



Colluvial units

- C* Colluvium derived from different rock types; includes gravel, sand, and silt
- C_c* 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_k* Colluvium dominated by reworked calcrete; includes loose nodules and irregular fragments
- 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_k* Clay, silt, and sand with abundant calcrete nodules

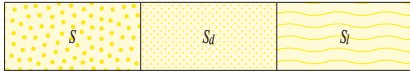
Alluvial units

- A* Clay, silt, sand, and gravel in channels and on floodplains
- A_a* Clay, silt, sand, and gravel on alluvial plains
- A_{ak}* Calcrete and carbonate-cemented material on alluvial plains
- A_c* Clay, silt and sand in fluvial channels
- A_k* Calcareous clay, silt, and sand with calcrete in braided swales on floodplains
- A_r* Stream bar, commonly dominated by sand, in fluvial channels
- A_v* Clay, silt, sand, and gravel in alluvial fans



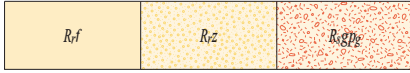
Lacustrine units

- 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
- L_k* Calcrete within playa lake systems



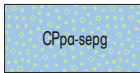
Sandplain units

- S* Residual and eolian sand with minor silt and clay; low vegetated dunes locally common
- S_d* Sand in stabilized dunes
- S_t* Longitudinal dunefield



Residual or relict units

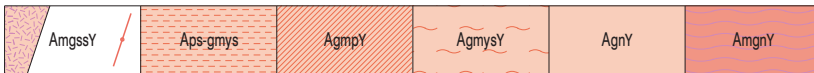
- R_{rf}* Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- R_z* Silcrete
- R_{sgPg}* Quartzofeldspathic sand, and minor silcrete over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile



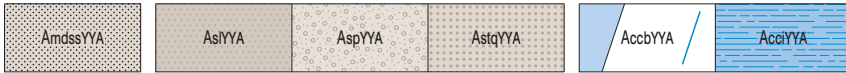
PATERSON FORMATION: conglomerate (including diamictite), sandstone, and siltstone; largely glaciogene



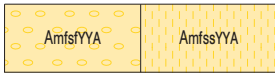
Quartz vein or pod; massive, crystalline, or brecciated; age uncertain



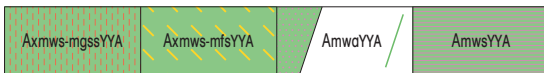
- AmgssY* Foliated metagranite, locally gneissic; may include amphibolite lenses; includes deeply weathered rock
- Aps-gmys* **POINT SALVATION MONZOGRANITE:** biotite monzogranite; fine- to coarse-grained; seriate to K-feldspar-porphyritic; abundant leucogranitic layers and schlieren; metamorphosed (section only)
- AgmpY* Porphyritic monzogranite; fine- to coarse-grained with feldspar megacrysts; locally seriate; metamorphosed
- AgmysY* Biotite monzogranite; fine- to coarse-grained; seriate to K-feldspar-phyrlic; abundant leucogranitic layers and schlieren; metamorphosed
- AgnY* Granitic rocks, undivided; metamorphosed; includes deeply weathered rock
- AmgnY* Granitic gneiss, locally migmatitic; includes local mafic bands and enclaves (section only)



- AmdssYAA* Foliated metasedimentary rock, undivided; includes metasandstone, metasilstone, metashale, and quartz-mica schist; commonly deeply weathered
- AslYAA* Siltstone and mudstone with minor sandstone; metamorphosed
- AspYAA* Fine-grained to pebbly sandstone and pebble conglomerate; minor siltstone and mudstone; metamorphosed
- AstqYAA* Fine- to medium-grained, quartz-rich sandstone; minor shale and mudstone; metamorphosed
- AccbYAA* Banded chert; includes minor quartzite and banded iron-formation; metamorphosed
- AcciYAA* Chert and banded chert; locally includes siliciclastic rock; ferruginous; metamorphosed



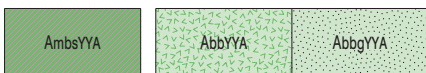
- AmfsfYAA* Felsic schist with common feldspar porphyroclasts; derived from felsic volcanic and volcanoclastic rock
- AmfssYAA* Foliated to strongly foliated, fine- to medium-grained, equigranular metafelsic rock; minor metasedimentary rocks



- Axmws-mgssYAA* Intercalated mafic schist and foliated metagranite; minor metasedimentary rocks; commonly schistose (section only)
- Axmws-mfsYAA* Mafic schist interleaved with schist derived from felsic volcanic and/or volcanoclastic rock (section only)
- AmwaYAA* Amphibolite; locally schistose
- AmwsYAA* Mafic schist with abundant chlorite and actinolite; local amphibolite



Dolerite; minor basalt or quartz gabbro components; metamorphosed



- AmbsYAA* Schistose metamafic volcanic rock; includes medium-grained zones
- AbbYAA* Basalt; locally porphyritic; includes dolerite-textured zones; metamorphosed
- AbbgYAA* Amygdaloidal and vesicular basalt with minor plagioclase-porphyritic layers, local pillow structures; metamorphosed

CENOZOIC

PHANEROZOIC

PALEOZOIC

CARBONIFEROUS - PERMIAN

GUNBARREL BASIN

c. 2662 Ma

c. 2711 Ma¹

ARCHEAN

YILGARN CRATON

Yamarna Terrane