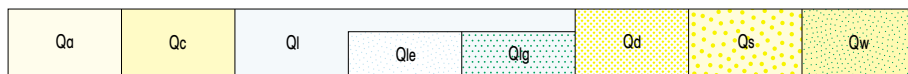


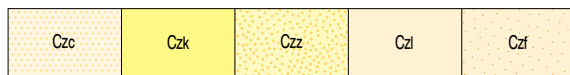
PHANEROZOIC

CAINOZOIC

QUATERNARY



- Qa Alluvial deposits — silt, sand, and gravel; in drainage channels and on floodplains
- Qc Colluvium — locally derived sand and gravel; in scree and outwash-fan deposits
- Ql Lacustrine deposits — clay, silt, and silty sand; playa and claypan deposits
- Qle Sand, silt, clay, and gypsum — in stabilized dunes adjacent to lacustrine deposits
- Qlg Reworked eolian deposits — clay, silt, and sand
- Qd Mixed lacustrine and eolian deposits — clay, silt, and sand
- Qs Eolian deposits — sand; includes sheets, and dunes with intervening sandy valleys
- Qw Colluvial clay, silt, sand, and gravel — in distal outwash deposits in poorly drained areas; numerous small claypans



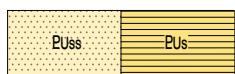
- Czc Colluvium — variably cemented outwash talus; dissected by present drainage
- Czk Calcrete — massive, nodular, and cavernous sandy limestone; locally silicified
- Czz Silcrete — siliceous caprock with angular quartz grains
- Czl Laterite — ferruginous duricrust on tops of hills; remnants of Tertiary peneplain
- Czf Lag and eolian deposits — sand with ferricrete pebbles and sand-sized particles



- d Dolerite dyke
- q Quartz vein

c. 800 Ma

Tarunyah Group



- EUss Sandstone; fine- to medium-grained, cross-bedded; local beds of quartz pebble conglomerate
- EUs Shale and micaceous siltstone; finely laminated



- EUu **GUNANYA SANDSTONE:** arkose and medium-grained sandstone; local beds of conglomerate, grit, and siltstone
- EUup Conglomerate and grit; polymictic clasts generally well rounded and matrix-supported

OFFICER BASIN

> 900 Ma

Yeneena Supergroup

Throssell Group

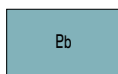


- PUNGKULI FORMATION:** shale; reddish brown to grey; minor sandstone, carbonate, and sulfidic rocks; metamorphosed
- Carbonate rock; grey, cream to pink and finely laminated; minor sandstone, shale, and sulfidic rocks; metamorphosed
- TALIWAYA FORMATION:** conglomerate, grit, and local arkosic sandstone; polymictic clasts generally well rounded and matrix-supported; metamorphosed

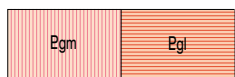
YENEENA BASIN

PROTEROZOIC

c. 1300 Ma



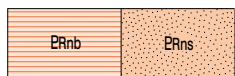
- Eb Amygdaloidal basalt; metamorphosed



- Egm Leucogranite; coarse-grained with K-feldspar megacrysts; massive
- Egl Leucogranite; medium- to coarse-grained; massive to weakly foliated



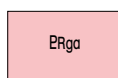
- Ed Dolerite



- ERnb Quartz-feldspar-biotite gneiss; fine-grained
- ERns Mylonite, quartz-sericite (-K-feldspar-plagioclase-muscovite-biotite) rock

1765—1790 Ma

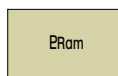
Ruddall Complex (stratigraphic succession incompletely determined)



- ERga Orthogneiss derived from porphyritic biotite granitoid rock; generally contains K-feldspar augens



- ERq Quartzite; commonly micaceous; with thin intercalations of quartz-muscovite schist
- ERqm Muscovite quartzite; subordinate intercalations of quartz-muscovite schist
- ERm Quartz-mica schist; metamorphosed argillaceous sedimentary rock
- ERi Metamorphosed banded iron-formation, chert, and pyrite-graphite schist
- ERic Chert; locally with banded iron-formation; metamorphosed



- ERam Clinopyroxene and quartz-bearing amphibolite; recrystallized, mesocratic, and medium-grained; foliated

PATERSON OROGEN