# CERTIFICATE OF ANALYSIS

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

**Report No.: 36201**
Report Date: 4/14/2006


**RE: CHARLES RIVER EPA-DEP STORM DRAIN SAMPLES**

**Sample Collection:** Samples collected by client on March 29, 2006
**Sample Received Date/Time:** 3/29/06, 1:05 PM

**Anatytical Results:**

| SAMPLE ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE COLLECTED | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 | 3/29/2006 |
| LOCATION | Broad Canal | Main Street | Wadsworth | Ames St. | Danforth Street | Endicott Street | Flagg Street | Dewolfe Street | John F. Kennedy Street West | John F. Kennedy Street East | University Ave. | Sparks Street | Brewer |
| pH Value (S. U.) | 8.05 | 9.04 | 7.35 | 7.26 | 7.42 | 7.29 | 7.41 | 7.64 | 7.44 | No Flow | 7.35 | 7.29 | No Flow |
| Conductivity (µmhos/cm) | 473 | 413 | 1304 | 1863 | 1077 | 696 | 547 | 724 | 405 | No Flow | 1427 | 828 | No Flow |
| Fecal Coliform (CFU/100mL) | 500 | < 100 | < 100 | < 100 | < 100 | 7100 | < 100 | < 100 | < 100 | No Flow | < 100 | 4800 | No Flow |
| E.Coli (CFU/100mL) | < 100 | < 100 | < 100 | < 100 | < 100 | 2300 | < 100 | < 100 | < 100 | No Flow | < 100 | 4600 | No Flow |
| Enterococci (CFU/100mL) | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | No Flow | < 100 | 200 | No Flow |
| Ammonia Nitrogen (mg/L) | < 0.03 | 0.37 | 0.70 | 0.63 | < 0.03 | 11.8 | 0.08 | 1.6 | < 0.03 | No Flow | 1.4 | 0.41 | No Flow |
| Total Kjeldhal Nitrogen (mg/L) | < 0.294 | 0.430 | 1.72 | 1.00 | 0.554 | 8.70 | 0.440 | 1.57 | < 0.294 | No Flow | 1.88 | 1.48 | No Flow |
| Nitrate Nitrogen (mg/L) | 1.19 | 1.69 | 1.36 | 0.986 | 1.57 | 0.894 | 1.59 | 1.74 | 0.98 | No Flow | 1.36 | 3.50 | No Flow |
| Total Phosphorus (mg/L) | < 0.132 | < 0.132 | 0.544 | 0.132 | 0.203 | 1.19 | < 0.132 | 0.381 | < 0.132 | No Flow | < 0.132 | < 0.132 | No Flow |
| Biochemical Oxygen Demand (mg/L) | 1 | < 1 | 8 | 3 | 5 | 9 | 2 | 10 | 2 | No Flow | 7 | 7 | No Flow |
| Total Suspended Solids (mg/L) | 40 | 40 | 120 | 120 | 10 | 30 | 30 | 120 | 40 | No Flow | 10 | 20 | No Flow |

**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).

**Lab. Director** _____
**Diana Liu,** **Date**