

ALEWIFE BROOK DRY WEATHER SAMPLING 2015

DATE COLLECTED	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015	4/7/2015	7/7/2015	11/3/2015	12/14/2015
LOCATION	St. Sauveur Court Belmont 48"	St. Sauveur Court Belmont 48"	St. Sauveur Court Belmont 48"	Huron Avenue Belmont 39"	Huron Avenue Belmont 39"	Huron Avenue Belmont 39"	Blanchard Road @ Wellington Brook	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	Acorn Park Drive	Outfall North of Cambridge Park Drive	Outfall North of Cambridge Park Drive	Outfall North of Cambridge Park Drive	Outfall North of Cambridge Park Drive
pH Value (S.U.)	7.33	7.65	7.68	7.11	7.59	7.48	6.68	6.85	6.88	no flow	no flow	no flow	6.74	6.96	6.99	7.05	6.86	7.11	7.13
Conductivity (µmhos/cm)	1,600	1,395	1,377	1,023	812	910	1,246	915	1,053	no flow	no flow	no flow	2,130	1,987	2,022	2,700	2,090	1,954	21,270
Fecal Coliform (CFU/100ml)	34,000	2,000	800	10,000	39,000	12,000	1,000	250	90	no flow	no flow	no flow	<100	100	<10	700	1,100	60	100
E. Coli (CFU/100ml)	24,196	1,259	657	12,033	24,196	5,172	960	243	52	no flow	no flow	no flow	10	63	<10	199	530	130	<10
Enterococci (CFU/100ml)	2,613	168	10	6,131	128	512	132	10	10	no flow	no flow	no flow	<10	<10	<10	10	20	<10	20
Ammonia Nitrogen (mg/l)	0.3	0.1	<0.1	1.3	3.0	2.6	0.2	0.2	0.3	no flow	no flow	no flow	1.5	0.8	1.0	1.6	2.1	2.0	2.9
Total Kjeldahl Nitrogen (mg/l)	0.4	0.2	0.4	1.9	5.2	5.3	0.3	0.6	0.4	no flow	no flow	no flow	2.0	1.0	1.4	1.8	3.4	2.4	4.3
Nitrate Nitrogen (mg/l)	2.85	2.21	2.82	2.91	3.41	3.26	3.44	3.15	3.16	no flow	no flow	no flow	0.05	0.10	0.14	0.95	0.31	0.49	0.21
Total phosphorus (mg/l)	0.11	0.07	0.11	0.23	0.4	0.37	0.10	0.15	0.16	no flow	no flow	no flow	0.05	0.05	0.14	0.02	0.07	0.07	0.07
Biochemical Oxygen Demand (mg/l)	<4	<4	<4	<4	<4	<4	<4	5	<4	no flow	no flow	no flow	<4	<4	<4	4	<4	<4	<4
Total Suspended Solids (mg/l)	4	4	6	3	2	5	<2	3	10	no flow	no flow	no flow	18	17	44	13	6	10	16
Fats, Oils & Grease (FOG)																			<2

** New outfall

DATE COLLECTED	4/7/2015	7/7/2015	11/3/2015	12/14/2015	4/7/2015	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015	7/7/2015	11/3/2015	12/14/2015		12/14/2015
LOCATION	Wetland Outlet**	Wetland Outlet**	Wetland Outlet**	Wetland Outlet**	Wetland Forebay**	Wetland Forebay**	Wetland Forebay**	Wetland Forebay**	Normandy Terrace	Normandy Terrace	Normandy Terrace	Harrison Ave	Harrison Ave	Harrison Ave	Matignon Road	Russell Field (5 outfalls)
pH Value (S.U.)	7.36	6.74	6.86	6.86	7.62	7.62	7.99	8.23	7.14	7.20	7.22	7.02	7.22	7.31		no flow
Conductivity (µmhos/cm)	1,318	681	408	648	961	961	945	870	1,065	1,015	1,012	1,222	984	1,145		no flow
Fecal Coliform (CFU/100ml)	<100	100	30	<10	<100	<100	<10	<10	2,800	28,000	1,200	1,000	200	90		no flow
E. Coli (CFU/100ml)	<10	10	<10	<10	<10	<10	<10	<10	2,046	62,200	1,054	30	108	185		no flow
Enterococci (CFU/100ml)	<10	<10	<10	<10	<10	<10	<10	<10	435	75	<10	110	10	<10		no flow
Ammonia Nitrogen (mg/l)	0.6	<0.1	<0.1	0.7	0.2	0.2	0.2	0.1	0.9	0.8	1.0	0.5	0.1	0.4		no flow
Total Kjeldahl Nitrogen (mg/l)	1.1	0.4	0.5	1.2	0.4	0.4	0.6	0.4	2.5	1.1	1.2	1.6	0.4	0.8		no flow
Nitrate Nitrogen (mg/l)	0.50	0.03	0.04	0.10	0.86	0.86	0.29	0.34	1.04	0.81	0.70	0.32	0.34	0.57		no flow
Total phosphorus (mg/l)	0.02	<0.02	0.09	0.06	0.03	0.03	<0.02	0.03	0.04	0.07	<0.02	0.04	0.08	0.06		no flow
Biochemical Oxygen Demand (mg/l)	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		no flow
Total Suspended Solids (mg/l)	4	4	5	8	ND	ND	3	<2	4	35	8	8	25	13		no flow
Fats, Oils & Grease (FOG)														<2		