

Drinking Water Quality Summary - October 2022

Shoalhaven Water provides safe and reliable drinking water to approximately 100,000 people in the Shoalhaven on a daily basis. The drinking water we supply is routinely tested throughout our water supply systems with analysis undertaken at independent NATA certified laboratories as per the 2011 Australian Drinking Water Guidelines (ADWG). This detailed water quality monitoring forms part of Shoalhaven Water's framework for the management of drinking water quality. Results are based on samples representative of water supplied to customers' taps. Results for microbiological and key physical/chemical parameters are summarised in the following:

Analyte	ADWG Guideline Health	ADWG Guideline Aesthetic	<	>	Units	Whole of Shoalhaven		Northern Shoalhaven Supply System (Bamarang)		Kangaroo Valley Supply System		Southern Shoalhaven Supply System		Flat Rock Supply System	
						Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance
<i>E. coli</i>	0	c		>0	MPN/100mL	0	100%	0	100%	0	100%	0	100%	0	100%
Aluminium	c	0.2		>0.2	mg/L	0.0567	100%	0.0800	100%	-	-	0.0500	100%	0.0400	100%
Arsenic	c	0.01		>0.01	mg/L	0.0005	100%	0.0005	100%	-	-	0.0005	100%	0.0005	100%
Cadmium	0.002	c		>0.002	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Calcium	10000	c		>10000	mg/L	21.3000	100%	22.2000	100%	-	-	20.9000	100%	20.8000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.8200	98.3%	0.7906	100%	1.0075	100.0%	0.7508	92%	0.9625	100%
Copper	2	1		>2	mg/L	0.0097	100%	0.0108	100%	-	-	0.0013	100%	0.0115	100%
Fluoride	1.5	c		>1.5	mg/L	1.0300	100%	0.9067	100%	1.0300	100%	0.8150	100%	1.0200	100%
Hardness	c	200		>200	mg/L	69.5000	100%	72.7000	100%	-	-	66.9000	100%	68.9000	100%
Iron	c	0.3		>0.3	mg/L	0.0263	100%	0.0267	100%	-	-	0.0225	100%	0.0275	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0004	100%	-	-	0.0001	100%	0.0002	100%
Magnesium	10000	c		>10000	mg/L	2.9703	100%	2.0955	100%	-	-	3.5800	100%	4.1100	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0038	100%	0.0036	100%	-	-	0.0033	100%	0.0052	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	-	-	0.0004	100%	0.0004	100%
Nickel	0.02	c		>0.02	mg/L	0.0003	100%	0.0004	100%	-	-	0.0002	100%	0.0004	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1856	100%	0.1125	100%	-	-	0.2900	100%	0.5200	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0134	100%	0.0088	100%	-	-	0.0275	100%	0.0275	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.5458	100%	7.5714	100%	7.4725	100%	7.5500	100%	7.4613	100%
Selenium	0.01	c		>0.01	mg/L	0.0035	100%	0.0035	100%	-	-	0.0035	100%	0.0035	100%
Silver	0.1	c		>0.1	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Sodium	c	180		>180	mg/L	11.6667	100%	12.0000	100%	-	-	11.0000	100%	12.0000	100%
Sulfate	500	250		>500	mg/L	25.0000	100%	26.0000	100%	-	-	23.0000	100%	26.0000	100%
TDS ²	c	600		>600	mg/L	123.5000	100%	125.7500	100%	-	-	120.0000	100%	113.5000	100%
True Colour	c	15		>15	HU	1.6667	100%	1.0000	100%	-	-	2.0000	100%	2.0000	100%
Turbidity	c	5		>5	NTU	0.2732	100%	0.2353	100.00%	0.2150	100%	0.2683	100%	0.4800	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Zinc	c	3		>3	mg/L	0.0133	100%	0.0100	100%	-	-	0.0100	100%	0.0200	100%

¹ Note that the Australian Drinking Water Guidelines (ADWG) specifies water quality standards that are considered safe for people to drink over an entire lifetime. Therefore compliance is based on a statistical measure of results rather than absolute figures.

² TDS = Total Dissolved Solids

³ Corrective action taken for E.coli exception and the repeat test result was compliant (all clear). Contact Shoalhaven Water for further information.

- Denotes that this analyte was not tested this month due to either the treatment plant being offline or the required frequency resulted in no sample required for this month.

c Health or Aesthetic limits have not been set by the ADWG.

+ Inadvertent omission

Australian Drinking Water Guidelines 2011:

<http://www.nhmrc.gov.au/guidelines/publications/eh52>