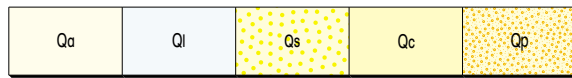


PHANEROZOIC

CAINOZOIC

QUATERNARY

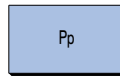


- Qa Alluvium — sand and gravel in rivers and creeks, and sand, partly reworked by wind action, on floodplains
- Ql Playa and claypan deposits — clay and silt; saline and gypsiferous in part
- Qs Eolian sand — includes self dunes and intervening sandy valleys
- Qc Colluvium — locally derived sand and gravel in scree and outwash-fan deposits
- Qp Transported sand with laterite pebbles and sand-sized particles; chiefly overlies sulphidic shale

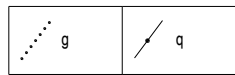


- Czl Laterite — ferruginous duricrust on tops of hills; remnants of Tertiary peneplain
- Czg Gravel and boulder beds — dissected by present drainage
- Czc Colluvium — variably cemented outwash talus, dissected by present drainage
- Czk Calcrete — massive, nodular and cavernous sandy limestone
- Czks Silicified calcrete — vuggy white opaline silica

PERMIAN



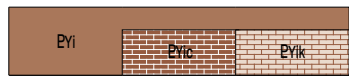
PATERSON FORMATION: sandstone, claystone, conglomerate, and boulder beds; tillite and fluvioglacial deposits



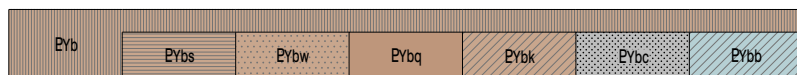
- g Gossan, or zone of gossanous rock
- q Quartz vein



- Eo Gabbro and dolerite
- Euz Ultramafic rock, variably silicified



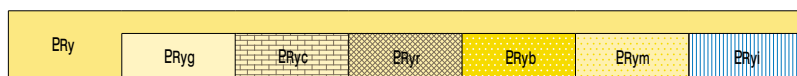
- EYl **ISDELL FORMATION:** thinly bedded carbonate rocks, calcareous siltstone, and minor shale
- EYic Dark grey carbonate rock; locally sulphidic
- EYik Pale grey to cream carbonate rock interbedded with shaly calcarenite; locally sulphidic



- EYb **BROADHURST FORMATION:** shale, turbiditic sedimentary rocks, sandstone, and carbonate rocks
- EYbs Shale; commonly sulphidic
- EYbw Graded sandstone-shale beds, and interbedded sandstone and shale
- EYbq Sandstone, minor shale
- EYbk Shale interbedded with carbonate rock; commonly sulphidic
- EYbc Carbonate rock, minor shale; commonly sulphidic
- EYbb Basalt



- EYc **COOLBRO SANDSTONE:** massive and thickly bedded sandstone; minor siltstone, shale, and carbonate units; basal conglomerate in some sections
- EYcs Shale or pelitic schist
- EYcd Sandstone, siltstone, and shale interbedded
- EYcq Massive quartz sandstone
- EYcp Conglomerate; clasts generally well rounded, polymictic, and matrix supported
- EYck Calcareous shale and local carbonate rock



- ERy **YANDAGOOGEE FORMATION:** metasedimentary rocks
- ERyg Muscovite-biotite schist; garnetiferous
- ERyc Carbonate and carbonaceous metasiltstone
- ERyr Graphite schist
- ERyb Carbonaceous biotite-muscovite schist
- ERym Quartz-muscovite schist, minor chert
- ERyi Banded iron-formation and chert



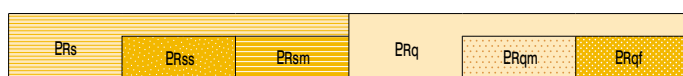
- ERgp Pegmatite; variably foliated, locally gneissic
- ERgm Leucocratic, muscovite-rich orthogneiss derived from fine- to medium-grained granite
- ERga Orthogneiss derived from porphyritic biotite granite; generally contains augen of K-feldspar
- ERgx Compositionally layered orthogneiss derived from fine- to medium-grained granite or monzogranite; alternating biotite- and feldspar-rich layers; lenticular inclusions of mafic, ultramafic and metasedimentary rocks



- ERu Metamorphosed ultramafic rock; chiefly serpentinite
- ERa Ortho-amphibolite



- ERl Banded iron-formation and chert
- ERm Muscovite schist; metamorphosed argillaceous sedimentary rock
- ERl Quartz-chlorite schist; metamorphosed shale
- ERk Calc-silicate gneiss and schist; metamorphosed carbonate rocks and calcareous arenites
- ERp Quartz-biotite-plagioclase gneiss and schist containing layers of quartzite and pelitic schist
- ERb Banded paragneiss; interlayered quartzite, quartz-feldspar gneiss, quartz-muscovite schist, biotite schist and para-amphibolite; metamorphosed sandstone, siltstone and shale



- ERs Psammitic paragneiss; includes fine-grained quartz-feldspar-muscovite gneiss, quartz-muscovite schist and quartzite layers
- ERss Paragneiss derived from sandstone; rare units of pelitic schist
- ERsm Muscovite-rich psammitic paragneiss containing numerous sheets of pegmatite gneiss
- ERq Quartzite
- ERqm Muscovite-rich quartzite and quartz-muscovite schist
- ERqf Quartzite, commonly limonitic; containing thin units of banded iron-formation

PROTEROZOIC

Yeneena Group

Ruddall Complex (stratigraphic succession not determined)

Greenschist facies metamorphism

Amphibolite facies metamorphism

CANNING BASIN

PATERSON OROGEN