

Drinking Water Quality Summary - February 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	0.1600	75%	0.0500	100%	0.0100	100%	0.5400	0%	0.0400	100%
Arsenic	c	0.01		>0.01	mg/L	0.0006	100%	0.0010	100%	0.0005	100%	0.0005	100%	0.0005	100%
Cadmium	0.002	c		>0.002	mg/L	0.0001	100%	0.0001	100%	0.0001	100%	0.0001	100%	0.0001	100%
Calcium	10000	c		>10000	mg/L	19.2000	100%	24.1000	100%	3.7000	100%	24.9000	100%	24.1000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6439	81.6%	0.6110	84%	0.1280	20.0%	0.8494	88%	0.8320	100%
Copper	2	1		>2	mg/L	0.0107	100%	0.0095	100%	0.0210	100%	0.0100	100%	0.0135	100%
Fluoride	1.5	c		>1.5	mg/L	-	100%	1.0500	100%	-	100%	1.0475	100%	0.9950	100%
Hardness	c	200		>200	mg/L	60.8750	100%	79.5000	100%	19.2000	100%	65.6000	100%	79.2000	100%
Iron	c	0.3		>0.3	mg/L	0.0700	94%	0.0409	100%	0.0100	100%	0.1725	75%	0.0550	100%
Lead	0.01	c		>0.01	mg/L	0.0004	100%	0.0001	100%	0.0010	100%	0.0001	100%	0.0002	100%
Magnesium	10000	c		>10000	mg/L	3.1375	100%	4.7000	100%	2.4100	100%	0.8300	100%	4.6100	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0127	100%	0.0097	100%	0.0049	100%	0.0260	100%	0.0062	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	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%	0.0002	100%	0.0004	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1222	100%	0.0555	100%	0.5000	100%	0.1325	100%	0.2800	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0150	100%	0.0091	100%	0.0500	100%	0.0163	100%	0.0275	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.4396	100%	7.4258	100%	7.2760	100%	7.5294	100%	7.4540	100%
Selenium	0.01	c		>0.01	mg/L	0.0035	100%	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%	0.0001	100%
Sodium	c	180		>180	mg/L	11.2500	100%	12.0000	100%	12.0000	100%	9.0000	100%	12.0000	100%
Sulfate	500	250		>500	mg/L	12.7500	100%	23.0000	100%	4.0000	100%	1.0000	100%	23.0000	100%
TDS ²	c	600		>600	mg/L	114.0556	100%	134.7273	100%	41.0000	100%	80.2500	100%	104.5000	100%
True Colour	c	15		>15	HU	1.3750	100%	1.0000	100%	3.0000	100%	0.5000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.4253	100%	0.3576	100.00%	0.5820	100%	0.5456	100%	0.5600	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	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%	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>