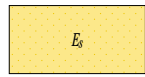


Colluvial units
Cef Colluvium in pediment derived from different rock types; includes gravel, sand, and silt
Cf Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust
Cg Colluvial footslope containing quartzfeldspathic gravel, sand, and silt commonly derived from granite 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
Cta Talus from banded iron-formation and chert; locally cemented

Sheetwash units
Wg Clay, silt, and sand on sheetflood fan; commonly derived from granite
Wl Clay, silt, and sand on sheetflood fan; local ferruginous gravel

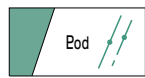
Alluvial units
Aa Clay, silt, sand, and gravel on alluvial plains
Acl Clay and heterogeneous sediments on alluvial plains, including a sparse lag of quartz sand with some quartz and ferruginous saprolite gravel
Akk_g Calcrete developed in alluvial channels, dissected by present-day stream channels
A_c Clay, silt, sand, and gravel in channels
Ak Calcrete and carbonate-cemented alluvium in fluvial channels
Ad Clay, silt, and sand in braided swales on floodplains
Ar Clay, silt, and sand on floodplains
Ap Clay and silt in claypans



Eolian unit
Es Sandplain overlying alluvial-playa plain



Residual or relict units
Rrf Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
Rzu Silica caprock over ultramafic rock; local chalcedony and chrysoprase
Rzz Silcrete commonly derived from granite

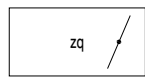


Eod Dolerite dyke, sill or plug; fine- to medium-grained dolerite and gabbro

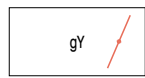
Capricorn Orogeny (1835–1780 Ma)



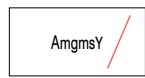
Windplain Group
EYWj-s **JUDERINA FORMATION:** quartz sandstone; local sandstone, shale, siltstone, chert breccia, and conglomerate
EYWjf-sa Finlayson Member: quartz arenite; planar or cross bedded; minor pebble conglomerate and intercalated siltstone



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



gY Granitic dyke



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

2637–2602 Ma
Bald Rock Supersuite

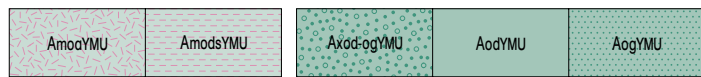


Walganna Suite
AWG-gny Granite, undivided with local biotite- or amphibole-rich bands; metamorphosed; includes deeply weathered rock

Murchison Regional Deformation Event



Jungar Suite
AJU-xmgs-mbs Foliated metagranite interleaved with subordinate foliated, fine- to medium-grained metamorphic rock; gneissic banding developed locally
AJU-mgms Foliated, meta biotite monzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine- to coarse-grained; locally gneissic
AJU-mgs Foliated metagranite; locally schistose; may include amphibolite lenses; includes deeply weathered rock
AJUcl-mgms **CHUNDERLOO MONZOGANITE:** foliated metamonzogranite; locally schistose; may include amphibolite lenses; includes deeply weathered rock
AJU-xg-mbs Massive to weakly foliated granitic rock interleaved with minor foliated metamorphic rock
AJU-gm K-feldspar megacrystic monzogranite; metamorphosed



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



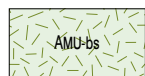
Axmbs-gYMU Foliated metamorphic rock and local amphibolite interleaved with minor massive to weakly foliated granitic rock
AmbaYMU Amphibolite, fine- to medium-grained; typically foliated



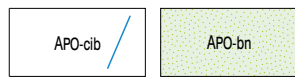
AmuYMU Meta-ultramafic rock, undivided; typically deeply weathered
AmusrYMU Tremolite-chlorite(-talca) schist
AupYMU Peridotite; metamorphosed; commonly serpentinized



Austin Downs Supersuite
Yalgowra Suite
AYA-xod-g Massive dolerite interleaved with minor massive to weakly foliated granitic rock
AYA-xod-og Massive dolerite interleaved with minor gabbro; metamorphosed
AYA-od Dolerite; massive, locally weakly foliated; metamorphosed
AYA-og Gabbro; massive to weakly foliated; locally contains dolerite, quartz gabbro, and gabbronorite; metamorphosed
AYA-up Peridotite; metamorphosed; commonly serpentinized



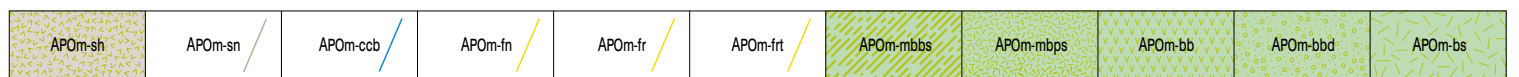
AMU-bs Pyroxene spinifex-textured basalt and local basalt; locally variolitic; metamorphosed



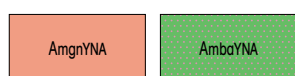
AP0-cib Banded iron-formation and ferruginous banded chert; metamorphosed
AP0-bn Fine- to very fine-grained mafic rock, undivided; metamorphosed; typically weathered



GREENSLEEVES FORMATION
AP0g-xsn-b Sedimentary rock, undivided; interleaved with basalt; metamorphosed
AP0g-sn Sedimentary rock, undivided; metamorphosed
AP0g-mfs Meta felsic volcanic rock, undivided; foliated; commonly deeply weathered
AP0g-fap Feldspar-phyric andesite; metamorphosed
AP0g-fn Felsic volcanic and volcanoclastic rock, undivided; metamorphosed; commonly deeply weathered and kaolinized
AP0g-fr Rhyolite; metamorphosed
AP0g-frm Felsic volcanic and volcanoclastic rock; commonly bedded; metamorphosed



Murchison Supergroup
Polelle Group
MEEKATHARRA FORMATION
AP0m-sh Shale and mudstone with volcanoclastic rock; metamorphosed
AP0m-sn Sedimentary rock, undivided; metamorphosed
AP0m-ccb Banded chert; metamorphosed
AP0m-fn Felsic volcanic and volcanoclastic rock, undivided; metamorphosed; commonly deeply weathered and kaolinized
AP0m-fr Rhyolite; metamorphosed
AP0m-frm Felsic volcanic and volcanoclastic rock; commonly bedded; metamorphosed
AP0m-mbbs Strongly foliated metabasalt and local amphibolite
AP0m-mbps Meta pyroxene spinifex-textured basalt; locally schistose
AP0m-bb Basalt, massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed
AP0m-bbd Variolitic basalt; locally pillowed with a fine-grained groundmass; varioles typically comprise up to 90% of rock; metamorphosed
AP0m-bs Pyroxene spinifex-textured basalt and minor basalt; locally variolitic; metamorphosed



AmgnYNA Granitic gneiss; locally migmatitic
AmbaYNA Amphibolite and local metabasalt; fine- to medium-grained; typically foliated

2637–2602 Ma

Bald Rock Supersuite

Walganna Suite

Jungar Suite

2665–2640 Ma

c. 2650 Ma

c. 2644 Ma

Austin Downs Supersuite

Yalgowra Suite

Unassigned

Murchison Supergroup

Polelle Group

c. 2744 Ma

c. 2739 Ma

2800–2760 Ma

Murchison Domain

Younmi Terrane

Nanyer Terrane