

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
Chemicals						
Conductivity ($\mu\text{S}/\text{cm}$ @ 25°C)			439.556	415.000	616.667	200.000
pH at 21°C		6.5 – 8.5	7.055	7.558	7.297	7.330
Total Hardness (mg CaCO_3/l)		<200	105.267	109.500	181.667	36.500
Total Diss. Solids* (mg/L)		<500	296.222	266.667	400.000	122.500
<u>Cations (mg/L)</u>						
Sodium (Na^+)		<180	50.778	48.833	56.667	22.000
Potassium (K^+)			4.824	1.717	2.167	2.500
Calcium (Ca^{++})			20.467	26.500	42.667	8.625
Magnesium (Mg^{++})			13.162	25.017	18.333	4.275
Hydrogen (H^+)			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO_3^-)			170.294	202.667	168.667	30.750
Carbonate* (CO_3^{--})			0.127	0.417	0.200	0.000
Hydroxide* (OH^-)			0.000	0.000	0.000	0.000
Chloride* (Cl^-)		<250	27.289	18.200	47.667	22.750
Fluoride (F^-)	<1.5		0.123	0.128	0.110	0.048
Nitrate (NO_3^-)	<50		21.089	14.500	28.667	0.845
Sulphate (SO_4^{--})	<500	<250	22.422	12.000	72.667	30.250
Heavy Metals						
<u>Other Dissolved Elements** (mg/L)</u>						
Aluminium (Al)		<0.2	<0.0030	0.0240	<0.0030	0.1800
Arsenic (As)	<0.007		0.0005	0.0005	0.0003	0.0003
Boron (B)	<0.4		0.0549	0.0367	0.0400	0.0200
Cadmium (Cd)	<0.002		<0.0001	0.2001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0004	0.0016	<0.0001	0.0001
Copper (Cu)	<2	<1	0.0802	0.0030	0.0080	0.0023
Iron (Fe)		<0.3	<0.0050	0.0137	0.0140	0.0188
Lead (Pb)	<0.01		0.0005	0.0002	0.0004	0.0002
Manganese (Mn)	<0.5	<0.1	0.0004	0.0001	0.0002	0.0048
Nickel (Ni)	<0.02		0.0004	0.0002	0.0010	0.0004
Zinc (Zn)		<3	0.0135	0.0023	0.0143	0.0083
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