

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
Chemicals						
Conductivity ($\mu\text{S}/\text{cm}$ @ 25°C)			414.211	521.667	570.000	250.000
pH at 21°C		6.5 – 8.5	7.044	7.490	7.124	7.198
Total Hardness (mg CaCO_3/l)		<200	98.474	142.167	161.800	49.500
Total Diss. Solids* (mg/L)		<500	281.053	338.333	368.000	150.000
<u>Cations (mg/L)</u>						
Sodium (Na^+)		<180	47.684	63.500	54.000	28.500
Potassium (K^+)			4.747	2.067	1.980	2.200
Calcium (Ca^{++})			19.158	34.167	38.200	12.000
Magnesium (Mg^{++})			12.384	13.833	16.200	5.075
Hydrogen (H^+)			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO_3^-)			160.789	257.333	173.200	54.500
Carbonate* (CO_3^{--})			0.137	0.467	0.120	0.050
Hydroxide* (OH^-)			0.000	0.000	0.000	0.000
Chloride* (Cl^-)		<250	26.158	20.667	48.800	31.500
Fluoride (F^-)	<1.5		0.117	0.122	0.106	0.070
Nitrate (NO_3^-)	<50		19.789	22.500	25.600	0.175
Sulphate (SO_4^{--})	<500	<250	20.632	16.667	48.400	24.000
Heavy Metals						
<u>Other Dissolved Elements** (mg/L)</u>						
Aluminium (Al)		<0.2	<0.0030	0.0030	<0.0030	0.0468
Arsenic (As)	<0.007		0.0004	0.0006	0.0004	0.0003
Boron (B)	<0.4		0.0542	0.0467	0.0400	0.0200
Cadmium (Cd)	<0.002		<0.0001	<0.0001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0004	0.0003	<0.0001	0.0001
Copper (Cu)	<2	<1	0.0391	0.0147	0.0190	0.0030
Iron (Fe)		<0.3	<0.0050	0.0050	0.0090	0.0100
Lead (Pb)	<0.01		0.0007	0.0003	0.0010	0.0004
Manganese (Mn)	<0.5	<0.1	0.0006	0.0002	0.0002	0.0031
Nickel (Ni)	<0.02		0.0010	0.0004	0.0011	0.0003
Zinc (Zn)		<3	0.0217	0.0133	0.0257	0.0093
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