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

**RIVER MILE 57**

**Donahue Memorial Park, Cornwall Landing, Village of Cornwall-On-Hudson, Town of Cornwall, Orange County, NY**

**Christopher O’Sullivan, NYSOPRHP Trailside Museums & Zoo**

**Deborah Gilson and teacher team @ Willow Ave. Elementary -**

**4th grade – 75 – students, 14 adults**

**GPS Latitude 41°26’36”N Longitude 74°0’1”W**



**Location:** Donahue Memorial Park

**Area:** Sandy beach used for seining & sediment core, 2nd beach are for other sampling.

**Surrounding Land Use:** 100% open and grassy park

**Sampling Site:** pier**,** sandy beach, altered banks, shoreline riprap, bulkhead, collected wood & debris in area,

**Plants in area:** NR

**Water depth**: NR

**River Bottom** – muddy, rocky

**Observations –** Rocky, algae in sampling area and sampled in sunlight

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 10:46 AM | 26°C |  |  |
| Wind Speed | 9:30 AM | #3 Beaufort | 7-10 km8-12 kts | NW |
| Cloud Cover | Partly cloudy | (26-50%) |  |  |
| Weather today | Gentle breeze |
| Weather recently | Some snow and cold |
| ***Water Temperature*** | 9:56 AM10:03 AM (students)  | 12°C12°C |  |  |
| ***Water Surface*** | NR |  |  |  |
| ***Turbidity*** *Long sight tube* | 12:23 PM | 14 cm1712 |  | Average 14.3 cm |
| ***Chlorophyll*** | 12:15 PM | 1.0 |  |  |
| ***Chemical*** |  |  |  |  |
| DO Drop count kit | NR |  |  |  |
| pH (indicator sol.) | 10:04 AM | 7.0 |  |  |
| Salinity -  | 10:07 AM  | Salinity 348 mg/L Cl-  | 629 mg/L total salinity  |  |
| ***Fish Catch*** | ***Number Caught*** | ***Species*** | ***Size*** | ***Comment*** |
| **Total Catch** |  |  |  |  |
| ***Tides*** | TIME | RISING/FALLING | HEIGHT IN CM | RATE OF CHANGE |
|  | 11:55 AM | Falling  | -10 cm |  |
|  | 1:00 PM |  |  |  |
| ***Currents*** | 12:00 PM |  |  | Flood |
| ***Boat*** |  |  |  |  |
| ***Other Observations*** |  |  |  |  |