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

**RIVER MILE 35E**

**Croton Point Park, Croton on Hudson**

**Catherine Brennan – Pierre Van Cortland MS –125 5th graders and 6 adults**

**Location:** Mother’s Lap, Croton Park NY

**Area:** Rocky beach surrounded by rising forested land and small yard and driveway

**Surrounding Land Use:** Forested 70%, Beach 30%

**Sampling Site:** Beach area with with raprap @ north end, collected wood debris in area

**River Bottom** – sandy/rocky bottom

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** |  | | ***Comments*** |
| ***Physical*** |  | |  |  | |  |
| **Air Temperature** | PM | | 70 °F in shade  80 °F in sun |  | |  |
| **Wind Speed** | **Time** | | **Beaufort #0** |  | |  |
| Cloud Cover | clear | |  |  | |  |
| Weather today | Clear | | | | | |
| Weather recently | Cold | | | | | |
| ***Water Temperature*** | AM | 52 ° F | | |  |  |
| ***Water*** | Calm |  | | |  |  |
| ***Chemical*** | ***TIME*** | ***Reading*** | | |  |  |
| ***DO*** | AM | 8.0 ppm | | |  |  |
| **pH** | AM | 6 | | |  |  |
| ***Salinity -*** | AM - | Reported at 9.0 ppt \* | | | \*too high – must be error |  |
| ***Sediment Core*** | **Comment** | **Abundant** | | | **Common** | **Rare** |
|  | Lighter color on top with an oil texture | Sand | | | Mud | Clay  Gravel |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Fish –*** | ***AM*** | ***PM*** | ***Species*** |  |  |
|  | 25 | 50 | Atlantic Silversides |  |  |
|  | 1 | 0 | Bay Anchovy |  |  |
|  | 15 | 0 | Alewife |  |  |
|  | 3 | 0 | Northern Pipefish |  |  |
|  | 3 | 5 | Striped Bass |  |  |
|  | 1 | 0 | Hog Choker |  |  |
|  | 2 | 4 | White Perch |  |  |
| **Total Fish** | **50** | **59** | **Diversity 7** |  |  |
| **Macroinvertebrates** | 0 | 3 | Blue Crab |  |  |
| **Total Macro 3** |  | | **Diversity 1** |  |  |