

Reference

Geological Period	Sub-Period	Formation/Unit	Symbol	Description	Notes	
QUATERNARY	PLEISTOCENE TO HOLOCENE		Ql	Lake deposits; clay, silt and sand; saline and gypsiferous		
			Qg	Aeolian deposits; lake-derived sand and gypsum in dunes and sheets		
			Qd	Colluvium; clay, silt and sand; in saline drainages and marginal to salt lakes		
			Qs	Aeolian sand; red and yellow quartz sand; in seif dunes and sand plains		
			Qm	Silt and sand composed of quartz and feldspar grains marginal to granite outcrops		
			Qv	Alluvium and colluvium; poorly sorted clay to pebble deposits; contains present day drainage		
	? PLIOCENE TO PLEISTOCENE			TOr	Residual clay and kankar-residual clay containing sheet and nodular kankar, overlies Nullarbor Limestone	
				TOc	Recrystallized limestone - Nullarbor Limestone recrystallized to microcrystalline limestone	
				Czc	Colluvium and minor alluvium; poorly sorted clay, silt, sand and rock fragments	
				Czk	Sand, silt, clay containing sheet and nodular kankar	
? MIOCENE TO HOLOCENE			Czb	Silcrete; sub-vitreous siliceous rock with angular quartz grains, commonly ferruginized; includes silicified Paterson Formation		
			Czo	Symbol placed above rock symbol to indicate deeply weathered Precambrian rocks; kaolinized, in part ferruginized and silicified		
	MIDDLE MIOCENE	Nullarbor Limestone	Tmn	Foraminiferal calcarenite, subsurface only		
	UPPER EOCENE		Princess Royal Spongolite	Ter	Sandstone, siltstone, claystone, spongolite	
		Wilson Bluff Limestone	Tew	Chalky bryozoan limestone, minor clay, silt and fine-grained sand		
		Hampton Sandstone	Tah	Coarse-grained sandstone; calcareous and glauconitic		
MESOZOIC	LOWER CRETACEOUS	Madura Formation	KIm	Sandstone, siltstone, claystone; glauconitic and carbonaceous	subsurface only	
		Loongana Sandstone	KII	Conglomeratic sandstone		
PALAEOZOIC	PERMIAN	Paterson Formation	Pa	Undivided; includes one or more of the following facies: Paf - coarse-grained poorly sorted sandstone, conglomerate, minor siltstone (fluvialite) Pal - claystone, siltstone, fine-grained sandstone; some erratics; rare varves (lacustrine and glacio-lacustrine) Pag - diamictite (probably tillite); minor sandstone, siltstone, conglomerate (glacial)		
			Ed	Mafic dyke		
PROTEROZOIC	FRASER COMPLEX		Exf	Quartz-feldspar-garnet granofels	Felsic granulite	
			Exm		Mafic granulite	
			Ec		Carbonatite, alkaline gabbro, or ultramafic plug	
			Eb	Quartz-feldspar gneiss and granofels; minor metamorphosed dolerite	Granite, gneiss and migmatite	
			Eg	Granitic gneiss; strongly foliated adamellite to granodiorite; garnetiferous		
	Em	Banded quartz-feldspar-biotite-garnet gneiss and migmatite				
	Eg	Quartzite, metamorphosed orthoquartzite with minor kyanite				
ARCHAEAN OR PROTEROZOIC			pEg	Unassigned granitic and migmatitic rocks of uncertain age		
			Ag	Unassigned granitic rock	Granite to adamellite	
			Agf	Leucocratic granite		
			Age	Granite to adamellite; fine to medium-grained		
			Agb	Granite to adamellite; medium to coarse-grained		
			Agg	Strongly foliated granitic rocks, granodiorite to tonalite		
			Agm	Migmatite and mixed granitic rocks; nebulitic in part		
			Aw	Banded quartz-magnetite rock, ferruginous chert, minor quartz-grunerite rock		
			As	Quartz-muscovite schist and phyllite; metasedimentary rocks		
			Ap	Quartz-feldspar porphyry, metamorphosed		
	Ah	Amphibolite; metabasalt	Mafic and ultramafic rocks			
	Au	Ultramafic rock; deeply weathered and silicified				

Rock relationship diagrams and section only

