

	Guidelines		Average			
	Health	Aesthetic	Ayr / Brandon	Home Hill	Mt. Kelly	Giru
Chemicals						
Conductivity ($\mu\text{S/cm}$ @ 25°C)			448.235	415.000	650.000	200.000
pH at 21°C		6.5 – 8.5	7.081	7.558	7.110	7.330
Total Hardness (mg CaCO ₃ /l)		<200	106.882	109.500	196.000	36.500
Total Diss. Solids* (mg/L)		<500	300.588	266.667	420.000	122.500
<u>Cations (mg/L)</u>						
Sodium (Na ⁺)		<180	51.471	48.833	58.000	22.000
Potassium (K ⁺)			5.282	1.717	2.400	2.500
Calcium (Ca ⁺⁺)			20.235	26.500	47.000	8.625
Magnesium (Mg ⁺⁺)			13.647	25.017	19.000	4.275
Hydrogen (H ⁺)			0.000	0.000	0.000	0.000
<u>Anions</u>						
Bicarbonate* (HCO ₃ ⁻)			170.294	202.667	171.000	30.750
Carbonate* (CO ₃ ⁻)			0.118	0.417	0.100	0.000
Hydroxide* (OH ⁻)			0.000	0.000	0.000	0.000
Chloride* (Cl ⁻)		<250	29.235	18.333	50.000	22.750
Fluoride (F ⁻)	<1.5		0.113	0.128	0.110	0.048
Nitrate (NO ₃ ⁻)	<50		22.529	14.500	27.000	0.845
Sulphate (SO ₄ ⁻)	<500	<250	23.000	12.000	84.000	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	0.0004	0.0003
Boron (B)	<0.4		0.0529	0.0367	0.0400	0.0200
Cadmium (Cd)	<0.002		<0.0001	0.0001	<0.0001	<0.0001
Chromium (Cr)	<0.05		0.0004	0.0016	<0.0001	0.0001
Copper (Cu)	<2	<1	0.0868	0.0030	0.0190	0.0023
Iron (Fe)		<0.3	<0.0050	0.0137	0.0090	0.0188
Lead (Pb)	<0.01		0.0005	0.0002	0.0010	0.0002
Manganese (Mn)	<0.5	<0.1	0.0004	0.0001	0.0002	0.0048
Nickel (Ni)	<0.02		0.0004	0.0003	0.0011	0.0004
Zinc (Zn)		<3	0.0115	0.0023	0.0257	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