

**CITY OF LAKELAND
WATER UTILITIES
COMBEE WATER TREATMENT PLANT
CHEMICAL ANALYSIS YEARLY AVERAGE 2009**

<u>Parameter</u>	<u>Raw Water</u>	<u>Finished Water</u>
Total Hardness (as CaCO ₃)	208	109
Calcium Hardness (as CaCO ₃)	164	74
Magnesium Hardness (as CaCO ₃)	44	36
P. Alkalinity (as CaCO ₃)	-	0
Total Alkalinity (as CaCO ₃)	205	101
Free Chlorine	-	1.56
Total Chlorine	-	1.72
Chlorides	18.1	21.5
Ammonia (as N)	0.15	0.02
Turbidity (NTU)	0.64	0.08
Color (Units)	11	2
Temperature (° C)(Lab)	25.1	24.1
pH (Units)	7.51	8.07
Sulfide	0.8	0.0
Iron	0.194	0.003
Fluoride	0.29	0.81
Phosphate (as P)	-	0.05
Silica	-	19.0
Sulfate	0	0.0
Total Dissolved Solids	253	156
Nitrate (as N)	-	0.01
Specific Conductance (µmhos/cm)	-	248
Saturation Index	-	0.11

Results in milligrams/Liter except as noted