

Barr Beacon Water Quality Zone (BB)								
Schedule 1 Parameters								
	Units	PCV	Number of Samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Min	Mean	Max
Colour	mg/l Pt/Co	20	78	0	0	<1.00	1.80	4
Turbidity	FTU	4	78	0	0	<0.1	0.11	0.26
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	13.8	29.16	109
Nitrate (as NO3)	mg/l	50	10	0	0	14.6	22.4	37.2
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.006	<0.006	<0.006
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.294	0.45	0.746
Aluminium	ug/l	200	78	0	0	<5.0	12.57	36
Iron	ug/l	200	78	0	0	<4.0	12.2	45.7
Manganese	ug/l	50	78	0	0	<0.9	1.77	5
Copper	mg/l	2	10	0	0	<0.004	0.086	0.287
Fluoride	mg/l	1.5	10	0	0	0.58	0.94	1.03
Arsenic	ug/l	10	10	0	0	<0.5	0.68	0.9
Cadmium	ug/l	5	10	0	0	<0.060	<0.060	<0.060
Chromium	ug/l	50	10	0	0	<0.3	0.3	0.5
Nickel	ug/l	20	10	0	0	<0.3	0.77	1.4
Lead	ug/l	10	10	0	0	<0.5	0.86	2.2
Antimony	ug/l	5	10	0	0	<0.1	0.31	0.7
Selenium	ug/l	10	10	0	0	0.4	0.47	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	252	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.05	0.065	0.084
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	6.9	54.4	84.6
Bromate	ug/l	10	10	0	0	<0.4	0.86	2.6

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	78	0	0	6.9	7.3	8
Sulphate (as SO4)	mg/l	250	10	0	0	18.6	44.76	62.2
Ammonium (as NH4)	mg/l	0.5	78	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	252	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	100	78	0	0	0	2.2	49
Free chlorine	mg/l	-	252	0	0	0.03	0.16	0.49
Total chlorine	mg/l	-	252	0	0	0.08	0.30	0.78
Conductivity	uS/cm	2500	78	0	0	339	484.9	577
Chloride	mg/l	250	10	0	0	45	55.4	66

* 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