

**Colluvial units**

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- Cf* Ferruginous gravel and reworked ferruginous duricrust
- Cg* Quartzofeldspathic gravel, sand, and silt, commonly derived from granitic rock and associated weathering products
- Czi* Colluvium dominated by ferruginous silcrete debris

**Sheetwash units**

- W* Clay, silt, and sand in extensive fans; local ferruginous gravel
- Wf* Clay, silt, and sand with abundant ferruginous grit
- Wqpg* Clay, silt, and sand sheetwash deposits with quartz-vein and granitic debris

**Alluvial units**

- 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
- Ap* Clay and silt in claypans
- Au* Superficial channel commonly terminating at a sheetwash zone; ephemeral
- Av* Clay, silt, sand, and gravel in alluvial fans
- Ak* Calcrete and carbonate-cemented alluvium in fluvial channels

**Lacustrine units**

- La* Sand, silt, and gypsum in dunes adjacent to and within playa lakes
- Lg* Silt, sand, and gravel in halophyte flats adjacent to playa lakes
- 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

**Sandplain unit**

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



**Lacustrine units, first generation**

- La2* Stabilized dunes within and adjacent to playa lakes; typically vegetated
- Lp2* Playa lakes; vegetated, dry, and commonly distal to more extensive playa systems



**Residual or relict units**

- Rckpg* Kaolinized granitic rock
- Rmp* Residual, deep red, unconsolidated soil overlying Proterozoic mafic and ultramafic rock
- Rf* Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
- Rfc* Ferruginous duricrust, massive to rubby; derived from banded iron-formation and ferruginous chert; includes iron-cemented reworked products
- Rzi* Ferruginous silcrete
- Rzu* Silica caprock over ultramafic rock; local chalcedony and chrysoprase
- Rgpg* Quartzofeldspathic sand, gravel, and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- Rdp* Silcrete and/or kaolinized granitic rock
- Rk* Residual calcrete and nodular carbonate deposits; includes reworked carbonate products

2410 Ma<sup>1</sup>

Widgiemoorthe Dyke Suite



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

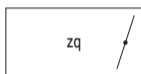


*EWI-o* Dolerite and gabbro; includes cumulate and granophyric differentiates

**JIMBERLANA NORITE**

*EWij-og* Gabbro

*EWij-om* Gabbronorite



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

2715-2660 Ma<sup>2,3</sup>



- Axmgn-mgnY* Foliated pegmatitic metagranite and granitic gneiss
- 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
- 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
- AgmfpY* 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
- AgpY* Pegmatite dyke; metamorphosed



*Axmc-mwaYSC* Meta chert and meta banded iron-formation interleaved with amphibolite

*AcxYSC* Banded iron-formation and chert; metamorphosed



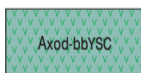
Quartzofeldspathic gneiss



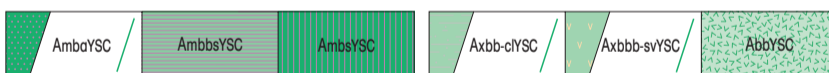
*AmwaYSC* Amphibolite derived from mafic volcanic and intrusive rocks; locally schistose

*AmweYSC* Mafic hornfels and granofels

*AmwsYSC* Mafic schist



Interleaved dolerite and basalt; metamorphosed



*AmbaYSC* Amphibolite, fine to medium grained; typically foliated

*AmbbsYSC* Fine-grained schist derived from basalt; includes amphibole-chlorite assemblages

*AmbsYSC* Mafic schist derived from fine-grained mafic rocks

*Axbb-cYSC* Basalt with chert and mudstone/siltstone, minor banded iron-formation; metamorphosed

*Axbbb-svYSC* Flow-banded basalt, and minor basaltic andesite, siliciclastic sedimentary and felsic volcaniclastic rocks; metamorphosed

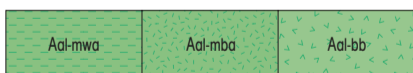
*AbbYSC* Basalt with minor mafic volcaniclastic sedimentary rocks; locally foliated and schistose; metamorphosed



**LAKE MEDCALF IGNEOUS COMPLEX**

*Alm-moa* Amphibolite after gabbro and dolerite; minor metamorphosed leucogabbro and pyroxenite

*Alm-ax* Pyroxenite; metamorphosed



**GLASSE FORMATION**

*Aal-mwa* Fine- to medium-grained amphibolite

*Aal-mba* Amphibolite after mafic volcanic rocks

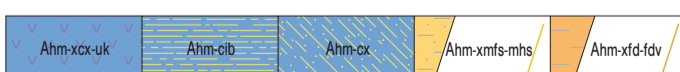
*Aal-bb* Aphyric to fine-grained basalt; locally amygdaloidal; metamorphosed



**ROUNDTOP KOMATIITE**

*Art-bk* Komatiitic basalt; local pyroxene spinifex texture; metamorphosed

*Art-uk* Komatiite with local olivine spinifex texture; minor cumulate and talc-tremolite schist; metamorphosed



**HONMAN FORMATION**

*Ahm-cxc-uk* Chert and banded iron-formation interleaved with komatiite; metamorphosed

*Ahm-cib* Banded iron-formation and minor banded chert; metamorphosed

*Ahm-cx* Chert and banded iron-formation; metamorphosed

*Ahm-xmfs-mhs* Felsic schist and interlayered psammitic and pelitic schist

*Ahm-xfd-fdv* Dacitic volcanic and volcaniclastic rocks with subordinate rhyolite; metamorphosed

2930-2875 Ma<sup>2,4</sup>



**MAGGIE HAYS FORMATION**

*Amh-mba* Fine- to medium-grained amphibolite; locally schistose

*Amh-mbaF* Fine-grained amphibolite with plagioclase phenocrysts

*Amh-mbba* Amphibolite after basalt

*Amh-mbbs* Foliated metabasalt, fine to medium grained; local amphibolite

*Amh-xbbb-sv* Flow-banded basalt interbedded with siliciclastic and volcaniclastic sedimentary rocks; metamorphosed; minor amphibolite

*Amh-bbd* Pillowed and variolitic basalt; metamorphosed

*Amh-bbf* Massive basalt; metamorphosed