**Day in the Life of the Hudson River 10/10/13 Data**

**(Salt Front RM 69.3)**

**RIVER MILE 2.5**

**Hudson River Pier #45 - Christopher Street**

**Hana Takebe**

**Wallerstein Collaborative for Urban Environmental Education/NYU (6 Adults)**

**Blue School 19 students & Chelsea High School two groups 25 each (50 total CHS) plus teachers**

**(69 students and 10 adults)
**

**Location:** Christopher Street Pier West end closest to the roadway on the South side

**Area:** Pier – bulkhead – mainly metal and wooden pier

**Surrounding Land Use:** roads and parking lots nearby, very little tree or grass cover

**Sampling Site:** Recreational pier

**Plants in area:** None

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |   |  |  |  |
| Air Temperature | 10:40 AM10:50 AM11:06 AM11:17 AM11:55 AM12:06 PM12:22 PM12:36 PM12:54 PM1:01 PM1:24 PM1:31 PM | 16°C16161616°C17171717 °C171717 | Blue SchoolChelsea HS 1Chelsea HS 2 |  |
| Wind Speed | Windy  |  |  |  |
| Cloud Cover | AM sunnyPM cloudy |  |  |  |
| Weather today | Windy, cloudy & cold |
| Weather recently | Sunny & warm |
| Water description | Choppy & murky |
| ***Water Temperature*** | 10:40 AM10:50 AM11:06 AM11:17 AM11:55 AM12:06 PM12:22 PM12:36 PM12:54 PM1:01 PM1:24 PM1:31 PM | 15°C15151515°C14161415°C141515 | Blue SchoolChelsea HS 1Chelsea HS 2 |  |
| ***Turbidity – 60 cm site tube*** | 10:37 AM10:49 AM11:07 AM11:16 AM11:53 AM12:08 PM12:34 PM12:40 PM12:56 PM1:04 PM1:27 PM1:37 PM | >60>60>60>60>60>60>60>60>60>60>60>60 | Blue SchoolChelsea HS 1Chelsea HS 2 |  |
| ***Chemical*** |  |  |  |  |
| DO (ampules - chemettes) | 12:00 PM – 1:00 PM | 6.6 mg/L6.0 | Chelsea HS 1Chelsea HS 2 |  |
| pH – litmus paper | 10:40 AM10:50 AM11:00 AM11:10 AM11:20 AM | 77.57.37.57 | Wide range solution | 7.57.37.38.57 |
| Salinity |  | Hydrometer | refractometer |  |
|   | 10:40 AM10:50 AM11:1 AM11:20 AM12:10 PM12:30 PM12:50 PM1:05 PM1:25 PM1:30 PM | 15 ppt1816.715.416.716.522.220.621/720.6 | 142020202020 | Blue SchoolChelsea HS 1Chelsea HS 2 |
| **Tides** | 10:40 AM11:53 AM12:54 PM | High Mid tideMid tide | Blue SchoolChelsea HS 1Chelsea HS 2 |  |
| **Other**  | Boats, birdsWater Bottle (trash) |  |  |  |