

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



WATER SUPPLY

Posbus / P O Box 242
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26 September 2017	Unit	Swartland Raw Water	SANS 241:2015 Standard	Swartland Final Water
pH	pH units	7.21	≥ 5 to ≤ 9.7	9.18
Colour	(mg/l Pt)	-	≤ 15	3
Turbidity	(NTU)	88.9	< 1	0.96
Electrical conductivity	(mS/m)	11	≤ 170	12
Total dissolved solids	(mg/l)	72.6	≤ 1200	79.2
Total alkalinity	(mg/l as CaCO ₃)	18	None	27
Chlorides	(mg/l)	28.0	≤ 300	26.1
Total hardness	(mg/l as CaCO ₃)	48	None	72
Calcium hardness	(mg/l as CaCO ₃)	12	None	30
Magnesium hardness	(mg/l as CaCO ₃)	36	None	42
Langelier index	None	-	None	0.03
Free chlorine	(mg/l)	-	≤ 5	0.54
Manganese	(µg/l)	-	≤ 100	0
Aluminium	(µg/l)	-	≤ 300	0
Iron	(µg/l)	-	≤ 300	0
Sodium	(mg/l)	29.8	≤ 200	32.0
E. coli	Count/100ml	-	0	0
Total Coliforms	Count/100ml	-	≤ 10	0
Heterotrophic plate counts	Count/ml	-	≤ 1000	0