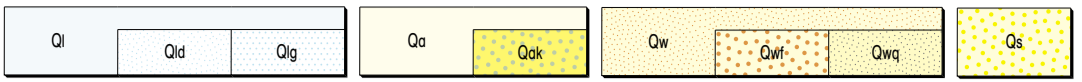


PHANEROZOIC

CAINOZOIC

QUATERNARY



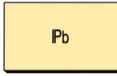
- Ql Lacustrine deposits — mud, silt, and minor sand in playa lakes, commonly saline; primarily associated with palaeodrainage systems
- Qld Sand in dunes on and around playa lakes; in places gypsiferous
- Qlg Gypsiferous and saline bedded and eolian deposits adjacent to lakes
- Qa Alluvium — sand, silt, and gravel in channels and channel systems; poorly consolidated
- Qak Calcrete associated with palaeodrainage and active drainage systems
- Qw Sheetwash deposits — sand, silt, and gravel in areas that lack clearly defined drainage channels
- Qwf Ferruginous gravel
- Qwq Quartz rubble adjacent to quartz veins and blows
- Qs Sandplain and dunes — sand and minor silt; largely eolian; minor residual component



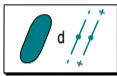
- Czl Lacustrine deposits — consolidated, partly reworked sediment in older lakes
- Cza Alluvium — consolidated and semi-consolidated sand, silt, and gravel associated with palaeodrainage systems
- Czak Calcrete associated with palaeodrainage systems; locally dissected and karstified
- Czc Colluvium — gravel, sand, and silt, commonly consolidated and dissected
- Czcf Ferruginous rubble and colluvium, dominantly ferruginized pisoliths and nodules, ferruginized rock, and ironstone rubble; degraded lateritic duricrust



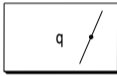
- Czrf Ferruginous duricrust — nodular, pisolitic, and massive ferricrete, and associated debris
- Czrz Siliceous duricrust — nodular, pisolitic, and massive silcrete, and intensely silicified rock



**Pb BARDSLEY FORMATION:** poorly sorted lithic sandstone and granule conglomerate; local valley-fill deposit



Dolerite sill; dyke interpreted from aeromagnetic data with reverse polarity; normal polarity



Quartz vein



- ESg **GLASS SPRING FORMATION:** poorly sorted, cross-bedded sandstone and pebble conglomerate; fluvial to ?coastal deposits
- ESgs Siltstone and shale interval



- ESc **COONABILDIE FORMATION:** siltstone and fine-grained lithic sandstone, commonly rippled; coastal deposits
- ESch Varicoloured chert; basal, coastal lagoon deposit

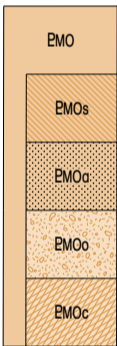
Sunbeam Group

OFFICER BASIN

CENTRALIAN SUPERBASIN



**WONYULGUNNA SANDSTONE:** quartz sandstone and subordinate siltstone, predominantly cross-bedded; local basal conglomerate; giant cross-bedding near base; fluvial and coastal deposits



- SCORPION GROUP:** siltstone, sandstone, and dolomite; undivided
- EMOs Siltstone and fine-grained sandstone; coastal deposits
- EMOa Quartz sandstone and subordinate siltstone, rippled and cross-bedded; coastal deposits
- EMOo Cobble and boulder conglomerate, subordinate sandstone; fluvial and ?alluvial fan deposits
- EMOc Interbedded stromatolitic dolomite, siltstone, and sandstone, abundant contorted bedding; coastal evaporitic deposits

Collier Group

Bangemall Supergroup

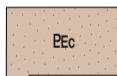
Scorpion Group

BANGEMALL SUPERBASIN

Stanley Fold Belt (?1760 Ma)



**Eraheedy Group:** metasandstone, metasilstone, and phyllite; undivided, commonly associated with abundant quartz veining; dynamically metamorphosed in the Stanley Fold Belt



**CHIALL FORMATION:** siltstone, shale, and sandstone, coarsening upwards; marine shelf to coastal

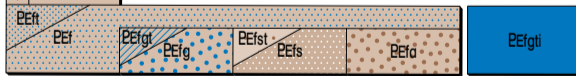


Sandstone, variable textural and compositional maturity, stratigraphic position uncertain



Phyllite; restricted to the Stanley Fold Belt

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



- PEf **FRERE FORMATION:** granular and laminar iron-formation, granular siliceous iron-formation, siltstone, shale, and chert; marine shelf to nearshore
- PEft Metasandstone, quartz-sericite schist, phyllite, metamorphosed granular iron-formation, and laminated chert-magnetite-haematite rock; restricted to the Stanley Fold Belt
- PEfg Granular iron-formation and granular siliceous iron-formation, in places peloidal; minor siltstone, shale, and chert
- PEfgt Laminar granular iron-formation and shale; deformed and metamorphosed in the Stanley Fold Belt
- PEfs Siltstone and shale; minor iron formation
- PEfst Phyllite and phyllitic shale; minor deformed and metamorphosed iron-formation; restricted to the Stanley Fold Belt
- PEfa Arenite, locally with intercalated granular iron-formation; arenite to iron-formation transition
- PEfgti Ironstone pods; deformed and metamorphosed in the Stanley Fold Belt; supergene enriched

Miningarra Subgroup

Eraheedy Group

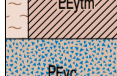
EARAHEEDY BASIN



**YELMA FORMATION**  
Dynamically metamorphosed siltstone and sandstone; quartz-sericite schist, chlorite schist, and carbonate-quartz-sericite schist; restricted to the Stanley Fold Belt



Mylonite, silicified and recrystallized mylonite (chert) and breccia; locally associated with quartz veins



Mylonite; locally associated with quartz veins



Chert derived from stromatolitic dolomite



Siltstone and shale; minor chert and carbonate

Schistose metasandstone; restricted to the Stanley Fold Belt

Sandstone, coarse-grained and locally pebbly

MESOPROTEROZOIC

PROTEROZOIC

PALAEOPROTEROZOIC

Tooloo Subgroup