**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 - AM group**

**Heather Page & the High School of Economics & Finance,**

**Maggie Flanagan, South Street Seaport Museum 22 - 11rd & 12th APES students, 3 adults**



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

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

**Bottom:** Rocky shoreline

**Water:** Choppy

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| --- | --- | --- | --- |
| ITEM | TIME | Reading | Comments |
| ***Physical*** |  |  |  |
| Air Temperature | n/r |  |  |
| Cloud Cover |  | Mostly cloudy |  |
| Weather Today |  | Rainy, humid |  |
| Weather Recently | 10:29 AM | Partly cloudy | Consistent rain, chilly |
| Wind | 10:29 AM | Beaufort Force #2 | Southerly wind (strong per Maggie) |
| Water Temperature | 11:11 AM | 23° C |  |
| Water Surface | Choppy |  |  |
| Turbidity – long tube | 10:29 AM | 30 cm |  |
| ***Chemical*** |  |  |  |
| Salinity | 11:35 AM | 27 pptsalinity | Plastic Hydrometer |
| pH - Color Match Test Kit | n/r |  |  |
| DO (Dissolved Oxygen)-ampules | 11:11 AM | 5.5 ppm - % saturation | Water temp, 23°C |
| ***Tides*** | 10:32 AM | Rising | 231.14 cm from pier to waterline |
| ***Site Depth – lead line*** | 10:32 AM | 12 ft. depth |  |
| ***Currents – strong flood current*** | 10:30 AM - Flood  10:37 AM - Flood | Not recorded  541 cm/30 secs | 18.3 cm/sec |
| ***Shipping*** | 10:23 AM | Name:  East River Valley | Color: Blue - loaded |