

Springsmire Water Quality Zone (SP)								
Schedule 1 Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	79	0	0	<1.0	<1.0	1
Turbidity	FTU	4	79	0	0	<0.1	0.11	0.51
Odour	Dil Number	0	79	0	0	0	0	0
Taste	Dil Number	0	79	0	0	0	0	0
Sodium	mg/l	200	10	0	0	20.7	25.94	28.1
Nitrate (as NO3)	mg/l	50	10	0	0	26.8	35.09	36.9
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.0060	<0.0060	<0.0060
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.54	0.70	0.74
Aluminium	ug/l	200	80	0	0	<5	6.0	15.7
Iron	ug/l	200	80	0	0	<4.0	14.01	87
Manganese	ug/l	50	80	0	0	<0.9	1.21	5.8
Copper	mg/l	2	10	0	0	<0.004	0.048	0.165
Fluoride	mg/l	1.5	10	0	0	0.23	0.87	0.98
Arsenic	ug/l	10	10	0	0	0.5	0.7	0.8
Cadmium	ug/l	5	10	0	0	<0.060	0.093	0.19
Chromium	ug/l	50	10	0	0	<0.30	<0.30	<0.30
Nickel	ug/l	20	10	0	0	1	1.23	1.5
Lead	ug/l	10	10	0	0	<0.5	1.05	5.9
Antimony	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Selenium	ug/l	10	10	0	0	<0.4	0.51	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	216	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.06	0.07	0.08
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	8.8	18.12	46.6
Bromate	ug/l	10	10	0	0	<0.4	<0.4	<0.4

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	79	0	0	6.9	7.19	7.4
Sulphate (as SO4)	mg/l	250	10	0	0	45	48.71	51.8
Ammonium (as NH4)	mg/l	0.5	79	0	0	<0.04	<0.04	0.06
Total coliforms	No./100ml	0	216	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	79	0	0	0	0.41	7
Free chlorine	mg/l	-	216	0	0	0.03	0.22	0.52
Total chlorine	mg/l	-	216	0	0	0.13	0.29	0.55
Conductivity	uS/cm	2500	79	0	0	429	506.66	541
Chloride	mg/l	250	10	0	0	44	50.7	54

* All of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l