



## Chichester Raw Water Quality Data - December 2020

### 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)			
			7/12/2020	14/12/2020	21/12/2020	28/12/2020
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1
Turbidity	NTU	5	3.21	3.66	3.18	3.11
Chlorine	mg/L	5	0.94	0.94	1.41	1.52

# 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 Dam Offtake Screens^

Potentially Toxic Blue Green Algae	Unit	ADWG Alert Levels	Sample Date (week beginning)				
			1/12/2020	7/12/2020	15/12/2020	22/12/2020	29/12/2020
Dolichospermum	cells/mL	20,000	0	0	0	0	0
Microcystis	cells/mL	6,500	20	100	0	260	0

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

#### Protozoa Results for Chichester Raw Water at Dam Offtake Screens\*\*

Protozoa	Unit	Sample Date (week beginning)	
		4/12/2020	
Cryptosporidium	Oocysts/10L	<1	
Giardia	Cysts/10L	<1	

\*\* Samples are collected from Chichester Screens prior to treatment by Dungog WTP