Drinking Water Quality Data

Mt Yokine 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 August 2012 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 Aesthetic Guideline value
	Minimum	Maximum	
Alkalinity as $CaCO_3$	77	132	N/A*
Aluminium	0.014	0.030	0.20
Calcium	26	34	N/A*
Chloride	145	205	250
Colour (HU)	<1	1	15
Conductivity (mS/m)	73	91	N/A*
Hardness as $CaCO_3$	100	120	200
Iron	0.015	0.140	0.30
Magnesium	7.8	9.6	N/A*
Manganese	<0.002	0.009	0.10
Nitrite plus nitrate as N	0.094	0.610	11.3
Potassium	6.2	8.0	N/A*
Silicon as SiO_2	14	18	80
Sodium	100	135	180
Sulphate	19	40	250
Total Dissolved Solids (TDS)	452	582	600
Turbidity (NTU)	<0.1	0.3	5.0
pH	7.7	8.1	6.5 - 8.5

Total Dissolved Solids	Typical range derived from Total Filterable Solids (by summation). High levels can impact the taste of the water.
Alkalinity	Of interest to pool owners, aquarium keepers.
Turbidity	High levels cause cloudiness in water.
Iron and Manganese	Excessive levels contribute to brown staining / discolouration and problems.
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 0.7 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.
*N/A indicates that there is no ADWG aesthetic guideline value.

WATER CORPORATION