

Barr Beacon South West Water Quality Zone (BBSW)								
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	55	0	0	2.00	2.51	3.00
Turbidity	FTU	4	55	0	0	0.12	0.13	0.19
Odour (quantitative)	Dil Number	0	55	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	55	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	17.40	30.16	43.10
Nitrate (as NO3)	mg/l	50	8	0	0	12.60	19.73	26.50
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	0.25	0.39	0.53
Aluminium	ug/l	200	55	0	0	6.10	12.22	95.80
Iron	ug/l	200	55	0	0	7.30	8.14	18.00
Manganese	ug/l	50	55	0	0	1.70	2.25	12.30
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.05	0.26
Fluoride	mg/l	1.5	8	0	0	<0.11	0.62	0.93
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	0.98	1.40
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	0.94	1.20
Antimony (New Reg Limit)	ug/l	5	8	0	0	0.20	0.26	0.50
Selenium	ug/l	10	8	0	0	0.80	0.81	0.90
PAH	ug/l	0.1	8	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	135	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	0.05	0.06
Benzo(a)pyrene	ug/l	0.01	8	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	8	0	0	37.10	49.16	80.90
Bromate	ug/l	10	8	0	0	0.80	1.10	1.90
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		-	55	0	0	6.90	7.31	7.80
Sulphate (as SO4)	mg/l	250	8	0	0	24.90	50.06	66.20
Ammonium (as NH4)	mg/l	0.5	55	0	0	<0.02	0.02	0.04
Total coliforms	No./100ml	0	135	0	0	0.00	0.00	0.00
3 day count, 22 deg C	cfu/ml	50	54	0	0	0.00	4.54	55.00
Free chlorine	mg/l	-	135	0	0	0.03	0.12	0.45
Total chlorine	mg/l	-	135	0	0	0.06	0.26	0.77
Conductivity	uS/cm	2500	55	0	0	257.00	414.45	582.00
Chloride	mg/l	250	8	0	0	36.00	55.25	71.00

* 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