



## Chichester Raw Water Quality Data - December 2018

Chichester Raw Water is not suitable for drinking.  
Chichester Raw Water is treated at Dungog Water Treatment Plant (WTP) before supplying treated drinking water to customers.

### Turbidity, E. coli and Chlorine Results for Chichester Raw Water at Dusodie#

Analyte	Unit	ADWG guideline value*	Sample Date (week beginning)				
			3/12/2018	10/12/2018	17/12/2018	24/12/2018	31/12/2018
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1	<1
Turbidity	NTU	5	2.21	1.84	1.49	2.37	2.2
Chlorine	mg/L	5	0.55	0.55	1.03	1.01	0.8

# Samples are collected from Chichester Trunk Gravitation Main (CTGM) at Dusodie prior to treatment by Dungog WTP.

\*Australian Drinking Water Guidelines 2011 (ADWG) guideline values are applicable to drinking water samples

### Potentially Toxic Blue Green Algae Results for Chichester Raw Water at Screens^

Potentially Toxic Blue Green Algae	Unit	ADWG Alert Levels	Sample Date (week beginning)				
			4/12/2018	11/12/2018	14/12/2018	20/12/2018	31/12/2018
Dolichospermum	cells/mL	20,000	475	1110	1110	1290	3570
Microcystis	cells/mL	6,500	10	0	0	0	40

^ Samples are collected from Chichester Screens prior to treatment by Dungog WTP.

### Protozoa Results for Chichester Raw Water at Dungog WTP\*\*

Protozoa	Unit	Sample Date (week beginning)	
		4/12/2018	
Cryptosporidium	Oocysts/1L	<1	
Giardia	Cysts/1L	<1	

\*\* Samples are collected from CTGM at Dungog WTP prior to treatment by Dungog WTP. Robust treatment processes are in place at Dungog WTP for removal of cryptosporidium and giardia.