

AGE	STRATIGRAPHY		HYDROSTRATIGRAPHY	
	Unit	Lithology and Occurrence	Unit	Description
QUATERNARY:	Holocene	Bridgewater Formation: Aeolianitic calcarenite, partially calcretised ancient dunal system. Laterally continuous and occurs between Ceduna and head of Bight.	Qh	Not significant as an aquifer but small supplies may be obtained adjacent as unconfined 'soaks' within the sandhills.
	Pleistocene		Qpcb	May contain minor quantities of groundwater, unconfined to semi-confined aquifers, often containing small fresh lenses that provide small stock/domestic supplies.
TERTIARY:	Eucla Basin		Tun Tuw Unconfined and semi-confined aquifer, typical depth to groundwater is 50 to 80 m. Salinity ranges between 9,500 to >14,000 mg/L. Tbh Tbp Tertiary sediments confining bed, contains minor confined sand aquifers	
Early–Middle Miocene	Nullarbor Limestone: Dense crystalline limestone with abundant mollusca and foraminifera, frequently cavernous. Occurs throughout basin up to Oodlea Range. Up to 52 m thick	Tun		
Middle-Late Eocene	Wilson Bluff Limestone: Bryozoal, chalky limestone, glauconitic at base. Occurs across the Basin (Nullarbor Plain). Up to 130 m thick.	Tuw		
	Hampton Sandstone: Paralic sandstone and conglomerates, limonitic and glauconitic. Occurs widespread around inner margin of basin. Up to 25 m thick.	Tbh		
	Pidinga Formation: Sands, silts and clays; carbonaceous and pyritic. Occurs in palaeochannels and the Bunda Plateau that underlies the Nullarbor Plain. Up to 26 m thick.	Tbp		
MESOZOIC:	Bight Basin:		K-I Sandstone is a confined aquifer, under moderate pressure with groundwater rising to 62 m at Guinewarra Well (4835-4). Salinity generally exceeds 14,000 mg/L.	
Early Cretaceous	Loongana Formation Coarse sandstone at base, overlain by thick sequence of shale. Up to 190 m thick.	K-I		
PALAEOZOIC (Late):	Denman Basin		P Not known as an aquifer. Confining bed.	
Early Permian	Claystone with foraminifera and abundant microflora. Up to 102 m thick.	P		
NEOPROTEROZOIC	Laminated Slates; granite and feldspar porphyry. Forms basement for the basins.		N	Not known as an aquifer. Basement.