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

**(Salt Front RM 69.3)**

**RIVER MILE 60 – Dennings Point**

****

**Sean Dickinson, Chad Cianfrani, Miriam Straus, Oakwood Friends School,**

**6th-9th grade, 40 students, 4 adults**

|  |  |
| --- | --- |
|  |  |

**Location:** Dennings Point, Beacon, Dutchess County

**Area:** Beach with large piping entering river. Believe area mostly used for sightseeing and fishing. Found a homemade crab trap on the beach!

**Surrounding Land Use:** Nature preserve with few buildings, 60% forested; 30% beach; 10% buildings

**Sampling Site:** Beach, covered with vegetation, rocky & sandy

**Testing:** 9:00-12:30 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature |  | |  |  |  |
| Wind Speed |  | |  |  |  |
| Cloud Cover |  | |  |  | |
| Weather today |  | | | | |
| Weather recently |  | | | | |
| ***Water Temperature*** |  |  | |  |  |
| ***Water Surface*** |  |  | |  |  |
| ***Turbidity – long site tube*** | AM | 24 cm | |  |  |
| ***Chlorophyll*** |  |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO  (drop count kit) | AM | 7 mg/L | |  |  |
| pH | AM | 7.5 | |  |  |
| Salinity - quantab | AM | 7.8 | | 603 ppm Cl- | 1085 ppm T.S. |
| ***Fish Catch*** | ***Number Caught*** | ***Species*** | | ***Length*** | ***Seine*** |
|  | 20 | Bay Anchovy | |  |  |
|  | 4 | White Perch | |  |  |
|  | 3 | Herring | |  |  |
|  | 9 | Shiner | |  |  |
| ***Total Catch*** | **36** | **Diversity** | | **4** |  |
| ***Macros*** | 1 | Crab | |  |  |