**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 AM  10:50 AM  11:06 AM  11:17 AM  11:55 AM  12:06 PM  12:22 PM  12:36 PM  12:54 PM  1:01 PM  1:24 PM  1:31 PM | | 16°C  16  16  16  16°C  17  17  17  17 °C  17  17  17 | Blue School  Chelsea HS 1  Chelsea HS 2 |  |
| Wind Speed | Windy | |  |  |  |
| Cloud Cover | AM sunny  PM cloudy | |  |  |  |
| Weather today | Windy, cloudy & cold | | | | |
| Weather recently | Sunny & warm | | | | |
| Water description | Choppy & murky | | | | |
| ***Water Temperature*** | 10:40 AM  10:50 AM  11:06 AM  11:17 AM  11:55 AM  12:06 PM  12:22 PM  12:36 PM  12:54 PM  1:01 PM  1:24 PM  1:31 PM | 15°C  15  15  15  15°C  14  16  14  15°C  14  15  15 | | Blue School  Chelsea HS 1  Chelsea HS 2 |  |
| ***Turbidity – 60 cm site tube*** | 10:37 AM  10:49 AM  11:07 AM  11:16 AM  11:53 AM  12:08 PM  12:34 PM  12:40 PM  12:56 PM  1:04 PM  1:27 PM  1:37 PM | >60  >60  >60  >60  >60  >60  >60  >60  >60  >60  >60  >60 | | Blue School  Chelsea HS 1  Chelsea HS 2 |  |
| ***Chemical*** |  |  | |  |  |
| DO  (ampules - chemettes) | 12:00 PM – 1:00 PM | 6.6 mg/L  6.0 | | Chelsea HS 1  Chelsea HS 2 |  |
| pH – litmus paper | 10:40 AM  10:50 AM  11:00 AM  11:10 AM  11:20 AM | 7  7.5  7.3  7.5  7 | | Wide range solution | 7.5  7.3  7.3  8.5  7 |
| Salinity |  | Hydrometer | | refractometer |  |
|  | 10:40 AM  10:50 AM  11:1 AM  11:20 AM  12:10 PM  12:30 PM  12:50 PM  1:05 PM  1:25 PM  1:30 PM | 15 ppt  18  16.7  15.4  16.7  16.5  22.2  20.6  21/7  20.6 | | 14  20  20  20  20  20 | Blue School  Chelsea HS 1  Chelsea HS 2 |
| **Tides** | 10:40 AM  11:53 AM  12:54 PM | High  Mid tide  Mid tide | | Blue School  Chelsea HS 1  Chelsea HS 2 |  |
| **Other** | Boats, birds  Water Bottle (trash) |  | |  |  |