



Chichester Raw Water Quality Data - December 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			
			4/12/2023	11/12/2023	18/12/2023	27/12/2023
Turbidity	NTU	5	4.79	4.07	3.43	6.12
Chlorine**	mg/L	5	0.07	0.05	0.04	0.04

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

Analyte	Unit	ADWG guideline value*	Sample Date					
			4/12/2023	11/12/2023	18/11/2023	20/12/2023	21/12/2023	27/12/2023
E. coli	MPN/100mL	should not be detected in 100mL	4	3	2	22	1100	25

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			
			4/12/2023	11/12/2023	18/12/2023	27/12/2023
Dolichospermum	cells/mL	20,000	<5	<5	<5	<5
Microcystis	cells/mL	6,500	<5	<5	<5	<5

Protozoa Results for Chichester Raw Water at Dam Offtake Screens^

Protozoa	Unit	Sample Date		
		4/12/2023	20/12/2023	21/12/2023
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.

^^ Samples are averaged from multiple