

## Drinking Water Quality Summary - October 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%	0.000	100%	0.000	100%	0.000	100%
Aluminium	c	0.2		>0.2	mg/L	0.120	100%	0.100	100%	-	-	0.140	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	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%	-	-
Calcium	10000	c		>10000	mg/L	16.850	100%	16.100	100%	-	-	17.600	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.594	89.7%	0.596	90.7%	0.260	50.0%	0.608	93.3%	0.796	100.0%
Copper	2	1		>2	mg/L	0.006	100%	0.006	100%	0.013	100%	0.003	100%	-	-
Fluoride	1.5	c		>1.5	mg/L	0.855	100%	0.849	100%	0.850	100%	0.900	100%	-	-
Hardness	c	200		>200	mg/L	58.750	100%	57.100	100%	-	-	60.400	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.035	100%	0.036	100%	0.025	100%	0.033	100%	-	-
Lead	0.01	c		>0.01	mg/L	0.001	100%	0.001	100%	-	-	0.001	100%	-	-
Magnesium	10000	c		>10000	mg/L	4.050	100%	4.110	100%	-	-	3.990	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.004	100%	0.005	100%	0.001	100%	0.004	100%	-	-
Mercury	0.001	c		>0.001	mg/L	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%	-	-
Nitrate (as NO <sub>3</sub> )	50	c		>50	mg/L	0.101	100%	0.068	100%	0.240	100%	0.265	100%	-	-
Nitrite (as NO <sub>2</sub> )	3	c		>3	mg/L	0.010	100%	0.008	100%	0.005	100%	0.028	100%	-	-
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.945	98.8%	7.951	98.2%	7.528	100%	8.022	100%	7.968	100%
Selenium	0.01	c		>0.01	mg/L	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%	-	-
Sodium	c	180		>180	mg/L	11.000	100%	11.000	100%	-	-	11.000	100%	-	-
Sulfate	500	250		>500	mg/L	4.000	100%	4.000	100%	-	-	4.000	100%	-	-
TDS <sup>2</sup>	c	600		>600	mg/L	112.176	100%	115.929	100%	85.000	100%	99.500	100%	-	-
True Colour	c	15		>15	HU	0.500	100%	0.500	100%	-	-	0.500	100%	-	-
Turbidity	c	5		>5	NTU	0.660	100%	0.679	100%	0.220	100%	0.726	100%	0.592	100%
Uranium	0.017	c		>0.017	mg/L	0.003	100%	0.003	100%	-	-	0.003	100%	-	-
Zinc	c	3		>3	mg/L	0.005	100%	0.005	100%	-	-	0.005	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