

Colluvial units

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- Cr* Colluvium, footslope
- Ci* Colluvial talus derived from different rock types
- CItc* Talus from chert and minor banded iron-formation; locally cemented
- Cf* Ferruginous gravel and reworked ferruginous duricrust
- Cg* Quartzfeldspathic gravel, sand, and silt, commonly derived from granitic rock and associated weathering products
- Ck* Colluvium dominated by reworked calcrete; includes loose nodules and irregular fragments
- Cm* Colluvium derived from mafic rocks; includes gravel, sand and silt
- Cq* Quartz-vein debris
- 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
- Wf* Clay, silt, and sand with abundant ferruginous grit
- Wg* Clay, silt, and sand commonly derived from granitic rock
- Wq* Clay, silt, and sand with abundant quartz-vein debris

Alluvial units

- A* Clay, silt, sand, and gravel in channels and on floodplains
- Aa* Clay, silt, sand, and gravel on alluvial plains
- Aak* Calcrete and carbonate-cemented material on alluvial plains
- Ac* Clay, silt and sand in channels
- Auk* Calcareous clay, silt, and sand with calcrete in braided swales on floodplains
- Au* Superficial channel, within sandplain or commonly terminating at a sheetwash zone; ephemeral

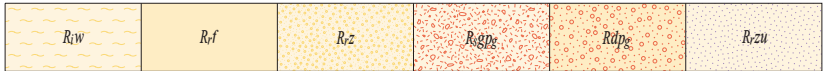
Lacustrine units

- La* Sand, silt, and gypsum in dunes adjacent to and within playa lakes
- Lp* Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes



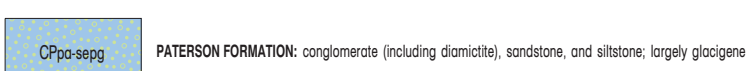
Sandplain units

- S* Residual and eolian sand with minor silt and clay; low vegetated dunes locally common
- Sd* Sand in stabilized dunes
- Si* Longitudinal dunefield
- Sn* Net-like dunefield
- Suk* Sandplain with abundant calcrete



Residual or relict units

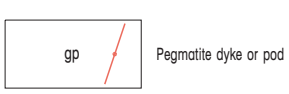
- R1w* Deeply weathered rock; protolith undetermined
- Rrf* Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
- Rcz* Silcrete
- R1gpg* Quartzfeldspathic sand and minor siliceous duricrust over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- R2gpg* Silcrete and/or kaolinized granitic rock
- R2zu* Silica caprock over ultramafic rock; local chalcedony and chrysoprase



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



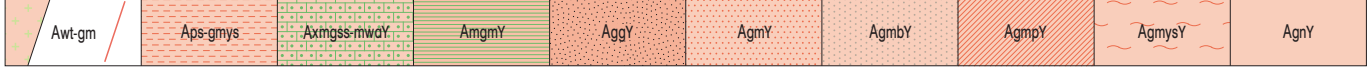
Dolerite dyke, sill or plug; fine- to medium-grained dolerite and gabbro; interpreted from aeromagnetic data where dashed



Pegmatite dyke or pod



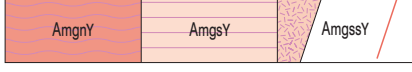
Quartz vein or pod; massive, crystalline, or brecciated; age uncertain



- c. 2643 Ma Awt-gm **WARTU MONZOGRANITE:** monzogranite; includes minor granite and granodiorite
- c. 2662 Ma Aps-gmys **POINT SALVATION MONZOGRANITE:** biotite monzogranite; fine- to coarse-grained; seriate to K-feldspar-porphyritic; abundant leucogranitic layers and schlieren; metamorphosed
- Axmgs-mwaY Foliated metagranitic rock interleaved with subordinate amphibolite
- AmgmY Meta biotite monzogranite; medium- to coarse-grained
- 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
- 2671-2648 Ma AgmbY Biotite-rich monzogranite; commonly medium- to coarse-grained; metamorphosed
- AgmpY Porphyritic monzogranite; fine- to coarse-grained with feldspar megacrysts; locally seriate; metamorphosed
- AgmysY Biotite monzogranite; fine- to coarse-grained; seriate to K-feldspar-phyrhic; abundant leucogranitic layers and schlieren; metamorphosed
- AgnY Granitic rocks, undivided; metamorphosed; includes deeply weathered rock



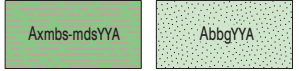
Foliated quartz vein



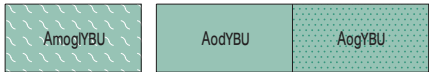
- 2932-2706 Ma AmgnY Granitic gneiss, locally migmatitic; includes local mafic bands and enclaves
- AmgsY Schistose metagranite; may include amphibolite lenses; includes deeply weathered rock
- AmgssY Foliated metagranite, locally gneissic; may include amphibolite lenses; includes deeply weathered rock



- AmfsYYA Felsic schist with common feldspar porphyroclasts; derived from felsic volcanic and volcanioclastic rock
- AmfssYYA Foliated to strongly foliated, fine- to medium-grained, equigranular metafelsic rock; minor metasedimentary rocks



- Axmbs-mdsYYA Mafic schist intercalated with schistose metasedimentary rocks
- AbbgYYA Amygdaloidal and vesicular basalt with minor plagioclase porphyritic layers, local pillow structures; metamorphosed



- AmogYBU Foliated leucogabbro
- AodYBU Dolerite; minor basalt or gabbro components; metamorphosed
- AogYBU Gabbro; minor pyroxenite, quartz gabbro, or dolerite components; metamorphosed



- c. 2755 Ma Arn-mos Schist derived from mafic intrusive rock
- Arn-moa Amphibolite; medium- to coarse-grained; derived from gabbro and dolerite
- Arn-maxs Schistose metapyroxenite
- Arn-od Dolerite; minor basalt or gabbro components; metamorphosed
- Arn-og Gabbro; common leucogabbro and minor pyroxenite components; locally schistose; metamorphosed
- Arn-axu Pyroxene-rich cumulate rock; locally schistose; metamorphosed



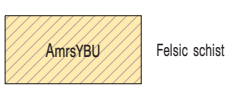
- c. 2770 Ma Alk-mfs Felsic schist; derived from felsic volcanic and volcanioclastic rocks
- Alk-xf-s Undivided felsic volcanic rocks and siliclastic sedimentary rocks; metamorphosed
- Alk-s Sedimentary rock, undivided; includes sandstone, siltstone, shale, and chert; metamorphosed; commonly deeply weathered
- Alk-st Sandstone with minor conglomerate, siltstone and shale; metamorphosed (section only)
- Alk-fa Andesite with minor dacite; common plagioclase and/or hornblende phenocrysts; metamorphosed
- Alk-fahd Andesitic volcanic and volcanioclastic rock; coherent flows; crystal-lithic; metamorphosed
- Alk-fas Andesitic volcanioclastic pebble-breccias and sandstones; metamorphosed
- Alk-fasd Andesitic volcanic and volcanioclastic rock; volcanic breccia-sandstone; crystal-lithic; metamorphosed
- Alk-fav Andesitic volcanic and volcanioclastic rock; common fragmental textures; metamorphosed; local epidote and carbonate alteration
- Alk-fd Dacite, commonly tuffaceous; locally brecciated; includes minor rhyolite, rhyodacite, and andesite; metamorphosed
- Alk-fdv Dacitic volcanioclastic rock; common fragmental textures; metamorphosed



- AmtqYBU Medium- to coarse-grained quartzite, banded quartzite, and quartz-rich metasedimentary rock; locally ferruginized
- AmtsbYBU Psammitic rock; contains biotite; locally schistose
- Axsty-gmYBU Micaceous siliclastic sandstones with crosscutting granite sheets; metamorphosed
- AstYBU Sandstone with minor conglomerate, siltstone and shale; metamorphosed



Chert, banded chert; locally includes siliclastic rocks; ferruginous; metamorphosed



Felsic schist



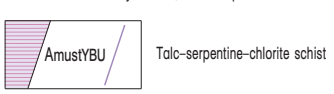
- AmwaYBU Amphibolite
- AmwsYBU Mafic schist



- Axmb-mdYBU Metamafic volcanic rock and metasedimentary rock
- AmbbsYBU Fine-grained schist derived from basalt; amphibole-chlorite assemblages; locally strongly metasomatized
- AmbsYBU Schistose metamafic volcanic rock; includes medium-grained zones
- AmbsYBU Tremolite- and chlorite-rich metamafic rock; moderately to strongly foliated
- AbYBU Mafic volcanic rock, undivided; metamorphosed (section only)
- AbbyYBU Basalt; locally porphyritic; includes dolerite-textured zones; metamorphosed



- Axax-bbYBU Pyroxenite with subordinate basalt; metamorphosed
- Axax-ogYBU Pyroxenite and gabbro; metamorphosed
- AaxYBU Pyroxenite; metamorphosed



Talc-serpentine-chlorite schist