Drinking Water Quality Summary - February 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
E. coli	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%	0.0500	100%	-	-	0.1000	100%	0.0700	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	25.0000	100%	24.0000	100%	-	-	26.4000	100%	24.6000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.5390	68.9%	0.4864	64%	0.3433	66.7%	0.7777	85%	0.4367	67%
Copper	2	1		>2	mg/L	0.0131	100%	0.0098	100%	-	-	0.0090	100%	0.0340	100%
Fluoride	1.5	c		>1.5	mg/L	0.8200	100%	1.0222	100%	0.8200	100%	1.0267	100%	0.9500	100%
Hardness	c	200		>200	mg/L	76.0000	100%	75.5000	100%	-	-	75.3000	100%	77.2000	100%
Iron	c	0.3		>0.3	mg/L	0.0336	100%	0.0289	100%	-	-	0.0517	100%	0.0275	100%
Lead	0.01	c		>0.01	mg/L	0.0003	100%	0.0003	100%	-	-	0.0001	100%	0.0004	100%
Magnesium	10000	c		>10000	mg/L	2.4780	100%	1.9010	100%	-	-	2.2800	100%	3.8300	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0124	100%	0.0087	100%	-	-	0.0213	100%	0.0141	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	0.0004	100%	0.0005	100%	-	-	0.0002	100%	0.0005	100%
Nitrate (as NO_3)	50	c		>50	mg/L	0.1164	100%	0.0650	100%	-	-	0.1717	100%	0.2650	100%
Nitrite (as NO_2)	3	c		>3	mg/L	0.0146	100%	0.0100	100%	-	-	0.0200	100%	0.0275	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8926	100%	7.9083	100%	7.8667	100%	7.8492	100%	7.8867	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	10.0000	100%	10.0000	100%	-	-	10.0000	100%	10.0000	100%
Sulfate	500	250		>500	mg/L	16.3333	100%	19.0000	100%	-	-	10.0000	100%	20.0000	100%
TDS[2]	c	600		>600	mg/L	119.7143	100%	127.5556	100%	-	-	104.3333	100%	107.5000	100%
True Colour	c	15		>15	HU	1.6667	100%	2.0000	100%	-	-	1.0000	100%	2.0000	100%
Turbidity	c	5		>5	NTU	0.4131	100%	0.4131	100.00%	0.1667	100%	0.4500	100%	0.5000	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%

[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