

Colluvial units
C Colluvium derived from different rock types; includes gravel, sand, and silt
Cf Colluvium, footslope
Cfcc Talus from chert and minor banded iron-formation; locally cemented
Cg Quartzofeldspathic gravel, sand, and silt, commonly derived from granitic rock and associated weathering products
Ck Colluvium dominated by reworked calcareite; includes loose nodules and irregular fragments
Cm Colluvium derived from mafic rocks; includes gravel, sand, and silt
Cq Quartz-vein debris
Ct Lithic-rich colluvium
Cts Lithic-rich colluvium predominantly from sedimentary rocks
Cz Colluvium of silcrete; includes gravel, sand, and silt

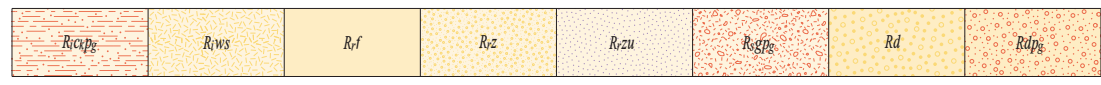
Sheetwash units
W Clay, silt, and sand in extensive fans; local ferruginous gravel
Wp Clay, silt, sand, and gravel on plays and pans; commonly poorly vegetated
Wf Clay, silt, and sand sheetwash deposits, with abundant ferruginous grit
Wk Clay, silt, and sand with abundant calcareite nodules

Alluvial units
A Clay, silt, sand, and gravel in channels and on floodplains
Ae Clay, silt, sand, and gravel in channels
Ae Sand dominated delta; commonly within active lakes
Ap Clay and silt in claypans
Au Superficial channel commonly terminating at a sheetwash zone; ephemeral

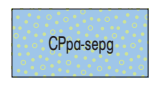
Lacustrine units
Ld Sand, silt, and gypsum in dunes adjacent to and within playa lakes
Lg Silt, sand, and gravel in halophyte flats adjacent to playa lakes
Lm Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes
Lp Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes
Lp2 Playa lakes; vegetated, dry, and commonly distal to more extensive and larger playa lakes



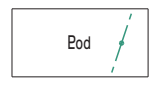
Sandplain units
S Residual and eolian sand with minor silt and clay; low vegetated dunes locally common
Sd Sand in stabilized dunes
St Longitudinal dunefield



Residual or relict units
Rccpg Kaolinized granitic rock; saprolitic
Rws Residual sedimentary rocks; weathered
Rf Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
Rz 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
Rd Undivided residual or relict material; mainly ferruginous and siliceous duricrust; minor calcareite and kaolinized rock
Rdp Silcrete and/or kaolinized granitic rock



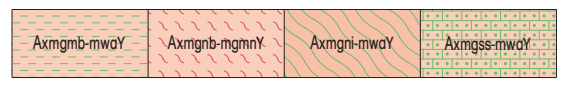
PATERSON FORMATION: conglomerate (including diamictite), sandstone, and siltstone; largely glaciogene



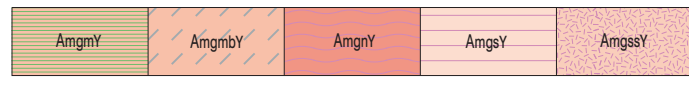
Dolerite dyke, sill or plug; fine- to medium-grained dolerite and gabbro; interpreted from aeromagnetic data where dashed



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



Axmgnb-mwaY Biotite-rich metamonzogranite interleaved with minor amphibolite
Axmgnb-mgmY Biotite granitic gneiss interleaved with metamonzogranite
Axmgni-mwaY Migmatitic orthogneiss with interleaved amphibolite (section only)
Axmgs-mwaY Foliated metagranitic rock interleaved with subordinate amphibolite



AmgmY Meta biotite monzogranite; medium- to coarse-grained
AmgmbY Biotite-rich metamonzogranite and metagranitic rock
AmgnY Granitic gneiss, locally migmatitic; includes local mafic bands and enclaves
AmgsY Schistose metagranite; may include amphibolite lenses; includes deeply weathered rock (section only)
AmgssY Foliated metagranite, locally gneissic; may include amphibolite lenses; includes deeply weathered rock



c. 2643 Ma
Abk-gm **BALPE LAKES MONZOGRANITE:** monzogranite; fine to medium-grained, equigranular; massive to weakly foliated; margins may be strongly foliated
AgcY Quartz monzonite; commonly porphyritic; metamorphosed
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
AgmbY Biotite-rich monzogranite; commonly medium- to coarse-grained; metamorphosed
AgmvY Muscovite-bearing monzogranite; locally includes biotite; metamorphosed
AgnY Granitic rocks, undivided; metamorphosed; includes deeply weathered rock



c. 2765 Ma¹
 c. 2769 Ma
Minigwal Suite
AMNso-mgni **SURPRISE ORTHOGNEISS:** migmatitic quartz-biotite orthogneiss
AMNhc-mgni **HOPE CAMPBELL ORTHOGNEISS:** migmatitic quartz-biotite orthogneiss



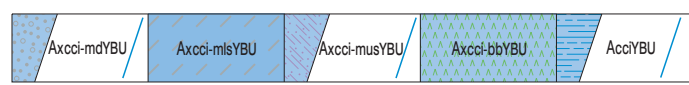
c. 2774 Ma
HANNS JASPER FORMATION: dacitic volcanoclastic sandstone; crystal- and lithic-rich; metamorphosed



Axmfs-fmYBU Pelitic schist interleaved with rhyolitic, volcanoclastic sandstone and siltstone; metamorphosed
AmhsYBU Psammitic and pelitic schist
AmisYBU Pelitic schist
AmsmYBU Micaceous schist
AmtqYBU Medium- to coarse-grained quartzite, banded quartzite, and quartz-rich metasedimentary rock; locally ferruginized



Axsn-muYBU Siliciclastic sedimentary rocks and chert, metamorphosed; interleaved with meta-ultramafic rocks
Axss-ccYBU Fine-grained sandstone and siltstone intercalated with chert; locally ferruginized; metamorphosed
AsnyYBU Micaceous, siliciclastic sedimentary rocks; metamorphosed
AssYBU Sandstone and siltstone; metamorphosed
AstYBU Sandstone with minor conglomerate, siltstone, and shale; metamorphosed



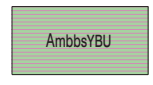
< 2719 Ma
Axcci-mdYBU Ferruginous chert and siliciclastic metasedimentary rocks; metamorphosed
Axcci-misYBU Ferruginous chert, metamorphosed, with subordinate pelitic schist
Axcci-musYBU Ferruginous chert, metamorphosed, and ultramafic schist
Axcci-bbYBU Ferruginous chert and basalt; metamorphosed
AcciYBU Chert, banded chert; locally includes siliciclastic rocks; ferruginous; metamorphosed



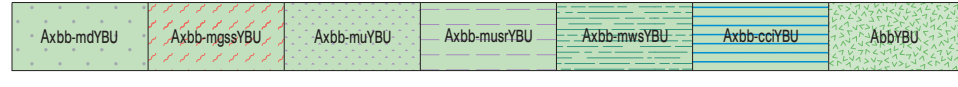
Axmwa-ccYBU Amphibolite and ferruginous chert; metamorphosed (section only)
AmwaYBU Amphibolite



AmogsYBU Metagabbro; strongly foliated to schistose
Axog-bbYBU Basalt intercalated with fine- to medium-grained gabbro; metamorphosed (section only)
AogYBU Gabbro; minor pyroxenite, quartz gabbro, or dolerite components; metamorphosed



AmbbsYBU Fine-grained schist derived from basalt; amphibole-chlorite assemblages; locally strongly metasomatized



Axbb-mdYBU Basalt, metamorphosed, and minor metasiliclastic sedimentary rocks
Axbb-mgssYBU Basalt, metamorphosed, and foliated metagranitic rocks
Axbb-muYBU Basalt, metamorphosed, interleaved with meta-ultramafic rock
Axbb-musYBU Basalt, metamorphosed, intercalated with tremolite-chlorite schist
Axbb-mwsYBU Basalt, metamorphosed, and interleaved mafic schist
Axbb-ccYBU Basalt and ferruginous chert; metamorphosed
AbbYBU Basalt; locally porphyritic; includes dolerite-textured zones; metamorphosed



Axmu-mdsYBU Meta-ultramafic rocks with subordinate schist derived from siliciclastic sedimentary rocks (section only)
AmuYBU Meta-ultramafic rock, undivided; includes talc-chlorite(-carbonate) and tremolite-chlorite schist
AmusYBU Tremolite-chlorite-talc schist
AmustYBU Talc-serpentine-chlorite schist