

# REFERENCE

CAINOZOIC	QUATERNARY	RECENT	Q	Alluvium, colluvium, and miscellaneous soils undifferentiated—quartz sand, clay, loam
		RECENT - PLEISTOCENE	Qs	Dune and beach sands—white calcareous and quartzose sands
			Qc	Limestone and beach ridges of Houtman Abrolhos—coralline limestone, eolianite, and coral shingle
			Qpc	<b>COASTAL LIMESTONE:</b> and overlying podsolised sand—eolianite and leached quartz sands
		PLEISTOCENE AND/OR LATE TERTIARY	Czl	Laterite with overlying quartz sand and underlying highly weathered rock

MESOZOIC	CRETACEOUS	ALBIAN-APTIAN	Kw	<b>WINDALIA RADIOLARITE:</b> white, yellow, and purple radiolarite and chert
		TITHONIAN	Jv	<b>YARRAGADEE FORMATION:</b> variegated sandstone, siltstone, shale, and conglomerate
	JURASSIC	BAJOCIAN	Jm	<b>CHAMPION BAY GROUP:</b> Kojareena Sandstone (ferruginous sandstone); Newmarracarra Limestone (richly fossiliferous limestone); Bringo Shale (dark grey to black shale); and Colalura Sandstone (ferruginous and phosphatic sandstone, rich in fossil wood)
		LIASSIC	Jl	<b>CHAPMAN GROUP:</b> Moonyoonooka Sandstone (yellow feldspathic sandstone and arkose) and Greenough Sandstone (variegated clayey sandstone). Equals <b>COCKLESHELL GULLY FORMATION</b> in subsurface
	TRIASSIC	SCYTHIAN	Tk	<b>KOCKATEA SHALE:</b> yellow and white shale and siltstone with purple ferruginous bands

PALAEOZOIC	PERMIAN	UPPER PERMIAN	Pw	<b>WAGINA SANDSTONE:</b> red and white sandstone, siltstone, conglomerate, and coal seams
		ARTINSKIAN	Py	<b>IRWIN RIVER COAL MEASURES:</b> sandstone, conglomerate, carbonaceous shale, and siltstone, minor coal seams
			Pg	<b>HIGH CLIFF SANDSTONE:</b> white quartz sandstone
			Ph	<b>HOLMWOOD SHALE:</b> grey-green shale and siltstone with thin beds of limestone
			Phb	<b>Beckett Member:</b> interbedded shale and limestone
		Pn	<b>NANGETTY FORMATION:</b> shale, tillite, tillitic sandstone, conglomerate and minor varves	
	? SILURIAN	St	<b>TUMBLAGOODA SANDSTONE:</b> red and yellow feldspathic sandstone and conglomerate	
LOWER PALAEOZOIC OR UPPER PROTEROZOIC		d	Dolerite dykes	

PRECAMBRIAN	MIDDLE PROTEROZOIC	Pg	Porphyritic granite—includes contaminated facies (largely marginal)	
		Pgm	Migmatite—association of Pg, Pm and Pq	
		Pb	Basic granulites—intrusive gabbro metamorphosed during the Middle Proterozoic	
		Pq	Feldspathic quartzite	
		Pm	Granulite—includes cordierite gneisses. Predominantly metasedimentary	
		P	Proterozoic undetermined	
	ARCHAEAN	PRECAMBRIAN UNDETERMINED	PW	<b>WENMILLIA FORMATION:</b> siltstone, shale, phyllite, sandstone, and basic volcanics
			Agp	Granite—porphyritic, sheared in part
			Agm	Granite—medium-grained, sheared
			Agfs	Granite—fine-grained, sheared
			Agc	Migmatite
			Aj	Banded iron formation
			Av	Basic volcanics and sediments, altered