

## Drinking Water Quality Summary - December 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%	0.0800	100%	-	-	0.0400	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	16.2000	100%	13.1000	100%	-	-	14.2000	100%	21.3000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6164	97.0%	0.5769	96%	0.9675	100.0%	0.6742	100%	0.5633	100%
Copper	2	1		>2	mg/L	0.0137	100%	0.0020	100%	-	-	0.0060	100%	0.0330	100%
Fluoride	1.5	c		>1.5	mg/L	1.0400	100%	0.9900	100%	1.0400	100%	0.9400	100%	1.0100	100%
Hardness	c	200		>200	mg/L	62.2333	100%	55.6000	100%	-	-	55.3000	100%	75.8000	100%
Iron	c	0.3		>0.3	mg/L	0.0300	100%	0.0100	100%	-	-	0.0100	100%	0.0700	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0001	100%	-	-	0.0003	100%	0.0003	100%
Magnesium	10000	c		>10000	mg/L	5.2900	100%	5.5600	100%	-	-	4.8200	100%	5.4900	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0075	100%	0.0041	100%	-	-	0.0019	100%	0.0166	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	0.0002	100%	0.0002	100%	-	-	0.0002	100%	0.0002	100%
Nitrate (as NO <sub>3</sub> )	50	c		>50	mg/L	0.5000	100%	0.5000	100%	-	-	0.5000	100%	0.5000	100%
Nitrite (as NO <sub>2</sub> )	3	c		>3	mg/L	0.0500	100%	0.0500	100%	-	-	0.0500	100%	0.0500	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.5467	100%	7.5664	100%	7.3150	100%	7.5000	100%	7.6467	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	12.3333	100%	12.0000	100%	-	-	13.0000	100%	12.0000	100%
Sulfate	500	250		>500	mg/L	20.6667	100%	20.0000	100%	-	-	21.0000	100%	21.0000	100%
TDS <sup>2</sup>	c	600		>600	mg/L	85.6667	100%	81.0000	100%	-	-	81.0000	100%	95.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.2749	100%	0.2487	100.00%	0.3925	100%	0.2317	100%	0.4800	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%

<sup>1</sup> 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.

<sup>2</sup> TDS = Total Dissolved Solids

<sup>3</sup> 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>