

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	78	0	0	<1.70	<1.70	2
Turbidity	FTU	1	78	0	0	0.1	0.10	0.16
Odour	Dil Number	0	78	0	0	0	0	0
Taste	Dil Number	0	78	0	0	0	0	0
Sodium	mg/l	200	8	0	0	21.2	27.78	36.3
Nitrate (as NO ₃)	mg/l	50	8	0	0	19.1	28.25	37.1
Nitrite (as NO ₂)	mg/l	0.1	8	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite Ratio	mg/l	1	8	0	0	0.38	0.57	0.74
Aluminium	ug/l	-	78	0	0	5	7.86	83
Iron	ug/l	200	78	0	0	<4.00	10.97	128
Manganese	ug/l	50	78	0	0	0.9	1.41	18.9
Copper	mg/l	2	8	0	0	0.005	0.048	0.173
Fluoride	ug/l	1500	8	0	0	0.86	0.97	1.04
Arsenic	ug/l	10	8	0	0	0.5	0.6	0.7
Cadmium	ug/l	5	8	0	0	<0.10	<0.10	0.15
Chromium	ug/l	50	8	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	8	0	0	<0.80	2.86	15.3
Lead	ug/l	10	8	0	0	0.5	0.86	2.4
Antimony	ug/l	5	8	0	0	<0.10	<0.10	0.1
Selenium	ug/l	10	8	0	0	0.4	0.48	0.7
PAH	ug/l	0.1	9	0	0	0	0.0015	0.01
Escherichia coli	No./100ml	0	211	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	8	0	0	0	0	0
Boron	mg/l	1	8	0	0	0.05	0.06	0.08
Benzo(a)pyrene	ug/l	0.01	9	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	2.1	15.21	29.9
Bromate	ug/l	10	8	0	0	<0.50	0.91	3.6

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	78	0	0	6.7	7.23	7.9
Sulphate (as SO ₄)	mg/l	250	8	0	0	31.5	41.9	52.7
Ammonium (as NH ₄)	mg/l	0.5	78	0	0	0.04	0.04	0.04
Total coliforms	No./100ml	0	211	0	0	0	0	0
Free chlorine	mg/l	-	216	0	0	0.05	0.24	0.68
Total chlorine	mg/l	-	216	0	0	0.11	0.33	0.78
Conductivity	uS/cm	2500	78	0	0	181	468.91	570
Chloride	mg/l	250	8	0	0	45	51.63	59

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