

Billabong Creek Alluvial Groundwater Source

Bores

There are approximately 310 registered bores across the Billabong Creek Alluvial Groundwater Source (**Figure 4**). The majority of these bores are used for stock and domestic purposes (Basic Landholder Rights). Groundwater is also used for irrigation (**Table 5**).

Production bores in the Billabong Creek Alluvial Groundwater Source are located from the eastern end of the water source to Walbundarie. Bores constructed in more productive aquifers can yield up to 1,650 ML/year, while most bores produce supply of up to 100 ML/year (**Figure 5**).

Table 5: Number of licensed water supply bores in the Billabong Creek Alluvial Groundwater Source (at June 2020).

Water Source	Registered Bore Purpose			
	Basic Landholder Rights	Production	Local Water Utility	Salinity and Water Table Management
Billabong Creek Alluvial Groundwater Source	264	30	13	1

Water level monitoring

WaterNSW monitors groundwater levels at 32 monitoring bores at 22 sites in the Billabong Creek Alluvial Groundwater Sources (**Figure 6**). At most monitoring sites there are two or more pipes monitoring different depths. The depth monitored by each pipe reflects the depth where the casing is slotted to allow groundwater entry into the pipe.

A hydrograph is a plot of groundwater level or pressure from a monitoring bore over time. A representative sample of hydrographs from monitoring bores have been selected and are presented in **Figures 7 to 11**.

Data for the monitored bores as well as private bore information can be obtained from the WaterNSW real time data portal (realtimedata.watarnsw.com.au/). You can also request information via: Customer.Helpdesk@watarnsw.com.au.

The manually monitored sites are read every 3 months. There are no monitoring sites with telemetry. However, there are 14 bores (8 sites) fitted with standalone data loggers that are manually downloaded every 3 months. The sites with data loggers are part of the Billabong Creek salt interception scheme monitoring.

