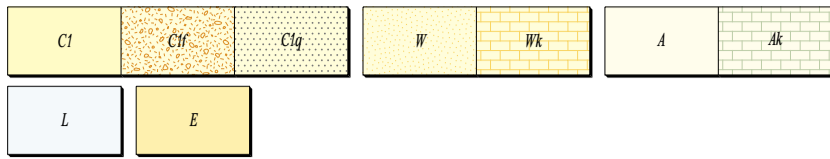


PHANEROZOIC

CENOZOIC



**Colluvial units, second generation**

- C1* Unconsolidated silt, sand, and gravel forming scree slopes
- C1f* Ferruginous rubble mainly derived from banded iron-formation
- C1q* Quartz-vein debris forming scree slopes

**Sheetwash units**

- W* Clay, silt, sand, and gravel in sheetwash fans; low-gradient slope deposits
- Wk* Calcrete developed within sheetwash fans

**Alluvial units**

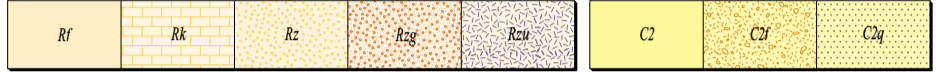
- A* Unconsolidated clay, silt, sand, and gravel in channels and on floodplains
- Ak* Calcrete developed in and adjacent to alluvial channels

**Lacustrine unit**

- L* Clay, silt, and sand

**Eolian unit**

- E* Eolian sand with minor silt and clay; includes low, vegetated dunes



**Residual or relict units**

- Rf* Ferruginous duricrust and hardpan forming residual plateaus over weathered rock
- Rk* Dissected calcrete
- Rz* Silcrete and brecciated siliceous caprock; includes chalcadony
- Rzg* Locally derived residual sand and sandy clays overlying weathered quartzofeldspathic rock
- Rzu* Silcrete and brecciated siliceous caprock over ultramafic rock; includes chalcadony

**Colluvial units, first generation**

- C2* Dissected deposits of consolidated silt, sand, and gravel
- C2f* Dissected deposits of consolidated ferruginous rubble mainly derived from banded iron-formation
- C2q* Dissected deposits of consolidated quartz debris mainly derived from quartz veins

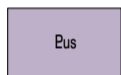


Quartz veins of variable ages; locally strongly deformed; locally includes minor quartzite and mylonite



Dolerite dyke; fine to medium grained and even textured or weakly porphyritic; subophitic and intergranular textures

**Edmundian Orogeny (1070–755 Ma)<sup>1</sup>**

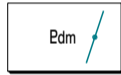


Serpentinite after ultramafic plugs

**Capricorn Orogeny (1830–1780 Ma)<sup>2</sup>**



- EgMe* Even-textured to moderately porphyritic biotite granite; medium to coarse grained; ranges from massive to strongly layered; locally with mafic schlieren
- EgMp* Porphyritic to even-textured biotite(-muscovite) syenogranite to trondhjemite, and pegmatite; medium to very coarse grained; sheets and veins; locally gneissic; locally garnet, tourmaline, magnetite, or muscovite bearing



Metadolerite dyke containing hornblende and/or garnet coronas around pyroxene

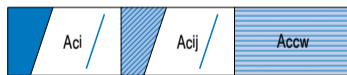
**Glenburgh Orogeny (2005–1960 Ma)<sup>2</sup>**



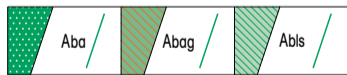
- Age* Even-textured, fine- to medium-grained biotite monzogranite; massive to strongly foliated; local quartz-sericite schist
- Agrb* **ROCKY BORE GRANITE:** porphyritic monzogranite with tabular feldspar phenocrysts; medium grained
- Agf* Foliated biotite monzogranite; even textured to porphyritic, medium grained
- Agp* Medium-grained, very strongly porphyritic biotite monzogranite; ranges from massive to gneissic
- Agpr* Grey, strongly porphyritic, foliated biotite monzogranite with coarse, round phenocrysts of K-feldspar; locally comprises augen gneiss



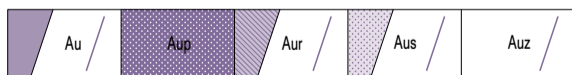
- Asl* Calc-silicate gneiss; quartz-diopside-feldspar-tremolite(-microcline) and diopside-tremolite-titanite rocks
- Asq* Quartzite; minor quartz-diopside and quartz-sillimanite-garnet gneiss
- Asp* Interlayered pelite and psammite; includes crenulated quartz-chlorite-muscovite(-feldspar-biotite-garnet-?andalusite) schist
- Aspk* Interlayered cordierite-kyanite-sillimanite-quartz schist and garnet-biotite-chlorite-feldspar-quartz schist



- Aci* Metamorphosed banded iron-formation; quartz-magnetite and quartz-magnetite-grunerite gneiss; minor carbonate-bearing banded iron-formation
- Acij* Metamorphosed jaspillic banded iron-formation
- Accw* Grey and white banded chert



- Aba* Amphibolite; fine-grained aphyric, and medium-grained porphyritic, hornblende-plagioclase-clinopyroxene rock, and minor tremolite-actinolite(-quartz) rock; locally includes metagabbro and metaleucogabbro
- Abag* Interlayered clinopyroxene amphibolite and garnet amphibolite; metamorphosed hydrothermally-altered mafic rocks occur locally as lenses of very coarse grained gedrite-garnet-quartz(-kyanite) rock, gedrite schist, and quartz-garnet rock
- Abls* Chlorite schist



- Au* Ultramafic schist, metapyroxenite, and serpentinite; locally includes metamorphosed layered pyroxenite and gabbro
- Aup* Serpentinized peridotite including dunite, and serpentine-tremolite-calcite-sphene rock; locally with relict olivine
- Aur* Tremolite and tremolite-chlorite-talc schist
- Aus* Fine- to medium-grained serpentinite; after peridotite
- Auz* Ultramafic rock, variably silicified



- Ang* Granitic gneiss, undivided
- AEngl* Leucocratic granitic gneiss and foliated leucocratic granite; quartz-plagioclase-microcline-biotite rock; derived from 3300–2640 Ma granite and granitic gneiss (Angl), and sheets and veins of coarse-grained granite and pegmatite (EgMp); all deformed and metamorphosed at c. 1810 Ma
- Angl* Leucocratic granitic gneiss and foliated leucocratic granite; quartz-plagioclase-microcline-biotite rock; derived from 3300–2640 Ma granite and granitic gneiss
- Ahf* Felsic granulite containing hypersthene, garnet, plagioclase, K-feldspar, and quartz; garnet and/or amphibole form corona textures around hypersthene; includes layers of mafic granulite

PROTEROZOIC

PALAEOPROTEROZOIC

1830–1780 Ma<sup>2</sup>  
c. 1797 Ma<sup>3</sup>  
c. 2615 Ma<sup>4</sup>  
c. 2685–2645 Ma<sup>7</sup>

Mooranite Supersuite

GASCOYNE COMPLEX

ARCHAIC

YILGARN CRATON