

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
- Qs Eolian deposits — sand; includes sheets and rare dunes
- Qw Colluvial and alluvial deposits — clay, silt, sand, and gravel; in distal outwash deposits in poorly drained areas; numerous small claypans
- Qwf Colluvial and alluvial deposits — ferricrete, clay, silt, and sand; in distal outwash deposits in poorly drained areas



- 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 Ferruginous duricrust on tops of hills; massive and rubbly, remnants of Tertiary peneplain
- Czf Lag and eolian deposits — sand with ferricrete pebbles and sand-sized particles

PROTEROZOIC

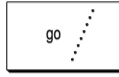
Earraheedy Group



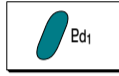
Quartz veins and pods; various ages



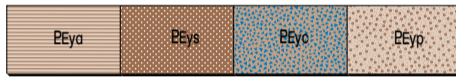
Dolerite dyke



Gossan, or zone of gossanous rock



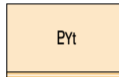
Dolerite sill; concordant and discordant



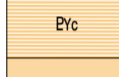
YELMA FORMATION

- EEya Thin-bedded, fine- to medium-grained sandstone, siltstone, and shale
- EEys Finely laminated shale and chert; minor dololulite
- EEyc Stromatolitic chert and chert breccia
- EEyp Polymictic conglomerate; matrix supported

Mooloogool Subgroup



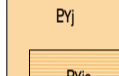
**THADUNA FORMATION:** fine- to coarse-grained lithic wacke, siltstone, and shale; minor Mn-oxide concretions



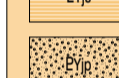
**JOHNSON CAIRN FORMATION:** laminated siltstone and shale; minor dololulite, and chert beds

Yerrida Group

Windplain Subgroup



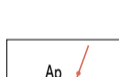
**JUDERINA FORMATION:** sandstone, cross-bedded and ripple-marked; siltstone, shale, chert, and conglomerate



Siltstone, shale, and chert; minor laminated sandstone



Conglomerate, with matrix-supported and subangular to subrounded clasts of vein quartz, and intraformational sandstone clasts



Sandstone; cross-bedded and ripple-marked; minor siltstone, shale, and chert

EARAHEEDY BASIN

YERRIDA BASIN

ARCHAIC



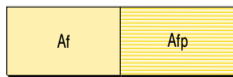
- Ap Pegmatite
- Ag Monzogranite to granodiorite; even-grained to porphyritic; metamorphosed and foliated; commonly kaolinized
- Agl Monzogranite, equigranular and leucocratic; weakly foliated



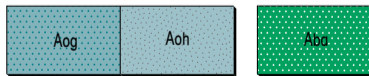
- As Metasedimentary rock; undivided
- Ash Phyllite, graphitic and sulfidic schist, and finely layered mafic schist, lesser fine- to medium-grained quartz-feldspar-mica schist; commonly lateritized
- Asq Quartzite, quartz-sericite schist, and sheared and recrystallized quartz arenite, chert, and vein quartz
- Asp Polymictic conglomerate; with subrounded to angular granitoid rock and amphibolite clasts occurring as pebbles and boulders in a mafic matrix; metamorphosed



- Aci Oxide facies banded iron-formation, finely laminated amphibolite, and ultramafic schist; commonly lateritized
- Ac Chert; silicified



- Af Felsic volcanic and volcanoclastic rock, and arkose; variably foliated with prominent feldspar and quartz phenocrysts; includes finely laminated tuff; metamorphosed
- Afp Rhyodacitic porphyry with quartz and/or feldspar phenocrysts; even-grained; metamorphosed; commonly kaolinized



- Aog Amphibolite after dolerite and gabbro; medium- to coarse-grained hornblende-clinopyroxene-calcic plagioclase rock; minor metapyroxenite and metamorphosed quartz gabbro; commonly lateritized
- Aoh Amphibolite; medium-grained, hornblende-plagioclase(-quartz-clinopyroxene) rock interlayered with plagioclase-hornblende rock
- Aba Amphibolite after basalt; includes hornblende-feldspar and chloritic schist; fine- to medium-grained tremolite-chlorite rock; commonly lateritized



- Au Ultramafic rock, undivided; includes chlorite-tremolite schist and talc-chlorite schist; commonly silicified
- Auk Basaltic komatiite; fine- to medium-grained, with relict pyroxene-spinifex texture; metamorphosed
- Aux Metapyroxenite; commonly ferruginized

MARYMA INLER

YILGARN CRATON