



## Chichester Raw Water Quality Data - August 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)			
			7/08/2017	14/08/2017	21/08/2017	28/08/2017
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1
Turbidity	NTU	5	1.9	1.9	2.4	2.3
Chlorine	mg/L	5	0.86	0.78	0.77	0.79

# 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)			
			1/08/2017	8/08/2017	15/08/2017	22/08/2017
Dolichospermum	cells/mL	20,000	70	0	0	0
Microcystis	cells/mL	6,500	4	20	10	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)
		1/05/2017
Cryptosporidium	Oocysts/10L	<1
Giardia	Cysts/10L	<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.