ALEWIFE BROOK												
DRY WEATHER SAMPLING												
April 1, 2017 - March 31, 2018												
Date Collected	4/10/2017	5/10/2017	6/16/2017	4/10/2017	5/10/2017	6/16/2017	4/10/2017	5/10/2017	6/16/2017	4/10/2017	5/10/2017	6/16/2017
Location	St. Sauveur Court	St. Sauveur Court	St. Sauveur Court	Huron Avenue Belmont 38"	Huron Avenue Belmont 38"	Huron Avenue Belmont 38"	Blanchard @ Wellington	Blanchard @ Wellington	Blanchard @ Wellington	Blanchard 18''	Blanchard 18'	Blanchard 18''
pH Value (S.U.)	6.86	7.23	7.3	6.98	7.16	7.2	6.54	7.08	6.7	No Flow	No Flow	No Flow
Conductivity (uS/cm), 1.00uS/cm limit	1820	1480	1420	1300	1140	1200	1340	749	1240	No Flow	No Flow	No Flow
E. Coli (MPN/100ml), 10MPN/100ml limit	1140	10,500	7920	14100	17,300	10100	1560	1,040	1990	No Flow	No Flow	No Flow
Enterococci(MPN/100ml), 10MPN/100ml limit	199	1,500	631	17300	14,100	1380	624	131	148	No Flow	No Flow	No Flow
Fecal Coliform Col./100ml, 100 Col./100ml limit	1800	19400	25000	18900	26000	26900	2300	1600	3900	No Flow	No Flow	No Flow
Ammonia Nitrogen (mg/L) 1.00uS/cm limit	ND	0.182	0.2	0.273	0.760	1.2	ND	0.248	0.2	No Flow	No Flow	No Flow
Nitrate Nitrogen (mg/L), 0.0300mg/L limit	4.01	2.080	0.98	3.92	3.010	1.09	3.7	1.230	1.11	No Flow	No Flow	No Flow
MBAS (Surfactant), 0.0300mg/L limit	ND	ND	0.03	ND	ND	0.05	ND	ND	ND	No Flow	No Flow	No Flow
TKN (mg/L), 0.100 mg/L limit	0.113	ND	ND	0.762	1.010	6.200	0.585	0.440	ND	No Flow	No Flow	No Flow
Total Phosphorous (mg/L), 0.0200mg/L limit	0.046	0.052	0.05	0.156	0.049	0.29	0.086	0.218	0.05	No Flow	No Flow	No Flow
TSS(mg/L), 2.00mg/L limit	ND	ND	2	ND	10.8	ND	ND	4.8	ND	No Flow	No Flow	No Flow
BOD (mg/L) 4 mg/L limit		<4	<2		<4	<2		<4	<2			
Oil and Grease (mg/L) limit 2mg/L								6.7				
Iron (mg/L)												

ALEWIFE BROOK
DRY WEATHER SAMPLING
April 1, 2017 - March 31, 2018

Date Collected	4/10/2017	5/10/2017	6/16/2017	2/21/2018	4/10/2017	5/10/2017	6/16/2017	4/10/2017	5/10/2017	6/16/2017	4/10/2017	4/19/2017	4/19/2017	4/19/2017
Location	Normandy Terrace	Normandy Terrace	Normandy Terrace	Normandy Terrace	Acorn Park Drive	Acorn Park Drive	Acorn Park Drive	Outfall North of CambridgePark Dr	Outfall North of CambridgePark Dr	Outfall North of CambridgePark Dr	CambridgePark Dr Sampling Station	CambridgePark Dr Sampling Staton 10:30am	CambridgePark Dr Sampling Staton 11:30am	CambridgePark Dr Sampling Staton 12:30pm
pH Value (S.U.)	8.62	7.19	7.1	7.20	6.78	6.84	6.8	6.76	6.91	6.9	6.81	7.23	7.11	7.05
Conductivity (uS/cm), 1.00uS/cm limit	793	1070	1090	1530	3810	2960	3160	2320	2100	1880	2230	2430	2390	2340
E. Coli (MPN/100ml), 10MPN/100ml limit	1100	1190	1260	2600	2220	109	229	935	496	6590	155	30	41	10
Enterococci(MPN/100ml), 10MPN/100ml limit	11200	3870	183	213	988	41	20	419	285	1720	391	20	41	74
Fecal Coliform Col./100ml, 100 Col./100ml limit	2400	1400	42000	2900	2800	200	2600	1500	1300	22500	500	100	200	ND
Ammonia Nitrogen (mg/L) 1.00uS/cm limit	0.303	0.627	0.8	0.2	0.747	0.590	1.2	2.62	2.830	2.7	1.85	6.010	5.780	4.000
Nitrate Nitrogen (mg/L), 0.0300mg/L limit	0.513	0.697	1.01	3.220	0.35	0.093	0.08	1.37	0.494	0.16	1.09	0.739	0.746	0.8
MBAS (Surfactant), 0.0300mg/L limit	0.132	ND	0.06		ND	ND	0.06	0.058	ND	0.22	ND	0.05	0.09	0.08
TKN (mg/L), 0.100 mg/L limit	3.34	1.980	0.600	0.600	1.1	0.735	1.300	2.97	1.620	17.000	4.29	5.01	5.18	4
Total Phosphorous (mg/L), 0.0200mg/L limit	0.725	0.022		<0.02	0.088	0.067	0.37	0.078	ND	0.14	0.294	0.053	0.048	0.099
TSS(mg/L), 2.00mg/L limit	90	2.400	2	<2	ND	8.0	20	54	9.2	15	95	27.5	37.6	15.2
BOD (mg/L) 4 mg/L limit		<4	<2			<4	<2		6	43		7	5	4
Oil and Grease (mg/L) limit 2mg/L														
Iron (mg/L)														

ALEWIFE BROOK
DRY WEATHER SAMPLING
April 1, 2017 - March 31, 2018

Date Collected	6/9/2017	6/16/2017	4/10/2017	5/10/2017	6/16/2017	2/21/2018	3/6/2018	4/19/2017	6/9/2017	4/10/2017	5/10/2017	6/16/2017	2/21/2018	3/6/2018	4/19/2017
Location	CambridgePark Dr Sampling Station	CambridgePark Dr Sampling Station	Wetland Forebay	Wetland Forebay	Wetland Forebay	Wetland Forebay	Wetland Forebay	Alewife Wetland Sampling Station	Alewife Wetland Sampling Station	Wetland outlet	Wetland outlet	Wetland outlet	Wetland outlet	Wetland outlet	Harrison Ave Sampling Station 11:45 AM
pH Value (S.U.)		6.6	6.82	7.15	7.1	6.9	6.9	9.65		7.37	9.58	6.7	7.2	6.9	6.61
Conductivity (uS/cm), 1.00uS/cm limit	568	803	2140	242	757	6160	2490	1970	386	1520	582	581	3330	1360	2330
E. Coli (MPN/100ml), 10MPN/100ml limit	3450	8700	333	86	5490	496	933	ND	107	20	<10	171	85	288	ND
Enterococci(MPN/100ml), 10MPN/100ml limit	86	876	30	<10	85	15500	780	31	<10	10	<10	41	<10	31	120
Fecal Coliform Col./100ml, 100 Col./100ml limit	22000	37400	1100	1100	44300	800	3700	ND	2400	ND	<100	13200	200	300	ND
Ammonia Nitrogen (mg/L) 1.00uS/cm limit	0.546	0.7	1.98	0.182	0.7	1.8	3.2	ND	0.532	0.47	ND	0.5	1.1	1.4	0.362
Nitrate Nitrogen (mg/L), 0.0300mg/L limit	0.334	0.04	1.52	0.183	ND	0.677	0.897	ND	0.044	0.786	0.035	ND	0.342	0.911	0.447
MBAS (Surfactant), 0.0300mg/L limit	0.104	0.2	ND	0.592	0.12			ND	0.077	ND	ND	0.1			0.03
TKN (mg/L), 0.100 mg/L limit	0.78	1.400	4.37	0.235	1.100	1.9	3.8	0.256	0.765	0.964	0.224	1.800	1.2	1.9	1.46
Total Phosphorous (mg/L), 0.0200mg/L limit	0.099	0.16	0.155	0.056	0.16	0.22	1.04	0.087	0.083	0.037	0.054	0.2	0.03	0.28	0.023
TSS(mg/L), 2.00mg/L limit	4.4	13	25.3	4.4	14	13	9	6	8.4	4.5	7.2	ND	4	4	6
BOD (mg/L) 4 mg/L limit		7		5	15		<4	5			<4	6		<4	30
Oil and Grease (mg/L) limit 2mg/L							<2								
Iron (mg/L)							3.32							2.24	

ALEWIFE BROOK										
DRY WEATHER SAMPLING										
April 1, 2017 - March 31, 2018										
Date Collected	4/19/2017	6/9/2017	4/10/2017	5/10/2017	6/16/2017	2/21/2018	5/10/2017	6/16/2017	2/21/2018	
Location	Harrison Ave Sampling Station 12:45 PM	Harrison Ave Sampling Station	Harrison Ave	Harrison Ave	Harrison Ave	Harrison Ave	Matignon Road	Matignon Road	Matignon Road	Russell Field (5 outfalls)
pH Value (S.U.)	6.77		6.93	6.80	7	6.50	6.79	6.8	7	
Conductivity (uS/cm), 1.00uS/cm limit	2350	1140	1900	934	1170	1920	2040	2710	14900	
E. Coli (MPN/100ml), 10MPN/100ml limit	ND	350	305	20	364	41	52	311	<10	
Enterococci(MPN/100ml), 10MPN/100ml limit	75	62	554	132	108	31	63	473	52	
Fecal Coliform Col./100ml, 100 Col./100ml limit	ND	2700	300	400	16800	400	500	18000	<100	
Ammonia Nitrogen (mg/L) 1.00uS/cm limit	0.348	0.334	ND	0.114	0.4	0.3	0.575	0.1	0.4	
Nitrate Nitrogen (mg/L), 0.0300mg/L limit	0.544	0.515	1.58	0.318	0.14	0.994	2.62	1.64	2.92	
MBAS (Surfactant), 0.0300mg/L limit	0.04	0.04	ND	ND	0.08		5.11	2.36		
TKN (mg/L), 0.100 mg/L limit	0.516	0.358	0.901	0.242	0.600	0.800	11.500	0.500	1.000	
Total Phosphorous (mg/L), 0.0200mg/L limit	0.039	0.086	0.049	0.048	0.06	0.030	1.44	0.03	0.05	
TSS(mg/L), 2.00mg/L limit	4.8	3.6	7	2.4	18	<2	76	43	4	
BOD (mg/L) 4 mg/L limit	ND			<4	18		<4	<2		
Oil and Grease (mg/L) limit 2mg/L										
Iron (mg/L)										