

Drinking Water Quality Summary - March 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	0.0533	100%	0.0600	100%	-	-	0.0500	100%	0.0500	100%
Arsenic	c	0.01		>0.01	mg/L	0.0010	100%	0.0010	100%	-	-	0.0010	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	22.7667	100%	20.2000	100%	-	-	23.2000	100%	24.9000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.4453	81.9%	0.3891	74%	0.3600	100.0%	0.6850	100%	0.4989	100%
Copper	2	1		>2	mg/L	0.0089	100%	0.0023	100%	-	-	0.0053	100%	0.0305	100%
Fluoride	1.5	c		>1.5	mg/L	1.0000	100%	1.0340	100%	-	100%	1.0000	100%	1.0100	100%
Hardness	c	200		>200	mg/L	79.6000	100%	73.7000	100%	-	-	80.3000	100%	84.8000	100%
Iron	c	0.3		>0.3	mg/L	0.0270	100%	0.0220	100%	-	-	0.0317	100%	0.0325	100%
Lead	0.01	c		>0.01	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0002	100%
Magnesium	10000	c		>10000	mg/L	5.5267	100%	5.6400	100%	-	-	5.4400	100%	5.5000	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0182	100%	0.0220	100%	-	-	0.0193	100%	0.0071	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%	0.0004	100%	-	-	0.0004	100%	0.0004	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1595	100%	0.1080	100%	-	-	0.1717	100%	0.2700	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0185	100%	0.0140	100%	-	-	0.0200	100%	0.0275	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.4775	100%	7.4803	100%	7.7500	100%	7.4358	100%	7.4611	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	13.6667	100%	14.0000	100%	-	-	14.0000	100%	13.0000	100%
Sulfate	500	250		>500	mg/L	22.3333	100%	23.0000	100%	-	-	22.0000	100%	22.0000	100%
TDS ²	c	600		>600	mg/L	108.6000	100%	116.8000	100%	-	-	93.3333	100%	111.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.2718	100%	0.2866	100.00%	0.0200	100%	0.1083	100%	0.4178	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>