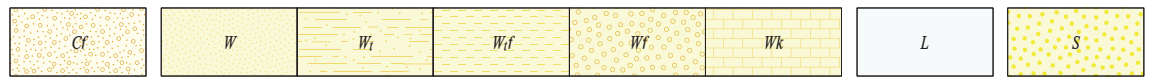


PHANEROZOIC

CENOZOIC

QUATERNARY



**Colluvial unit, age undivided or unassigned**

*Cf* Ferruginous rubble and scree

**Sheetwash units, age undivided or unassigned**

*W* Sandy and clayey distal sheetwash and slope deposits; no clearly defined drainage

*Wl* Silt and sand; surface characterized by shallow depressions aligned perpendicular to slope; supports banded mosaic vegetation ('tiger bush')

*Wlf* Ferruginous silt and sand; surface characterized by shallow depressions aligned perpendicular to slope; supports banded mosaic vegetation ('tiger bush')

*Wf* Low-gradient deposits of ferruginous sand, silt, and gravel

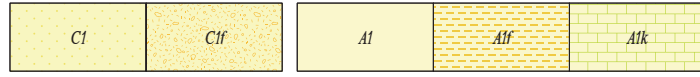
*Wk* Distal sheetwash with calcrete cutans and carbonate cement

**Lacustrine unit, age undivided or unassigned**

*L* Unconsolidated, fine-grained deposits in claypans, playas, ephemeral lakes, and swamps; low-lying areas with internal drainage

**Sandplain unit, age undivided or unassigned**

*S* Quartz sand of mixed origin; includes residual and eolian sands



**Colluvial units, unconsolidated**

*C1* Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous deposits

*C1f* Unconsolidated ferruginous rubble and scree

**Alluvial units, unconsolidated**

*A1* Unconsolidated silt, sand, and gravel in active drainage channels and floodplains; includes ferruginous deposits

*A1f* Unconsolidated silt, sand, and minor gravel in floodplains adjacent to present-day drainage

*A1k* Unconsolidated carbonate-rich silt, sand, and gravel in active drainage channels and on floodplains



**Colluvial units, weakly consolidated**

*C2* Quartz and rock fragments in a partly consolidated silt and sand matrix

*C2f* Partly consolidated ferruginous rubble and scree

**Alluvial unit, weakly consolidated**

*A2* Partly consolidated silt, sand, and gravel; partly dissected by present-day drainage

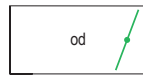


**Residual or relict units**

*Rf* Ferruginous deposits, including lateritic, ferruginous, and manganese duricrust

*Rk* Calcrete, developed in and adjacent to alluvial channels; carbonate and vuggy opaline silica; dissected by major present-day drainage

**Mulka Tectonic Event (c. 570 Ma)**



*od* Dolerite dykes, sills, or plugs; fine- to medium-grained dolerite; age uncertain

**Edmundian Orogeny (1026–954 Ma<sup>1</sup>)**

1084–1067 Ma

Warakurna Supersuite



**KULKATHARRA DOLERITE:** dolerite and gabbro sills intruded into Edmund Group and Collier Group

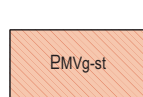
WARAKURNA  
LARGE IGNEOUS PROVINCE

MESOPROTEROZOIC

PROTEROZOIC

<1171 Ma

Salvation Group

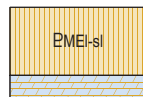


**GLASS SPRING FORMATION:** sandstone; minor conglomerate and siltstone

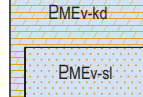
SALVATION  
BASIN

1590–1455 Ma

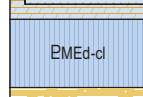
Bangemall Supergroup



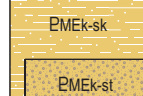
**ULLAWARRA FORMATION:** siltstone; subordinate fine-grained sandstone, dolostone, chert, and felsic volcanoclastic rock; intruded by numerous dolerite sills (section only)



**DEVIL CREEK FORMATION:** laminated dolostone and dolomitic siltstone; local thick-bedded dolorudite (section only)



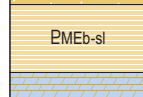
Siltstone, dolomitic siltstone, and dolostone (section only)



**DISCOVERY FORMATION:** massive or laminated chert, silicified mudstone, and siltstone; local silicified sandstone and conglomerate (section only)



**KIANGI CREEK FORMATION:** siltstone, fine- to very coarse-grained sandstone, and dolostone; minor conglomerate, chert, and felsic volcanic rock (section only)



Medium- to very thick-bedded quartz sandstone and siltstone (section only)



Siltstone; minor fine-grained sandstone, dolostone, and chert (section only)



**BLUE BILLY FORMATION:** siltstone and mudstone; minor thin- to thick-bedded sandstone; locally sulfidic (section only)

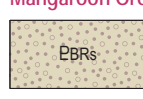


**IRREGULLY FORMATION:** stromatolitic and non-stromatolitic dolostone, siltstone, quartz sandstone, and conglomerate (section only)

EDMUND BASIN

<1679 Ma

Bresnahan Group

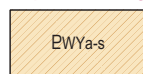


**Mangaroon Orogeny (1682–1619 Ma<sup>2</sup>)**  
Sandstone, pebbly sandstone, pebble- to boulder-conglomerate, and siltstone (section only)

BRESNAHAN  
BASIN

2008–1786 Ma

Wyloo Group



**ASHBURTON FORMATION:** mudstone, siltstone and thin- to very thick-bedded lithic-quartz sandstone; minor pebble- to cobble-conglomerate, felsic to mafic volcanic rock, banded iron-formation, and dolostone; lower greenschist facies (section only)

ASHBURTON  
BASIN