

## Fact sheet

### Drinking water distribution system water quality Jimboomba district

Component	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Aluminium (Acid	mg/L	46	0.0400	0.03	<0.01	0.27	0.055	Y	0.2
Ammonia (as NH <sub>3</sub> )	mg/L	60	0.16	0.20	<0.10	0.20	0.2	Y	0.5
Arsenic (Total)	mg/L	46	<0.02	<0.02	<0.02	<0.02	<0.02	Y	0.007
Barium (Ba)	mg/L	15	0.03	0.01	<0.01	0.23	0.1330	Y	5
Cobalt (Total)	mg/L	46	<0.01	<0.01	<0.01	<0.01	<0.01	Not applicable	No guideline
Cadmium (Total)	mg/L	46	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.002
Calcium (Total)	mg/L	50	22.0	19.75	13.6	36.3	31	Not applicable	No guideline
Chlorine Free	mg/L	252	0.50	0.26	<0.05	4.5	1.32	Y	5
Chlorine Total	mg/L	252	0.79	0.64	<0.05	6.10	2.01	Y	5
Chromium (Total)	mg/L	46	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.05
Copper (Total)	mg/L	46	0.01	0.01	<0.01	0.16	0.066	Y	1
Fluoride (Total)	mg/L	55	0.47	0.70	<0.1	0.90	0.80	Y	1.5
Iron (Total)	mg/L	46	0.070	0.03	<0.01	0.92	0.132	Y	0.3
Lead (Total)	mg/L	46	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.01
Magnesium (Total)	mg/L	50	8.17	7.1	1.00	23.7	19.595	Not applicable	No guideline
Manganese (Total)	mg/L	46	0.10	0.03	<0.01	0.34	0.2935	Y	0.1
Potassium (Total)	mg/L	46	2.20	2.10	0.90	3.90	3.58	Not applicable	No guideline
Nickel (Total)	mg/L	46	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.02
Nitrate as (NO <sub>3</sub> )	mg/L	60	0.40	0.40	<0.10	0.90	0.74	Y	50
Nitrite Nitrogen	mg/L	60	0.33	0.40	<0.10	0.40	0.40	Y	3
pH		55	7.8	7.8	7.1	9.00	8.53	Y	6.5 - 8.5
Sodium (Total)	mg/L	46	33.57	31.1	14	97.8	65.2	Y	180
Sulphate (S) <sub>4</sub> )	mg/L	30	13.92	13.92	13.92	13.92	13.92	Not applicable	No guideline
Zinc (Total)	mg/L	46	0.230	0.02	<0.01	1.69	1.366	Y	3

## Drinking water distribution system water quality Jimboomba district (continued)

Physical	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Apparent Colour	HU	55	2.92	2.6	0.4	16.8	5.29	Y	15
Conductivity	µS/cm	60	366.6	355.5	174.0	944.0	627.2	Not applicable	No guideline
Hardness	mg/L	60	92	72	48	173	154	Y	200
Total Dissolved Solids	mg/L	60	227	220	108	585	389	Y	500
Turbidity	NTU	60	0.50	0.40	0.10	5.50	0.93	Y	5
Microbiological	Units	Number of tests	Mean	Median	Minimum	Maximum	% Pass	Compliance with ADWG	ADWG value
<i>E.coli</i>	cfu/100mL	252	<1	<1	<1	<1	100%	Y	<1

### Comments

**AWDG** = National Health & Medical Research Council Australian Drinking Water Guidelines 2004

**mg/L** = Milligrams per Litre (or Parts per Million)

**HU** = Hazen Units

**NTU** = Nephelometric Turbidity Units

**mS/cm** = Millisiemens per Centimetre

**CFU/100mL** = Colony Forming Units per 100 Millilitres

95%ile = a statistical calculation used for calculating compliance with the ADWG value. In the context of this factsheet, it estimates the value for which 95% of all the water that passes through the distribution system in this 12 month period falls below.

Median = the number in the middle of a set of numbers; that is half the numbers have a value greater than or equal to the median, and half have a value less than or equal to the median.

Mean = the average value of the set of data.

**Results calculated on data collected between 1 July 2010 and 30 June 2011.**