



Chichester Raw Water Quality Data - December 2019

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)				
			2/12/2020	9/12/2020	16/12/2020	23/12/2020	30/12/2020
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1	<1
Turbidity	NTU	5	3.4	3.56	3.25	3.24	3.5
Chlorine	mg/L	5	0.86	0.73	0.72	1.13	1.0

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

*Australian Drinking Water Guidelines 2011 (ADWG) guideline values are applicable to drinking water samples

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)				
			3/12/2020	9/12/2020	19/12/2020	23/12/2020	30/12/2020
Dolichospermum	cells/mL	20,000	0	250	0	0	0
Microcystis	cells/mL	6,500	20	400	0	60	200

^ 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)	
		2/12/2020	
Cryptosporidium	Oocysts/10L	<2	
Giardia	Cysts/10L	<2	

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