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

**(Salt Front RM 65.9)**

**RIVER MILE East River 1 East – Brooklyn Bridge Park Pier 6**

**Isa Del Bello, Brooklyn Bridge Park Conservancy & Kathy Nolan, St. Frances College**

**PS8 & MS447 Schools (District 13 & 15) - 20 - 7th graders & 3 adults**

**40.6965399 N – -73.99798420000002 W**

**Location:** South of the Manhattan Bridge @ the new Brooklyn Bridge Park Pier 6

**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** –

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 4:15 PM  5:15 PM | | 21.1°C  70 °F | 5:30 PM | 21.1°F  70 °F |
| Wind Speed | 4:30 PM | | Beaufort 2 |  |  |
| Cloud Cover | 4:00 PM clear | |  |  |  |
| Weather today | Rain in the AM 1.11 inches | | | | |
| Weather last 3 days | Light rain last few days - humid | | | | |
| ***Water Surface*** | Choppy |  | |  |  |
| ***Water Temp.*** | 5:05 PM | 18.5°C  65.3 °F | | 18.4°C  65.12 °F |  |
|  | 5:30 PM | 18.6°C  65.48 °F | | 18.4°C  65.12 °F |  |
| ***Turbidity – site tube*** | 5:00 PM | 20 cm  48 cm  21 cm  46 cm  20 cm | |  | Average 31 cm |
| ***Chlorophyll*** |  |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO - tablet | 5:00 PM  5:20 PM |  | | 3.0 mg/L  4.0 mg/L |  |
| pH – meter | 4:55 PM  5:00 PM | 7  7 | | 7  7 | Average 7 |
| Salinity – hydrometer | 4:43 PM | 21 ppt | |  |  |
| ***Fish Catch – seine 20 ft.X4ft. 3/16 mesh*** | Isopod  Glass shrimp  Sea squirts | Sea sponge  Oyster | | 1 |  |
| ***20 ft pulls X4 times*** |  |  | | 1 |  |
| ***Minnow trap*** | **DIVERSITY** | **1** | | **TOTALS** | **2** |
|  | **Macros** | Ctenophores (Comb Jellies) | | **MANY** |  |
| ***Tides*** | 4:30 PM | Close to high but falling | | Falling |  |
| ***Currents*** |  |  | |  |  |
| ***Other Items*** |  |  | |  |  |
| ***Shipping*** | 4:38 PM | Sailboat | | red | South Loaded |
|  | 4:38 PM | Ferry | | White | East Loaded |
|  | 4:39 PM | NY Water Taxi | |  | South Loaded |
| ***Observations*** |  | | | | |