

Drinking Water Quality Summary - May 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	0.0600	100%	-	-	-	-	0.0600	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	0.0005	100%	-	-	-	-	0.0005	100%	-	-
Cadmium	0.002	c		>0.002	mg/L	0.0001	100%	-	-	-	-	0.0001	100%	-	-
Calcium	10000	c		>10000	mg/L	24.3000	100%	-	-	-	-	24.3000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.5386	94.8%	0.5096	94%	0.4075	75.0%	0.5167	100%	0.7418	100%
Copper	2	1		>2	mg/L	0.0088	100%	0.0044	100%	0.0660	100%	0.0070	100%	0.0058	100%
Fluoride	1.5	c		>1.5	mg/L	0.8500	100%	0.9433	100%	0.8500	100%	0.9300	100%	0.9500	100%
Hardness	c	200		>200	mg/L	64.6000	100%	-	-	-	-	64.6000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0318	100%	0.0322	100%	0.0900	100%	0.0200	100%	0.0250	100%
Lead	0.01	c		>0.01	mg/L	0.0001	100%	-	-	-	-	0.0001	100%	-	-
Magnesium	10000	c		>10000	mg/L	0.9600	100%	-	-	-	-	0.9600	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0135	100%	0.0169	100%	0.0040	100%	0.0067	100%	0.0133	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	-	-	-	-	0.0004	100%	-	-
Nickel	0.02	c		>0.02	mg/L	0.0002	100%	-	-	-	-	0.0002	100%	-	-
Nitrate (as NO ₃)	50	c		>50	mg/L	0.0618	100%	0.0167	100%	0.2000	100%	0.1800	100%	0.0400	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0076	100%	0.0050	100%	0.0050	100%	0.0200	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.9071	100%	7.9002	100%	7.7750	100%	8.0450	100%	7.8364	100%
Selenium	0.01	c		>0.01	mg/L	0.0035	100%	-	-	-	-	0.0035	100%	-	-
Silver	0.1	c		>0.1	mg/L	0.0001	100%	-	-	-	-	0.0001	100%	-	-
Sodium	c	180		>180	mg/L	8.0000	100%	-	-	-	-	8.0000	100%	-	-
Sulfate	500	250		>500	mg/L	1.0000	100%	-	-	-	-	1.0000	100%	-	-
TDS ²	c	600		>600	mg/L	117.2941	100%	123.0000	100%	71.0000	100%	103.6667	100%	126.2500	100%
True Colour	c	15		>15	HU	0.5000	100%	-	-	-	-	0.5000	100%	-	-
Turbidity	c	5		>5	NTU	0.3940	100%	0.3562	100.00%	0.4175	100%	0.3358	100%	0.6209	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	-	-	-	-	0.0001	100%	-	-
Zinc	c	3		>3	mg/L	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>