

## Fact sheet

### Drinking water distribution system water quality Redlands district

Component	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Aluminium (Acid	mg/L	20	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.2
Arsenic (Total)	mg/L	20	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	Y	0.007
Boron (Total)	mg/L	20	<0.02	<0.02	<0.02	0.04	<0.02	Y	4
Cadmium (Total)	mg/L	20	<0.001	<0.001	<0.001	<0.001	<0.001	Y	0.002
Calcium (Total)	mg/L	20	22	22	15	28	25	Not applicable	No guideline
Chlorine Free	mg/L	2091	0.60	0.7	<0.1	1.5	1	Y	5
Chromium (Total)	mg/L	20	<0.001	<0.001	<0.001	<0.001	<0.001	Y	0.05
Copper (Total)	mg/L	20	<0.03	<0.03	<0.03	<0.03	<0.03	Y	1
Cyanide	mg/L	20	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.08
Fluoride (Total)	mg/L	102	0.72	0.8	0.19	1.08	0.94	Y	1.5
Iron (Total)	mg/L	20	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.3
Lead (Total)	mg/L	20	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.01
Magnesium (Total)	mg/L	20	1.80	1.3	1	3.8	3.6	Not applicable	No guideline
Manganese (Total)	mg/L	20	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.1
Mercury (Total)	mg/L	5	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	Y	0.001
Nickel (Total)	mg/L	20	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.02
Nitrate as (NO3)	mg/L	20	0.700	0.7	0.5	0.9	0.8	Y	50
pH		2090	7.4	7.6	6.5	8.4	7.4	Y	6.5 - 8.5
Sodium (Total)	mg/L	20	16	14	13	24	22	Y	180
Sulphate	mg/L	20	16	8	3	55	42	Y	250
Zinc (Total)	mg/L	20	<0.01	<0.01	<0.01	0.02	<0.01	Y	3

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

Physical	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Alkalinity	mg/L	20	43	49	19	59	59	Not applicable	No guideline
Conductivity	mS/cm	20	0.223	0.21	0.197	0.282	0.273	Not applicable	No guideline
Hardness	mg/L	20	61	61	53	83	67	Y	200
True Colour	HU	20	1	<1	<1	4	1	Y	15
Turbidity	NTU	906	0.2	0.2	0.1	3.1	0.4	Y	5
Disinfection By-products	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Total Trihalomethanes	mg/L	131	0.122	0.142	0.012	0.247	0.224	Y	0.25
Microbiological	Units	Number of tests	Mean	Median	Minimum	Maximum	% Pass	Compliance with ADWG	ADWG value
<i>E.coli</i>	cfu/100mL	665	<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.**