

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



WATER SUPPLY

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Date 23 July 2018	Unit	Swartland Raw Water	SANS 241:2015 Standard	Swartland Final Water
pH	pH units	7.38	≥ 5 to ≤ 9.7	9.54
Colour	(mg/l Pt)	-	≤ 15	2
Turbidity	(NTU)	62.6	< 1	0.42
Electrical conductivity	(mS/m)	9	≤ 170	11
Total dissolved solids	(mg/l)	59.4	≤ 1200	72.6
Total alkalinity	(mg/l as CaCO ₃)	14	None	24
Chlorides	(mg/l)	24.0	≤ 300	28.6
Total hardness	(mg/l as CaCO ₃)	50	None	60
Calcium hardness	(mg/l as CaCO ₃)	16	None	28
Magnesium hardness	(mg/l as CaCO ₃)	34	None	32
Langelier index	None	-	None	0.48
Iron	(µg/l)	-	≤ 300	-
Manganese	(µg/l)	-	≤ 100	-
Aluminium	(µg/l)	-	≤ 300	-
Sodium	(mg/l)	-	≤ 200	-
E. coli	Count/100ml	-	0	0
Total Coliforms	Count/100ml	-	≤10	0
Heterotrophic plate counts	Count/ml	-	≤1000	0