

Barr Beacon North Water Quality Zone (BBN)

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	53	0	0	2.00	2.62	3.00
Turbidity	FTU	4	53	0	0	0.12	0.13	0.25
Odour (quantitative)	Dil Number	0	53	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	53	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	14.80	18.46	26.20
Nitrate (as NO3)	mg/l	50	8	0	0	11.90	17.19	31.40
Nitrite (as NO2)	mg/l	0.1	8	0	0	<0.01	0.01	0.01
Nitrate/Nitrite Ratio	mg/l	1	8	0	0	0.24	0.34	0.63
Aluminium	ug/l	200	53	0	0	6.10	9.34	43.70
Iron	ug/l	200	53	0	0	7.30	11.24	41.80
Manganese	ug/l	50	53	0	0	1.70	1.92	9.10
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.04	0.23
Fluoride	mg/l	1.5	8	0	0	0.17	0.77	1.09
Arsenic (New Regs Limit)	ug/l	10	8	0	0	1.00	1.00	1.00
Cadmium	ug/l	5	8	0	0	0.12	0.12	0.12
Chromium	ug/l	50	8	0	0	1.00	1.00	1.00
Nickel (New Reg Limit)	ug/l	20	8	0	0	0.90	0.96	1.20
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	0.99	1.60
Antimony (New Reg Limit)	ug/l	5	8	0	0	0.20	0.35	0.50
Selenium	ug/l	10	8	0	0	0.80	0.80	0.80
PAH	ug/l	0.1	8	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	132	0	0	0.00	0.00	0.00
Intestinal Enterococci	cfu/100ml	0	8	0	0	0.00	0.00	0.00
Boron (New Reg Limit)	mg/l	1	8	0	0	0.04	0.06	0.07
Benzo(a)pyrene	ug/l	0.01	8	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	9	0	0	13.00	46.87	64.60
Bromate	ug/l	10	8	0	0	0.80	0.91	1.20

Indicator Parameters

	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH (New Reg Limit) Env		-	53	0	0	7.10	7.32	7.80
Sulphate (as SO4)	mg/l	250	8	0	0	14.00	42.44	65.00
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.02	0.02	0.12
Total coliforms	No./100ml	0	132	0	0	0.00	0.00	0.00
3 day count,22 deg C	cfu/ml	50	53	0	0	0.00	1.11	42.00
Free chlorine	mg/l	-	132	0	0	0.03	0.18	0.77
Total chlorine	mg/l	-	132	0	0	0.05	0.35	1.00
Conductivity	uS/cm	2500	53	0	0	259.00	453.68	575.00
Chloride	mg/l	250	8	0	0	37.00	50.75	80.00

* All of the samples collected from this zone in 2025 complied with the Water Supply (Water Quality) (Amendment) Regulations 2016. Supplies to this zone are fluoridated up to a level of 1.5 mg/l