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

(Salt Front RM 69.3)

**RIVER MILE -1**

**Governor’s Island, Upper NY Bay/Buttermilk Channel**

**Sam Janis - New York Harbor School**

**20 students 9-12th graders, 3 adults**

**Latitude N 40°41’30.15” - Longitude W074°46.14’**

**Location:** Pier 101, NE Governor’s Island – Upper NY Bay

**Area:** Pier along waterfront of the island

**Surrounding Land Use:** 100% converted to public access programs (education, boating, recreation)

**Sampling Site:** Pier, shoreline is bulkheaded

**Plants in area:** None

**Water depth**: surface samples

**Times:** Data collected throughout the day

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature |  | |  F |  |  |
| Wind Speed | windy | | 8 mph |  |  |
| Cloud Cover | Cloudy | | Stratocumulus clouds |  |  |
| Weather today | Windy, cloudy, cold and light rain | | | | |
| Weather recently |  | | | | |
| ***Water surface*** |  | | | | |
| ***Water Temperature*** |  | 17 C | |  |  |
| ***Turbidity – turbidity tube*** |  | 57 cm | |  |  |
|  |  |  | |  |  |
| ***Chlorophyll*** |  |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO  (chemmet kit) |  | 17 C | | 7 mg/L | 70% saturation |
| pH – Lamotte colormetric |  | 7 | |  |  |
| Salinity  (Hydrometer) |  | 21 ppt | |  |  |
| ***Tides*** |  |  | |  |  |
| ***Currents*** |  |  | |  |  |