**Day in the Life of the Hudson River 10/20/16 Data**

**RIVER MILE 55**

**(Salt Front ~RM 83)**

**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**

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**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 AM  10:00 AM  10:33 AM  11:33 AM | | 10°C  10°C  10°C  11.7°C | | | 50 °F  50 °F  50 °F  53 °F |  |
| Wind Speed | 9:50 AM | | Beaufort 1 | | |  |  |
| Cloud Cover | 9:50 AM  10:00 AM  10:33 AM  11:33 AM  12:00 PM | | Mostly cloudy  Mostly cloudy  Partly cloudy  Partly cloudy  Partly cloudy | | |  |  |
| Weather today | No rain | | | | | | |
| Weather recently | Fall like, cool | | | | | | |
| ***Water*** | NR | | | | | | |
| ***Water Temperature*** | 9:50 AM  10:00 AM  10:33 AM  11:33 AM | 15.6°C  15.6  15.6  15.6 | | | 60 °F  60 °F  60 °F  60 °F | |  |
| ***Turbidity –*** | 9:50 AM  10:00 AM  10:33 AM  11:33 AM | 2.5 ml std turbid  1 ml  1.5 ml  1.5 ml | | |  | |  |
| ***Chemical*** |  |  | | |  | |  |
| DO  (ampules) | 9:50 AM  10:00 AM  10:33 AM  11:33 AM  12:00 PM | 9 mg/L  7  8  8 | | | 15.6°C  15.6  15.6  15.6 | | 90% Sat.  75%  80%  80% |
| pH – wide range pH strips | 9:50 AM  10:00 AM  10:33 AM  11:33 AM  12:00 PM | 6.5  6.5  6.5  6.5 | | |  | |  |
| 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 AM  10:00 AM  10:33 AM  11:33 AM  12:00 PM | 2 cm  2 cm  8.5 cm  12 cm  8.5 cm | | | Still  Rising  Rising  Rising | |  |
| **Currents** | **Time** | **Cm/sec** | | | **kts** | |  |
|  | 9:50 AM  10:33 AM | 24.6 cm/sec  23.9 cm/sec | | |  | | Flood |
| ***Core Description*** | ***Length*** | ***Rare*** | | ***Common*** | ***Abundant*** | | ***Notes*** |
| ***Traffic*** |  |  | | |  | |  |
| ***Other Observations*** |  | | | | | | |