

## Drinking Water Quality Summary - June 2020

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	0.0450	100%	0.0400	100%	-	-	0.0500	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	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%	-	-
Calcium	10000	c		>10000	mg/L	24.9500	100%	23.7000	100%	-	-	26.2000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7771	82.5%	0.8259	87%	0.1860	40.0%	0.6780	73%	1.0783	100%
Copper	2	1		>2	mg/L	0.0173	100%	0.0224	100%	-	-	0.0028	100%	0.0230	100%
Fluoride	1.5	c		>1.5	mg/L	0.9944	100%	0.9956	100%	1.0300	100%	0.9650	100%	1.0300	100%
Hardness	c	200		>200	mg/L	74.1500	100%	77.2000	100%	-	-	71.1000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0280	100%	0.0306	100%	-	-	0.0238	100%	0.0250	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0002	100%	-	-	0.0001	100%	-	-
Magnesium	10000	c		>10000	mg/L	2.8750	100%	4.3700	100%	-	-	1.3800	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0034	100%	0.0036	100%	-	-	0.0036	100%	0.0025	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	0.0002	100%	0.0002	100%	-	-	0.0002	100%	-	-
Nitrate (as NO <sub>3</sub> )	50	c		>50	mg/L	0.2847	100%	0.3378	100%	-	-	0.1750	100%	0.2650	100%
Nitrite (as NO <sub>2</sub> )	3	c		>3	mg/L	0.0110	100%	0.0100	100%	-	-	0.0163	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8154	95%	7.8460	96%	7.3340	100%	7.8625	88%	7.8100	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	12.5000	100%	12.0000	100%	-	-	13.0000	100%	-	-
Sulfate	500	250		>500	mg/L	14.0000	100%	23.0000	100%	-	-	5.0000	100%	-	-
TDS <sup>2</sup>	c	600		>600	mg/L	126.6000	100%	129.4444	100%	-	-	118.5000	100%	130.0000	100%
True Colour	c	15		>15	HU	1.5000	100%	1.0000	100%	-	-	2.0000	100%	-	-
Turbidity	c	5		>5	NTU	0.2396	100%	0.2702	100.00%	0.0240	100%	0.2206	100%	0.1900	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Zinc	c	3		>3	mg/L	0.0700	100%	0.0700	100%	-	-	0.0700	100%	-	-

<sup>1</sup> 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.

<sup>2</sup> TDS = Total Dissolved Solids

<sup>3</sup> 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>