

Drinking Water Quality Summary - June 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	0.0300	100%	0.0300	100%	-	-	0.0300	100%	-	-
Arsenic	c	0.01		>0.01	mg/L	0.0010	100%	0.0010	100%	-	-	0.0010	100%	-	-
Cadmium	0.002	c		>0.002	mg/L	0.0003	100%	0.0003	100%	-	-	0.0003	100%	-	-
Calcium	10000	c		>10000	mg/L	22.9500	100%	22.2000	100%	-	-	23.7000	100%	-	-
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.7272	91.5%	0.7380	94.0%	0.2567	33.3%	0.7715	92.3%	0.7860	100.0%
Copper	2	1		>2	mg/L	0.0104	100%	0.0136	100%	-	-	0.0024	100%	-	-
Fluoride	1.5	c		>1.5	mg/L	1.0229	100%	1.0278	100%	1.0500	100%	1.0050	100%	-	-
Hardness	c	200		>200	mg/L	74.1000	100%	73.3000	100%	-	-	74.9000	100%	-	-
Iron	c	0.3		>0.3	mg/L	0.0429	100%	0.0440	100%	-	-	0.0400	100%	-	-
Lead	0.01	c		>0.01	mg/L	0.0010	100%	0.0010	100%	-	-	0.0010	100%	-	-
Magnesium	10000	c		>10000	mg/L	4.0800	100%	4.3500	100%	-	-	3.8100	100%	-	-
Manganese	0.5	0.1		>0.5	mg/L	0.0069	100%	0.0078	100%	-	-	0.0046	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	0.0921	100%	0.0720	100%	-	-	0.1425	100%	-	-
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0114	100%	0.0095	100%	-	-	0.0163	100%	-	-
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8166	100.0%	7.8004	100.0%	7.4900	100%	8.0050	100.0%	7.6500	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	13.0000	100%	13.0000	100%	-	-	13.0000	100%	-	-
Sulfate	500	250		>500	mg/L	16.0000	100%	17.0000	100%	-	-	15.0000	100%	-	-
TDS ²	c	600		>600	mg/L	103.1429	100%	96.5000	100%	-	-	119.7500	100%	-	-
True Colour	c	15		>15	HU	0.5000	100%	0.5000	100%	-	-	0.5000	100%	-	-
Turbidity	c	5		>5	NTU	0.4685	100%	0.5153	100.00%	0.3733	100%	0.3007	100%	0.5180	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	0.0050	100%	0.0050	100%	-	-	0.0050	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