

WATER QUALITIES OF THE WEST COAST DISTRICT MUNICIPALITY
WITHOOGTE BULK WATER SUPPLY SYSTEM



WATER SUPPLY

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Date 23 July 2018	Unit	Withoogte Raw Water	SANS 241:2015 Standard	Withoogte Final Water
pH	pH units	7.66	≥ 5 to ≤ 9.7	8.08
Colour	(mg/l Pt)	-	≤ 15	6
Turbidity	(NTU)	28.4	< 1	0.66
Electrical conductivity	(mS/m)	112	≤ 170	101
Total dissolved solids	(mg/l)	739.2	≤ 1200	666.6
Total alkalinity	(mg/l as CaCO ₃)	52	None	58
Chlorides	(mg/l)	441	≤ 300	388
Total hardness	(mg/l as CaCO ₃)	368	None	384
Calcium hardness	(mg/l as CaCO ₃)	137	None	161
Magnesium hardness	(mg/l as CaCO ₃)	231	None	223
Langelier index	None	-	None	-0.03
Iron	(µg/l)	-	≤ 300	-
Manganese	(µg/l)	-	≤ 100	-
Aluminium	(µg/l)	-	≤ 300	-
Fluoride	(mg/l)	-	≤ 1.5	-
Sodium	(mg/l)	-	≤ 200	-
E. coli	Count/100ml	-	0	0
Total Coliforms	Count/100ml	-	≤10	0
Heterotrophic plate counts	Count/ml	-	≤1000	0