**A Day in the Life of the Hudson River 10/20/16 data**

**(Salt Front ~ RM 83)**

**East River; Pier 16 South Street Seaport - PM group**

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

**Laura Norwitz, South Street Seaport Museum 25 - 11rd & 12th APES students, 2 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,banks altered

**Bottom:** Rocky shoreline

**Water:** Choppy

|  |  |  |  |
| --- | --- | --- | --- |
| ***ITEM*** | ***TIME*** | ***Reading*** | ***Comments*** |
| ***Physical*** |  |  |  |
| Air Temperature | 3:43 PM | 66 F  18.9 C | Wind – Beaufort 3 SW |
| Cloud Cover |  | overcast |  |
| Weather Today |  | Warm in the PM |  |
| Weather Recently | Warm and dry |  |  |
| Water Surface | Choppy |  |  |
| Water Temperature | 20 C  68.6 F |  |  |
| Turbidity – long tube | 2:55 PM | 56 cm  64  65 | 62 cm |
| ***Chemical*** |  |  |  |
| DO | 3:03 PM | 20 C  20 C  20C | 7 ppm – 75%  7 ppm – 75%  6 ppm – 65% |
| Salinity | 2:46 PM | 23 pptsalinity | Plastic Hydrometer |
| Currents | 3:00 PM | ebb |  |
|  | 3:40 PM | ebb |  |
|  | 4:00 PM | ebb |  |
|  | 4:10 PM | ebb |  |
| ***Macro- invertebrates*** | Hermit Crab  Mud Crab  Skeleton Shrimp  Sea Squirt | 1  2 (F, M)  1  1 |  |
| ***Commercial Shipping*** | 3:17 PM | Big White Boat - white | North - loaded |
|  | 3:17 PM | Southriver Taxi - yellow | South - light |
|  | 3:19 PM | East River Ferry - blue | North - light |
|  | 3:33 PM | Hornblower serenity - white | North - loaded |
|  | 3:33 PM | Tugboat - red | North - loaded |