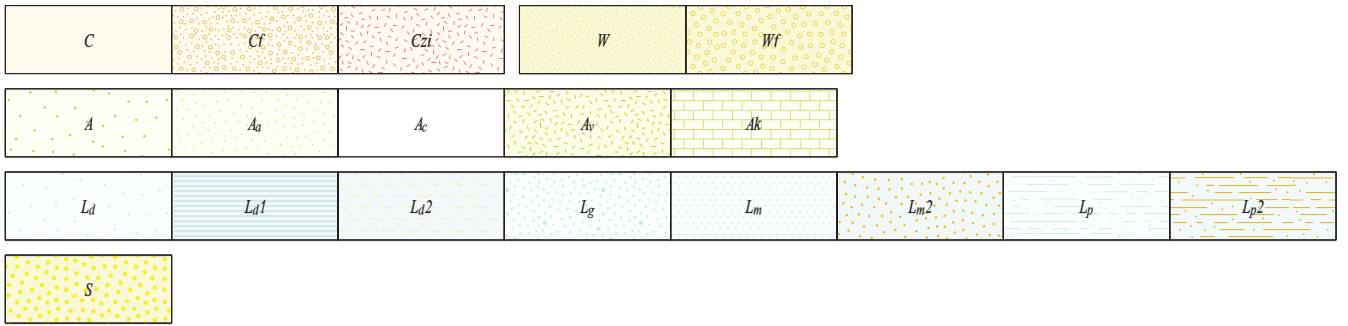


PHANEROZOIC

CENOZOIC



Colluvial units, age undivided or unassigned

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- Cf* Ferruginous gravel and reworked ferruginous duricrust
- Czi* Colluvium dominated by ferruginous silcrete debris

Sheetwash units, age undivided or unassigned

- W* Clay, silt, and sand in extensive fans; local ferruginous gravel
- Wf* Clay, silt, and sand with abundant ferruginous grit

Alluvial units, age undivided or unassigned

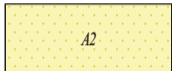
- A* Clay, silt, sand, and gravel in channels and on floodplains
- Aa* Clay, silt, sand and gravel on alluvial plains
- Ac* Clay, silt, sand, and gravel in fluvial channels
- Av* Alluvial fan deposits; includes gravel, sand and silt
- Ak* Calcrete and carbonate-cemented alluvium in fluvial channels

Lacustrine units, age undivided or unassigned

- Ld* Sand, silt, and gypsum in dunes adjacent to, and within, playa lakes
- Ld1* Dune and lake deposits; active systems within, and adjacent to, playa lakes; non-vegetated or poorly vegetated
- Ld2* Stabilized dunes within, and adjacent to, playa lakes; typically vegetated
- Lg* Silt, sand, and gravel in halophyte flats adjacent to playa lakes
- Lm* Mixed dunes, evaporite deposits; typically adjacent to playa lakes
- Lm2* Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes, restricted to older playa lake systems
- Lp* Saline and gypsiferous evaporite deposits, clay, silt and sand in playa lakes
- Lp2* Playa lakes; vegetated, dry, and commonly distal to major playa lakes

Sandplain unit, age undivided or unassigned

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



Alluvial unit, weakly consolidated

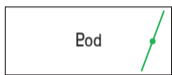
- A2* Moderately to strongly indurated sand with locally abundant pebbles, and minor silt and clay, restricted to old valley systems



Residual or relict units

- RckPg* Kaolinized granitic rock
- Rrf* Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- Rzi* Ferruginous silcrete
- RsgPg* Quartzofeldspathic sand, gravel, and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- RdpG* Silcrete and/or kaolinized granitic rock

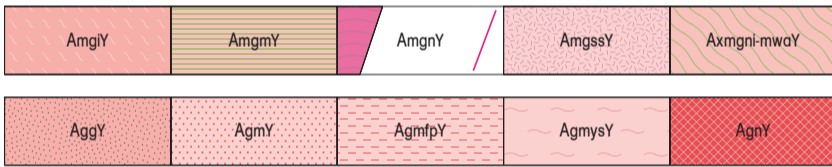
PROTEROZOIC



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



Pegmatite dyke; metamorphosed

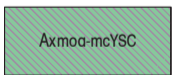


2770–2680 Ma¹²

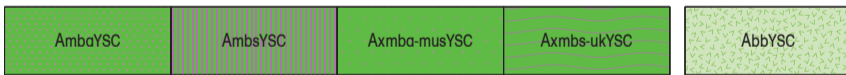
- AmgY* Heterogeneous migmatitic granitic gneiss
- AmgmY* Biotite metamonzogranite; medium to coarse grained
- AmgnY* Granitic gneiss, locally migmatitic; includes local mafic bands and enclaves
- AmgssY* Foliated metagranite, locally gneissic; may include amphibolite lenses; includes deeply weathered rock
- Axmgni-mwaY* Migmatitic orthogneiss interleaved with amphibolite derived from mafic volcanic and intrusive rock
- AggY* Granodiorite with minor monzogranite, diorite, and microgranite; metamorphosed
- AgmY* Monzogranite; common biotite and rare local hornblende; minor granodiorite and syenogranite; fine to coarse grained; equigranular to porphyritic; massive to weakly foliated; metamorphosed
- AgmpY* Flow-banded monzogranite with porphyritic feldspar layers; metamorphosed
- AgmysY* Biotite monzogranite; fine to coarse grained; seriate to K-feldspar-phyrlic; abundant leucogranitic layers and schlieren; metamorphosed
- AgnY* Granitic rock, undivided; metamorphosed; includes deeply weathered rock



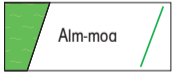
- Amwa-YSC* Amphibolite derived from mafic volcanic and intrusive rocks; locally schistose
- Axmwa-mcYSC* Amphibolite interleaved with metachert and meta banded iron-formation
- Axmwa-mhsYSC* Amphibolite interleaved with interlayered psammite and pelite; schistose
- Axmwa-musYSC* Amphibolite interleaved with ultramafic schist; includes minor interflow sedimentary rocks



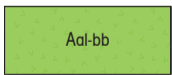
Amphibolite; medium to coarse grained, interleaved with metachert and meta banded iron-formation



- AmbaYSC* Amphibolite; fine to medium grained; typically foliated
- AmbsYSC* Mafic schist derived from fine-grained mafic rocks
- Axmba-musYSC* Amphibolite; fine to medium grained; typically foliated, interleaved with ultramafic schist; includes talc-tremolite-chlorite schist
- Axmbs-ukYSC* Mafic schist interleaved with komatiite
- AbbYSC* Basalt with minor mafic volcanoclastic sedimentary rock; locally foliated and schistose; metamorphosed



LAKE MEDCALF IGNEOUS COMPLEX: Amphibolite after gabbro and dolerite; minor metamorphosed leucogabbro and pyroxenite



GLASSE FORMATION: Aphyric to fine-grained basalt; locally amygdaloidal; metamorphosed



ROUNDTOP KOMATIITE

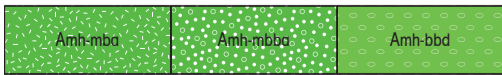
- Art-bk* Komatiitic basalt; local pyroxene spinifex texture; metamorphosed
- Art-mus* Ultramafic schist; includes talc-tremolite-chlorite schist, and minor serpentinite and mafic schist
- Art-uk* Komatiite with local olivine spinifex texture; minor cumulate and talc-tremolite schist; metamorphosed
- Art-xuk-mus* Komatiite; metamorphosed, interleaved with ultramafic schist; includes talc-tremolite-chlorite schist

2930–2720 Ma¹³



HONMAN FORMATION

- Ahm-cib* Banded iron-formation and minor banded chert; metamorphosed
- Ahm-cx* Chert and banded iron-formation; metamorphosed
- Ahm-xcx-uk* Chert and banded iron-formation interleaved with komatiite; metamorphosed



MAGGIE HAYS FORMATION

- Amh-mba* Fine- to medium-grained amphibolite; locally schistose
- Amh-mbba* Amphibolite after basalt
- Amh-bbd* Pillowed and variolitic basalt; metamorphosed

YILGARN CRATON

Southern Cross Domain

Youanmi Terrane