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

**RIVER MILE 3.5**

**Pier 66, Frying Pan,**

**Stephany Arcentales– Avenues: The World School –123 2nd graders and 12 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 shade80 °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 low – must be error |  |
| ***Sediment Core***  | **Comment** | **Abundant** | **Common** | **Rare** |
|  | Lighter color on top with an oil texture | Sand | Mud | ClayGravel |

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