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

**RIVER MILE -4**

**Bush Terminal Pier Park**

**Alexa Sloan, Counseling in School & JHS 223**

**20 Sixth-Eighth graders, 2 adults**

****

|  |  |
| --- | --- |
|  |  |

**Location:** Bush Terminal Pier, North West Brooklyn waterfront

**Area:** Pier – Large rock rip/rap along the waterfront

**Surrounding Land Use:** 90% Industrial Commercial, 10% park

**Sampling Site:** Recreational pier – rocks near the edge, banks altered /riprap, all hard edged, steep wall dividing water from land

**Shoreline:** Rocky, Sandy

**Plants in water:** yes some – 1%

**Plants in area –** planted beds and natural areas include yellow flag, sweet flag (in Port Authority plant selection list for its storm water management capability)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Readings*** |  |  |
| ***Physical*** |  |  |  |  |
| Air Temperature | 4:20 PM | 17°C | 65 °F |  |
| Wind Speed |  |  |  |  |
| Cloud Cover |  |  |  |  |
| Weather today | Clear no rain |  | ***Water surface*** |  |
| Weather recently | No rain for past 3 days. Cold | | | |
| ***Water Temperature*** | 4:20 PM | 19°C\* |  |  |
| ***Turbidity – long sight tube*** | 4:20 | 70 cm |  |  |
| ***Chemical*** | **Time** | **ppm** | **Temp** | **% Sat** |
| DO | 4:20 PM | 9 ppm | 19°C | 95% |
| pH - meter | 4:20 PM | 8 |  |  |
| Salinity | 4:20 PM | 23 ppt |  |  |