**A Day in the Life of the Hudson River 10/16/14 & 10/20/14 Data**

**(Salt Front RM 65.9 & 63.6)**

**RIVER MILE East River 1 East – Brooklyn Bridge Park P**

**Janet Villas, Brooklyn Friends School, 28 (11th & 12th graders) and 2 adults**

**A Comparative Study Between Two Dates**

**Location:** South of the Manhattan Bridge @ the new Brooklyn Bridge Park

**Area:** 100%Urban/residential

**Surrounding Land Use:** Urban residential 100%,

**Sampling Site:** Concrete bulkhead

**Plants in area:** no plants noted in water

**Water depth**:

**River Bottom** –

**10/16/14 Data Collected by St. Francis College Students for This Group**

**10/20/14 Data Collected by Brooklyn Friends Students**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***TIME*** | ***10/16/14 Data*** | ***TIME*** | ***10/20/14 Data*** |
| ***Physical*** |  |  |  |  |
| Air Temperature | PM | 13 °C  55 °F | AM | 14.2 °C  58 °F |
| Wind Speed |  |  |  | Breezy |
| Cloud Cover | Cloudy |  |  |  |
| Weather today | Rain |  | AM | Unseasonably cold, part sun, |
| Weather last 3 days | Light rain last few days - humid | | | |
| ***Water Surface*** |  |  |  |  |
| ***Water Temp.*** | PM | 16.7°C  62 °F | AM | 17°C  63 °F |
| ***Turbidity – tube*** | PM | 0 JTU | AM | 0 JTU |
| ***Coliform Bact.*** |  | Positive |  | Positive |
| ***Chemical*** |  |  |  |  |
| DO - |  | n/r |  | 9.5 ppm |
| pH | PM | 8 |  | 8 |
| Nitrites |  | 0 |  | 0 |
| Nitrates |  | 0 |  | 1.5 |
| Iron |  | 0 |  | 0 |
| Copper |  | 0 |  | 0 |
| Salinity – | PM | 25.6 ppt |  | 24.6 ppt |
| Total Hardness |  | 250 | 1 | 450 |
| Solids – | Imhoff Cone | 20 ml | 1 |  |
| ***Tides*** | 4:15 PM | High but falling |  | Incoming tide |