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

**RIVER MILE 55**

**Little Stony Point**

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

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

**30 Haldane Middle (7th) and 5 chaperones**

**41°25’N - 73°58’W**

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

**Area:** On the beach at Little Stony Point, facing Beacon across from Storm King, swimming, picnics, boating, jogging and fishing are main uses

**Surrounding Land Use:** 80% forested & 20% beach

**Sampling Site:** beach area, concrete, dockingwith pier

**River Bottom** –sandy

**SAMPLING TIMES 9AM to 1PM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 9:50 AM10:00 AM10:33 AM11:33 AM | 10°C10°C10°C11.7°C | 50 °F50 °F50 °F53 °F |  |
| Wind Speed | 9:50 AM | Beaufort 1 |  |  |
| Cloud Cover | 9:50 AM10:00 AM10:33 AM11:33 AM12:00 PM | Mostly cloudyMostly cloudyPartly cloudyPartly cloudyPartly cloudy  |  |  |
| Weather today | No rain |
| Weather recently | Fall like, cool |
| ***Water***  | NR |
| ***Water Temperature*** | 9:50 AM10:00 AM10:33 AM11:33 AM | 15.6°C15.615.615.6 | 60 °F60 °F60 °F60 °F |  |
| ***Turbidity –***  | 9:50 AM10:00 AM10:33 AM11:33 AM | 2.5 ml std turbid1 ml1.5 ml1.5 ml |  |  |
| ***Chemical*** |  |  |  |  |
| DO (ampules) | 9:50 AM10:00 AM10:33 AM11:33 AM12:00 PM | 9 mg/L788 | 15.6°C15.615.615.6 | 90% saturated75%80%80% |
| pH – wide range pH strips | 9:50 AM10:00 AM10:33 AM11:33 AM12:00 PM | 6.56.56.56.5 |  |  |
| Salinity – quantabs -LR | NR |  |  |  |
| ***Fish & Crab Catch*** | ***Time*** | ***Species*** | ***Number*** | ***Size of Largest*** |
| **Diversity-7** |  | White Perch | 4 | 13 cm |
| **Totals - 13** |  | Catfish | 1 | 8 cm |
|  |  | Tessellated Darter | 1 | 5 cm |
|  |  | Goby  | 2 | 8 cm |
|  |  | Hog Choker | 3 | 4 cm |
|  |  | Pumpkinseed sunfish | 1 | 8 cm |
|  |  | Spottail Shiner | 1 | NR |
| **Macroinvert** |  | Bluecrabs (Female)  | 2 |  |
| **Div = 2****Totals 4** |  | Crabs (Male)  | 2 |  |
| ***Tides – tide stick*** | 9:50 AM10:00 AM10:33 AM11:33 AM12:00 PM | 2 cm2 cm8.5 cm12 cm8.5 cm | StillRisingRisingRising |  |
| **Currents** | **Time** | **Cm/sec** | **kts** |  |
|  | 9:50 AM10:33 AM | 24.6 cm/sec23.9 cm/sec |  | Flood |
| ***Core Description*** | ***Length*** | ***Rare***  | ***Common*** | ***Abundant*** | ***Notes*** |
| ***Traffic***  |  |  |  |  |
| ***Other Observations***  |  |