

2014 Reporting Year

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	40	0	0	<0.90	1.09	4.5
Turbidity	FTU	4	40	0	0	<0.08	0.161	0.58
Odour	Dil Number	0	40	0	0	0	0	0
Taste	Dil Number	0	40	0	0	0	0	0
Sodium	mg/l	200	9	0	0	15.2	19.46	27.9
Nitrate (as NO ₃)	mg/l	50	9	0	0	35.5	39.02	46.9
Nitrite (as NO ₂)	mg/l	0.1	9	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	9	0	0	0.711	0.781	0.939
Aluminium	ug/l	200	40	0	0	<2.0	8.94	124
Iron	ug/l	200	40	1	2.5	<4.0	31.93	767
Manganese	ug/l	50	40	0	0	<2.0	<2.0	20.9
Copper	mg/l	2	9	0	0	<0.004	0.039	0.107
Fluoride	mg/l	1.5	9	0	0	0.978	1.022	1.08
Arsenic	ug/l	10	9	0	0	0.38	1.793	2.93
Cadmium	ug/l	5	9	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	9	0	0	<0.70	<0.70	<0.70
Nickel	ug/l	20	9	0	0	0.8	1	2.13
Lead	ug/l	10	9	0	0	<0.10	0.53	2.64
Antimony	ug/l	5	9	0	0	<0.10	<0.10	<0.10
Selenium	ug/l	10	9	0	0	0.13	0.207	0.39
PAH	ug/l	0.1	12	0	0	0	0.0004	0.003
Escherichia coli	No./100ml	0	132	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	9	0	0	0	0	0
Boron	mg/l	1	9	0	0	<0.020	0.029	0.073
Benzo(a)pyrene	ug/l	0.01	12	0	0	<0.0005	<0.0005	0.0015
Trihalomethanes (total)	ug/l	100	10	0	0	7.77	18.07	29.5
Bromate	ug/l	10	9	0	0	<0.50	<0.50	0.9
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	40	0	0	6.58	7.33	7.62
Sulphate (as SO ₄)	mg/l	250	9	0	0	16	28.9	43.6
Ammonium (as NH ₄)	mg/l	0.5	40	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	132	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	40	0	0	0	8.9	245
Total chlorine	mg/l	-	131	0	0	0.05	0.209	0.47
2 day count, 37 deg C	cfu/ml	-	40	0	0	0	10.33	300
Conductivity	uS/cm	2500	40	0	0	351	420.6	543
Chloride	mg/l	250	9	0	0	35	41.88	52

* With the exception of the Iron parameter all of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. The unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1mg/l.