



Chichester Raw Water Quality Data - May 2020

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, E. coli and Chlorine Results for Chichester Raw Water at Dusodie#

Analyte	Unit	ADWG guideline value*	Sample Date (week beginning)				
			4/05/2020	11/05/2020	18/05/2020	25/05/2020	
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1	
Turbidity	NTU	5	2.55	2.65	2.36	2.05	
Chlorine	mg/L	5	0.36	1.03	0.58	0.45	

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

*Australian Drinking Water Guidelines 201

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 (week beginning)				
			4/05/2020	11/05/2020	18/05/2020	27/05/2020	29/05/2020
Dolichospermum	cells/mL	20,000	0	0	40	0	0
Microcystis	cells/mL	6,500	8580	9530	10200	13200	13800

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

Protozoa Results for Chichester Raw Water at Dam Offtake Screens**

Protozoa	Unit	Sample Date (week beginning)	
		4/05/2020	
Cryptosporidium	Oocysts/10L	<1	
Giardia	Cysts/10L	<1	

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