

Drinking Water Quality Summary - April 2024

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	0.0600	100%	0.0600	100%	-	-	0.0700	100%	0.0500	100%
Arsenic	c	0.01		>0.01	mg/L	0.0008	100%	0.0010	100%	-	-	0.0005	100%	0.0010	100%
Cadmium	0.002	c		>0.002	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Calcium	10000	c		>10000	mg/L	20.1000	100%	17.2000	100%	-	-	21.8000	100%	21.3000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.4665	87.5%	0.4294	88%	0.5050	50.0%	0.4860	93%	0.7340	100%
Copper	2	1		>2	mg/L	0.0133	100%	0.0050	100%	-	-	0.0010	100%	0.0420	100%
Fluoride	1.5	c		>1.5	mg/L	0.9700	100%	1.0000	100%	0.9700	100%	0.9400	100%	1.0200	100%
Hardness	c	200		>200	mg/L	64.4667	100%	62.0000	100%	-	-	58.2000	100%	73.2000	100%
Iron	c	0.3		>0.3	mg/L	0.0450	100%	0.0450	100%	-	-	0.0200	100%	0.0700	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0001	100%	-	-	0.0001	100%	0.0004	100%
Magnesium	10000	c		>10000	mg/L	3.4667	100%	4.6300	100%	-	-	0.9100	100%	4.8600	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0215	100%	0.0284	100%	-	-	0.0033	100%	0.0260	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	-	-	0.0004	100%	0.0004	100%
Nickel	0.02	c		>0.02	mg/L	0.0003	100%	0.0002	100%	-	-	0.0002	100%	0.0004	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.3800	100%	0.2600	100%	-	-	0.5000	100%	0.5000	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0388	100%	0.0275	100%	-	-	0.0500	100%	0.0500	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.8669	100%	7.8683	100%	7.8750	100%	7.8740	100%	7.8260	100%
Selenium	0.01	c		>0.01	mg/L	0.0035	100%	0.0035	100%	-	-	0.0035	100%	0.0035	100%
Silver	0.1	c		>0.1	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Sodium	c	180		>180	mg/L	10.0000	100%	11.0000	100%	-	-	7.0000	100%	12.0000	100%
Sulfate	500	250		>500	mg/L	14.6667	100%	21.0000	100%	-	-	1.0000	100%	22.0000	100%
TDS ²	c	600		>600	mg/L	95.2500	100%	105.0000	100%	-	-	73.0000	100%	98.0000	100%
True Colour	c	15		>15	HU	0.8333	100%	1.0000	100%	-	-	0.5000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.2204	100%	0.2146	100.00%	0.2325	100%	0.1733	100%	0.4080	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Zinc	c	3		>3	mg/L	0.0100	100%	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

Australian Drinking Water Guidelines 2011:

<http://www.nhmrc.gov.au/guidelines/publications/eh52>