



Drinking Water Quality Summary - August 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	0.0450	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	0.0003	100%	0.0003	100%	-	-	0.0003	100%	-	-
Calcium	10000	c		>10000	mg/L	20.5000	100%	20.2000	100%	-	-	20.8000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6572	95.7%	0.6088	95.9%	0.6500	66.7%	0.8292	100.0%	0.7240	100.0%
Copper	2	1		>2	mg/L	0.0101	100%	0.0112	100%	0.0260	100%	0.0065	100%	0.0035	100%
Fluoride	1.5	c		>1.5	mg/L	1.0429	100%	1.0857	100%	1.0100	100%	0.9600	100%	1.0500	100%
Hardness	c	200		>200	mg/L	68.4500	100%	68.0000	100%	-	-	68.9000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0235	100%	0.0229	100%	0.0250	100%	0.0233	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	4.1900	100%	4.2600	100%	-	-	4.1200	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0027	100%	0.0031	100%	0.0020	100%	0.0022	100%	0.0025	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 ₃)	50	c		>50	mg/L	0.1631	100%	0.0929	100%	0.8200	100%	0.1967	100%	0.0300	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0119	100%	0.0114	100%	0.0050	100%	0.0200	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.6632	98.6%	7.6552	98.0%	7.1967	100%	7.8393	100.0%	7.5300	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	0.0010	100%	0.0010	100%	-	-	0.0010	100%	-	-
Sodium	c	180		>180	mg/L	12.0000	100%	12.0000	100%	-	-	12.0000	100%	-	-
Sulfate	500	250		>500	mg/L	15.5000	100%	16.0000	100%	-	-	15.0000	100%	-	-
TDS ²	c	600		>600	mg/L	126.2308	100%	114.0000	100%	61.0000	100%	183.3333	100%	116.0000	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	-	-
Turbidity	c	5		>5	NTU	0.5431	100%	0.5841	100.00%	0.2667	100%	0.4093	100%	0.6820	100%
Uranium	0.017	c		>0.017	mg/L	0.0025	100%	0.0025	100.00%	-	-	0.0025	100%	-	-
Zinc	c	3		>3	mg/L	0.0100	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