

Fact sheet

Drinking water distribution system water quality

Gold Coast district - July 2009 to June 2010

Component	Units	Number of Tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG Value
Aluminium (Acid Soluble)	mg/L	284	0.027	0.024	<0.005	0.31	0.044	Y	0.2
Ammonia (as NH3)	mg/L	60	0.021	0.019	<0.006	0.058	0.051	Y	0.5
Arsenic (Total)	mg/L	56	<0.0003	<0.0003	<0.0003	0.0005	<0.0003	Y	0.007
Asbestos		15	N/A	N/A	ND	2 Detects	N/A	Not applicable	No guideline
Boron (Total)	mg/L	16	0.079	<0.03	<0.03	0.29	0.28	Y	4
Cadmium (Total)	mg/L	60	<0.001	<0.001	<0.001	<0.001	<0.001	Y	0.002
Chlorine Free	mg/L	1648	0.26	0.19	<0.05	1.6	0.7	Y	5
Chromium (Total)	mg/L	60	<0.001	<0.001	<0.001	<0.001	<0.001	Y	0.05
Copper (Total)	mg/L	60	0.0066	<0.005	<0.005	0.03	0.02	Y	1
Fluoride (Total)	mg/L	116	0.63	0.7	<0.1	0.9	0.9	Y	1.5
Iron (Total)	mg/L	60	0.012	<0.01	<0.01	0.09	0.0305	Y	0.3
Lead (Total)	mg/L	60	<0.005	<0.005	<0.005	0.006	<0.005	Y	0.01
Manganese (Total)	mg/L	1645	0.0015	<0.001	<0.001	0.24	0.004	Y	0.1
Mercury (Total)	mg/L	198	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	Y	0.001
Nickel (Total)	mg/L	60	<0.005	<0.005	<0.005	<0.005	<0.005	Y	0.02
Nitrate as (NO3)	mg/L	59	0.30	0.17	<0.03	1.3	0.98	Y	50
Nitrite Nitrogen	mg/L	56	<0.01	<0.01	<0.01	<0.01	<0.01	Y	3
pH		1648	7.6	7.6	7	9.2	8.4	Y	6.5 - 8.5
Sodium (Total)	mg/L	60	14	14	11	17	16	Y	180
Zinc (Total)	mg/L	60	0.03	<0.01	<0.01	0.46	0.28	Y	3

Drinking water distribution system water quality Gold Coast district - July 2009 to June 2010 (continued)

Physical	Units	Number of Tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG Value
Alkalinity	mg/L	103	44	44	31	61	53	Not applicable	No guideline
Conductivity	mS/cm	547	0.166	0.167	0.141	0.209	0.180	Not applicable	No guideline
Hardness	mg/L	47	45	44	38	58	52	Y	200
Total Dissolved Solids	mg/L	30	108	105	38	240	186	Y	500
True Colour	HU	1647	<2	2	<2	5	3	Y	15
Turbidity	NTU	1651	0.19	0.14	<0.1	5.1	0.46	Y	5
Organics	Units	Number of Tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG Value
Bis (2-Ethylhexyl) Phthalate	mg/L	15	<0.01	<0.01	<0.01	<0.01	<0.01	Y	0.01
Disinfection By-Products	Units	Number of Tests	Mean	Median	Minimum	Maximum	95%ile	Compliance with ADWG	ADWG Value
Total Trihalomethanes	mg/L	71	0.049	0.05	<0.005	0.086	0.069	Y	0.25
Microbiological	Units	Number of Tests	Mean	Median	Minimum	Maximum	% Pass	Compliance with ADWG	ADWG Value
E.coli	cfu/100mL	1646	<1	<1	<1	2	99.76%	Y	<1

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 percent 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 2009 and 30 June 2010.