			C1	CIF CIF	W1 W1gpg	A1	A1c	Alach Al		Ali		
			Colluvial units									
			C1 Coll	uvial sand, silt, and gravel in outwash f	ans; scree and talus; proximal mass-wasting	deposits; unconsolidate	ed					
	₹.		Clf Ferr Clfr Ferr	uginous colluvium; unconsolidated silt, : uainous colluvium; unconsolidated silt. :	sand, and rock debris; proximal mass-wasting sand, and rock debris; proximal mass-wasting	g of deposits a of ferruainous duricru	st					
	RNA		Low-aradient slop	e units		5						
	ATEI		W1 Silt,	W1 Silt, sand, and pebbles in distal sheetwash fans; no defined drainage								
	on		W1gpg Qua	W1gpg Quartzofeldspathic sand and quartz pebbles in sheetwash fans; derived from mass-wasting of granitic rocks								
			Alluvial units		4.4							
			AI Allu Alc San	vial sand, clay, silt, and gravel in active d. silt, and aravel in active drainage ch	arainage areas annels: includes clay silt, and sand in poorly	defined drainage cour	ses on floodalai	ins				
			Alacb Allu	vial clay and silt in drainage depression	is subject to flooding; poorly defined drainage	e channels, and local c	laypans; gilgai :	surface, generally vegetated				
			A1r Floo	dpain deposits; sand, silt, clay, and gro	avel adjacent to main drainage channels							
				ad floodplain deposits; sand, silt, and ci	ay adjacent to main drainage channels; num	erous small claypans						
CAINOZOIC			Colluvial units									
			C2 Part C2fpg Vari	iy consolidated colluvial sand, silt, and ably consolidated quartzofeldspathic sa	gravei in proximal outwasn tans; scree and t nd. silt. and clay on palaeoslopes: derived fr	aius; aissectea by pres om mass-wastina of ar	ent-aay arainag anitic rocks: ferr	e ruainous: dissected by present-day	drainaae			
			Alluvial unit A2 Con	solidated alluvial sand, silt, and gravel;	dissected by present-day drainage				uruningo			
			RZCbVb	R3gpg R2k	]							
	Pacidual or zalist usite											
			Residual or relict	<b>UNITS</b> idual and sheetwash clay and silt conta	ining fragments of basalty expansive clay wit	h ailaai surface: overlie	s basalt on are	as of plateau: locally dissected by	nresent-day a	Irainaae		
			R2gpg Vari R2k Resi	R2gpg Variably consolidated eluvial and colluvial sand, gravel, and silt overlying, and derived from mass-wasting of granitic rocks; variably consolidated; dissected by present-day drainage   R2k Residual calcrete; massive, nodular, and cavernous limestone; variably silicified; dissected by present-day drainage								
			Ňmi-kt	MILLSTREAM FORMATION: dolomite,	calcareous dolomite, and calcrete; minor cla	ay and basal conglome	rate; local resid	ual silcrete and chert breccia				
	IEOGENE		A3	R3f								
	ENE to N		Alluvial unit A3 Con	solidated alluvial sand, silt, and gravel	along palaeodrainage lines; related to Hame	rsley Surface; dissected	by present-day	/ drainage				
	EOG		Residual or relict	esidual or relict unit								
	PAL	R37 Ferruginous duricrust and ferruginous colluvium; locally includes ferruginous alluvium; consolidated to partly consolidated; related to Hamersley Surface; dissected by present-day drainage										
	_		EN(b cip	ROBE PISOLITE: pisolitic limonite, goethite, and hematite deposits; developed along palaeodrainage lines; dissected by present-day drainage								
OZOIC	-		PBH-od	PMW.od								
OTER			Enrou	LINIVOU								
NEOPR	_ <i>c</i> . 755 Ma <sup>1</sup>		ERH-od Rou EMW-od Mu	Ind Hummock Dolerite Suite: dolerit ndine Well Dolerite Suite: dolerite dy	e dyke; fine to medium grained ke with locally abundant granitic xenoliths an	nd potassic alteration of	f wallrocks; loca	ıl syenite				
_	с. 2597 Ма <sup>2</sup>	ersley oup	AHAm-cib	MARRA MAMBA IRON FORMATION:	panded iron-formation: minor chert, mudstone	e, and siltstone			-			
	2600-2620 Ma <sup>3</sup> 4	E E E	_			,						
	2090-2029 Md ° *		AFOj-sh	Shale and minor siltstone								
			AFOj-xcl-kd	Shale, chert, and dolomite; decin	netre- to metre-scale bedding; includes uncor	mmon, small domical st	tromatolites in d	lolomite				
			AFOj-kd	Thinly bedded dolomite; minor cl	nert and shale							
			AFOj-sf	Shale, fine-grained sandstone, si	tstone, and black chert							
			AFOj-cc	AFOj-cc Blue-grey and black chert								
	2718–2713 Ma°°	٩	VAFOm-bbv V	AFOM-bby Basalt; massive, fine grained, vesicular, and doleritic; thick flows and/or sills, to thin flows; local very coarse gas cavities filled with quartz				vities filled with quartz				
	с. 2713 Ма <sup>в</sup>	Supergrou up	AFOmk-bntt	Omk-britt Kuruna Member: basaltic to andesitic volcaniclastic rocks (common accretionary Iapilli), sandstone, siltstone, shale, and local stromatolitic limestone					NISt	SIN		
		nt Bruce S	V AFOm-sh	Shale and siltstone					ERSLEY BA			
		Forte	AFOm-bntt	AFOm-bntt/ Basaltic to andesitic volcaniclastic sandstone, siltstone, and shale								
	2719–2715 Ma <sup>3 6 7</sup>		AFOt-bntt	IUMBIANA FORMATION Basaltic to andesitic volcaniclast	ic siltstone and sandstone: well bedded with	local cross-beddina ar	nd accretionary	lapilli:				
			TH OF DIR	common welded matrix; loca	I stromatolites; local shale and quartz sands	tone	a decretionary	apin,				
	2727–2721 Ma <sup>6</sup> 2749–2735 Ma <sup>6</sup>		AFOtm-kts	Meentheena Member: lenticular u sandstone and sittetone (acc	nits of stromatolitic, dark-grey siliceous limes	stone or dolomite within	I laterally variab	le sequences of volcaniclastic				
			ALC: NO	Mingah Member: basaltic to and	esitic volcaniclastic sandstone and siltstone (	common accretionary lo	apilli), and local	quartz sandstone, shale,				
			AFUI-DRI	and thin lenticular stromatoli	tic carbonate units; locally thick basalt flows							
	2149-2130 MU "		AFOk-bb	Massive to vesicular basalt		AFO-od	Dolerite	dyke or sill				
							/	-				
			AFOk-st	Quartz sandstone								
			AFOK-bbz	Coarse pillow breccia with fine-g	rained hyaloclastites; sandy matrix							
			<u> </u>							ATON		
	2766–2752 Ma <sup>3 6</sup>		AFOh-sr	HARDEY FORMATION Coarse to pebbly sandstone: min	or pebble conglomerate: thickly bedded					A CR		
		LL					/ Block	Range Dolerite Suite:		ILBAF		
					c 2772 M	ABL-od	dole	arita duka: local adbhro:		<b>D</b>		

ARCHAEAN

PHANEROZOIC

PROTEROZOIC

ABL-od

*c.* 2772 Ma <sup>9</sup>

dolerite dyke; local gabbro; weakly metamorphosed

