

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
<b>Chemicals</b>						
Conductivity ( $\mu\text{S}/\text{cm}$ @ 25°C)			413.750	483.000	610.000	300.000
pH at 21°C		6.5 – 8.5	7.411	7.693	7.160	7.223
Total Hardness (mg CaCO <sub>3</sub> /l)		<200	86.500	126.667	174.000	68.667
Total Diss. Solids* (mg/L)		<500	278.750	310.000	400.000	176.667
<u>Cations (mg/L)</u>						
Sodium (Na <sup>+</sup> )		<180	53.250	57.333	57.000	30.000
Potassium (K <sup>+</sup> )			6.038	1.900	1.800	2.000
Calcium (Ca <sup>++</sup> )			17.950	30.333	40.000	15.667
Magnesium (Mg <sup>++</sup> )			10.213	12.333	18.000	7.200
Hydrogen (H <sup>+</sup> )			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO <sub>3</sub> <sup>-</sup> )			164.250	229.000	167.000	61.333
Carbonate* (CO <sub>3</sub> <sup>--</sup> )			0.375	0.700	0.200	0.100
Hydroxide* (OH <sup>-</sup> )			0.000	0.000	0.000	0.000
Chloride* (Cl <sup>-</sup> )		<250	30.375	20.667	54.000	50.667
Fluoride (F <sup>-</sup> )	<1.5		0.149	0.113	0.100	0.073
Nitrate (NO <sub>3</sub> <sup>-</sup> )	<50		12.450	22.667	36.000	0.193
Sulphate (SO <sub>4</sub> <sup>--</sup> )	<500	<250	19.125	15.333	63.000	19.000
<b>Heavy Metals</b>						
<u>Other Dissolved Elements** (mg/L)</u>						
Aluminium (Al)		<0.2	<0.0141	<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	0.0400	0.0200
Cadmium (Cd)	<0.002		<0.0001	<0.0001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0003	0.0002	<0.0001	<0.0001
Copper (Cu)	<2	<1	0.0222	0.0040	0.0060	0.0015
Iron (Fe)		<0.3	0.0176	<0.0050	<0.0470	0.0133
Lead (Pb)	<0.01		0.0007	0.0002	<0.0012	<0.0003
Manganese (Mn)	<0.5	<0.1	0.0124	<0.0001	0.0020	0.0040
Nickel (Ni)	<0.02		0.0012	0.0002	0.0008	0.0003
Zinc (Zn)		<3	<0.0298	0.0030	0.0060	0.0050
<b>Remarks:</b>			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**