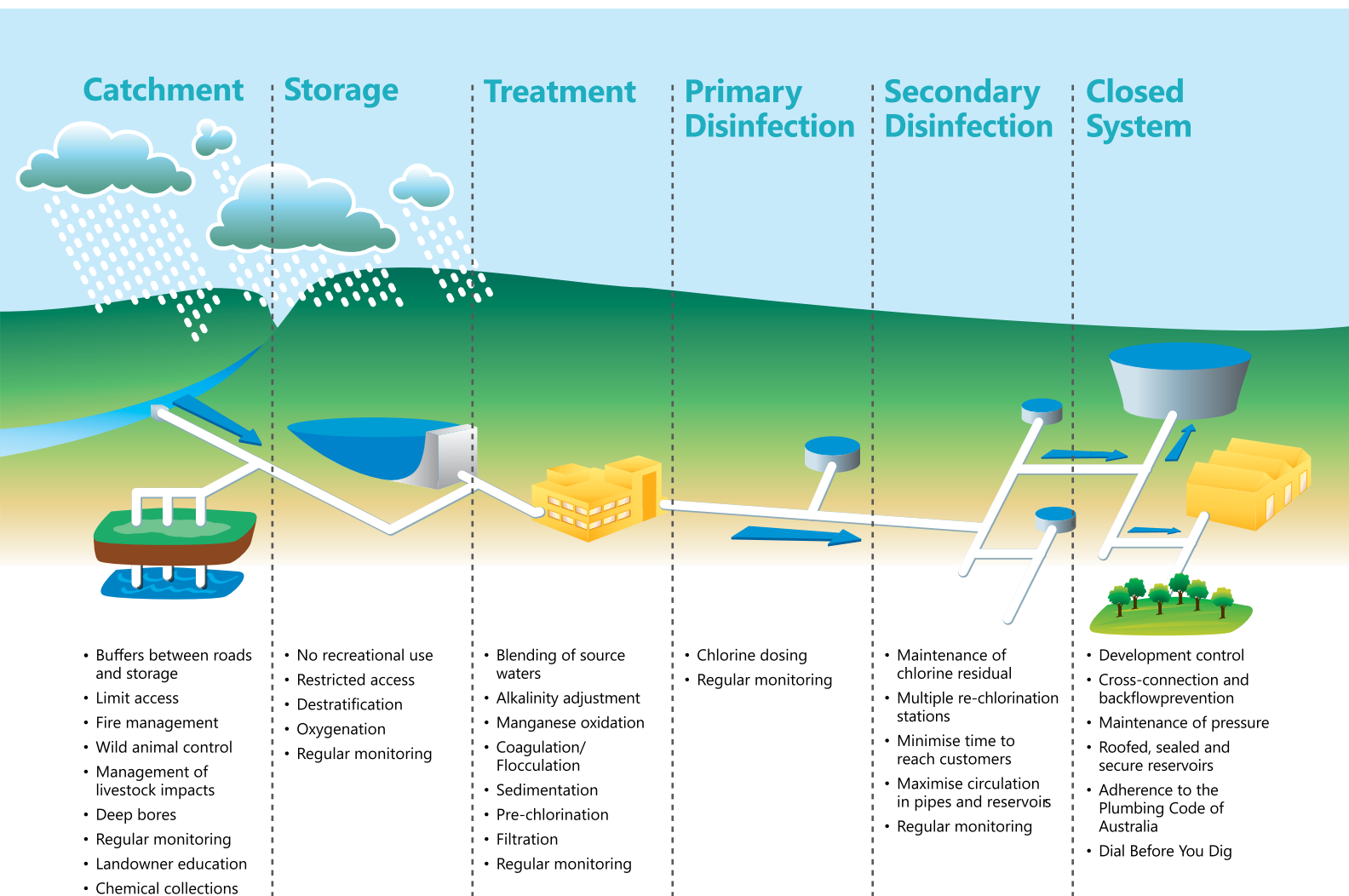


Annual Summary of Drinking Water Quality

1 July 2020 to 30 June 2021

Multi-Barrier approach to protecting drinking water quality



Our on-going drinking water quality management program is a holistic plan - starting at the catchment and ending at your tap. It involved a suite of capital works; maintenance, monitoring and operational strategies - along with communication initiatives - to protect, manage and maintain drinking water quality.

Monitoring Drinking Water Quality

We monitor water quality at every stage of the supply system to ensure you receive drinking water that meets the requirements of the Australian Drinking Water Guidelines 2011. In addition to online monitoring of critical treatment processes, water samples are taken from the catchment, before and after water treatment plants, from reservoirs and the reticulation system before entering homes. All samples are tested by Council and/or independent laboratories accredited with the National Association of Testing Authorities.

The results presented in this report are from samples obtained from customer taps throughout the supply system to verify that the water supplied to homes and businesses meets the quality requirements of the Australian Drinking Water Guidelines 2011.

What's Tested?

Your water is regularly tested for a range of physical, chemical and biological characteristics in accordance with the NSW Health Drinking Water Monitoring Program.

Event specific and research monitoring is also undertaken as required. This report provides a summary of the key parameters regularly tested by Council and NSW Health.

Performance Summary

From 1 July 2020 to 30 June 2021, your water quality complied with the Australian Drinking Water Guidelines 2011¹.

Water Quality Test Results

1 July 2020 to 30 June 2021

Microbiological Sampling and Analysis				
Parameter	Guideline Value	Guideline basis	Result	Number of samples
E. coli	100% of test results contain no E. coli	Health	100% of test results contain no E. coli	835

Physical Sampling and Analysis						
Parameter	Units of Measure	Guideline Value	Guideline Basis	Average Result	95th Percentile Result	Number of Samples
True Colour	HU	15	Aesthetic	0.9	1	28
Turbidity	NTU	5	Aesthetic	0.5	1.1	838
Total Dissolved Solids (TDS)	mg/L	600	Aesthetic	142	173	28
Total Hardness as CaCO ₃	mg/L	200	Aesthetic	62	87	29
Aluminium	mg/L	0.2	Aesthetic	0.04	0.09	29
Antimony	mg/L	0.003	Health	<0.0001	0.0001	29
Arsenic	mg/L	0.01	Health	<0.001	0.001	29
Barium	mg/L	2	Health	0.018	0.033	29
Boron	mg/L	4	Health	0.025	0.036	29
Cadmium ²	mg/L	0.002	Health	<0.0001	<0.0001	27
Calcium	mg/L	-	-	18	26	29
Chloride	mg/L	250	Aesthetic	38	55	28
Chromium	mg/L	0.05	Health	<0.001	0.001	29
Copper	mg/L	2 (1)	Health (Aesthetic)	0.10	0.54	30
Fluoride	mg/L	1.5	Health	0.7	1.0	28
Free Chlorine	mg/L	5	Health	1.2	1.9	834
Iodine	mg/L	0.5	Health	0.015	0.035	28
Iron	mg/L	0.3	Aesthetic	0.009	0.016	29
Lead	mg/L	0.01	Health	0.0007	0.0019	29
Magnesium	mg/L	-	-	4.2	5.2	29
Manganese	mg/L	0.5 (0.1)	Health (Aesthetic)	0.012	0.030	29
Mercury	mg/L	0.001	Health	<0.0008	<0.0008	29
Molybdenum	mg/L	0.05	Health	0.0014	0.0058	29
Nickel	mg/L	0.02	Health	0.0014	0.0028	29
Nitrate	mg/L	50	Health	1.7	3.0	28
Nitrite	mg/L	3	Health	<0.1	<0.1	28
pH		6.5 - 8.5	Aesthetic	7.64	7.90	838
Selenium	mg/L	0.01	Health	<0.007	0.007	29
Silver	mg/L	0.1	Health	<0.0002	<0.0002	29
Sodium	mg/L	180	Health	30	49	29
Sulfate	mg/L	500 (250)	Health (Aesthetic)	38	59	28
Uranium	mg/L	0.017	Health	<0.0001	<0.0001	29
Zinc	mg/L	3	Health	0.08	0.12	29

H.U = Hazen Units. N.T.U = Nephelometric Turbidity Units. mg/L = milligrams per litre (or parts per million). NA = not applicable.

¹Australian Drinking Water Guidelines 2011. The Australian Drinking Water Guidelines 2011 recognise that occasionally throughout the year there may be health or aesthetic related test results above the Guidelines values, and that these results are not necessarily an immediate threat to health. As such, the Guidelines do not require a 100 per cent result in all cases, with the exception of E.coli. Each test result above the guideline value for E. coli is investigated and actions taken where necessary to minimise the risk of a recurrence. Disturbances and operational changes can result in occasional localised elevated levels of aesthetic water quality characteristics such as turbidity.

² Two instances of water samples were found to be contaminated with cadmium following addition of acid preservative after collection. These results were not included as they did not represent the water quality supplied to customers.