

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
Chemicals						
Conductivity ($\mu\text{S}/\text{cm}$ @ 25°C)			367.222	495.714	610.000	265.000
pH at 21°C		6.5 – 8.5	7.427	7.969	7.405	6.833
Total Hardness (mg CaCO_3/l)		<200	67.667	131.857	174.000	57.750
Total Diss. Solids* (mg/L)		<500	252.778	318.571	390.000	155.000
<u>Cations (mg/L)</u>						
Sodium (Na^+)		<180	50.167	58.571	58.000	26.750
Potassium (K^+)			5.889	2.157	1.750	3.375
Calcium (Ca^{++})			12.744	31.143	40.000	12.250
Magnesium (Mg^{++})			8.661	13.000	18.000	6.600
Hydrogen (H^+)			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO_3^-)			142.056	230.714	195.000	54.000
Carbonate* (CO_3^{--})			0.256	1.257	0.3000	0.000
Hydroxide* (OH^-)			0.000	0.000	0.000	0.000
Chloride* (Cl^-)		<250	29.056	20.714	52.500	34.500
Fluoride (F^-)	<1.5		0.152	0.107	0.120	0.073
Nitrate (NO_3^-)	<50		9.178	22.286	26.500	0.290
Sulphate (SO_4^{--})	<500	<250	16.833	18.286	44.500	29.250
Heavy Metals						
<u>Other Dissolved Elements** (mg/L)</u>						
Aluminium (Al)		<0.2	<0.0130	<0.0003	<0.0030	0.0380
Arsenic (As)	<0.007		0.0007	0.0006	0.0005	0.0005
Boron (B)	<0.4		0.0560	0.0430	0.0500	0.0300
Cadmium (Cd)	<0.002		<0.0001	<0.0001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0002	0.0001	<0.0001	<0.0001
Copper (Cu)	<2	<1	0.0180	0.0050	0.0060	0.0015
Iron (Fe)		<0.3	0.0181	<0.0050	<0.0340	0.0133
Lead (Pb)	<0.01		0.0007	<0.0002	<0.0009	<0.0003
Manganese (Mn)	<0.5	<0.1	0.0125	<0.0001	0.0014	0.0040
Nickel (Ni)	<0.02		0.0016	0.0005	0.0008	0.0003
Zinc (Zn)		<3	0.032	0.0030	0.0060	0.0050
Remarks:			Complies with NHMRC Drinking Water Guidelines	Complies with NHMRC Drinking Water Guidelines	Complies with NHMRC Drinking Water Guidelines	Complies with NHMRC Drinking Water Guidelines

Note: *Parameter is derived from calculation