



Drinking Water Quality Summary - May 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	0.0467	100%	0.0600	100%	-	-	0.0400	100%	0.0400	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	22.9333	100%	22.0000	100%	-	-	24.2000	100%	22.6000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.6877	91.9%	0.6586	94.0%	0.4850	75.0%	0.9115	92.3%	0.5957	85.7%
Copper	2	1		>2	mg/L	0.0050	100%	0.0062	100%	-	-	0.0025	100%	0.0025	100%
Fluoride	1.5	c		>1.5	mg/L	0.9723	100%	0.9775	100%	0.8900	100%	0.9500	100%	0.9933	100%
Hardness	c	200		>200	mg/L	74.7667	100%	73.0000	100%	-	-	77.1000	100%	74.2000	100%
Iron	c	0.3		>0.3	mg/L	0.0238	100%	0.0269	100%	-	-	0.0100	100%	0.0200	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	4.2467	100%	4.3800	100%	-	-	4.0500	100%	4.3100	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0044	100%	0.0045	100%	-	-	0.0060	100%	0.0037	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	0.1296	100%	0.0669	100%	-	-	0.5000	100%	0.1733	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0163	100%	0.0106	100%	-	-	0.0500	100%	0.0200	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8668	100.0%	7.8720	100.0%	7.6125	100%	8.0150	100.0%	7.7013	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	12.3333	100%	13.0000	100%	-	-	12.0000	100%	12.0000	100%
Sulfate	500	250		>500	mg/L	17.3333	100%	17.0000	100%	-	-	17.0000	100%	18.0000	100%
TDS ²	c	600		>600	mg/L	118.2500	100%	120.6250	100%	-	-	111.0000	100%	114.3333	100%
True Colour	c	15		>15	HU	2.0000	100%	2.0000	100%	-	-	2.0000	100%	2.0000	100%
Turbidity	c	5		>5	NTU	0.2790	100%	0.3127	100.00%	0.4275	100%	0.1079	100%	0.2888	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	0.0167	100%	0.0300	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