

PHANEROZOIC

CAINOZOIC

QUATERNARY

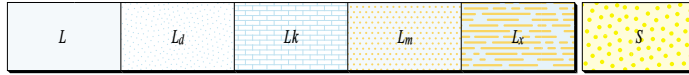


Sheetwash units

- W1* Ferruginous clay, silt, and sand as low gradient sheetwash areas
- W1f* Ferruginous gravel in low-gradient sheetwash areas
- W1q* Quartz rubble and debris adjacent to quartz veins in low-gradient sheetwash areas

Alluvial units

- A* Gravel, sand, and silt in channels and floodplains
- Ap* Clay and silt in claypans
- Ak* Calcrete in alluvial systems

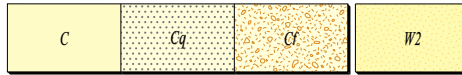


Lacustrine units

- L* Saline silt, mud, and minor sand in playa lakes
- Ld* Sand in dunes on and around playa lakes, in places gypsiferous
- Lk* Calcrete and gycrete deposits, in and around salt lakes
- Lm* Gypsiferous and saline bedded and eolian deposits adjacent to salt lakes
- Lx* Subcropping bedrock in lakes; variable to minimal exposure of rock beneath thin lacustrine deposits

Sandplain unit

- S* Unconsolidated sand; minor silt and clay, with scattered low, vegetated dunes



Colluvium units

- C* Gravel, rock fragments, sand, and silt, mostly proximal slope deposits
- Cq* Quartz vein rubble and debris
- Cf* Ferruginized rubble and colluvium; dominantly ferruginized pisolites and nodules, ferruginized rock, and ironstone rubble; degraded lateritic duricrust

Sheetwash unit

- W2* Consolidated sheetwash deposits

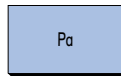


Relict units

- Rf* Ferruginous duricrust; nodular, pisolitic, and massive ferricrete (laterite) and associated debris
- Ri* Ironstone; ferruginized rock, massive to rubby; includes degraded ferruginous duricrust
- Rz* Siliceous duricrust; nodular, pisolitic, and laminar silcrete and intensely silicified bedrock

PALAEZOIC

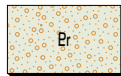
PERMIAN



PATERSON FORMATION: poorly sorted sandstone; minor conglomerate and siltstone



Quartz in massive bodies or veins



SYDNEY HEADS PASS CONGLOMERATE: conglomerate, ferruginous sandstone, and siltstone; minor pisolitic ferricrete

Stanley Fold Belt (?1760 Ma)

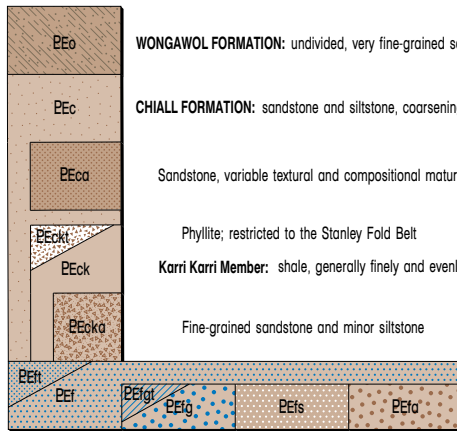
PROTEROZOIC

PALAEOPROTEROZOIC

Earaheedy Group

Miningarra Subgroup

Toooloo Subgroup



WONGAWOL FORMATION: undivided, very fine-grained sandstone, siltstone, and shale

CHIALI FORMATION: sandstone and siltstone, coarsening-upwards; marine shelf to coastal

Sandstone, variable textural and compositional maturity; stratigraphic position variable

Phyllite; restricted to the Stanley Fold Belt

Karri Karri Member: shale, generally finely and evenly laminated, siltstone, and minor sandstone

Fine-grained sandstone and minor siltstone

FRERE FORMATION

- PEf* Granular and laminar iron-formation, granular siliceous iron-formation, siltstone, shale, and chert; marine shelf to near shore
- PEft* Granular iron-formation, siltstone, and shale; deformed and metamorphosed in the Stanley Fold Belt
- PEfgt* Laminar granular iron-formation; deformed and metamorphosed in the Stanley Fold Belt
- PEfg* Granular iron-formation and granular siliceous iron-formation, in places peloidal; minor siltstone, shale, and chert
- PEfs* Siltstone and shale; minor iron-formation
- PEfa* Sandstone, locally with intercalated granular iron-formation; arenite to iron-formation transition

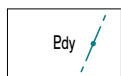


Phyllite and phyllitic shale; restricted to the Stanley Fold Belt

YELMA FORMATION: sandstone and siltstone (Diagrammatic Section and Interpreted Bedrock Geology)



Sandstone, coarse-grained and locally pebbly



Dolerite dyke, concealed; interpreted from aeromagnetic data

EARAHEEDY BASIN

YILGARN CRATON