**Day in the Life of the Hudson River 10/20/15**

**East River, Gantry Plaza at Newtown Creek**

**Alex Pistell, Rebecca Raddock, PS 78Q - 5th– 8th grade students, 160 students**

**Location:** East River, Gantry Plaza State Park, Long Island City, Queens

**Surrounding Land Use:** Urban 80%; Grassy 15%; Rocky Shoreline 5%

**Sampling Site:** Shoreline is rocky with some plants and has piers.

**Plants in area:** A few trees and tall grasses.

**Water depth**: unknown

**River Bottom**: unknown

A**ll sampling occurred between 9:30-11:00 & 11:30 and 1:00 PM**

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| ***A*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |   |  |  |  |
| Air Temperature | Averaged | 12°C | 53 °F |  |
| Wind Speed | Averaged | Beaufort 2 | NE | 7 mph |
| Cloud Cover | Averaged | 40% covered  | Partly cloudy |  |
| Weather last 3 days |  |
| ***Water Temperature*** | Averaged | 18°C |  |  |
| ***Turbidity***Secchi Disk | Averaged | 2.75 feet | 84 cm |  |
| ***Chemical*** |  |  |  |  |
| DO - chemettes | Averaged | 4 ppm | 18°C | 40% saturated |
| pH (test strips) | Averaged | 6.5  |  |  |
| Salinity(Hydrometer) | Averaged | 25 ppt |  |  |
| ***Tides*** |  | N/R |  |  |
| ***Currents*** | Averaged | 0.15 m/s |  |  |