

Hayley Green Water Quality Zone (HG)								
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	38	0	0	<1.00	1	1
Turbidity	FTU	4	38	0	0	<0.1	<0.1	<0.1
Odour	Dil Number	0	38	0	0	0	0	0
Taste	Dil Number	0	38	0	0	0	0	0
Sodium	mg/l	200	10	0	0	15.8	19.03	24.9
Nitrate (as NO3)	mg/l	50	10	0	0	34.4	38.63	41
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	0.69	0.77	0.82
Aluminium	ug/l	200	38	0	0	<5	7.71	17.3
Iron	ug/l	200	38	0	0	<4	4.3	15.6
Manganese	ug/l	50	38	0	0	<0.9	0.91	1.1
Copper	mg/l	2	10	0	0	<0.004	0.032	0.113
Fluoride	mg/l	1.5	10	0	0	0.53	0.92	1.01
Arsenic	ug/l	10	10	0	0	<0.5	2.38	2.8
Cadmium	ug/l	5	10	0	0	<0.060	<0.060	<0.060
Chromium	ug/l	50	10	0	0	<0.3	0.3	0.4
Nickel	ug/l	20	10	0	0	0.3	0.52	1.2
Lead	ug/l	10	10	0	0	<0.5	0.55	1
Antimony	ug/l	5	10	0	0	<0.1	0.11	0.2
Selenium	ug/l	10	10	0	0	<0.4	<0.4	<0.4
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	131	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	<0.05	<0.05
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	8	20.98	26.9
Bromate	ug/l	10	10	0	0	<0.4	0.6	0.9

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	38	0	0	6.8	7.46	7.8
Sulphate (as SO4)	mg/l	250	10	0	0	20.4	26.72	45.3
Ammonium (as NH4)	mg/l	0.5	38	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	131	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	38	0	0	0	0.39	5
Free chlorine	mg/l	-	131	0	0	0.03	0.19	0.43
Total chlorine	mg/l	-	131	0	0	0.1	0.27	0.53
Conductivity	uS/cm	2500	38	0	0	351	389.05	460
Chloride	mg/l	250	10	0	0	38	42.9	49

* 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