



## Drinking Water Quality Summary - November 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	100%	0	100%	0	100%	0	100%	0	100%
Aluminium	c	0.2		>0.2	mg/L	0.1050	100%	0.0900	100%	-	-	0.1200	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	0.0003	100%	0.0003	100%	-	-	0.0003	100%	-	-
Calcium	10000	c		>10000	mg/L	17.5500	100%	18.5000	100%	-	-	16.6000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6655	92.5%	0.6780	91.1%	0.3700	66.7%	0.7100	100.0%	0.6357	100.0%
Copper	2	1		>2	mg/L	0.0040	100%	0.0044	100%	-	-	0.0050	100%	0.0005	100%
Fluoride	1.5	c		>1.5	mg/L	0.9200	100%	0.9429	100%	0.8900	100%	0.8100	100%	0.9000	100%
Hardness	c	200		>200	mg/L	59.3500	100%	63.1000	100%	-	-	55.6000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0439	100%	0.0486	100%	-	-	0.0300	100%	0.0250	100%
Lead	0.01	c		>0.01	mg/L	0.0010	100%	0.0010	100%	-	-	0.0010	100%	-	-
Magnesium	10000	c		>10000	mg/L	3.7700	100%	4.1000	100%	-	-	3.4400	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0076	100%	0.0082	100%	-	-	0.0025	100%	0.0080	100%
Mercury	0.001	c		>0.001	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	-	-
Nickel	0.02	c		>0.02	mg/L	0.0050	100%	0.0050	100%	-	-	0.0050	100%	-	-
Nitrate (as NO <sub>3</sub> )	50	c		>50	mg/L	0.1222	100%	0.0829	100%	-	-	0.5000	100%	0.0200	100%
Nitrite (as NO <sub>2</sub> )	3	c		>3	mg/L	0.0150	100%	0.0114	100%	-	-	0.0500	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8943	100.0%	7.9072	100.0%	7.3367	100%	7.9992	100.0%	7.8514	100%
Selenium	0.01	c		>0.01	mg/L	0.0010	100%	0.0010	100%	-	-	0.0010	100%	-	-
Silver	0.1	c		>0.1	mg/L	0.0125	100%	0.0010	100%	-	-	0.0240	100%	-	-
Sodium	c	180		>180	mg/L	12.0000	100%	12.0000	100%	-	-	12.0000	100%	-	-
Sulfate	500	250		>500	mg/L	9.5000	100%	14.0000	100%	-	-	5.0000	100%	-	-
TDS <sup>2</sup>	c	600		>600	mg/L	110.2222	100%	113.1429	100%	-	-	81.0000	100%	119.0000	100%
True Colour	c	15		>15	HU	0.5000	100%	0.5000	100%	-	-	0.5000	100%	-	-
Turbidity	c	5		>5	NTU	0.7423	99%	0.4874	100.00%	0.1533	100%	0.3362	100%	3.4600	86%
Uranium	0.017	c		>0.017	mg/L	0.0025	100%	0.0025	100.00%	-	-	0.0025	100%	-	-
Zinc	c	3		>3	mg/L	0.0050	100%	0.0050	100%	-	-	0.0050	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