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

**RIVER MILE East River 1 East – Dumbo Under Manhattan Bridge**

**Janet Villas, Brooklyn Friends School, 17 eight graders, and 3 adults**

**Isa Del Bello and staff from the Brooklyn Bridge Conservancy**

**Latitude 40.704546 – Longitude 73.988771**

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**Location:** East River**, s**outh of the Manhattan Bridge @ the new Brooklyn Bridge Park, Dumbo Section

**Area:** Urban residential, Park

**Surrounding Land Use:** pier, grassy

**Sampling Site:** Sandy beach and riprap, rocky

**Plants in area:** no plants noted in water

**Water depth**:

**River Bottom**: Sandy

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| --- | --- | --- | --- | --- |
| ***ITEM*** | ***TIME*** | ***10/16/14 Data***  | ***TIME*** | ***10/20/14 Data*** |
| ***Physical*** |   |  |  |  |
| Air Temperature | 8:45 AM | 13.2 °C56 °F |  |  |
| Wind Speed |  |  |  |  |
| Cloud Cover | Partly Cloudy 26-50% |  |  |  |
| Weather today | No rain |  | AM | Cool but sunny  |
| Weather last 3 days | Unseasonably cool |
| ***Water Surface*** | Choppy |  |  |  |
| ***Water Temp.*** | 8:45 AM | 15.1°C | It is a bit cloudy & you can’t see through very well. Looks more clear in the river |
| ***Turbidity – tube*** | AM | 28cm |  |  |
| ***Coliform Bact.*** |  | Positive |  | Positive |
| ***Chemical*** |  |  |  |  |
| DO -vernier | 8:45 AM | 14.2 ppm |  |  |
| pH - meter | 8:45 AM | 7.01 |  | 8 |
| Salinity – vernier meter | 8:45 AM | 17.3 ppt |  |  |
| Solids –  | Imhoff Cone  | 20 ml | 1 |  |
| ***Tides*** | 4:15 PM  | Lowtide |  | Incoming tide |
| ***Fish – seine – 10 ft. net***  | 6 comb jellies |  |  |  |
| ***Commercial Ships - Time*** | ***Name*** | ***Color***  | ***N/S*** | ***Loaded/Light*** |
| 8:50 AM | East River Ferry | White & Blue | N | Loaded |
| 8:55 AM | East River Ferry | White & Blue | S | Loaded |
| 9:01 AM |  | White | S | Light |
| ***Recreational Ships*** | ***Name*** | ***Color***  | ***N/S*** | ***Loaded/Light*** |
| 8:56 AM | Seastreak | White | S | Light |
| ***Sediment Core from Dumbo*** | ***Length***  | ***Rare***  | ***Abundant***  | ***Other Comments*** |
|  | 16 cm  | Clay | Sand | No H2S smell |
|  |  | Mud |  | No oil |
|  |  | Gravel |  | No oxidized top |
|  |  | Pebbles |  |  |
|  |  | Brick |  |  |
| ***Other items***  | Waterfront has bricks, sand and groomed park.  |