



## Chichester Raw Water Quality Data - October 2023

### 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				
			3/10/2023	9/10/2023	16/10/2023	26/10/2023	30/10/2023
Turbidity	NTU	5	3.15	3.54	3.1	3.88	5.86
Chlorine**	mg/L	5	0	0	0.4	0	0

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

Analyte	Unit	ADWG guideline value*	Sample Date					
			3/10/2023	9/10/2023	16/10/2023	23/10/2023	27/10/2023	30/10/2023
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	2	2	9	^^20

#### 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					
			3/10/2023	9/10/2023	16/10/2023	23/10/2023	27/10/2023	30/10/2023
Dolichospermum	cells/mL	20,000	<5	<5	<5	<5	0	<5
Microcystis	cells/mL	6,500	<5	<5	<5	<5	0	<5

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

Protozoa	Unit	Sample Date					
		3/10/2023	9/10/2023	16/10/2023	23/10/2023	27/10/2023	30/10/2023
Cryptosporidium	Oocysts/L	0	<0.1	0	0	<0.1	^^<0.1
Giardia	Cysts/L	0	<0.1	0	0	<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.

^^ Samples are averaged from multiple