

Reference

		Reference			
CAINOZOIC	QUATERNARY	Qa	Clay, silt, sand; minor residual black soil, detrital laterite: alluvial, lacustrine, eluvial		
		Qe	Gypsum, halite, clay, silt, sand: evaporitic and alluvial		
		Qs	Sand, silt: alluvial and aeolian in depressions		
		Qz	Sand, minor gravel and rubble: aeolian and minor piedmont		
	TERTIARY	Lake Gregory Beds	Ta	Clay, minor chert and sand	
			Czg	Sand, silt, clay; minor gypsum, halite, gravel: alluvial, lacustrine, minor evaporite	
			Czq	Vein quartz rubble	
			Czk	Calcrete, minor chalcedony	
			Czf	Ferricrete	
			Czs	Silcrete	
MESOZOIC	TRIASSIC	M	Sandstone, siltstone, claystone; minor pebble bands		
		R	Sandstone, siltstone		
		Erskine Sandstone	Trs	Micaceous sandstone, silt and clay matrix; minor siltstone; plant fossils: fluvial	
	Blina Shale	Trb	Siltstone, shale; minor fine sandstone; medium-bedded to laminated; fossiliferous: partly marine		
	Millyit Sandstone	Trm	Quartzose sandstone medium to thin-bedded, cross-bedded, graded bedding, siltstone; minor conglomerate; plant fossils: fluvial		
	PALAEOZOIC	PERMIAN	Pedestal Beds	Pzs	Quartzose sandstone, medium to fine, medium-bedded, cross-bedded: probably fluvial
			Lucas Formation	Pzl	Sandstone, siltstone, mudstone, calcareous in part; minor limestone, dolomite, barite: probably fluvial and lacustrine
		LIVINGINGA GROUP	Godfrey Beds	Pf	Siltstone, fine sandstone, basal conglomerate; thin-bedded, bioturbated: shallow marine and intertidal
			Condren Sandstone	Pr	Quartzose sandstone, fine to medium, thin-bedded, cross-bedded; siltstone; minor claystone, conglomerate; plant fossils: fluvial
			Lightjack Formation	Pj	Siltstone, shale, thin-bedded fine sandstone, concretionary near base; ferruginous clay pellet conglomerate; fossiliferous: shallow marine
Noonkanbah Formation			Pn	Siltstone, shale, calcareous in part; minor bioclastic limestone; fossiliferous: marine	
Poole Sandstone			Pp	Fine quartzose sandstone, thin-bedded; siltstone, carbonaceous in part; plant fossils: probably fluvial and marine	
Grant Formation			Pg	Quartzose sandstone, medium to coarse, thin to thick-bedded, cross-bedded; minor siltstone, conglomerate; fossil wood: fluvial	
UPPER CARBONIFEROUS? TO LOWER PERMIAN		CARBONIFEROUS	C	Undivided sedimentary rocks	
			Du	Undivided sedimentary rocks	
	Duk		Quartzose sandstone, medium-grained, medium to thick-bedded, cross-bedded; minor conglomerate; plant fossils: fluvial		
UPPER DEVONIAN	Knobby Sandstone	SD	Undivided sedimentary rocks		
		D	Undivided sedimentary rocks		
PROTEROZOIC	ADELAIDEAN	Erica Sandstone	Pre	Sublithic arenite, fine to medium-grained, cross-bedded, ripple marks; minor quartz arenite, siltstone, shale, glauconitic sandstone, conglomerate	
		Murraba Formation	Prb	Chert granule and pebble conglomerate, sublithic arenite, quartz arenite, siltstone, shale, mudstone; minor limestone, dolomite; thin to very thin-bedded	
		Lewis Range Sandstone	Erl	Quartz arenite; minor sublithic arenite, conglomerate, siltstone; medium to thin-bedded, cross-bedded, ripple marks	
		Muriel Range Sandstone	Prm	Sublithic arenite, quartz arenite, minor siltstone, shale, conglomerate very thin to medium-bedded, cross-bedded	
		Munyu Sandstone	Pru	Sublithic arenite, medium-bedded, cross-bedded	
	CARPENTARIAN	BIRRINDUDU GROUP	Gardiner Sandstone	Eg	Glauconitic sandstone
			Lewis Granite	Eg	Muscovite adamellite, biotite adamellite and granodiorite, porphyritic in part; aplite, pegmatite
		LOWER PROTEROZOIC	Egl	Muscovite and biotite adamellite, pegmatite, aplite	
			Egk	Non-porphyritic adamellite	
			Eglc	Porphyritic adamellite	
ARCHAEAN ?	Tanami complex Killi Killi Beds	Atk	Schistose to phyllitic greywacke, siltstone, shale; minor lithic arenite, quartzite, banded chert, basalt, dolerite		

rock relationship diagram only

section only

section only

MIDDLE PROTEROZOIC*

LOWER PROTEROZOIC

*Subdivisions of the Precambrian time-scale used by the Geological Survey of Western Australia shown in grey