



Water Sources - The Dilwyn Aquifer

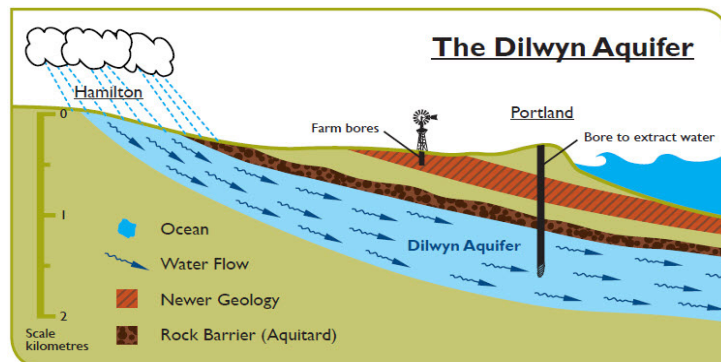
An aquifer is an underground water-bearing geological formation from which useable volumes of water can be pumped.

The Dilwyn Aquifer is located under much of south west Victoria and south east South Australia. Its depth varies from one kilometre in the Portland area to outcrops in the Gellibrand River Valley, the Merino-Casterton-Coleraine area and the valley of the Crawford River. The Dilwyn Aquifer is a strongly confined quartz sand aquifer.

The Dilwyn Aquifer slopes towards the coastline where it can be up to 1,500 metres deep. In some places there is enough natural water pressure for it to be artesian (where pressure causes the ground water to rise naturally, sometimes to the ground surface).

The Dilwyn Aquifer supplies Dartmoor, Heywood, Timboon, Portland, Port Fairy and Port Campbell. It is isolated from shallow aquifers by layers that prevent water moving from one aquifer to another.

Because of the water's depth, the temperature in the aquifer can be up to 60 degrees Celsius when extracted.



A bore used to source water from deep within the Dilwyn Aquifer

AT A GLANCE The Dilwyn Aquifer

Total Customers:	10,066
Volume of Water Supplied:	2,481.3ML

IML = One Million Litres

