

TABLE 1

NOVEMBER 2016 - INITIAL OUTFALL & TRIBUTARY SAMPLING OF WELLINGTON BROOK & WINN'S BROOK

BELMONT, MASSACHUSETTS

Wellington Brook & Winn's Brook - Tributary Sampling & Outfall Sampling - Dry Weather											
Sampling Parameter	Unit	Threshold Value	Sampling Location, Sampling Date, and Measured Value								
			8-1	8-2	8-3	8-4	8-5	8-6	OF-8	10-1	OF-10
			11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016
E-Coli	MPN/100mL	235	ND	1950	ND	ND	1100	1550	100	1250	200
Enterococci	MPN/100mL	61	50	300	ND	ND	2600	150	700	450	3450
Surfactants	ppm	0.25	0.25	0.25	0.15	0.20	0.20	0.25	0.25	0.25	0.25
Chlorine (Cl ₂)	mg/L	?	0.37	0.17	0.24	0.63	0.10	0.08	0.05	0.21	0.19
Ammonia (NH ₃)	mg/L	0.5	0.3	2.0	0.1	0.3	0.6	0.1	3	0	0.5
Salinity	ppt	?	0	0	0	0	0	0	0	0	0
Conductivity	μs	?	0	0	0	1.9	0	0	0	0	0
Temperature	°C	?	6.7	10.4	14.9	13.1	12.1	4.8	8.9	5.8	7.4
pH		?	8.14	7.83	7.65	7.58	7.95	7.62	7.72	7.56	7.84

Wellington Brook & Winn's Brook - Tributary Sampling & Outfall Sampling - Wet Weather											
Sampling Parameter	Unit	Threshold Value	Sampling Location, Sampling Date, and Measured Value								
			8-1	8-2	8-3	8-4	8-5	8-6	OF-8	10-1	OF-10
			11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
E-Coli	MPN/100mL	235	9200	>20000	ND	ND	2900	8300	8400	2700	7200
Enterococci	MPN/100mL	61	2200	11200	ND	ND	1000	2000	7100	2700	2100
Surfactants	ppm	0.25	0.00	1.50	0.25	0.00	0.25	0.25	0.10	0.15	0.25
Chlorine (Cl ₂)	mg/L	?	0.13	0.33	0.18	0.45	0.07	0.30	0.07	0.02	0.00
Ammonia (NH ₃)	mg/L	0.5	0.00	4.00	0.10	0.25	0.35	0.35	0.50	0.15	0.10
Salinity	ppt	?	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Conductivity	μs	?	0.0	0.0	0.0	6.0	0.0	0.4	0.0	0.5	0.0
Temperature	°C	?	12.8	12.2	12.8	13.0	13.7	13.2	11.5	13.0	12.6
pH		?	7.95	7.63	7.82	7.51	6.67	6.44	6.90	6.91	7.00

*"ND" abbreviated for "Not detected"

*Red cells indicate the sample's parameter exceeds its threshold value.