

Drinking Water Quality Summary - November 2024

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	0.1000	100%	0.1400	100%	-	-	0.1000	100%	0.0600	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	19.400	100%	21.100	100%	-	-	15.800	100%	21.300	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7175	100%	0.6660	100%	0.6640	100.0%	0.8054	100%	0.9386	100%
Copper	2	1		>2	mg/L	0.0121	100%	0.0045	100%	-	-	0.0012	100%	0.0294	100%
Fluoride	1.5	c		>1.5	mg/L	0.9000	100%	0.8800	100%	0.9000	100%	0.8767	100%	0.8780	100%
Hardness	c	200		>200	mg/L	60.467	100%	69.000	100%	-	-	42.700	100%	69.700	100%
Iron	c	0.3		>0.3	mg/L	0.0553	100%	0.0464	100%	-	-	0.0233	100%	0.0870	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0002	100%	-	-	0.0001	100%	0.0004	100%
Magnesium	10000	c		>10000	mg/L	2.9167	100%	3.9500	100%	-	-	0.7800	100%	4.0200	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0098	100%	0.0045	100%	-	-	0.0051	100%	0.0202	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	0.0004	100%	0.0005	100%	-	-	0.0002	100%	0.0005	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1157	100%	0.0807	100%	-	-	0.1767	100%	0.1280	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0140	100%	0.0114	100%	-	-	0.0200	100%	0.0140	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8696	100%	7.9109	100%	7.7800	100%	7.7477	100%	7.8829	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	10.667	100%	11.000	100%	-	-	10.000	100%	11.000	100%
Sulfate	500	250		>500	mg/L	14.333	100%	21.000	100%	-	-	1.0000	100%	21.000	100%
TDS ²	c	600		>600	mg/L	118.40	100%	124.14	100%	-	-	98.333	100%	122.40	100%
True Colour	c	15		>15	HU	0.8333	100%	1.0000	100%	-	-	0.5000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.5050	100%	0.4513	100%	0.5060	100%	0.5108	100%	0.8543	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