weakly foliated; metamorphosed
- AogYMU* Gabbro, coarse-grained; massive, locally weakly deformed; locally contains dolerite, quartz gabbro, and gabbro; metamorphosed



- Axmbs-gYMU* Foliated metamafic rock and local amphibolite interleaved with minor massive to weakly foliated granitic rock
- AmbaYMU* Amphibolite, fine- to medium-grained; typically foliated



- AmuYMU* Meta-ultramafic rock, undivided; typically deeply weathered
- AmusYMU* Tremolite-chlorite(-talca) schist
- AupYMU* Peridotite, metamorphosed; commonly serpentinized
- AuxYMU* Pyroxenite; coarse-grained; metamorphosed



- AMU-mbbs* Metabasalt; schistose
- AMU-bb* Basalt; massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed
- AMU-bn* Fine- to very fine-grained mafic rock, undivided; metamorphosed; commonly deeply weathered
- AMU-bs* Pyroxene spinifex-textured basalt and local basalt; locally variolitic; metamorphosed



**WILGIE MIA FORMATION**

- APOw-mtq* Quartzite
- APOw-cib* Banded iron-formation and ferruginous banded chert; minor jaspilite and hematite-rich rock; minor volcanoclastic sandstone; metamorphosed



**GREENSLEEVES FORMATION**

- APOg-sn* Sedimentary rock, undivided; metamorphosed
- APOg-mfs* Meta felsic volcanic rock, undivided; foliated; commonly deeply weathered
- APOg-fn* Felsic volcanic and volcanoclastic rock, undivided; metamorphosed; commonly deeply weathered and kaolinized
- APOg-fr* Rhyolite; metamorphosed



**MEEKATHARRA FORMATION**

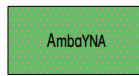
- APOm-mbbs* Strongly foliated metabasalt and local amphibolite
- APOm-mbps* Meta pyroxene-spinifex-textured basalt; locally schistose
- APOm-bb* Basalt; massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed
- APOm-bs* Pyroxene spinifex-textured basalt and local basalt; locally variolitic; metamorphosed



- AmgmsYNA* Foliated, meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine- to coarse-grained; locally gneissic
- AmgnYNA* Granitic gneiss; locally migmatitic
- AmgsnYNA* Moderately to strongly foliated metagranite with local gneissic or migmatitic component
- Axg-mbsYNA* Massive to weakly foliated granitic rock interleaved with minor foliated metamafic rock
- AgmpYNA* Monzogranite with K-feldspar phenocrysts; commonly layered
- AgnYNA* Granite, undivided; metamorphosed; includes deeply weathered rock



- AmhsYNA* Schistose pelite and psammite; locally contains biotite porphyroblasts
- AssYNA* Sandstone and siltstone; metamorphosed
- AcibYNA* Banded iron-formation and ferruginous banded chert; metamorphosed



- AmuYNA* Meta-ultramafic rock, undivided; typically deeply weathered
- AupYNA* Peridotite, metamorphosed; commonly serpentinized

PROTEROZOIC

Murchison Domain

Youanmi Terrane

YILGARN CRATON

ARCHEAN

Unassigned

Murchison Supergroup

Polelle Group

2800–2760 Ma

Murchison Domain

Youanmi Terrane

YILGARN CRATON

Narryer Terrane