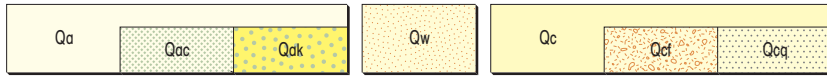


PHANEROZOIC

CAINOZOIC

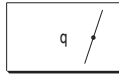
QUATERNARY



- Qa Alluvium — unconsolidated clay, silt, sand, and gravel in channels and floodplains
- Qac Clay and silt in claypans
- Qak Calcrete forming in alluvial channels
- Qw Sheetwash — clay, silt, sand, and gravel
- Qc Colluvium — unconsolidated gravel, sand, and silt as scree
- Qcf Ferruginous rubble and colluvium — degraded lateritic duricrust
- Qcq Quartz-vein rubble as scree



- Czc Colluvium — dissected deposits of consolidated gravel, sand, and silt
- Czeg Weathered quartzofeldspathic rock with locally derived sand and sandy clays
- Czrf Ferruginous duricrust and hardpan forming residual plateaus over weathered rock
- Czru Chalcedony over ultramafic rock
- Czrz Silcrete



Quartz vein



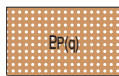
Dolerite dyke; fine- to medium-grained, locally with plagioclase phenocrysts; dashed where interpreted from aeromagnetic data - negative anomaly

Edmundian Orogeny (<1050 Ma)
Capricorn Orogeny (1830–1780 Ma)



- 1797±4 Ma EgMe Even-textured biotite granite; medium-grained; massive to weakly foliated
- 1808±6 Ma EgMkb KERBA GRANITE: even-textured, medium-grained biotite monzogranite; locally foliated
- EgMw Even-textured, medium-grained biotite granite; locally porphyritic biotite granite; generally deeply weathered; may include EgMe

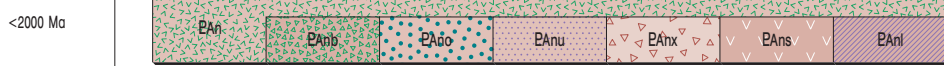
- 1813±8 Ma EgMp Porphyritic and even-textured sheets and veins of coarse-grained biotite monzogranite and pegmatite; locally gneissic and garnet-bearing



Foliated quartzite, locally with fuchsite; quartz-sericite-biotite phyllite



- <2000 Ma EPm MILLIDIE CREEK FORMATION: quartz-chlorite-muscovite-(tourmaline-hematite) schist; muscovite-quartz schist with porphyroblasts of pyrite
- EPmi Metamorphosed banded iron-formation
- EPmc Metamorphosed dolomite; locally interbedded with chlorite-quartz phyllite
- EPms Metamorphosed dolomitic sandstone and quartz-chlorite-carbonate schist
- EPmp Quartz-sericite-hematite phyllite and quartz-muscovite schist
- EPmt Talc schist; locally with lenses of metamorphosed dolomitic sandstone (subsurface only)



- <2000 Ma EAn NARRACOOKA FORMATION; metamorphosed basalt, gabbro, microgabbro, and mafic and ultramafic schist
- EAnb Metabasalt with local fragmental textures and amygdaloes; minor microgabbro and gabbro
- EAno Metamorphosed gabbro, microgabbro, leucogabbro, and melanogabbro
- EAnu Ultramafic schist; tremolite-talc-chlorite-magnetite rock
- EAnx Metamorphosed pyroxenite and peridotite, and tremolite-talc-magnetite-chlorite rock
- EAns Serpentinite
- EAnl Metamorphosed peridotite, pyroxenite, and gabbro; rhythmically layered

PROTEROZOIC

PALAEOPROTEROZOIC

Mooraite Supersuite

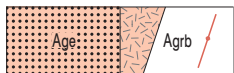
Padbury Group

Bryah Group

PADBURY BASIN

BRYAH BASIN

ARCHAean



- 2615±2 Ma Age Even-textured, fine- to medium-grained biotite monzogranite; massive to strongly foliated; local quartz-sericite schist
- Agrb ROCKY BORE GRANITE: porphyritic monzogranite with tabular feldspar phenocrysts; medium-grained

- c. 2800 Agf Foliated biotite monzogranite; even-textured to porphyritic, medium-grained



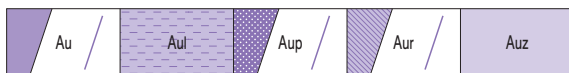
- Asl Calc-silicate gneiss; quartz-dioptase-feldspar-tremolite rock
- Asq Quartzite
- Asqk Quartz-kyanite schist
- Asql Quartzite and calc-silicate gneiss



Metamorphosed banded iron-formation; quartz-magnetite gneiss; minor carbonate-bearing banded iron-formation



- Aban Amphibolite gneiss; clinopyroxene-plagioclase-hornblende-tremolite rock; granoblastic texture
- Abao Amphibolite after gabbro, microgabbro, and minor basalt
- Abd Basalt and dolerite; locally pyroxene-phyric; rare banded iron-formation and lenses of quartz-epidote rock; metamorphosed
- Abs Mafic schist; actinolite-feldspar-epidote-sphene-quartz schist; includes metamorphosed gabbro, microgabbro, and minor basalt
- Abu Metagabbro and mafic schist interleaved with metapyroxenite, serpentinite, and ultramafic schist



- Au Ultramafic schist; metapyroxenite and serpentinite
- Aul Metamorphosed pyroxenite and gabbro, layered
- Aup Serpentinized peridotite or dunite, and serpentinite-tremolite-calcite-sphene rock; locally with relict olivine
- Aur Tremolite and tremolite-talc schist, and metapyroxenite
- Auz Ultramafic rock; variably silicified



- 3300–1810 Ma AEngl Leucocratic granitic gneiss; quartz-plagioclase-microlite-biotite rock derived from 3300–2640 Ma biotite granite and granitic gneiss (Angl), and sheets and veins of coarse-grained granite and pegmatite (EgMp); all deformed and metamorphosed at 1810 Ma

- 3300–2640 Ma Angl Gneissic granite and granitic gneiss; predominantly leucocratic; deformed by D₁–D₂; locally intruded by coarse-grained granite and porphyritic granite (Agrb), later deformed by D₃

YILGARN CRATON