C CC	W	₩ſ	Wk	Wq	A	L
------	---	----	----	----	---	---

Colluvial units (generation unassigned)

Quartz and rock fragments in a silt and sand matrix; includes ferruginous deposits Cf

Ferruginous rubble and scree

Jnassigned

QUATERNARY

PHANEROZOIC

CAINOZOIC

- Sheetwash units (generation unassigned)
- W Sandy and clayey distal sheetwash and slope depostis; no clearly defined drainage Wf
- Predominantly iron-rich sheetwash and slope deposit; derived from relict ferruginous deposits
- Wk Distal sheetwash with planar calcrete cutans and carbonate cement
- Predominantly quartz-rich sheetwash and slope deposits; derived from quartz veins and quartz-rich rock Wq

Alluvial unit (generation unassigned)

Silt, sand, and gravel in drainage channels and adjacent to floodplains; includes ferruginous detritus

Lacustrine unit (generation unassigned)

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

C1	Clf Clg
A1	Alc Alco Alte

Colluvial units (third generation)

- Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous detritus C1
- C1cb Swelling clay (gilgai) and rock fragments typically developed over dolerite
- Unconsolidated ferruginous rubble and scree C1f Quartz fragments in an unconsolidated silt and sand matrix; derived from quartz veins and quartzose rock
- C1q 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
- Clayey alluvium developed on alluvial flats A1c
- A1c_b Swelling clay (gilgai) developed on alluvial flats A1k Silt, sand, and gravel as stream-bank deposits marginal to active channels; incised by modern drainage
- C^2 A2 A2q

Colluvial units (second generation)

C^2 Quartz and rock fragments in a partly-consolidated, silt and sand matrix

- Alluvial units (second generation)
- A2 Partly consolidated silt, sand, and gravel; partly dissected by present-day drainage
- Alluvium with abundant vein-quartz clasts A2q

C3	A3 A3ti
----	---------

Colluvial units (first generation)

Quartz and rock fragments in a weakly cemented and compacted silt and sand matrix; deeply dissected valley-fill deposits С3

Alluvial units (first generation)

- АЗ 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

_					
Rf			Rk	Rkz	Rz
	Klp Klp0	Кіро			

Residual or relict units

Rfn

d

q

- Rf Ferruginous deposits, including lateritic, ferruginous, and manganiferous duricrust
 - Pisolitic laterite
- Pisolitic limonite with fossil wood fragments: incised by present-day drainage: possibly equivalent to ROBE PISOLITE Rfp0
- Rk Calcrete, developed in and adjacent to alluvial channels; carbonate and vuggy opaline silica; dissected by major present-day drainage lines
- Rkz Silicified calcrete, developed in and adjacent to alluvial channels; vuggy opaline silica and minor carbonate; dissected by major present-day drainage lines
- Rz Silcrete and brecciated siliceous caprock



Dolerite dykes, sills, and small intrusions, of various ages; one set dated c.755 Ma¹

Quartz veins, of various ages

Edmundian Orogeny (c. 1070-755 Ma)





COLUER BASIN