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

**RIVER MILE 55**

**Little Stony Point**

**Pete Salmansohn, Andrea Maasik, of the Hudson Highlands Land Trust**

**Mark Patinella, Leah Horn additional teachers/chaperones,**

**18 Haldane Middle (8th) & 20 High (12th) Schools total 38 students**

**41°N - 73°W**

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

**Location:** Little Stony Point beach, Cold Spring, Putnam County

**Area:** On the beach at Little Stony Point, facing Beacon across from Storm King

**Surrounding Land Use:** 100% forested & beach

**Sampling Site:** beach area, concrete, docking

**Plants in area:**

**Water depth**:

**River Bottom** –sandy

**SAMPLING TIMES 9AM to 1PM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 10:00 AM10:30 AM11:18 AM12:02 PM | 10°C12.8°C8.9 °C12.2 °C |  |  |
| Wind Speed | 10:00 AM10:30 AM11:18 AM12:02 PM | 17-21 kts11-16 kts17-21 kts11-16 kts | CloudyCloudyLight raincloudy |  |
| Cloud Cover | Overcast |  |  |  |
| Weather today | Overcast, drizzle rain |
| Weather recently | Fall like |
| ***Water***  |  |
| ***Water Temperature*** | 10:00 AM10:30 AM11:18 AM12:02 PM | 14°C20.220.518 |  |  |
| ***Turbidity –***  | 10:00 AM10:30 AM11:18 AM12:02 PM | 100 JTU40 JTU55 JTU110 JTU |  |  |
| ***Chlorophyll*** |  |  |  |  |
| ***Chemical*** |  |  |  |  |
| DO (ampules) | 10:00 AM10:30 AM11:18 AM12:02 PM | 8 mg/L787 | 14°C20.220.518 | 85% saturated757570 |
| pH | 10:00 AM10:30 AM11:18 AM12:02 PM | 8888 |  |  |
| Salinity – quantabs | 10:00 AM10:30 AM11:18 AM12:02 PM | 8.4 quantab #9.0 quantab #8.8 quantab #8.2 quantab # | ppm Cl- | ppm total salinity |
| ***Fish & Crab Catch*** | ***Time*** | ***Species*** | ***Number*** | ***Size*** |
| **Diversity- 3** | 10:00 AM | White Perch | 1 | 4 inches |
| **Totals - 4** |  | Darters | 2 |  |
|  |  | Blue Crab | 1 | Male |
| **Diversity- 3** | 10:30 AM | Striped Bass | 1 | 2.5 inches |
| **Totals - 2** |  | Blue Crab | 1 | Male |
| **Diversity – 6** | 11:18 AM | White perch | 8 | 7.5 inches |
| **Totals** - **15** |  | Killifish | 1 |  |
|  |  | Pumpkin seed | 2 |  |
|  |  | American eel | 1 |  |
|  |  | Darter  | 2 |  |
|  |  | Blue Crab | 1 | Male |
| **Diversity- 4** | 12:02 PM | Darter | 1 |  |
| **Totals - 4** |  | Smallmouth Bass | 1 |  |
|  |  | Blue Gill | 1 |  |
|  |  | Blue Crab | 1 | Male |
| 2 | **TOTAL** | **DIVERSITY - 9**  | **NUMBERS** | **25** |
| ***Tides*** | 10:00AM10:30AM11:18AM12:02PM | 19 cm22 cm38 cm47 cm | Rising  |  |
| **Currents** | **Time** | **Cm/30 sec** | **Cm/Sec** |  |
|  | 10:00 AM10:30 AM11:18 AM12:02 PM | 70cm/sec97 cm/sec95.4 cm/sec247 cm/sec | 2.3 cm/sec3.2 cm/sec3.2 cm/sec8.2cm/sec |  |
| ***Core Description*** | ***Length*** | ***Rare*** | ***Common*** | ***Abundant*** | ***Notes*** |