



## Chichester Raw Water Quality Data - November 2022

### 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 and Chlorine Results for Chichester Raw Water at Dusodie#

Analyte	Unit	ADWG guideline value*	Sample Date			
			7/11/2022	14/11/2022	21/11/2022	28/11/2022
Turbidity	NTU	5	7.07	5.15	3.85	3.15
Chlorine**	mg/L	5	0	0	0	0

#### E. coli Results for Chichester Raw Water at Dam Offtake Screens^

Analyte	Unit	ADWG guideline value*	Sample Date					
			1/11/2022	2/11/2022	7/11/2022	14/11/2022	21/11/2022	28/11/2022
E. coli	MPN/100mL	should not be detected in 100mL	1	5	4	2	2	< 1

#### 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			
			7/11/2022	14/11/2022	21/11/2022	28/11/2022
Dolichospermum	cells/mL	20,000	0	0	0	0
Microcystis	cells/mL	6,500	0	0	0	0

#### Protozoa Results for Chichester Raw Water at Dam Offtake Screens^

Protozoa	Unit	Sample Date		
		1/11/2022	2/11/2022	7/11/2022
Cryptosporidium	Oocysts/L	< 0.1	< 0.1	< 0.1
Giardia	Cysts/L	< 0.1	< 0.1	< 0.1

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

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

\*\* The Chlorinator is only operated periodically to assist in removal of dissolved Manganese.

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