

Drinking Water Quality Summary - December 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	0.0650	100%	0.0700	100%	-	-	0.0600	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	0.0008	100%	0.0010	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	20.350	100%	22.500	100%	-	-	18.200	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6802	100%	0.6518	100%	0.4800	100.0%	0.8142	100%	0.7740	100%
Copper	2	1		>2	mg/L	0.0174	100%	0.0271	100%	0.0040	100%	0.0080	100%	0.0005	100%
Fluoride	1.5	c		>1.5	mg/L	0.8700	100%	0.9829	100%	0.8700	100%	0.9850	100%	0.9400	100%
Hardness	c	200		>200	mg/L	63.650	100%	76.700	100%	-	-	50.600	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0369	100%	0.0421	100%	0.0250	100%	0.0338	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	3.1250	100%	4.9900	100%	-	-	1.2600	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0076	100%	0.0097	100%	0.0005	100%	0.0068	100%	0.0030	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	0.0003	100%	0.0004	100%	-	-	0.0002	100%	-	-
Nitrate (as NO ₃)	50	c		>50	mg/L	0.0988	100%	0.0764	100%	0.2000	100%	0.1363	100%	0.0050	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0119	100%	0.0114	100%	0.0050	100%	0.0163	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.9629	100%	8.0007	100%	7.6725	100%	7.8550	100%	8.1140	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	12.500	100%	13.000	100%	-	-	12.000	100%	-	-
Sulfate	500	250		>500	mg/L	12.500	100%	21.000	100%	-	-	4.0000	100%	-	-
TDS ²	c	600		>600	mg/L	107.15	100%	124.00	100%	66.000	100%	80.250	100%	138.00	100%
True Colour	c	15		>15	HU	1.2500	100%	2.0000	100%	-	-	0.5000	100%	-	-
Turbidity	c	5		>5	NTU	0.5297	100%	0.5342	100%	0.2625	100%	0.5567	100%	0.6380	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Zinc	c	3		>3	mg/L	0.0350	100%	0.0100	100%	-	-	0.0600	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>