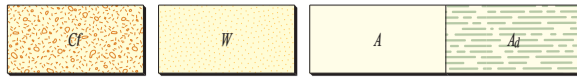


PHANEROZOIC

CENOZOIC

Unassigned

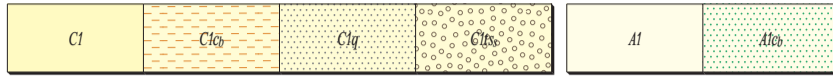
QUATERNARY



Colluvial unit
Cf Ferruginous rubble and scree

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

Alluvial units
A Silt, sand, and gravel in drainage channels and adjacent to floodplains; includes ferruginous deposits
Ad Unconsolidated, fine-grained deposits in alluvial drainage depressions, claypans, perennial lakes, and swamps; low-lying areas with internal drainage; typically thickly vegetated

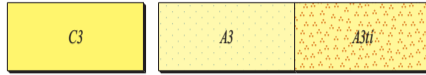


Colluvial units third generation
C1 Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous deposits
C1cb Swelling clay (gilgai) and rock fragments mostly developed over dolerite
C1q Quartz fragments in an unconsolidated silt and sand matrix, derived from quartz veins and quartzose rocks
C1ts Sandstone fragments in a silt and sand matrix; derived from sandstone

Alluvial units third generation
A1 Unconsolidated silt, sand, and gravel in active drainage channels and floodplains; includes ferruginous deposits
A1cb Swelling clay (gilgai) developed on alluvial flats



Alluvial unit second generation
A2 Partly consolidated silt, sand, and gravel; partly dissected by present-day drainage



Colluvial unit first generation
C3 Quartz and rock fragments in a weakly cemented and compacted silt and sand matrix; deeply dissected valley-fill deposits

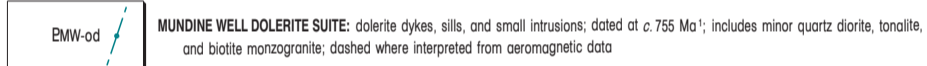
Alluvial units first generation
A3 Weakly cemented and compacted silt, sand, and gravel; deeply dissected by present-day drainage
A3ti Sand and gravel with ferruginous cement; deeply dissected by present-day drainage



Residual or relict units
Rf Ferruginous deposits, including lateritic, ferruginous, and manganiferous duricrust
Rk Calcrete, developed in and adjacent to alluvial channels; carbonate and vuggy opaline silica; dissected by present-day major drainage
Rz Silcrete and brecciated siliceous caprock

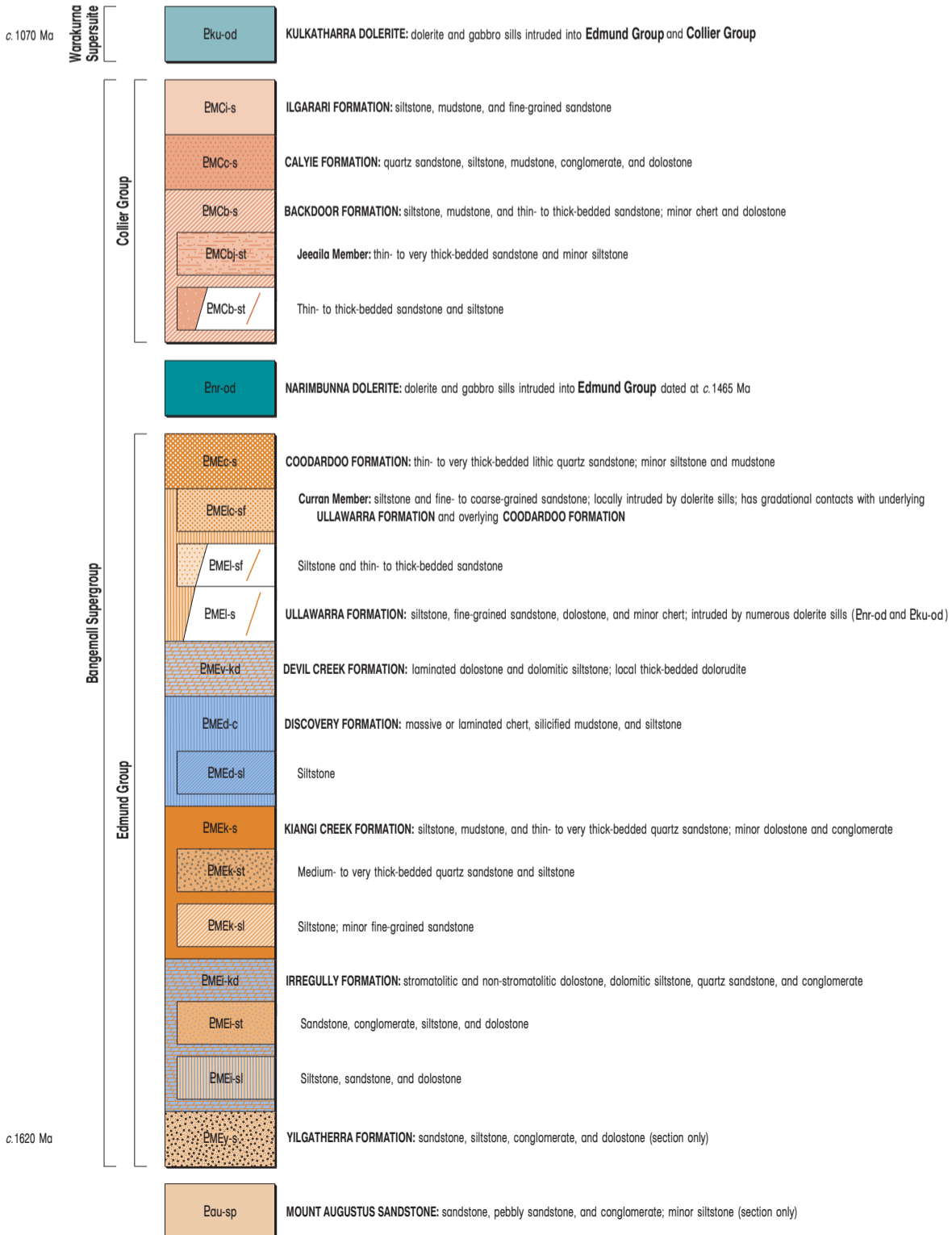


Mulka Tectonic Event (c. 570 Ma)



MUNDINE WELL DOLERITE SUITE: dolerite dykes, sills, and small intrusions; dated at c. 755 Ma¹; includes minor quartz diorite, tonalite, and biotite monzogranite; dashed where interpreted from aeromagnetic data

Edmundian Orogeny (1030–950 Ma²)



PROTEROZOIC

PALEOPROTEROZOIC–MESOPROTEROZOIC

NEOPROTEROZOIC