

Drinking Water Quality Summary - July 2022

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	0.1250	100%	0.1300	100%	-	-	0.1200	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	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%	-	-
Calcium	10000	c		>10000	mg/L	23.8000	100%	22.4000	100%	-	-	25.2000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7525	100%	0.6998	100%	1.1325	100%	0.7562	100%	0.8829	100%
Copper	2	1		>2	mg/L	0.0071	100%	0.0068	100%	-	-	0.0085	100%	0.0040	100%
Fluoride	1.5	c		>1.5	mg/L	0.9500	100%	0.9825	100%	0.9500	100%	0.9100	100%	0.7700	100%
Hardness	c	200		>200	mg/L	74.9000	100%	71.3000	100%	-	-	78.5000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0308	100%	0.0313	100%	-	-	0.0313	100%	0.0250	100%
Lead	0.01	c		>0.01	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Magnesium	10000	c		>10000	mg/L	3.7550	100%	3.7300	100%	-	-	3.7800	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0039	100%	0.0048	100%	-	-	0.0021	100%	0.0030	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	-	-	0.0004	100%	-	-
Nickel	0.02	c		>0.02	mg/L	0.0004	100%	0.0005	100%	-	-	0.0002	100%	-	-
Nitrate (as NO ₃)	50	c		>50	mg/L	0.2262	100%	0.2000	100%	-	-	0.3150	100%	0.0800	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0119	100%	0.0106	100%	-	-	0.0163	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.4777	100%	7.4932	100%	7.3825	100%	7.4592	100%	7.4629	100%
Selenium	0.01	c		>0.01	mg/L	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%	-	-
Sodium	c	180		>180	mg/L	11.0000	100%	11.0000	100%	-	-	11.0000	100%	-	-
Sulfate	500	250		>500	mg/L	24.0000	100%	24.0000	100%	-	-	24.0000	100%	-	-
TDS ²	c	600		>600	mg/L	117.3846	100%	118.3750	100%	-	-	116.2500	100%	114.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	-	-
Turbidity	c	5		>5	NTU	0.4451	100%	0.4496	100%	0.2575	100%	0.4631	100%	0.4886	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Zinc	c	3		>3	mg/L	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>