

Drinking Water Quality Summary - November 2023

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	0.0600	100%	0.0500	100%	-	-	0.1000	100%	0.0300	100%
Arsenic	c	0.01		>0.01	mg/L	0.0008	100%	0.0010	100%	-	-	0.0005	100%	0.0010	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	14.7667	100%	12.8000	100%	-	-	18.8000	100%	12.7000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6905	96.6%	0.6556	98%	0.7275	100.0%	0.8013	94%	0.7200	86%
Copper	2	1		>2	mg/L	0.0089	100%	0.0060	100%	-	-	0.0032	100%	0.0275	100%
Fluoride	1.5	c		>1.5	mg/L	0.9900	100%	0.9543	100%	0.9900	100%	1.0533	100%	0.9900	100%
Hardness	c	200		>200	mg/L	57.8333	100%	57.8000	100%	-	-	59.3000	100%	56.4000	100%
Iron	c	0.3		>0.3	mg/L	0.0246	100%	0.0257	100%	-	-	0.0267	100%	0.0175	100%
Lead	0.01	c		>0.01	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Magnesium	10000	c		>10000	mg/L	5.0867	100%	6.2800	100%	-	-	2.9900	100%	5.9900	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0026	100%	0.0023	100%	-	-	0.0012	100%	0.0056	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%	0.0002	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1392	100%	0.0829	100%	-	-	0.1833	100%	0.2700	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0163	100%	0.0114	100%	-	-	0.0200	100%	0.0275	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.6516	100%	7.6600	100%	7.4200	100%	7.6650	100%	7.6800	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	13.3333	100%	14.0000	100%	-	-	12.0000	100%	14.0000	100%
Sulfate	500	250		>500	mg/L	18.0000	100%	22.0000	100%	-	-	11.0000	100%	21.0000	100%
TDS ²	c	600		>600	mg/L	96.6667	100%	100.2857	100%	-	-	95.3333	100%	86.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.2506	100%	0.2441	100.00%	0.3825	100%	0.2094	100%	0.3257	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	0.0100	100%	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>