**Day in the Life of the Hudson River 10/29/14 Data**

**(Salt Front RM 65.3)**

**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 6 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 | Not recorded |  |  |  |
| Wind Speed | 9:45 AM10:20 AM10:50 AM | Beaufort 1Beaufort 1Beaufort 1 | South | OvercastMostly cloudyMostly cloudy |
| Cloud Cover | Overcast |  |  |  |
| Weather today | No rain |
| Weather recently | Fall like, some rain |
| ***Water***  | calm |
| ***Water Temperature*** | 10:19AM10:53 AM1:50 PM | 15°C1515 |  |  |
| ***Turbidity –***  | 10:27 AM10:28 AM | 50 JTU70 JTU |  |  |
| ***Chemical*** |  |  |  |  |
| DO (ampules) | 10:19AM10:53 AM1:50 PM | 8 mg/L87 | 15°C15.515 | 80% saturated80%68% |
| pH – wide range pH strips | 10:19AM10:53 AM1:50 PM | 7-888 |  |  |
| Salinity – quantabs -LR |  | 1.4 reading | 35 ppm Cl- | 81 ppm total salinity |
| ***Fish & Crab Catch*** | ***Time*** | ***Species*** | ***Number*** | ***Size*** |
| **Diversity-6** | **Group 1** | White Perch | 1 |  |
| **Totals - 29** |  | Hogchoker | 2 | 1 inch |
|  |  | Tessellated Darter | 10 | 2 inch |
|  |  | Spottail Shiner | 10 | 2.5 inch |
|  |  | Catfish | 5 | 1.5 inch |
|  |  | Herring | 1 |  |
| **Diversity- 4** | **Group 2** | White Catfish | 2 | 2.5 inch |
| **Totals - 12** |  | Spottail Shiner | 6 | 4 inch |
|  |  | Pumpkin Seed Sunny | 2 | 3 inch |
| **Plus 1 crab** |  | Tessellated Darter | 2 | 3 inch |
|  |  | Blue Crab | 1 | 1.5 inch |
| **Diversity - 2** | **Group 3** | White Perch | 2 |  |
| **Totals - 27** |  | Herring  | 25 |  |
| **Plus 3 crab** |  | Blue Crab  | 3 |  |
| **GRAND**  | **TOTAL** | **DIVERSITY – 7 fish + 1 crab**  | **NUMBERS** | **68 fish + 4 crab** |
| ***Tides – tide stick*** | 9:54 AM10:28 AM10:57 AM | 50 cm40 cm50 cm | SetFallingRising  |  |
| **Currents** | **Time** | **Cm/sec** | **kts** |  |
|  | 9:59 AM10:36 AM10:46 AM | 19.7 cm/sec21.6 cm/sec13.5 cm/sec | 0.38 kts0.42 kts0.26 kts | FloodFloodFlood |
| ***Core Description*** | ***Length*** | ***Rare***  | ***Common*** | ***Abundant*** | ***Notes*** |
| ***Group1***  |  |  | Mud | Sand GravelPebbles |  |
| ***Group 2*** |  | MudPebbles |  | SandGravel |  |
| ***Group 4*** |  | Mud | Sand Gravel | Pebbles |  |
| ***Group 3***  | ***Unable to do this rotation*** |  |  |  |
| ***Traffic***  | None observed |  |  |  |
| ***Other Observations***  | Water chestnut seeds, rocks, sand, grass, shells, birds, insects, driftwood, birds and squirrels |