

Drinking Water Quality Summary - August 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	0.0400	100%	0.0600	100%	0.0300	100%	0.0300	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	0.0005	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%	-	-
Calcium	10000	c		>10000	mg/L	9.8667	100%	12.3000	100%	3.6000	100%	13.7000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.5552	97.6%	0.5295	98%	0.5900	100.0%	0.5740	100%	0.6938	88%
Copper	2	1		>2	mg/L	0.0126	100%	0.0108	100%	0.0335	100%	0.0008	100%	-	-
Fluoride	1.5	c		>1.5	mg/L	-	100%	0.9280	100%	-	100%	0.9600	100%	-	-
Hardness	c	200		>200	mg/L	41.8333	100%	51.7000	100%	19.9000	100%	53.9000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0221	100%	0.0245	100%	0.0150	100%	0.0175	100%	-	-
Lead	0.01	c		>0.01	mg/L	0.0001	100%	0.0001	100%	0.0002	100%	0.0001	100%	-	-
Magnesium	10000	c		>10000	mg/L	4.1800	100%	5.1000	100%	2.6500	100%	4.7900	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0018	100%	0.0022	100%	0.0006	100%	0.0010	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 ₃)	50	c		>50	mg/L	0.1814	100%	0.0850	100%	0.5750	100%	0.2700	100%	-	-
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0146	100%	0.0095	100%	0.0275	100%	0.0275	100%	-	-
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.5289	100%	7.5366	100%	7.2300	100%	7.5580	100%	7.5313	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	12.6667	100%	13.0000	100%	12.0000	100%	13.0000	100%	-	-
Sulfate	500	250		>500	mg/L	17.3333	100%	23.0000	100%	4.0000	100%	25.0000	100%	-	-
TDS ²	c	600		>600	mg/L	90.7857	100%	98.6000	100%	51.5000	100%	91.0000	100%	-	-
True Colour	c	15		>15	HU	1.3333	100%	1.0000	100%	2.0000	100%	1.0000	100%	-	-
Turbidity	c	5		>5	NTU	0.2736	100%	0.2222	100.00%	0.1667	100%	0.4493	100%	0.3563	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	0.0083	100%	0.0100	100%	0.0100	100%	0.0050	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