



Sheetwash units
W Sandy and clayey distal sheetwash and slope deposits, no clearly defined drainage
Wk Distal sheetwash with calcrete cutans and carbonate cement
Wi Sheetwash deposits of silt and sand characterized by banded mosaic vegetation (tiger bush); banding is normal to slope

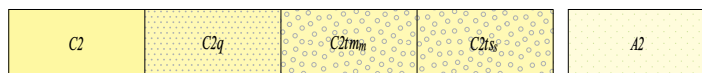
Alluvial unit
Aa Unconsolidated, mainly fine-grained deposits in drainage depressions

Lacustrine unit
L Unconsolidated, fine-grained deposits in claypans, perennial lakes, and swamps; low-lying areas with internal drainage; typically thickly vegetated



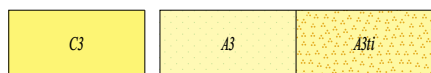
Colluvial units
C1 Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous deposits
C1c Clay, quartz sand, and deeply weathered rock fragments; reworked saprolite and saprock
C1ca Swelling clay (gilgai) and rock fragments, mostly developed over dolerite
C1f Unconsolidated ferruginous rubble and scree
C1q Unconsolidated quartz fragments in a silt and sand matrix, derived from quartz veins and quartzose rocks
C1ts Sandstone fragments in a partly consolidated silt and sand matrix, derived from sandstone
C1z Unconsolidated rubble and scree of silcrete and brecciated siliceous caprock

Alluvial units
A1 Unconsolidated silt, sand, and gravel in active drainage channels and floodplains; includes ferruginous deposits
A1c Unconsolidated silt, sand, and gravel in stream channels
A1ca Swelling clay (gilgai) developed on alluvial fans
A1r Unconsolidated silt, sand, and minor gravel in floodplains adjacent to present-day drainage



Colluvial units
C2 Quartz and rock fragments in a partly consolidated silt and sand matrix
C2q Quartz fragments in a partly consolidated silt and sand matrix, derived from quartz veins and quartzose rocks
C2tm Metamorphosed quartz sandstone fragments in a partly consolidated silt and sand matrix, derived from metamorphosed quartz sandstone
C2ts Sandstone fragments in a partly consolidated silt and sand matrix, derived from sandstone

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



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

Alluvial units
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 major present-day drainage
Rl Saprolite and saprock of uncertain protolith
Rz Silcrete and brecciated siliceous caprock



zq Quartz veins, of various ages
zqt Quartz-tourmaline veins, of various ages

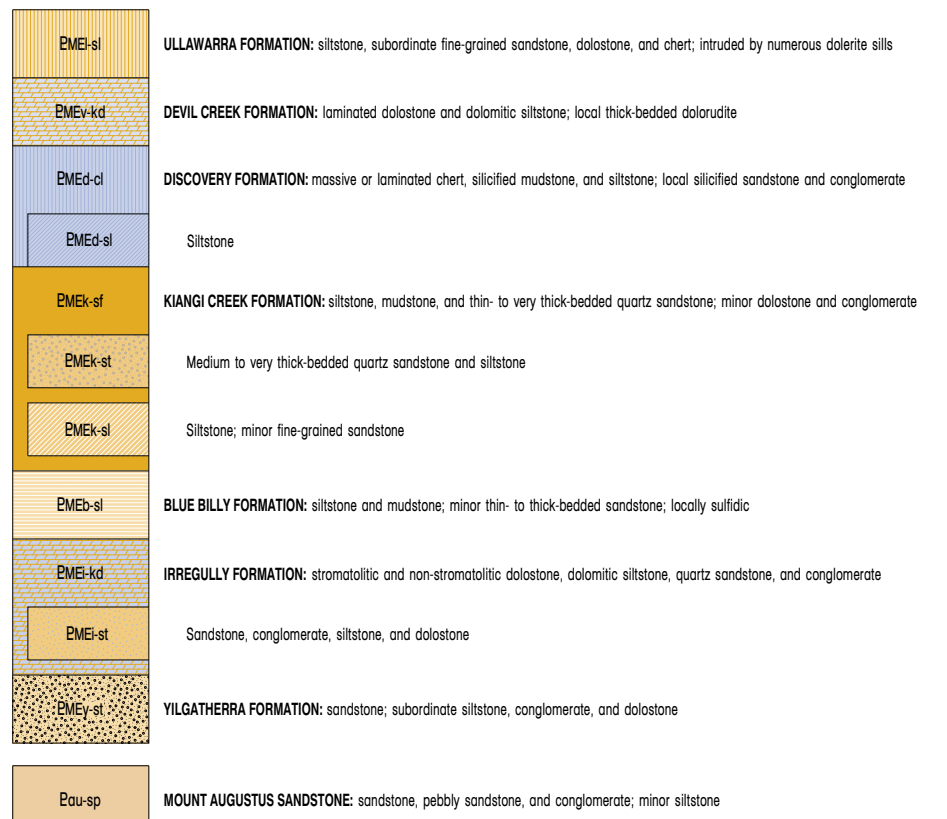
Mulka Tectonic Event (c. 570 Ma)

 Dolerite dykes, sills, and small intrusions with locally abundant xenoliths and potassic alteration of wallrocks; includes minor quartz diorite, syenite, tonalite, and biotite monzogranite

Edmundian Orogeny (1030-950 Ma²)

 Leucocratic medium-grained muscovite-tourmaline(-biotite) monzogranite; equigranular to porphyritic

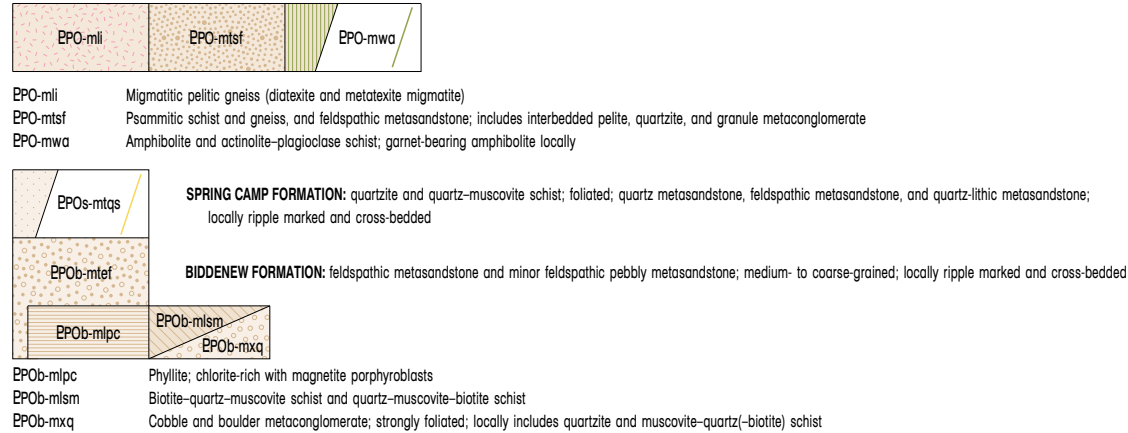
EM-od NARIMBUNNA DOLERITE: dolerite and gabbro sills intruded into Edmund Group



Mangaroo Orogeny (c. 1680-1620 Ma)



EDU-ggvs Schlieric, medium-grained biotite-muscovite granodiorite with abundant inclusions of metasedimentary rock and augen gneiss; minor flow-banded biotite-muscovite monzogranite with inclusions
EDU-gmv Cream, medium-grained muscovite-biotite granodiorite and monzogranite; equigranular to weakly porphyritic
EDU-gmvt Cream, medium-grained muscovite-tourmaline(-biotite) monzogranite; locally garnet bearing
EDUd-grpv DINGO CREEK GRANITE: porphyritic biotite-muscovite monzogranite to syenogranite; fine- to medium grained with thin, tabular K-feldspar phenocrysts defining a trachytic texture
EDUpi-gmw PIMBYANA GRANITE: massive, medium-grained, megacrystic and porphyritic biotite(-muscovite) monzogranite; tabular megacrysts of K-feldspar up to 7 cm long
EDUyn-gml YANGIBANA GRANITE: Equigranular to locally weakly porphyritic, medium-grained biotite-muscovite monzogranite with abundant inclusions of metasedimentary rock or porphyritic granodiorite
EDUyn-gmv Equigranular to locally weakly porphyritic, medium-grained biotite-muscovite monzogranite; locally contains tourmaline; may contain inclusions of metasedimentary rock or porphyritic granodiorite
EDU-mgm-m Foliated biotite(-muscovite) metamonzogranite; locally layered; abundant inclusions of pelitic schist, quartzite, and amphibolite; includes some migmatite
EDU-mgmml Foliated leucocratic muscovite(-biotite) metamonzogranite; medium grained; equigranular
EDU-mgmt Foliated leucocratic muscovite(-tourmaline) metamonzogranite; locally coarse grained
EDU-mgms Schistose mesocratic biotite metamonzogranite and metagranodiorite; fine- to medium-grained
EDU-mgnl Gneissic to schistose, leucocratic biotite-muscovite metamonzogranite to metasyenogranite; fine- and medium-grained; pegmatite banded
EDUda-mgmu DAVEY WELL GRANITE: schistose coarse-grained, strongly porphyritic biotite metamonzogranite; round phenocrysts of K-feldspar up to 6 cm in diameter
EDU-mgmb Foliated, medium-grained and fine- to medium-grained equigranular or sparsely porphyritic biotite(-muscovite) metamonzogranite; commonly with igneous banding
EDU-mgrl Foliated, leucocratic biotite-muscovite metasyenogranite; fine- to medium-grained; equigranular to sparsely porphyritic



EPO-mil Migmatitic pelitic gneiss (diatexite and metatexite migmatite)
EPO-mls Psammitic schist and gneiss, and feldspathic metasandstone; includes interbedded pelite, quartzite, and granule metaconglomerate
EPO-mwa Amphibolite and actinolite-plagioclase schist; garnet-bearing amphibolite locally

SPRING CAMP FORMATION: quartzite and quartz-muscovite schist; foliated; quartz metasandstone, feldspathic metasandstone, and quartz-lithic metasandstone; locally ripple marked and cross-bedded

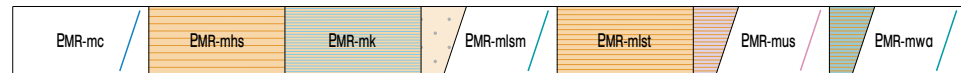
BIDDENW FORMATION: feldspathic metasandstone and minor feldspathic pebbly metasandstone; medium- to coarse-grained; locally ripple marked and cross-bedded

EPOb-mipc Phyllite; chlorite-rich with magnetite porphyroblasts
EPOb-mism Biotite-quartz-muscovite schist and quartz-muscovite-biotite schist
EPOb-mxq Cobble and boulder metaconglomerate; strongly foliated; locally includes quartzite and muscovite-quartz(-biotite) schist

Capricorn Orogeny (c. 1830-1780 Ma)



EMO-gge Equigranular to sparsely porphyritic, medium-grained biotite(-muscovite) granodiorite
EMO-gma Pink, fine-grained equigranular to seriate biotite monzogranite
EMO-gmal Fine-grained, leucocratic biotite monzogranite
EMO-gmap Leucocratic porphyritic micromonzogranite; locally flow banded
EMO-gmeb Massive, equigranular to sparsely porphyritic biotite monzogranite; medium- and coarse-grained; minor muscovite in places; includes some granodiorite and minor leucocratic tonalite
EMO-gml Massive, equigranular, leucocratic biotite monzogranite; medium- and coarse-grained
EMO-gmp Massive, medium-grained, porphyritic biotite monzogranite; round phenocrysts of K-feldspar up to 5 cm in diameter; minor fine- to medium-grained, sparsely porphyritic biotite monzogranite
EMO-gmpi Medium- to coarse-grained mesocratic biotite monzogranite; equigranular to porphyritic; abundant round inclusions of mesocratic microgranite
EMO-gte Equigranular to sparsely porphyritic biotite tonalite and granodiorite; medium grained; massive to weakly foliated
EMO-gti Medium- to coarse-grained tonalite with abundant mafic clots; lesser medium-grained granodiorite with scattered mafic clots
EMO-mgmml Leucocratic, equigranular muscovite(-biotite) metamonzogranite; fine to medium-grained; weakly foliated
EMO-mgsl Schistose, leucocratic muscovite(-biotite) metamonzogranite
EMOgo-mgn GOOCHE GNEISS: strongly foliated, porphyritic metagranodiorite and metamonzogranite, and augen gneiss
EMO-xmg-m Mesocratic biotite metagranodiorite to metamonzogranite and pale grey, layered biotite(-muscovite) metamonzogranite; commonly schistose; includes rofts of pelitic to psammitic schist, amphibolite, calc-silicate rock, and quartzite
EMO-mog Massive, subophitic metagabbro; medium grained; amphibolite; minor hornblende schist



EMR-mc Metachert
EMR-mhs Pelitic and psammitic schist; quartz-biotite-muscovite-feldspar schist, quartz-sericite-biotite schist, quartz-sericite-chlorite schist; minor metasandstone and granule metaconglomerate
EMR-mk Calc-silicate gneiss and schist; fine grained
EMR-mism Pelitic schist; muscovite-quartz-biotite-plagioclase-magnetite and quartz-muscovite-biotite-plagioclase schist
EMR-mist Pelitic schist and semi-pelitic schist; staurolite-garnet-biotite-muscovite(-andalusite) schist
EMR-mus Actinolite schist and actinolite-chlorite-sericite schist after ultramafic rock
EMR-mwa Amphibolite and actinolite-plagioclase schist