



## Chichester Raw Water Quality Data - August 2024

### 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			
			5/08/2024	12/08/2024	19/08/2024	26/08/2024
Turbidity	NTU	5	6.82	6.93	5.36	4.36
Chlorine**	mg/L	5	0.02	0.06	0.05	0.06

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

Analyte	Unit	ADWG guideline value*	Sample Date			
			6/08/2024	12/08/2024	20/08/2024	26/08/2024
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<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			
			6/07/2024	12/07/2024	20/07/2024	26/07/2024
Dolichospermum	cells/mL	20,000	<5	<5	<5	<5
Microcystis	cells/mL	6,500	<5	<5	10	<5

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

Protozoa	Unit	Sample Date
		12/08/2024
Cryptosporidium	Oocysts/L	<0.1
Giardia	Cysts/L	<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