

Chemical Analysis**Mt Crosby**

August 2007

Test Description		Units	MAX	MIN	MEAN	NHMRC*
pH			8.0	7.7	7.9	6.5-8.5
Conductivity	25 ^o C	uS/cm	543	522	532	
Total Dissolved Salts	est.	mg/L	348	334	341	
Alkalinity (Total)	as CaCO ₃	mg/L	106	102	104	
Colour (True)		PCU	1.4	0.5	1.1	15
Turbidity (Raw)		NTU	0.5	0.1	0.2	5
Langelier Index			0.0	-0.3	-0.1	
Calcium Hardness	as CaCO ₃	mg/L	57	55	56	
Magnesium Hardness	as CaCO ₃	mg/L	78	71	75	
Total Hardness	as CaCO ₃	mg/L	135	126	131	200
Aluminium	as Al	mg/L	0.051	0.043	0.047	0.2
Arsenic	as As	mg/L	NT	NT	NT	0.007
Barium	as Ba	mg/L	0.035	0.033	0.034	0.7
Cadmium	as Cd	mg/L	<0.001	<0.001	<0.001	0.002
Calcium	as Ca	mg/L	23	22	22	
Chloride	as Cl	mg/L	88	84	87	250
Chromium	as Cr	mg/L	<0.002	<0.002	<0.002	0.05
Copper	as Cu	mg/L	0.002	0.001	0.002	1
Iron	as Fe	mg/L	<0.01	<0.01	<0.01	0.3
Lead	as Pb	mg/L	<0.01	<0.01	<0.01	0.01
Magnesium	as Mg	mg/L	19	17	18	
Manganese	as Mn	mg/L	0.007	0.003	0.004	0.1
Mercury	as Hg	mg/L	NT	NT	NT	0.001
Nickel	as Ni	mg/L	<0.002	<0.002	<0.002	0.02
Orthophosphate	as P	mg/L	0.016	0.003	0.009	
Potassium	as K	mg/L	4.7	4.6	4.6	
Silica	as SiO ₂	mg/L	0.8	0.4	0.6	
Sodium	as Na	mg/L	49	46	48	180
Sulphur	as SO ₄	mg/L	24	21	22	250
Zinc	as Zn	mg/L	<0.001	<0.001	<0.001	3

* National Health & Medical Research Council's Australian Drinking Water Guidelines

**Values for aesthetics only, no health problems proven.

Where no limits are stated, these are not considered as hazardous to health.

Units abbreviation	Units
µS/cm	micro Siemens per centimetre
mg/L	milligrams per litre
PCU	Platinum colour unit
NTU	nephelometric turbidity unit

Brisbane Water: water quality results

North Pine

The North Pine Treatment plant is currently shut down.

Enoggera

August 2007

Test Description		Units	MAX	MIN	MEAN	NHMRC*
pH			7.8	7.4	7.7	6.5-8.5
Conductivity	25°C	uS/cm	240	179	221	
Total Dissolved Salts	est.	mg/L	154	114	141	
Alkalinity (Total)	as CaCO ₃	mg/L	42	39	41	
Colour (True)		PCU	2.4	0.8	1.4	15
Turbidity (Raw)		NTU	0.6	<0.1	0.3	5
Langelier Index			-0.9	-1.3	-1.1	
Calcium Hardness	as CaCO ₃	mg/L	21	20	21	
Magnesium Hardness	as CaCO ₃	mg/L	20	19	19	
Total Hardness	as CaCO ₃	mg/L	41	39	40	200
Aluminium	as Al	mg/L	0.051	0.012	0.023	0.2
Arsenic	as As	mg/L	NT	NT	NT	0.007
Barium	as Ba	mg/L	0.012	0.011	0.011	0.7
Cadmium	as Cd	mg/L	<0.001	<0.001	<0.001	0.002
Calcium	as Ca	mg/L	8.6	8.2	8.3	
Chloride	as Cl	mg/L	35	30	33	250
Chromium	as Cr	mg/L	<0.002	<0.002	<0.002	0.05
Copper	as Cu	mg/L	0.001	0.001	0.001	1
Iron	as Fe	mg/L	0.064	<0.01	0.018	0.3
Lead	as Pb	mg/L	<0.01	<0.01	<0.01	0.01
Magnesium	as Mg	mg/L	4.8	4.5	4.7	
Manganese	as Mn	mg/L	<0.001	<0.001	<0.001	0.1
Mercury	as Hg	mg/L	NT	NT	NT	0.001
Nickel	as Ni	mg/L	<0.002	<0.002	<0.002	0.02
Orthophosphate	as P	mg/L	0.011	0.005	0.009	
Potassium	as K	mg/L	3.1	3.0	3.0	
Silica	as SiO ₂	mg/L	2.8	2.5	2.7	
Sodium	as Na	mg/L	29	25	27	180
Sulphur	as SO ₄	mg/L	18	13	16	250
Zinc	as Zn	mg/L	<0.001	<0.001	<0.001	3

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