

CENTRAL TABLELANDS WATER - WATER ANALYSIS 2011-2012

Program: Drinking Water Program Date Range: 01-07-2011 - 30-06-2012 Water Utility: Central Tablelands Water AHS: Greater Western PHU				Sample Types: All Laboratory: ICPMR-DAL Laboratory - NATA Accredited Laboratory Number 3189 Sample Count: 2544								
Summary Report												
Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Aluminium	0.2000	mg/L	0.0103	0.0050	0.0101	0.005	0.04	17	0	0.04	0.005	100.00
Antimony	0.0030	mg/L	0.0005	0.0005	0.0000	0.0005	0.0005	17	0	0.0005	0.0005	100.00
Arsenic	0.0100	mg/L	0.0011	0.0010	0.0008	0.0005	0.003	17	0	0.003	0.0005	100.00
Barium	2.0000	mg/L	0.0226	0.0170	0.0146	0.011	0.053	17	0	0.053	0.011	100.00
Boron	4.0000	mg/L	0.0594	0.0500	0.0202	0.05	0.1	17	0	0.1	0.05	100.00
Cadmium	0.0020	mg/L	0.0006	0.0003	0.0015	0.00025	0.0061	17	1	0.0061	0.00025	93.75
Calcium	10000.0000	mg/L	16.5000	12.0000	9.7457	11	37.7	17	0	37.7	11	100.00
Chloride	250.0000	mg/L	52.8125	22.5000	65.9467	19	188	17	0	188	19	100.00
Chromium	0.0500	mg/L	0.0025	0.0025	0.0000	0.0025	0.0025	17	0	0.0025	0.0025	100.00
Copper	2.0000	mg/L	0.0067	0.0075	0.0031	0.0025	0.012	17	0	0.012	0.0025	100.00
Fluoride	1.5000	mg/L	0.9175	0.9700	0.1264	0.63	1.02	28	0	1.02	0.63	100.00
Fluoride (WU result)	1.5000	mg/L	0.9708	0.9700	0.0425	0.91	1.06	25	0	1.06	0.91	100.00
Fluoride Ratio	0.8 - 1.2		0.9977	1.0100	0.0390	0.92	1.04	26	0	1.04	0.92	100.00
Iodide	0.5000	mg/L	0.1750	0.1750	0.0919	0.11	0.24	2	0	0.24	0.11	100.00
Iodine	0.5000	mg/L	0.0750	0.0200	0.1243	0.01	0.37	17	0	0.37	0.01	100.00
Iron	0.3000	mg/L	0.0122	0.0100	0.0141	0.005	0.06	17	0	0.06	0.005	100.00
Lead	0.0100	mg/L	0.0010	0.0010	0.0000	0.001	0.001	17	0	0.001	0.001	100.00
Magnesium	10000.0000	mg/L	11.2206	7.4050	8.4385	6.6	29.93	17	0	29.93	6.6	100.00
Manganese	0.5000	mg/L	0.0030	0.0025	0.0010	0.0025	0.005	17	0	0.005	0.0025	100.00
Mercury	0.0010	mg/L	0.0001	0.0001	0.0000	0.00005	0.0001	17	0	0.0001	0.00005	100.00
Molybdenum	0.0500	mg/L	0.0025	0.0025	0.0000	0.0025	0.0025	17	0	0.0025	0.0025	100.00
Nickel	0.0200	mg/L	0.0050	0.0050	0.0000	0.005	0.005	17	0	0.005	0.005	100.00
Nitrate	50.0000	mg/L	0.6875	0.5000	0.2500	0.5	1	17	0	1	0.5	100.00
Nitrite	3.0000	mg/L	0.0500	0.0500	0.0000	0.05	0.05	17	0	0.05	0.05	100.00
pH	6.5 - 8.5		7.6875	7.7000	0.2363	7.3	8.1	17	0	8.1	7.3	100.00
Selenium	0.0100	mg/L	0.0011	0.0010	0.0002	0.001	0.002	17	0	0.002	0.001	100.00
Silver	0.1000	mg/L	0.0010	0.0010	0.0000	0.001	0.001	17	0	0.001	0.001	100.00
Sodium	180.0000	mg/L	40.0625	16.0000	54.9260	11	162	17	0	162	11	100.00
Sulfate	500.0000	mg/L	12.2500	3.0000	20.7284	2	55	17	0	55	2	100.00
Total Dissolved Solids (TDS)	600.0000	mg/L	190.0000	104.0000	188.7672	93	574	17	0	574	93	100.00
Total Hardness as CaCO3	200.0000	mg/L	87.4063	60.6500	59.0312	54.6	217.3	17	2	217.3	54.6	87.50
True Colour	15.0000	Hazen Units (HU)	2.3750	3.0000	1.2450	0.5	4	17	0	4	0.5	100.00
Turbidity	5.0000	NTU	0.3000	0.3000	0.2025	0.05	0.7	17	0	0.7	0.05	100.00
Zinc	3.0000	mg/L	0.0109	0.0100	0.0058	0.005	0.02	17	0	0.02	0.005	100.00
Fluoride (daily WU)	0.9 - 1.5	mg/L	0.9901	0.9900	0.0555	0.64	1.1	550	1	1.08	0.91	99.82
Fluoride (weekly WU)	0.9 - 1.5	mg/L	0.9770	0.9700	0.0521	0.89	1.1	153	1	1.07	0.9	99.35
E. coli	0.0000	cfu/100 mL	0.0000	0.0000	0.0000	0	0	213	0	0	0	100.00
Free Chlorine	5.0000	mg/L	0.4829	0.5000	0.1471	0.04	1.2	206	0	0.67	0.21	100.00
pH	6.5 - 8.5		7.4222	7.4100	0.1755	7	7.97	206	0	7.71	7.13	100.00
Total Chlorine	5.0000	mg/L	0.7075	0.7300	0.1720	0.32	1.38	206	0	0.93	0.4	100.00
Total Coliforms	0.0000	cfu/100 mL	0.2488	0.0000	3.2994	0	48	213	3	0	0	98.59
Turbidity	5.0000	NTU	0.3523	0.3600	0.0905	0.13	0.59	206	0	0.49	0.19	100.00