

Drinking Water Quality Summary - February 2021

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	0.0733	100%	0.0400	100%	-	-	0.1200	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	23.6667	100%	23.7000	100%	-	-	23.6000	100%	23.7000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7254	88.4%	0.7133	92%	0.6600	75.0%	0.8354	85%	0.5775	75%
Copper	2	1		>2	mg/L	0.0196	100%	0.0253	100%	-	-	0.0010	100%	0.0040	100%
Fluoride	1.5	c		>1.5	mg/L	0.9978	100%	1.0317	100%	0.9300	100%	0.9700	100%	0.8900	100%
Hardness	c	200		>200	mg/L	72.5333	100%	77.2000	100%	-	-	63.3000	100%	77.1000	100%
Iron	c	0.3		>0.3	mg/L	0.0238	100%	0.0283	100%	-	-	0.0100	100%	0.0100	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0003	100%	-	-	0.0001	100%	0.0001	100%
Magnesium	10000	c		>10000	mg/L	3.2567	100%	4.3700	100%	-	-	1.0500	100%	4.3500	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0189	100%	0.0207	100%	-	-	0.0018	100%	0.0255	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	0.0003	100%	0.0004	100%	-	-	0.0002	100%	0.0002	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1906	100%	0.0875	100%	-	-	0.5000	100%	0.5000	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0219	100%	0.0125	100%	-	-	0.0500	100%	0.0500	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8953	97%	7.8741	98%	7.4600	100%	8.1300	93%	7.8117	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	10.6667	100%	12.0000	100%	-	-	9.0000	100%	11.0000	100%
Sulfate	500	250		>500	mg/L	13.3333	100%	19.0000	100%	-	-	2.0000	100%	19.0000	100%
TDS ²	c	600		>600	mg/L	115.6250	100%	123.6667	100%	-	-	83.0000	100%	100.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.1927	100%	0.2486	100.00%	0.0300	100%	0.0821	100%	0.1033	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	0.0733	100%	0.0800	100%	-	-	0.0700	100%	0.0700	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>