



## Chichester Raw Water Quality Data - October 2017

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)				
			2/10/2017	9/10/2017	16/10/2017	23/10/2017	30/10/2017
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1	<1
Turbidity	NTU	5	2.7	2.7	2.4	2.9	3.1
Chlorine	mg/L	5	0.26	0.64	0.61	0.72	0.47

# 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)				
			4/10/2017	10/10/2017	17/10/2017	24/10/2017	31/10/2017
Dolichospermum	cells/mL	20,000	0	35	0	30	100
Microcystis	cells/mL	6,500	0	0	0	0	0

^ 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)	
		2/10/2017	27/10/2017
Cryptosporidium	Oocysts/10L	<1	<1
Giardia	Cysts/10L	<1	<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.

### Protozoa Results for Chichester Dam Screens \*\*\*

Protozoa	Unit	Sample Date (week beginning)
		23/10/2017
Cryptosporidium	Oocysts/10L	>1
Giardia	Cysts/10L	1

\*\*\*Samples were collected from Chichester Dam Screens at the outlet of the dam and prior to chlorination.