ALEWIFE BROOK DRY WEATHER SAMPLING 2016

DATE COLLECTED	5/27/2016	8/26/2016	5/27/2016	8/26/2016	5/27/2016	8/26/2016	5/27/2016	8/26/2016	9/15/2016	5/27/2016	8/26/2016	5/27/2016	8/26/2016
LOCATION	**St. Sauveur Court Belmont 48"**	**St. Sauveur Court Belmont 48"**	**Huron Avenue Belmont 39"**	**Huron Avenue Belmont 39"**	**Blanchard Road @ Wellington Brook**	**Blanchard Road @ Wellington Brook**	**Blanchard Road 18-inch drain**	**Blanchard Road 18-inch drain**	**Blanchard Road 18-inch drain**	**Acorn Park Drive**	**Acorn Park Drive**	**Outfall North of Cambridge Park Drive**	**Outfall North of Cambridge Park Drive**
pH Value (S.U.)	5.39	7.99	7.28	7.73	6.94	6.86	no flow	no flow	no flow	5.61	7.07	5.1	7.23
Conductivity (µmhos/cm)	1,411	1,329	984	834	1,053	184	no flow	no flow	no flow	3,500	2,280	2,154	1,520
Fecal Coliform (CFU/100ml)	230	900	15,600	7,100	4,600	400	no flow	no flow	no flow	<10	500	210	3,300
E. Coli (CFU/100ml)	733	74	12,977	4,611	3,076	256	no flow	no flow	no flow	<10	29	41	538
Enterococci (CFU/100ml)	20	20	1,483	537	246	74	no flow	no flow	no flow	<10	10	<10	20.00
Ammonia Nitrogen (mg/l)	<0.1	<0.1	2.1	2.8	0.9	0.3	no flow	no flow	no flow	1.5	1.2	3.8	2.0
Total Kjeldahl Nitrogen (mg/l)	<0.1	<0.1	3.5	3.9	2.7	1.3	no flow	no flow	no flow	2.1	2.1	4.3	2.8
Nitrate Nitrogen (mg/l)	3.95	2.46	2.94	2.58	2.14	0.43	no flow	no flow	no flow	<0.03	0.06	0.59	0.31
Total phosphorus (mg/l)	0.04	0.04	0.23	0.54	0.32	0.26	no flow	no flow	no flow	0.14	0.17	0.05	0.05
Biochemical Oxygen Demand (mg/l)	<4	<4	4	4	8	<4	no flow	no flow	no flow	<4	5	<4	4
Total Suspended Solids (mg/l)	3	5	6	6	8	8	no flow	no flow	no flow	11	11	10	2
Fats, Oils & Grease (FOG)					<2								

DATE COLLECTED	5/27/2016	7/8/2016	8/26/2016	5/27/2016	7/8/2016	8/26/2016	5/27/2016	8/26/2016	5/27/2016	8/26/2016	6/3/2016	9/15/2016	09/15/2016
LOCATION	**Wetland Outlet**	**Wetland Outlet**	**Wetland Outlet**	**Wetland Forebay**	**Wetland Forebay**	**Wetland Forebay**	**Normandy Terrace**	**Normandy Terrace**	**Harrison Ave**	**Harrison Ave**	**Matignon Road**	**Matignon Road**	**Russell Field (5 outfalls)**
pH Value (S.U.)	5.16	6.91	7.09	4.84	6.52	7.82	4.86	7.72	4.92	7.63	6.79	7.2	no flow
Conductivity (µmhos/cm)	1,369	778	741	1,367	1,004	314	1,604	952	1,457	1,195	1,016	1,576	no flow
Fecal Coliform (CFU/100ml)	190	10	<100	<10	700	3,800	7,000	17,000	90	600	1,500	11,200	no flow
E. Coli (CFU/100ml)	20	10	20	<10	383	75	6,488	3,441	10	122	743	6,300	no flow
Enterococci (CFU/100ml)	<10	10	<10	<10	<10	<10	223	867	<10	81	9,606	4,674	no flow
Ammonia Nitrogen (mg/l)	2.3	<0.1	<0.1	2.2	0.7	0.1	3.8	0.8	0.5	0.2	8.4	13.6	no flow
Total Kjeldahl Nitrogen (mg/l)	3.1	0.8	2.4	2.8	1.1	2	4.7	1.6	0.8	1.7	12.1	48.8	no flow
Nitrate Nitrogen (mg/l)	0.28	<0.03	0.04	0.03	0.33	<0.03	0.83	0.90	0.35	0.53	0.05	<0.03	no flow
Total phosphorus (mg/l)	0.06	0.09	0.03	0.06	0.1	0.06	0.06	0.09	0.08	0.03	0.65	9.72	no flow
Biochemical Oxygen Demand (mg/l)	<4	5	4	<12	12	13	<4	4	<4	<4	290	207	no flow
Total Suspended Solids (mg/l)	7	32	6	13	62	8	4	10	8	9	34	1,593	no flow
Fats, Oils & Grease (FOG)													