

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



**WATER SUPPLY**

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<b>28 September 2017</b>	<b>Unit</b>	<b>Withoogte Raw Water</b>	<b>SANS 241:2015 Standard</b>	<b>Withoogte Final Water</b>
pH	pH units	7.90	≥ 5 to ≤ 9.7	8.00
Colour	(mg/l Pt)	-	≤ 15	2
Turbidity	(NTU)	18.5	< 1	0.59
Electrical conductivity	(mS/m)	48	≤ 170	49
Total dissolved solids	(mg/l)	316.8	≤ 1200	323.4
Total alkalinity	(mg/l as CaCO <sub>3</sub> )	46	None	50
Chlorides	(mg/l)	103	≤ 300	107
Total hardness	(mg/l as CaCO <sub>3</sub> )	158	None	174
Calcium hardness	(mg/l as CaCO <sub>3</sub> )	67	None	79
Magnesium hardness	(mg/l as CaCO <sub>3</sub> )	91	None	95
Langelier index	None	-	None	-0.35
Free chlorine	(mg/l)	-	≤ 5	0.20
Manganese	(µg/l)	-	≤ 100	0
Aluminium	(µg/l)	-	≤ 300	0
Iron	(µg/l)	-	≤ 300	0
Sodium	(mg/l)	98.3	≤ 200	108
E. coli	Count/100ml	-	0	0
Total Coliforms	Count/100ml	-	≤ 10	0
Heterotrophic plate counts	Count/ml	-	≤ 1000	0