

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
Chemicals						
Conductivity ($\mu\text{S}/\text{cm}$ @ 25°C)			460.526	501.429	615.000	205.000
pH at 21°C		6.5 – 8.5	7.098	7.701	7.293	6.920
Total Hardness (mg CaCO_3/l)		<200	112.632	131.286	178.500	37.250
Total Diss. Solids* (mg/L)		<500	306.842	322.857	397.500	127.500
<u>Cations (mg/L)</u>						
Sodium (Na^+)		<180	52.000	58.429	54.750	23.750
Potassium (K^+)			3.911	2.114	2.050	2.275
Calcium (Ca^{++})			22.789	31.000	42.750	8.600
Magnesium (Mg^{++})			13.421	13.143	17.250	3.850
Hydrogen (H^+)			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO_3^-)			183.842	238.143	167.750	42.000
Carbonate* (CO_3^{--})			0.153	0.814	0.175	0.000
Hydroxide* (OH^-)			0.000	0.000	0.000	0.000
Chloride* (Cl^-)		<250	26.737	20.571	47.750	21.000
Fluoride (F^-)	<1.5		0.131	0.107	0.093	0.048
Nitrate (NO_3^-)	<50		23.368	25.714	31.500	0.355
Sulphate (SO_4^{--})	<500	<250	23.789	16.286	68.750	29.750
Heavy Metals						
<u>Other Dissolved Elements** (mg/L)</u>						
Aluminium (Al)		<0.2	<0.0036	<0.0030	<0.0040	0.0678
Arsenic (As)	<0.007		0.0005	0.0006	0.0004	0.0002
Boron (B)	<0.4		0.0610	0.0410	0.0400	0.0200
Cadmium (Cd)	<0.002		<0.0001	<0.0001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0003	<0.0004	0.0001	<0.0001
Copper (Cu)	<2	<1	0.0315	0.0200	0.0086	<0.0017
Iron (Fe)		<0.3	0.0176	<0.0050	<0.0195	0.0165
Lead (Pb)	<0.01		<0.0007	0.0003	<0.0009	<0.0002
Manganese (Mn)	<0.5	<0.1	0.0024	<0.0002	0.0014	0.0092
Nickel (Ni)	<0.02		0.0004	0.0004	0.0015	0.0002
Zinc (Zn)		<3	0.0152	0.0040	0.0200	0.0065
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