



Drinking Water Quality Summary - September 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	0.0417	100%	0.0600	100%	0.0050	100%	0.0600	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	0.0005	100%	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%	0.0003	100%	-	-
Calcium	10000	c		>10000	mg/L	15.5667	100%	21.3000	100%	3.9000	100%	21.5000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.5647	85.5%	0.4979	83.0%	0.9725	75.0%	0.7369	92.3%	0.5100	100.0%
Copper	2	1		>2	mg/L	0.0094	100%	0.0068	100%	0.0155	100%	0.0044	100%	0.0210	100%
Fluoride	1.5	c		>1.5	mg/L	0.8963	100%	0.9160	100%	0.6800	100%	0.9275	100%	0.9333	100%
Hardness	c	200		>200	mg/L	54.3667	100%	70.7000	100%	21.8000	100%	70.6000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0468	100%	0.0380	100%	0.0150	100%	0.0263	100%	0.1250	100%
Lead	0.01	c		>0.01	mg/L	0.0010	100%	0.0010	100%	0.0010	100%	0.0010	100%	-	-
Magnesium	10000	c		>10000	mg/L	3.7700	100%	4.2600	100%	2.9400	100%	4.1100	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0067	100%	0.0069	100%	0.0015	100%	0.0023	100%	0.0155	100%
Mercury	0.001	c		>0.001	mg/L	0.0001	100%	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%	0.0050	100%	-	-
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1342	100%	0.0665	100%	0.6150	100%	0.1388	100%	0.0333	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0134	100%	0.0115	100%	0.0275	100%	0.0175	100%	0.0050	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.7947	98.7%	7.7852	100.0%	7.6320	100%	7.9643	92.9%	7.6200	100%
Selenium	0.01	c		>0.01	mg/L	0.0010	100%	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%	0.0010	100%	-	-
Sodium	c	180		>180	mg/L	13.3333	100%	12.0000	100%	15.0000	100%	13.0000	100%	-	-
Sulfate	500	250		>500	mg/L	12.3333	100%	16.0000	100%	5.0000	100%	16.0000	100%	-	-
TDS ²	c	600		>600	mg/L	107.3684	100%	108.8000	100%	64.0000	100%	125.2500	100%	107.6667	100%
True Colour	c	15		>15	HU	1.1667	100%	1.0000	100%	2.0000	100%	0.5000	100%	-	-
Turbidity	c	5		>5	NTU	0.5401	100%	0.5967	100.00%	0.2300	100%	0.3907	100%	0.6383	100%
Uranium	0.017	c		>0.017	mg/L	0.0025	100%	0.0025	100.00%	0.0025	100%	0.0025	100%	-	-
Zinc	c	3		>3	mg/L	0.0083	100%	0.0050	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