

Drinking Water Quality Data



Wanneroo Locality

The Water Corporation regularly monitors the quality of all drinking water supplies to ensure that water supplied to consumer is both safe and pleasant to drink.

The report below shows the range of analysis results for water sampled from the distribution system over the past two years.

As water sources are developed or operational changes are made, variations in water quality are always possible. This report should, therefore, only be regarded as an indication of the water quality that would be expected in this area.

	Typical Range		2004 NHMRC / ADWG Guideline values
	Minimum	Maximum	
pH	7.4	8.1	6.5 – 8.5
Conductivity (mS/m)	50	80	None
Colour (HU)	<1	1	15
Turbidity (NTU)	<0.1	0.7	5.0
Sodium	60	105	180
Potassium	4	6	None
Calcium	25	40	None
Magnesium	7	11	None
Hardness as CaCO ₃	100	140	200
Chloride	100	180	250
Sulphate	10	40	250
Alkalinity as CaCO ₃	75	135	None
Nitrate + Nitrite as N	0.48	1.7	11.30
Iron	0.008	0.025	0.300
Manganese	<0.002	0.003	0.100
Aluminium	0.035	0.065	0.200
Silica as SiO ₂	14	20	None
Total Filterable solids (by sum)	355	485	500

Total Filterable Solids	High levels impact the taste to the water. TFSS up to 600 mg/L accepted due to drought conditions.
Iron and Manganese	Excessive levels contribute to brown staining / discolouration and 'dirty water' issues.
Alkalinity	Of interest to pool owners, aquarium keepers.
Turbidity	High levels cause cloudiness in water.
Colour	Due to contact with vegetation in the catchment.
Hardness	High levels can cause scaling on heating elements and difficulty in producing lather.
Fluoride	Added to water as required by State Government legislation at concentrations between 0.7mg/L and 1.0mg/L.

The program also includes toxic metals, synthetic organic compounds and microbiological monitoring, the results of which comply with the requirements of the 2004 NHMRC/ADWG Guidelines for Drinking Water in Australia.

Units are mg/L unless otherwise indicated, except pH which has no units.

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