

Colluvial units

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- C_f* Footslope colluvial derived from different rock types; includes gravel, sand, and silt
- C_t* Colluvial talus derived from different rock types
- C_f* Ferruginous gravel and reworked ferruginous duricrust
- C_g* Quartzofeldspathic gravel, sand, and silt, commonly derived from granitic rock and associated weathering products
- C_q* Quartz-vein debris
- C_z* Colluvium of silcrete; includes gravel, sand, and silt

Sheetwash units

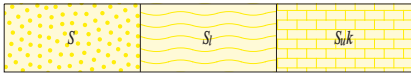
- W* Clay, silt, and sand in extensive fans; local ferruginous gravel
- W_g* Clay, silt, and sand commonly derived from granitic rock
- W_k* Clay, silt, and sand with abundant calcrete nodules
- W_q* Clay, silt, and sand with abundant quartz-vein debris

Alluvial units

- A* Clay, silt, sand, and gravel in channels and on floodplains
- A_c* Clay, silt and sand in channels
- A_{ak}* Braided swales on floodplains, composed of calcrete

Lacustrine units

- L_d* Sand, silt, and gypsum in dunes adjacent to and within playa lakes
- L_m* Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes
- L_p* 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
- S_i* Longitudinal dunefield
- S_{uk}* Sandplain with abundant calcrete



Residual or relict units

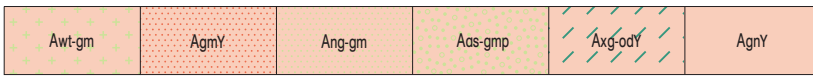
- R_{ckPg}* Kaolinized granitic rock; saprolitic
- R_{ws}* Residual sedimentary rocks; weathered
- R_f* Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- R_z* Silcrete
- R_{gPg}* Quartzofeldspathic sand, gravel, and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- R_{dPg}* Silcrete and/or kaolinized granitic rock
- R_k* Calcrete



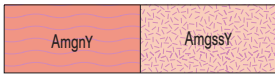
Eod Dolerite dyke, sill or plug; fine- to medium-grained dolerite and gabbro; interpreted from aeromagnetic data where dashed



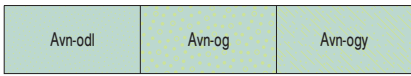
zq Quartz vein or pod; massive, crystalline, or brecciated; age uncertain



- 2643 ± 6 Ma *Awt-gm* **WARTU MONZOGRANITE:** monzogranite; includes minor granite and granodiorite
- 2659 ± 8 Ma *AgmY* Monzogranite; common biotite and rare local hornblende; minor granodiorite and syenogranite; fine- to coarse-grained; equigranular to porphyritic; massive to weakly foliated; metamorphosed
- 2660 ± 3 Ma *Ang-gm* **NGARRUTUJI MONZOGRANITE:** medium- to coarse-grained monzogranite with biotite and local hornblende; minor granodiorite; local pegmatite; metamorphosed
- Aas-gmp* **MASON KNOB MONZOGRANITE:** porphyritic monzogranite; fine- to coarse-grained with feldspar megacrysts; locally seriate; metamorphosed
- A_{xg}-odY* Granitic rock and dolerite
- AgnY* Granitic rocks, undivided; metamorphosed; includes deeply weathered rock

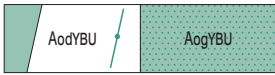


- 2761 ± 11 Ma *AmgnY* Granitic gneiss, locally migmatitic; includes local mafic bands and enclaves
- AmgssY* Foliated metagranite, locally gneissic; may include amphibolite lenses; includes deeply weathered rock

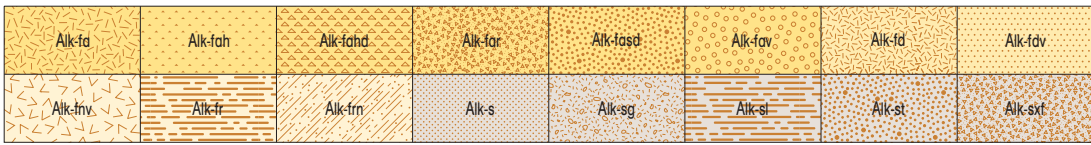


MOUNT VENN IGNEOUS COMPLEX

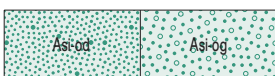
- Avn-odl* Leucodolerite; metamorphosed
- Avn-og* Gabbro; minor pyroxenite or quartz gabbro components; metamorphosed
- Avn-ogy* Layered gabbro; metamorphosed



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

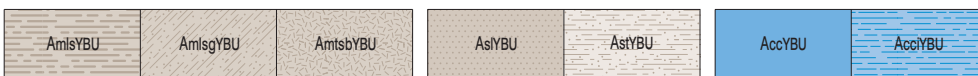


- 2769 ± 2 Ma *Alk-fa* Andesite with minor dacite; common plagioclase and/or hornblende phenocrysts; metamorphosed
- Alk-fah* Andesitic volcanic and volcanoclastic rock; coherent flow; metamorphosed
- Alk-fahd* Andesitic volcanic and volcanoclastic rock; coherent flows; crystal-lithic; metamorphosed
- Alk-far* Andesitic volcanic and volcanoclastic rock; volcanic granule and pebble breccia; metamorphosed
- Alk-fasd* Andesitic volcanic and volcanoclastic rock; volcanic breccia-sandstone; crystal-lithic; metamorphosed
- Alk-fav* Andesitic volcanic and volcanoclastic 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 volcanoclastic rock; common fragmental textures; metamorphosed
- Alk-fnv* Felsic volcanoclastic and volcanic rock; undivided; minor sandstones and siltstones; metamorphosed
- Alk-fr* Rhyolite; metamorphosed
- Alk-frn* Rhyolitic sandstone and siltstone; metamorphosed
- Alk-s* Sedimentary rock, undivided; includes sandstone, siltstone, shale, and chert; metamorphosed; commonly deeply weathered
- Alk-sg* Conglomerate with felsic volcanic clasts; minor sandstone; metamorphosed
- Alk-sl* Siltstone and mudstone with minor sandstone; metamorphosed
- Alk-st* Sandstone with minor conglomerate, siltstone and shale; metamorphosed
- Alk-sxf* Breccia with felsic volcanic clasts; metamorphosed

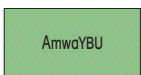


SWINCER DOLERITE

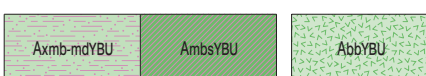
- 2812 ± 5 Ma *Asi-od* Dolerite; minor basalt or gabbro components; metamorphosed
- Asi-og* Gabbro; minor pyroxenite or quartz gabbro components; metamorphosed



- AmIsYBU* Pelitic schist
- AmIsqYBU* Garnet-bearing pelitic schist
- AmtsbYBU* Psammitic rocks; contain biotite; locally schistose
- AsYBU* Siltstone and mudstone with minor sandstone; metamorphosed
- AstYBU* Sandstone with minor conglomerate, siltstone and shale; metamorphosed
- AccYBU* Chert and banded chert; locally includes silicified (black) shale, slate, or exhalite; metamorphosed
- AcciYBU* Chert, banded chert; locally includes siliciclastic rocks; ferruginous; metamorphosed



AmwaYBU Amphibolite



- Axmb-mdYBU* Metamorphic volcanic rock and metasedimentary rock (section only)
- AmbsYBU* Schistose metamorphic volcanic rock; includes medium-grained zones
- AbbYBU* Basalt; locally porphyritic; includes dolerite-textured zones; metamorphosed



AaxuYBU Pyroxene-rich cumulate rock; metamorphosed