

CAINOZOIC

QUATERNARY

Qa

Alluvium; clay, silt, sand and gravel in stream channels, flood plains and small fans on lake margins

Czts      Cztd

Czts Saline and gypsiferous evaporite interbedded with clay and sand in playa lakes  
 Cztd Quartz sand and gypsum dune deposits adjacent to playa lakes

Czc      Czl

Czc Colluvium; gravel, sand and soil; includes laterite fragments  
 Czl Laterite; mainly iron-rich and carbonate nodule types; silcrete and calcrete

TERTIARY

Tes

**Eundynie Group:** sandstone, siltstone, mudstone, spongolite siltstone, calcareous sandstone, bioclastic calcarenite, bituminous siltstone; poorly indurated, laterized cap

PROTEROZOIC

Edy

Mafic and ultramafic dykes, undeformed; Edyb — Binneringie Dyke

q

Quartz vein

Ag

Dykes: Ag, Agf, Agp, descriptions as below

Ag      Agf      Agh      Agi      Agn      Agp      Agw

Ag Granitoid rock  
 Agf Monzogranite porphyry and granodiorite porphyry  
 Agh Granitoid rock hornfelsed by the Binneringie Dyke  
 Agi Unfoliated monzogranite and granodiorite  
 Agn **PIONEER GRANITOID COMPLEX:** foliated porphyritic monzogranite and gneiss with pegmatite and quartz veins  
 Agp Pegmatite  
 Agw **WIDGIEMOOLTHA MONZOGRANITE:** foliated porphyritic monzogranite

An      Ang      Angp

An Quartzo-feldspathic gneiss  
 Ang Quartzo-feldspathic gneiss, augen gneiss, minor monzogranite  
 Angp Quartzo-feldspathic gneiss, deformed pegmatite veins, augen gneiss } **FIFTY MILE TANK GNEISS**

As      Asf      Asg      Ash      Ach      Asx

As Pelitic and psammitic metasedimentary rocks with metaconglomerate, chert and metamorphosed felsic volcanoclastic sedimentary rock  
 Asf Metamorphosed felsic volcanoclastic rock, mainly sedimentary  
 Asg Metamorphosed conglomerate and coarse sandstone; includes felsic volcanoclastic rock  
 Ash Slate and metamorphosed shale  
 Ach Chert  
 Asx Metamorphosed sedimentary rock breccia

ARCHAEAN

Af      Aft

Af Metamorphosed felsic volcanic rock  
 Aft Metamorphosed dacite and rhyolite agglomerate and tuff

Afs

Schist derived from dacitic and rhyolitic volcanic, sub-volcanic and volcanoclastic sedimentary rock

Ao      Aod      Aog      Aou

Ao Metamorphosed mafic and ultramafic intrusive rocks  
 Aod Metadolerite  
 Aog Metagabbro  
 Aou Metaperidotite and metapyroxenite

Ab      Abm

Ab Mafic schist, metabasalt, metadolerite and amphibolite  
 Abm Metamorphosed high-Mg basalt, with some pillows and variolitic textures

Aku

Metakomatiite

Au

Ultramafic schist