CERTIFICATE OF ANALYSIS

CAMBRIDGE DEPARTMENT OF PUBLIC WORKS
147 HAMPSHIRE ST
CAMBRIDGE, MA 02139

Findings:

	RE: CHARLES RIVER EPA-DEP STORM DRAIN SAMPLES													RE: ALEWIFE BROOK EPA-DEP STORM DRAIN SAMPLES							
SAMPLE ID	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
DATE COLLECTED	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/31/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02	7/23/02
LOCATION	Ames Street	Broad Canal	Main Street	Wadsworth	Danforth Street	Endicott Street	Flagg Street	John F. Kennedy Street East	John F. Kennedy Street West	University	Brewer	DeWolfe Street	Sparks Street	St. Saveur Court Belmont-48"	Huron Avenue Belmont-39"	Blanchard Road @ Wellington Brook	Normandy Terrace	Acorn Park	Fawcett Street at Outfall	Wheeler Street	Outfall North of Cambridge Park Drive
pH Value	6.85	6.73	8.47	7.11	6.82	7.35	6.59	Dry	6.57	6.74	Dry	6.63	6.82	6.79	6.96	6.62	6.89	6.83	7.11	6.86	6.78
Conductivity (µmhos/cm)	712	1,080	594	1,900	309	795	594	Dry	521	560	Dry	1,110	1,140	1,030	552	581	744	837	612	830	851
Fecal Coliform/100 ml	188,000	<100	<100	600	<100	500	400	Dry	400	1,200	Dry	24,000	70,000	7,200	220,000	5,500	6,300	1,600	1,000	35,000	18,000
E. coli/100 ml	188,000	<100	<100	<100	<100	500	400	Dry	400	1,200	Dry	24,000	45,000	7,200	220,000	5,500	2,000	900	1,000	25,000	18,000
Enterococcci/100 ml	400	<100	<100	<100	<100	<100	<100	Dry	200	<100	Dry	800	3,500	200	17,000	<100	<100	200	800	400	98,000
Ammonia Nitrogen (mg/l)	1.00	0.00	1.00	0.67	1.70	0.60	0.50	Dry	0.60	0.56	Dry	2.40	0.60	0.40	7.90	2.50	1.00	0.30	0.56	0.40	2.00
Total Kjeldhal Nitrogen (mg/l)	2.07	1.01	1.29	1.12	3.53	1.96	1.62	Dry	1.57	1.18	Dry	4.03	2.41	1.23	9.13	3.70	1.85	1.79	1.34	0.95	3.08
Nitrate Nitrogen (mg/l)	<0.1	0.37	0.76	1.26	<0.1	0.57	0.49	Dry	<0.1	0.41	Dry	0.71	2.70	3.13	1.39	1.50	1.32	0.36	0.93	<0.1	0.16
Total Phosphorus (mg/l)	<0.03	<0.03	<0.03	0.30	<0.03	<0.03	0.03	Dry	<0.03	0.08	Dry	0.05	0.21	<0.03	0.04	<0.03	<0.03	0.03	0.03	0.29	0.03
Biochemical Oxygen Demand (r	7.0	<3	<3	<25	<33	4.0	8.0	Dry	5.0	4	Dry	7.0	3.0	<3	<33	5.0	6.0	7.0	<33	17.0	9.5
Total Suspended Solids (mg/l)	7	6	4	24	68	42	62	Dry	28	5	Dry	43	149	<1	15	7	24	26	96	42	17

Methods: Standard Methods for the Analysis of Water & Wastewater, 19th edition, 1995, and Methods for Chemical Analysis of Water & Wastewater, EPA 600/4-79-020 (1983).

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#MA026
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