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

**(Hudson River Salt Front RM 65.9)East River; Pier 16 South Street Seaport - PM group**

**Carrie Vaughn & the Blue School,**

**Maggie Flanagan, South Street Seaport Museum 12 – 2nd graders, 3 adults**

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**Location:** South Street Seaport, Pier 16**Area:** East River; Pier 16**Surrounding Land Use:** Museum, Pier for boat access, 30% Urban/residential and 70% industrial/commercial

**Shoreline:** Pier, large docking with concrete and wood surface,piping entering river

**Plants in water:** None

**Bottom:** Rocky shoreline

**Water:** Choppy

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| --- | --- | --- | --- |
| ITEM | TIME | Reading | Comments |
| ***Physical*** |  |  |  |
| Air Temperature | n/r |  |  |
| Cloud Cover | 1:00 PM | Partly cloudy |  |
| Weather Today | Overcast and heavy rain in the morning broke for partly sunny skies at the sampling time in the early afternoon. | | |
| Weather Recently | 1:30 PM | Partly cloudy | Partly sunny |
| Wind | 1:30 PM | Beaufort Force #2 | Southerly wind |
| Water Temperature | n/r |  |  |
| Water Surface | Choppy |  |  |
| Turbidity – long tube | n/r |  |  |
| ***Chemical*** |  |  |  |
| Salinity | 12:45 PM | 25 pptsalinity | Plastic Hydrometer |
| pH - Color Match Test Kit | n/r |  |  |
| DO (Dissolved Oxygen)-ampules | 1:30 PM | 5.ppm - % saturation |  |
| ***Tides*** | 1:00 PM | flood |  |
| ***Currents –*** | 1:00 PM | flood |  |
| ***Shipping*** | 1:00 PM | 5 Ferries |  |
|  | 1:00 PM | 1 Tour boat |  |