**Snapshot Day 10/20/16 Data**

**(Salt Front ~Hudson RM 80)**

**Brx RM 1.5**

**Bronx River at Concrete Plant Park**

Zachary Itzkowitz, Pelham Preparatory Academy, 22 -11th & 12th grade Students

Latitude: 40.8255° N - Longitude: 73.8851° W

Sampling Time: 10:35 - 11:40am

Qualitative Data

|  |  |
| --- | --- |
| Land Type | Pier |
| Surrounding Land Use | Commercial/Industrial and Urban mostly (90%) |
| Water Area | Bottom muddy and rocky |
| Description of Water | Calm |
| Commercial Traffic | None |
| Tide | Low Tide |
| Weather | Warmer than usual (very warm yesterday) |

Quantitative Data

|  |  |  |
| --- | --- | --- |
| Parameter | Group 1 Average Reading | Group 2 Average Reading |
| Air Temperature | 24 degree C | 21.9 degrees C |
| Water Temperature | 20 degree C | 19.75 degrees C |
| Salinity (ppt) | 20ppt | 20.5 ppt |
| Dissolved Oxygen | 5.2ppm  53 % saturated | 5.7 ppm  56% saturated |
| Turbidity | 46 NTU | 72.07 NTU |
| pH | 4.6 | 5.25 |

Life Observations

* Many dead fish on the shores
* Schools of fish observed in the water from the pier
* Two cormorants sitting on the boom in the Bronx River