**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**

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| --- | --- |
| **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

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| ***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*** |  |  | | |  |  |

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| ***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 | Clay  Sand  Pebbles  Wood  Shells/oyster  Brick  Coal  Living Vegetation  Fish Bones |  |