

Drinking Water Quality Data

Armadale/Kelmscott Locality

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

The report below was updated in October 2015 and 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			2011 NHMRC/ADWG Guideline value
	Minimum	Median	Maximum	
Alkalinity as CaCO ₃	42	48	53	None
Aluminium	0.016	0.02	0.03	0.20
Calcium	14	17	19	None
Chloride	105	120	130	250
Colour (HU)	<1	<1	2	15
Conductivity (mS/ m)	47	52	57	None
Hardness as CaCO ₃	56	63	70	200
Iron	0.02	0.04	0.045	0.30
Magnesium	4.6	4.8	5.2	None
Manganese	<0.002	0.002	0.008	0.10
Nitrite plus nitrate as N	<0.05	<0.05	0.064	11.3
Potassium	2.4	2.6	2.8	None
Silicon as SiO ₂	2.6	3.8	4.5	None
Sodium	64	68	78	180
Sulphate	12	15	16	250
Total Dissolved Solids (TDS)	272	295	322	600
Turbidity (NTU)	0.2	0.4	0.5	5.0
pH	7.44	7.73	7.87	6.5 – 8.5

Total Dissolved Solids

Alkalinity

Turbidity

Iron and Manganese

Colour

Hardness

Fluoride

Typical range derived from Total Filterable Solids (by summation). High levels can impact the taste of the water.

Of interest to pool owners, aquarium keepers.

High levels cause cloudiness in water.

Excessive levels contribute to brown staining/discolouration.

Due to contact with vegetation in the catchment.

High levels can cause scaling on heating elements and difficulty in producing lather.

Added to water as required by State Government legislation at concentrations between 0.7 mg/L and 1.0 mg/L.

The program also includes toxic metals, synthetic organic compounds and microbiological monitoring, the results of which comply with the requirements of the 2011 NHMRC/ADWG Guidelines for Drinking Water in Australia.