

Drinking Water Quality Summary - August 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	0.0900	100%	0.0900	100%	-	-	0.0900	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	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%	-	-
Calcium	10000	c		>10000	mg/L	20.5000	100%	19.2000	100%	-	-	21.8000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7432	96.2%	0.6558	94%	1.3767	100%	0.8050	100%	0.7100	100%
Copper	2	1		>2	mg/L	0.0069	100%	0.0088	100%	0.0010	100%	0.0008	100%	0.0005	100%
Fluoride	1.5	c		>1.5	mg/L	0.9300	100%	0.9885	100%	0.9300	100%	0.9900	100%	1.0200	100%
Hardness	c	200		>200	mg/L	63.4500	100%	61.8000	100%	-	-	65.1000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0271	100%	0.0281	100%	0.0250	100%	0.0225	100%	0.0250	100%
Lead	0.01	c		>0.01	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Magnesium	10000	c		>10000	mg/L	2.9850	100%	3.3700	100%	-	-	2.6000	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0029	100%	0.0030	100%	0.0005	100%	0.0024	100%	0.0060	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	-	-	0.0004	100%	-	-
Nickel	0.02	c		>0.02	mg/L	0.0004	100%	0.0005	100%	-	-	0.0002	100%	-	-
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1524	100%	0.1200	100%	0.3400	100%	0.2800	100%	0.1300	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0103	100%	0.0085	100%	0.0050	100%	0.0275	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.3838	100%	7.3920	100%	7.3483	100%	7.4107	100%	7.3200	100%
Selenium	0.01	c		>0.01	mg/L	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%	-	-
Sodium	c	180		>180	mg/L	9.5000	100%	10.0000	100%	-	-	9.0000	100%	-	-
Sulfate	500	250		>500	mg/L	20.0000	100%	23.0000	100%	-	-	17.0000	100%	-	-
TDS ²	c	600		>600	mg/L	111.5294	100%	115.5385	100%	61.0000	100%	108.5000	100%	116.0000	100%
True Colour	c	15		>15	HU	2.0000	100%	2.0000	100%	-	-	2.0000	100%	-	-
Turbidity	c	5		>5	NTU	0.4953	100%	0.4762	100%	0.3600	100%	0.5514	100%	0.6044	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Zinc	c	3		>3	mg/L	0.0100	100%	0.0100	100%	-	-	0.0100	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>