

## Drinking Water Quality Summary - March 2018

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	0.000	100%	0.000	100%	0	100%	0.000	100%	0.000	100%
Aluminium	c	0.2		>0.2	mg/L	0.057	100%	0.050	100%	-	-	0.050	100%	0.070	100%
Arsenic	c	0.01		>0.01	mg/L	0.001	100%	0.001	100%	-	-	0.001	100%	0.001	100%
Cadmium	0.002	c		>0.002	mg/L	0.000	100%	0.000	100%	-	-	0.000	100%	0.000	100%
Calcium	10000	c		>10000	mg/L	23.600	100%	23.200	100%	-	-	25.000	100%	22.600	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.642	87.1%	0.690	88.0%	0.2900	50.0%	0.586	92.3%	0.563	100%
Copper	2	1		>2	mg/L	0.011	100%	0.008	100%	0.0080	100%	0.007	100%	0.045	100%
Fluoride	1.5	c		>1.5	mg/L	0.927	100%	0.980	100%	0.9600	100%	0.825	100%	0.900	100%
Hardness	c	200		>200	mg/L	72.067	100%	75.600	100%	-	-	66.900	100%	73.700	100%
Iron	c	0.3		>0.3	mg/L	0.025	100%	0.029	100%	0.0250	100%	0.020	100%	0.020	100%
Lead	0.01	c		>0.01	mg/L	0.001	100%	0.001	100%	-	-	0.001	100%	0.001	100%
Magnesium	10000	c		>10000	mg/L	3.183	100%	4.280	100%	-	-	1.080	100%	4.190	100%
Manganese	0.5	0.1		>0.5	mg/L	0.006	100%	0.006	100%	0.0030	100%	0.008	100%	0.007	100%
Mercury	0.001	c		>0.001	mg/L	0.000	100%	0.000	100%	-	-	0.000	100%	0.000	100%
Nickel	0.02	c		>0.02	mg/L	0.005	100%	0.005	100%	-	-	0.005	100%	0.005	100%
Nitrate (as NO <sub>3</sub> )	50	c		>50	mg/L	0.138	100%	0.083	100%	0.0500	100%	0.168	100%	0.500	100%
Nitrite (as NO <sub>2</sub> )	3	c		>3	mg/L	0.015	100%	0.011	100%	0.0050	100%	0.016	100%	0.050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.852	98.6%	7.860	98.0%	7.7075	100%	7.885	100.0%	7.785	100%
Selenium	0.01	c		>0.01	mg/L	0.001	100%	0.001	100%	-	-	0.001	100%	0.001	100%
Silver	0.1	c		>0.1	mg/L	0.001	100%	0.001	100%	-	-	0.001	100%	0.001	100%
Sodium	c	180		>180	mg/L	12.667	100%	13.000	100%	-	-	12.000	100%	13.000	100%
Sulfate	500	250		>500	mg/L	12.667	100%	18.000	100%	-	-	2.000	100%	18.000	100%
TDS <sup>2</sup>	c	600		>600	mg/L	115.154	100%	126.143	100%	78.0000	100%	107.500	100%	106.000	100%
True Colour	c	15		>15	HU	0.833	100%	1.000	100%	-	-	0.500	100%	1.000	100%
Turbidity	c	5		>5	NTU	0.350	100%	0.358	100%	0.1075	100%	0.371	100%	0.413	100%
Uranium	0.017	c		>0.017	mg/L	0.003	100%	0.003	100%	-	-	0.003	100%	0.003	100%
Zinc	c	3		>3	mg/L	0.008	100%	0.010	100%	-	-	0.005	100%	0.010	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