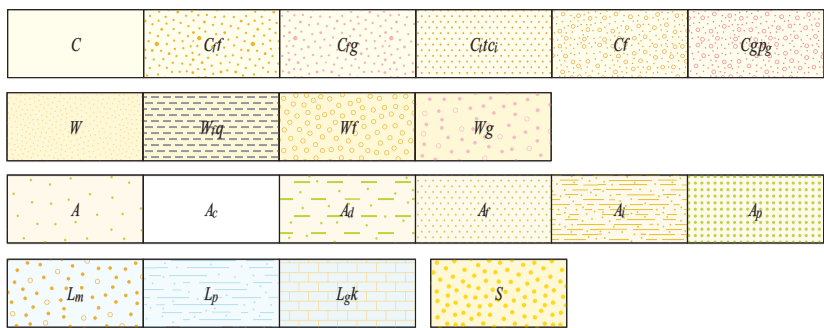


PHANEROZOIC  
CENOZOIC



**Colluvial units**  
*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  
*Cfc* Talus from banded iron-formation and chert; locally cemented  
*Cf* Ferruginous gravel and reworked ferruginous duricrust  
*Cgp* Quartzofeldspathic gravel, sand, and silt commonly derived from granitic rocks, their metamorphosed equivalents, and associated weathering products

**Sheetwash units**  
*W* Clay, silt, and sand in extensive fans; local ferruginous gravel  
*Wq* Clay, silt, and sand with abundant vein-quartz pebbles on sheetflood fan  
*Wf* Clay, silt, and sand with abundant ferruginous grit  
*Wg* Clay, silt, and sand sheetwash deposits, commonly derived from granitic rock

**Alluvial units**  
*A* Clay, silt, sand, and gravel in channels and on floodplains  
*Ac* Clay, silt, sand, and gravel in fluvial channels  
*Ad* Clay, silt, and sand in braided swales on floodplains  
*Ar* Clay, silt, and sand on floodplains  
*Ai* Sand, silt, and clay in alluvial drainage depressions, claypans, and ephemeral floodplain lakes; low-lying areas with internal drainage  
*Ap* Clay and silt in claypans

**Lacustrine units**  
*Lm* Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes  
*Lp* Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes  
*Lpk* Bedded carbonate, silt, and clay deposits in shallow lakes adjacent to streams and rivers

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



**Residual or relict units**  
*Rf* Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products  
*Rfg* Ferruginous duricrust, massive to rubby; derived from granitic rocks; includes iron-cemented reworked products  
*Rgp* 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  
*Rsf* Residual sand and minor gravel derived from ferruginous duricrust  
*Rsg* Quartzofeldspathic sand, commonly over granite  
*Rsgp* Quartzofeldspathic sand and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile  
*Rk* Residual sand and calcrete; nodular and pisolitic

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

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

2650–2600 Ma

Bald Rock Supersuite

Walgama Suite



*ABRGgme* Equigranular monzogranite; medium to coarse grained  
*ABRGgme* Monzogranite to syenogranite; undeformed; common magmatic foliation

*AgnapY* Porphyritic microgranite; metamorphosed; locally schistose; includes deeply weathered rocks



*AmwasYYO* Strongly foliated amphibolite and amphibolite schist; fine to medium grained; commonly lineated  
*AmusrYYO* Tremolite–chlorite(–talc) schist; includes minor metamorphosed komatiitic basalt, metapyroxenite, and cumulate-textured zones

2735–2700 Ma

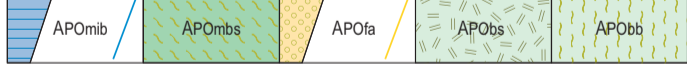
Glen Group



**MOUGOODERRA FORMATION**  
*AGLm-mhs* Schistose pelite and psammite; includes metamorphosed shale and siltstone  
*AGLm-mtq* Quartzite and metamorphosed quartz-rich sandstone  
*AGLm-f* Felsic volcanic, volcanoclastic, and sedimentary rocks, undivided; metamorphosed; locally schistose; commonly deeply weathered  
*AGLm-ss* Sandstone, siltstone, and local conglomerate; metamorphosed  
*AGLm-sc* Conglomerate, pebbly sandstone, and sandstone; locally silicified; metamorphosed  
*AGLm-ml* Metagranite with coarse-grained amphibolitic xenoliths; locally sheared

2800–2735 Ma

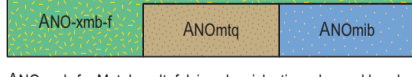
Polelle Group



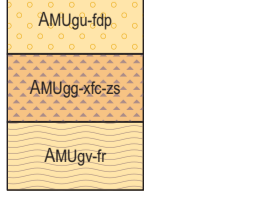
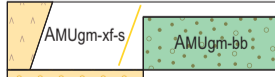
*APOMib* Metamorphosed banded iron-formation and minor banded chert; typical granular texture with magnetite and quartz grains 0.5 to 1.5 mm in size  
*APOMbs* Mafic schist with minor ultramafic schist; typically actinolite–tremolite–chlorite; locally strongly sheared  
*APOfa* Andesitic volcanic rock; minor dacite; metamorphosed; includes minor tuffaceous rhyolite and schistose equivalents  
*APObs* Spinifex-textured basalt with acicular pyroxene crystals up to 30 mm; local aphyric basalt; metamorphosed  
*APObb* Fine- to very fine-grained basalt; locally moderately foliated; metamorphosed

2825–2800 Ma

Norie Group



*ANO-xmb-f* Metabasalt, felsic volcanoclastic rocks, and banded iron-formation; strongly to weakly metamorphosed  
*ANOmtq* Quartzite; medium grained; commonly foliated; local relict bedding  
*ANOmb* Metamorphosed banded iron-formation locally with recrystallized quartz and magnetite; typically moderately deformed



**GOSSAN HILL FORMATION**  
*AMUgm-xf-s* **Minjar Member:** felsic volcanoclastic rocks and fine-grained siliciclastic sedimentary rocks; minor amygdaloidal basalt; metamorphosed  
*AMUgm-bb* Basalt, commonly with 1–2 mm plagioclase phenocrysts; locally abundant amygdaloidal basalt and minor basaltic andesite; metamorphosed  
*AMUgu-fdp* **Scuddles Member:** porphyritic dacite with lesser rhyodacite and felsic volcanoclastic units; locally with economic sulphide mineralization; metamorphosed  
*AMUgg-xf-zs* **Golden Grove Member:** rhyodacite, rhyolite, and laminated felsic volcanoclastic rocks; host to economic massive sulphide horizons; metamorphosed  
*AMUgv-fr* **Gossan Valley Member:** quartz-porphyritic rhyolite and felsic volcanoclastic rocks; metamorphosed

c. 2947 Ma

c. 2958 Ma

c. 2963 Ma

c. 2959 Ma

2735–2690 Ma

Austin Downs Supersuite

Big Bell Suite



*ASDB-jmg-mgti* Granitic gneiss with rafts of migmatitic tonalite  
*ASDBmgg* Metagranodiorite, locally schlieric and gneissic; locally strongly sheared  
*ASDBmgmu* K-feldspar megacrystic biotite metamonzogranite; strongly foliated  
*ASDB-xmg-mwas* Metamonzogranite to metatonalite with locally abundant rafts of amphibolite, decimetre to hectometre in length; commonly foliated  
*ASDBgmfe* Equigranular monzogranite to syenogranite; common magmatic foliation and schlieren layering  
*ASDBgmp* K-feldspar porphyritic monzogranite; common magmatic foliation

2801–2793 Ma

Ameau Supersuite

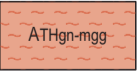
Warriard Suite



*AANW-ax-og* Basal pyroxenite to pyroxene peridotite, typically showing cumulate textures and locally homblende oikocrystic; gabbro–leucogabbro in central to upper parts, locally with harrisitic top contacts; metamorphosed  
*AANWmog* Metagabbro; locally with layers of metaleucogabbro, metagabbronorite, metadolerite and minor metapyroxenite; includes amphibole-porphyroblastic metagabbro and metadolerite; typically weakly schistose  
*AANWod* Dolerite; metamorphosed  
*AANWog* Gabbro; locally includes layers of leucogabbro, gabbronorite, dolerite, minor pyroxenite and pegmatitic gabbro; metamorphosed  
*AANWmasr* Ultramafic talc–tremolite–serpentine–magnetite schist; locally strongly sheared  
*AANWmat* Serpentinite derived from intrusive rocks; locally strongly sheared and talc-rich  
*AANWap* Peridotite; relict cumulate textures preserved locally; minor pyroxenite; metamorphosed; typically serpentinized

c. 2951 Ma

Thundelarra Supersuite



**GNOWS NEST GRANODIORITE:** Metamorphosed granodiorite to tonalite with K-feldspar phenocrysts up to 8 mm in 46 mm matrix

Murchison Domain

Youampi Terrane

YILGARN CRATON