

CHARLES RIVER DRY WEATHER SAMPLING 2016

DATE COLLECTED	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016	8/5/2016	6/16/2016
LOCATION	Broad Canal	Broad Canal	Main Street	Main Street	Wadsworth Street	Wadsworth Street	Ames Street	Ames Street	Endicott Street	Endicott Street	Flagg Street	Flagg Street	DeWolfe Street	DeWolfe Street	John F. Kennedy West	John F. Kennedy West	John F. Kennedy East	John F. Kennedy East	Sparks Street
pH Value (S.U.)	7.59	7.52	7.68	no flow	8.25	no flow	7.23	6.69	6.93	6.89	7.22	6.93	7.45	6.89	7.37	6.72	no flow	no flow	7.48
Conductivity (µmhos/cm)	1,664	3,530	2,270	no flow	1,068	no flow	402	252	862	1,308	850	1,823	1,976	1,648	774	467	no flow	no flow	1,829
Fecal Coli form (CFU/100ml)	<10	90	<10	no flow	10	no flow	150	130	100	30,000	10	20	<10	23,000	10	280	no flow	no flow	<10
E. Coli (CFU/100ml)	<10	41	<10	no flow	<10	no flow	>24,196	10	>24,196	19,883	<10	10	<10	12,033	10	169	no flow	no flow	<10
Enterococci (CFU/100ml)	<10	<10	<10	no flow	41	no flow	328	<10	52	95	10	10	160	504	<10	10	no flow	no flow	211
Ammonia Nitrogen (mg/l)	0.1	<0.1	0.1	no flow	0.1	no flow	2.1	2.3	0.4	0.3	0.1	0.1	1.8	2.5	0.1	0.6	no flow	no flow	0.3
Total Kjeldahl Nitrogen (mg/l)	0.6	1.5	1.4	no flow	5.4	no flow	5.8	2.4	1.2	12.2	0.8	11.3	2.1	4.4	0.5	1.0	no flow	no flow	1.8
Nitrate Nitrogen (mg/l)	0.47	0.09	0.96	no flow	0.26	no flow	0.16	0.21	<0.03	0.06	0.59	0.34	0.37	0.42	0.44	0.24	no flow	no flow	2.31
Total phosphorus (mg/l)	0.07	0.03	0.82	no flow	0.78	no flow	0.21	0.14	0.19	0.96	0.08	0.06	0.43	0.34	0.06	0.08	no flow	no flow	0.12
Biochemical Oxygen Demand (mg/l)	<4	<4	<4	no flow	6	no flow	10	10	5	33	<4	<4	6	<4	<4	<4	no flow	no flow	<4
Total Suspended Solids (mg/l) Fats, Oil, Grease	18	9	134	no flow	198	no flow	18	3	24	11	24	6	78	220	32	25	no flow	no flow	10

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LOCATION	University Road	University Road	Brewer Street	Brewer Street	Hingham Street	Hingham Street	River Street	Lechmere Canal First Street at Thorndike St	South Mass Ave at Memorial Drive	Cambridge Cemetery Range 104	Cambridge Cemetery at Shady Hill School	Cambridge Cemetery Range 237	Pearl Street	North Point D03 C	Museum Way	Amesbury Street	Pleasant Street	Kendall Street	Western Ave	Western Ave
pH Value (S.U.)	7.36	6.40	no flow	no flow	7.56	6.69	no flow	7.67	8.55	no flow	6.66	5.66	6.48	7.30	7.11	7.33	6.80	7.60	6.59	7.06
Conductivity (µmhos/cm)	1,838	2,410	no flow	no flow	842	1,011	no flow	2,580	4,240	no flow	1,055	955	399	1,268	1,905	872	2,300	4,450	1,854	803
Fecal Coli form (CFU/100ml)	<10	700	no flow	no flow	<10	<10	no flow	2,200	<100	no flow	1,100	900	500	300	400	1,200	1,100	<100	500	100
E. Coli (CFU/100ml)	<10	556	no flow	no flow	<10	<10	no flow	332	10	no flow	246	216	63	97	10	292	86	<10	197	10
Enterococci (CFU/100ml)	<10	85	no flow	no flow	<10	<10	no flow	73	<10	no flow	10	31	30	84	10	41	20	<10	20	63
Ammonia Nitrogen (mg/l)	0.4	0.7	no flow	no flow	0.3	0.2	no flow	<0.1	<0.1	no flow	<0.1	<0.1	0.4	<0.1	0.3	1.6	0.1	0.4	1.2	0.3
Total Kjeldahl Nitrogen (mg/l)	1.6	1.4	no flow	no flow	1.2	0.4	no flow	0.8	1.0	no flow	0.4	<0.1	0.6	0.3	1.4	1.7	0.4	0.4	1.3	0.5
Nitrate Nitrogen (mg/l)	1.04	0.93	no flow	no flow	0.60	0.36	no flow	0.24	0.05	no flow	1.52	2.56	0.12	0.54	0.36	0.55	0.30	1.31	0.08	0.15
Total phosphorus (mg/l)	0.04	0.07	no flow	no flow	0.04	<0.02	no flow	0.26	0.11	no flow	0.07	0.10	0.13	0.10	1.35	0.22	0.06	0.10	0.08	0.11
Biochemical Oxygen Demand (mg/l)	14	<4	no flow	no flow	<4	<4	no flow	9	<4	no flow	<4	<4	<4	<4	<4	<4	<4	<4	5	<4
Total Suspended Solids (mg/l) Fats, Oil, Grease	6	12	no flow	no flow	24	8	no flow	14	26	no flow	4	24	4	2	484	4	8	30	20	4