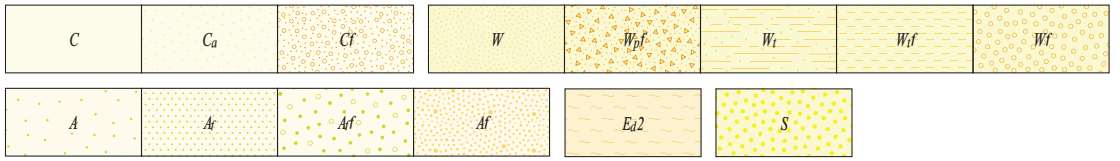


PHANEROZOIC

CENOZOIC

QUATERNARY



Colluvial units, age undivided or unassigned

- C* Quartz and rock fragments in a silt and sand matrix; includes ferruginous deposits
- Ca* Colluvial fan; sand or clay rich
- Cf* Ferruginous rubble and scree

Sheetwash units, age undivided or unassigned

- W* Sandy and clayey distal sheetwash and slope deposits; no clearly defined drainage
- Wpf* Predominantly ferruginous sandy and clayey distal sheetwash deposits with claypans and playas; locally abundant quartz-vein debris
- Wi* Silt and sand; surface characterized by shallow depressions aligned perpendicular to slope; supports banded mosaic vegetation ('tiger bush')
- Wif* 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

Alluvial units, age undivided or unassigned

- A* Clay, silt, sand, and gravel in channels and on floodplains
- Ar* Unconsolidated, fine-grained deposits on floodplains
- Af* Unconsolidated, fine-grained ferruginous deposits on floodplains
- Af* Ferruginous clay, silt, sand, and gravel in channels and on floodplains

Eolian unit, age undivided or unassigned

- Ed2* Eolian dunes stabilized by vegetation

Sandplain unit, age undivided or unassigned

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

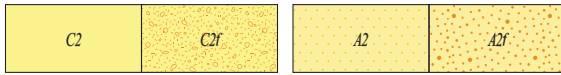


Colluvial units, unconsolidated

- C1* Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous deposits
- Cf* Unconsolidated ferruginous rubble and scree

Alluvial units, unconsolidated

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

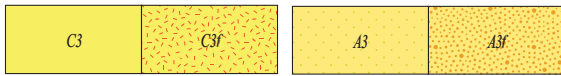


Colluvial units, weakly consolidated

- C2* Quartz and rock fragments in a partly consolidated silt and sand matrix
- Cf* Partly consolidated ferruginous rubble and scree

Alluvial units, weakly consolidated

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

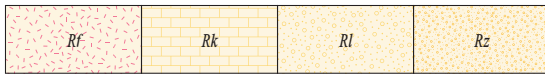


Colluvial units, consolidated

- C3* Quartz and rock fragments in a weakly cemented and compacted silt and sand matrix; deeply dissected valley-fill deposits
- Cf* Ferruginous rubble and scree in a weakly cemented and compacted silt and sand matrix; partly dissected

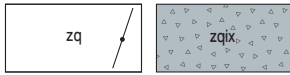
Alluvial units, consolidated

- A3* Weakly cemented and compacted silt, sand, and gravel; deeply dissected by present-day drainage
- Af* Weakly cemented silt, sand, and minor gravel in older floodplains adjacent to older drainage

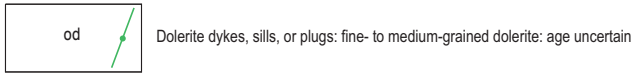


Residual or relict units

- 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 vein or pod; massive, crystalline, or brecciated; age uncertain
- zqix* Quartz vein breccia with goethite-hematite infill; age uncertain



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

Mulka Tectonic Event (c. 570 Ma)

Edmundian Orogeny (1026–954 Ma¹)

