



Chichester Raw Water Quality Data - October 2022

Chichester Raw Water is not suitable for drinking.

Chichester Raw Water is treated at Dungog Water Treatment Plant

Turbidity and Chlorine Results for Chichester Raw Water at Dusodie#

Analyte	Unit	ADWG guideline value*	Sample Date				
			3/10/2022	10/10/2022	17/10/2022	24/10/2022	31/10/2022
Turbidity	NTU	5	11.6	9.7	13.9	12.0	9.7
Chlorine**	mg/L	5	0	0	0	0	0

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

Analyte	Unit	ADWG guideline value*	Sample Date				
			4/10/2022	10/10/2022	17/10/2022	24/10/2022	31/10/2022
E. coli	MPN/100mL	should not be detected in 100mL	40	12	29	32	4

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				
			4/10/2022	10/10/2022	17/10/2022	24/10/2022	31/10/2022
Dolichospermum	cells/mL	20,000	0	0	0	0	0
Microcystis	cells/mL	6,500	0	0	0	0	0

Protozoa Results for Chichester Raw Water at Dam Offtake Screens^

Protozoa	Unit	Sample Date	
		4/10/2022	10/10/2022
Cryptosporidium	Oocysts/L	< 0.1	<0.1
Giardia	Cysts/L	< 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.