

# Fact sheet

## Drinking water distribution system water quality Logan district

Component	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Aluminium (Acid	mg/L	92	0.0200	0.02	<0.01	0.06	0.04	Y	0.2
Ammonia (as NH3)	mg/L	123	0.17	0.10	<0.1	0.40	0.305	Y	0.5
Arsenic (Total)	mg/L	92	<0.02	<0.02	<0.02	<0.02	<0.02	Y	0.007
Chloride (Cl)	mg/L	123	46.2	46	13	92	79.8	Not applicable	No guideline
Cobalt (Total)	mg/L	92	<0.01	<0.01	<0.01	<0.01	<0.01	Not applicable	No guideline
Cadmium (Total)	mg/L	92	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.002
Calcium (Total)	mg/L	92	26.2	24.1	15.1	44.5	40.32	Not applicable	No guideline
Chlorine Free	mg/L	567	0.08	0.03	<0.05	1.76	0.281	Y	5
Chlorine Total	mg/L	570	0.42	0.20	<0.05	2.50	1.547	Y	5
Chromium (Total)	mg/L	92	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.05
Copper (Total)	mg/L	92	0.0600	0.02	<0.01	0.95	0.127	Y	1
Fluoride (Total)	mg/L	123	0.75	0.80	0.50	0.90	0.80	Y	1.5
Iron (Total)	mg/L	92	0.030	0.02	<0.01	0.25	0.081	Y	0.3
Lead (Total)	mg/L	92	<0.01	<0.01	<0.01	0.039	<0.01	Y	0.01
Magnesium (Total)	mg/L	92	9.10	8.9	1	21.8	19.52	Not applicable	No guideline
Manganese (Total)	mg/L	92	0.0200	0.01	<0.01	0.05	0.047	Y	0.1
Potassium (Total)	mg/L	92	2.51	2.60	0.80	3.60	3.50	Not applicable	No guideline
Nickel (Total)	mg/L	92	<0.01	<0.01	<0.01	0.02	<0.01	Y	0.02
Nitrate as (NO3)	mg/L	123	0.53	0.50	<0.1	1.10	0.90	Y	50
Nitrite Nitrogen	mg/L	123	0.18	0.20	<0.1	0.40	0.30	Y	3
pH		123	7.7	7.6	7.3	8.5	8	Y	6.5 - 8.5
Sodium (Total)	mg/L	92	30.96	33.2	12.2	46.1	43.28	Y	180
Zinc (Total)	mg/L	92	0.160	0.02	<0.01	0.52	0.445	Y	3

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

Physical	Units	Number of tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG value
Apparent Colour	HU	123	2.54	2.5	0.3	7.18	3.5	Y	15
Conductivity	µS/cm	123	373.5	382.0	157.0	636.0	581.0	Not applicable	No guideline
Hardness	mg/L	123	104	100	48	200	178	Y	200
Total Dissolved Solids	mg/L	83.6	254	260	11	432	395	Y	500
Turbidity	NTU	123	0.33	0.30	0.15	1.20	0.60	Y	5
Microbiological	Units	Number of tests	Mean	Median	Minimum	Maximum	% Pass	Compliance with ADWG	ADWG value
<i>E.coli</i>	cfu/100mL	544	<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.**