	QUATERNARY	Aa Aa Aa	4	
		Aa Apc Au	Alluvial plain Claypan; locally with salt efflorescences Superficial channel	
		Ce	Cef Ce Cf Cm Wr	
		$\begin{array}{l} \mbox{Colluvial units} \\ C_e \\ C_e f \\ C_f \\ C_f \\ C_{fm} \\ \mbox{Sheetwash units} \\ W_f \end{array}$	Pediment at foot of breakaway; typically with outcrop of saprolite, quartz veins, and ferruginous material Pediment at foot of breakaway; dominated by ferruginous lag Colluvium Colluvium; dominantly ferruginous materials Colluvium; dominantly ferromagnesian materials Sheetwash fan; very gently inclined landform (< 1° slope); extremely low relief	
CENOZOIC		Ee	Eveg Ev Ev Ev Ev Ev	
5		Eolian units $E_e$ $E_e e_g$ $E_n$ $E_r$ $E_r f$ $E_r k$ $E_s k$ $E_t$	Sand dune Fringing deposit around claypan; massive, powdery, gypsiferous material Net-like dunefield Eolian sandplain Eolian sandplain; relatively abundant fine-grained ferruginous pisoid lag Eolian sandplain; subsurface calcrete Eolian sandplain overlying alluvial-playa plain; subsurface calcrete and abundant m-scale calcrete ridges and mounds Eolian veneer over alluvium and/or colluvium Eolian veneer over alluvium and/or colluvium; subsurface calcrete Swale	
		Rd <sup>°</sup>	Rí Rý Roky	
	-	Residual or relict u Rd Rf Rg R <sub>r</sub> k <sub>g</sub> R <sub>r</sub> k <sub>p</sub>	nits Residual soils overlying saprolite and ferruginous material; locally with pedogenic calcrete Residual or relict ferruginous materials; ferruginous and ferruginized saprolite; ferruginous duricrust; also includes transported material; cemented or uncemented ferruginous gravel Saprolite derived from felsic rock Groundwater calcrete; locally forms low mounds; nodular to massive; commonly with alternating layers of carbonate and chalcedony Pedogenic calcrete; nodular to massive	
		P-si	Mudstone; age unknown, presumed Phanerozoic	
50	-		rogeny (c. 570–530 Mα')	
NEOPROTEROZOIC		Ezq /	Massive, coarse-grained vein quartz	
NEO		Pmod PmyyMU	Metadolerite and dolerite of various ages; typically ophitic to subophitic textured; locally with garnet coronas around pyroxene; interpreted from aeromagnetic data where dashed Mylonite and blastomylonite; unassigned; predominantly felsic and locally garnet-bearing	MUSGRAVE PROVINCE
		Giles Event (c	×. 1082–1060 Μα <sup>123</sup> )	MUSGR
	1075-1060 Ma .읰	× × × × × × × × × 2WK-grl × × × × × × ×	Fine- to medium-grained, porphyritic to seriate-textured syenogranite; leucocratic but typically contains mafic xenoliths; locally abundant K-feldspar phenocrysts up to 1 cm; rare rapakivi texture	
	Varakurna Supersuite äles Suite	EWKg2-xog-g	g PWKg2-ogz BWKg2-moag PWKg2-mom	
	Warakurno Giles Suite	PWKg2-xog-g PWKg2-ogz PWKg2-moag PWKg2-mom	Gabbro; ophitic to subophitic texture; variably mixed and mingled with leucogranite; locally foliated and mylonitic (Diagrammatic Section only) Massive, weakly metamorphosed gabbro; well-developed ophitic to subophitic texture with oikocrysts up to 1 cm; locally epidotized and cut by abundant quartz and pegmatite veins Amphibolite after gabbro; garnet bearing Coarse- to medium-grained metagabbronorite; orthopyroxene-clinopyroxene and labradorite (antiperthite, where metamorphosed); locally minor sulfide disseminations	
		- EmofMU	PmogMU	
		EmofMU EmogMU	Massive, fine- to coarse-grained, metamorphosed anorthosite; dark weathering Metagabbro; typically granoblastic with pyroxene aggregates, and garnet coronas on mafic minerals	
		Musgravian O	rogeny (c. 1219–1155 Ma <sup>4</sup> )	
		PJ-mg PJ-mg	Metagranite and gneiss Hornblende-biotite-pyroxene metasyenogranite and lesser pyroxene-biotite-hornblende metamonzogranite; typically with garnet coronas around mafic minerals; seriate to porphyritic; rounded K-feldspar phenocrysts up to 5 cm;	
		PPJ-mgrf PPJ-mgrl	commonly with rapakivi texture Porphyritic metasyenogranite to metamonzogranite; abundant euhedral K-feldspar phenocrysts up to 2 cm; locally relict flow texture Moderately foliated, medium- to coarse-grained leucocratic syenogranite; irregular quartz blebs up to 2 cm in a feldspathic groundmass	
		EPJ-mgsy EPJ-mgmy EPJ-mgnu EPJ-mgny EPJ-jmg-mh	Mylonitic and blastomylonitic, seriate to porphyritic granitic rock Mylonitic medium-grained porphyritic metamonzogranite; K-feldspar phenocrysts to 2 cm Granitic gress; weakly to moderately banded; typically auger-bearing; locally mylonitic Mylonitic granitic gress; typically auger-bearing Weakly to strongly foliated, medium- to coarse-grained, equigranular metamorphosed leucosyenogranite; locally contains rounded garnet up to 2 cm; rafts of metatexitic psammite and pelite	
		PPJ-mwo	/ / PPJ-mwol PPJ-mwol	

MESOPROTEROZOIC	Pitjanijatjara Supersuite	Mirturtu Monzogranite	P2/mmog   Fine-to medium-grained dinopyroxene-gornet mafic granulite, massive to weakly bandsd; locally shows cm- to m-scale miteratogical banding. possibly primary layering: weakly to moderately migmatitic     P2/mmog   Medium-grained, leacocratic dinopyroxene-domate matic granulite (massive to weakly bandsd; locally shows cm- to m-scale miteratogical banding, possibly primary layering; weakly to moderately migmatitic     P2/mmog   Medium-grained, leacocratic dinopyroxene-orthopyroxene matic granulite (framulte date leacopatho)     P2/mmog   Relation-grained     P2/mmog   Umatig Graine     P2/mmog   Pyroxene-biotite-homblerde metamonzogranite to quarte manzaoranite to locally chanocktic typically <5% mafic minerals; seriate to K-feldspor pophyritic with tobular to rounded K-feldspor phenorysts up to 5 cm. locally with rapobit textures     P2/mmog   Umatig Graine   Pyroxene-biotite-homblerde metamonzogranite; K-feldspo
	1336-1293 Ma Naukouki Subersnite N	_	Wount West Orogeny (c. 1336–1293 Ma <sup>5</sup> )     WN-xmfn-mh   WW-xmfn-mr     WN-xmfn-mh   Composite gneiss comprising felsic volcanic and volcaniclastic units interlayered on a cm- to m-scale with psammite, garnetiferous pelite, and rare calc-silicate rocks; typically metatexitic and cut by locally abundant, variably transposed leucogranite veins; locally epidotized along faults     WN-xmfn-mr   Composite gneiss comprising felsic volcanic and volcaniclastic units interlayered on a cm- to m-scale with orthopyroxene-plagioclase(-quartz) acid to intermediate granulite; locally metatexitic and cut by variably transposed leucogranite veins;
	1360-1293 Ma	Wirku Metamorphics	Event     Bit Multimetry     Bit Multimetry </td

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