	-			С	Cf W W1 W1 W1 W1 W1 W1
				Colluvial units C Cf	Quartz and rock fragments in a silt and sand matrix; includes ferruginous deposits Ferruginous rubble and scree
IC				Sheetwash uni W Wt Wf Wf Wf Wr	its Sandy and clayey distal sheetwash and slope deposits; no clearly defined drainage Silt and sand; surface characterized by shallow depressions aligned perpendicular to slope; supports banded mosaic vegetation ('tiger bush') Ferruginous silt and sand; surface characterized by shallow depressions aligned perpendicular to slope; supports banded mosaic vegetation ('tiger bush') Clay, silt, and sand from saprolite and saprock Low-gradient deposits of ferruginous sand, silt, and gravel
					Distai sheetwash win calcrete cutans and carbonate cement
			Alluvial units A Ad Ar Af Af Ak Lacustrine uni L Sandplain unit S	Clay, silt, sand, and gravel in channels and on floodplains Unconsolidated, fine-grained deposits in alluvial drainage depressions, claypans, ephemeral lakes, and swamps; low-lying areas with internal drainage: typically thickly vegetated Unconsolidated, fine-grained deposits on floodplains Ferruginous clay, silt, sand, and gravel in channels and on floodplains Unconsolidated, fine-grained ferruginous deposits on floodplains Calcrete developed in and adjacent to alluvial channels t Unconsolidated, fine-grained deposits in claypans, playas, perennial lakes, and swamps; low-lying areas with internal drainage Quartz sand of mixed origin: includes residual and eolian sands	
CENOZO				C1	Ctc Cti Ciq A1 Aff
	QUATERNARY			Colluvial units C1 C1c C1f C1q Alluvial units, s A1 A1f	, second generation Quartz and rock fragments in an unconsolidated silt and sand matrix; includes ferruginous deposits Clay, quartz sand, and deeply weathered rock fragments; reworked saprolite and saprock Unconsolidated ferruginous rubble and scree Unconsolidated quartz fragments in a silt and sand matrix; derived from quartz veins and quartzose rocks second generation Unconsolidated silt, sand, and gravel in active drainage channels and floodplains; includes ferruginous deposits Unconsolidated ferruginous silt, sand, and gravel
				C2 Colluvial units C2 C2f	C2f A2 A2f , first generation Quartz and rock fragments in a partly consolidated silt and sand matrix Partly consolidated ferruginous rubble and scree First conservation
				Altavial units, 1 A2 A2f	Partly consolidated silt, sand, and gravel; partly dissected by present-day drainage Partly consolidated ferruginous silt, sand, and gravel; partly dissected by present-day drainage
				Rif	Rf Rk Rl Rz
	-			Residual or rel R _i f Rf Rk Rl Rz	lict units In situ weathered rock; ferruginous Ferruginous deposits, including lateritic, ferruginous, and manganiferous duricrust Calcrete, developed in and adjacent to alluvial channels; carbonate and vuggy opaline silica; dissected by major present-day drainage Saprolite and saprock of uncertain protolith Silcrete and brecciated siliceous caprock
				Mulka Tector	nic Event (c. 570 Ma)
				od /	Dolerite dykes, sills, or plugs; fine- to medium-grained dolerite; age uncertain
c	- 2. 1070 Ma	Supersuite	_	Edmundian (EWKku-od	Crogeny (1030–955 Ma1) KULKATHARRA DOLERITE: dolerite and gabbro sills intruded into Edmund Group and Collier Group
			-	PMCi-s l	ILGARARI FORMATION: siltstone, mudstone, and fine-grained sandstone
				PMCi-cl	Chert and silicified siltstone
				EMCc-st	CALYIE FORMATION: quartz sandstone, siltstone, mudstone, conglomerate, and dolostone
OZOIC	Group			EMCc.ss	Thin- to thick-bedded sandstone and siltstone
IC-MESOPROTER				PMCc-sl	Siltstone and minor sandstone
		rgroup	Collier (PMCb-si	BACKDOOR FORMATION: siltstone, mudstone, and thin- to thick-bedded sandstone; minor chert and dolostone
0		Supe		PMCb-st	Thin- to thick-bedded sandstone and minor sillstone

L J WARAKURNA LARGE IGNEOUS PROVINCE

COLLIER BASIN

PHANEROZOIC

