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

**(Salt Front RM 69.3)**

**RIVER MILE 35E**

**Croton Point Park, Croton on Hudson**

**Maureen Dillon, Jennifer Barth, Catherine Brennan – Pierre Van Cortland MS –150 5th graders**

**Latitude 41degrees 11.174’N Longitude 73 degrees 53.913’W**

|  |  |
| --- | --- |
| **Macintosh HD:Users:margie:Documents:Snapshot Day:2013:photos:Croton Digging.jpg** | **Macintosh HD:Users:margie:Documents:Snapshot Day:2013:photos:Core croton.jpg** |

 **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** |  |  |  |  |
| **Wind Speed** | **Time** | **Beaufort #** |  |  |
| Cloud Cover | cloudy |  |  |  |
| Weather today | Some rain |
| Weather recently | Fall like |
| ***Water Temperature*** | AM |  |  |  |
| ***Turbidity –*** **turbidity tube** | AM | 35 cm |  |  |
| ***Chemical***  | ***TIME*** | ***Reading*** |  |  |
| ***DO*** | AM | 6.0 ppm |   |  |
| **pH (litmus paper)** | AM |  |  |  |
| **Nitrates** | AM | 0.25 ppm | Nitrite | 5-10 ppm |
| **Ammonia** | AM | 0.25 ppm |  |  |
| ***Salinity -***  | AM | 10 ppt |   |  |
| ***Tides*** |  |  |  |  |
| ***Currents*** |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Fish –***  | ***Number*** | ***Species*** |  | ***Totals*** |
| Multiple seines | 4 | Atlantic Silversides |  | **Diversity 2** |
|  | Lots | Ctenophores (Comb Jellies) |  | **Total Catch 4 +** |
| ***Core Sample*** | ***Abundant*** | ***Common*** | ***Rare*** |  |
|  | Gravel | Mud | ClaySandPebblesWoodShells/oysterBrickCoalLiving VegetationFish Bones |  |