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

**(Salt Front RM 69.3)**

**RIVER MILE 76**

**Waryas Park, Poughkeepsie, Dutchess County**

**Brian Reed, Sue Parise, Poughkeepsie Day School, 38 students, 2nd-3rd gr.**

**N 41°7’ – W 73°9’**

**Location:** Waryas Park, Poughkeepsie, New York.

**Area:** public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

**Surrounding Land Use:** 30 % urban/residential; 30% forested; 40% park area with grass and waterfront docks

**Sampling Site:** shoreline is riprap, vegetation, banks altered, pier, rocky

**Plants in area:** Yes –50 % grass, 25 % frens and small plants, 25% maple trees

**Tidal Shallows:**

**River Bottom** –muddy, rocky

**Sample Times 9:30-11:30 AM**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** | |
| ***Physical*** |  | |  |  |  | |
| Air Temperature |  | | Chillier than expected! |  |  | |
| Wind Speed | 10:13AM | | #4 | 4.3 mph North | | |
| Cloud Cover | overcast 75% | |  |  |  | |
| Water | choppy | | | | | |
| Observations |  | | | | | |
| ***Water Temp.*** | 10:15 AM | 16 degrees C | |  | | . |
| ***Turbidity – long site tube*** | 10:26 AM  11:00 AM  11:38 AM | 38 cm  42 cm  59 cm | |  | |  |
| ***Chlorophyll*** |  |  | |  | | 1.5 |
| ***Chemical*** |  |  | |  | |  |
| DO - LaMotte kit | 11:00 AM | 3 ppm | |  | |  |
| pH – color match | 11:00 AM | 7.5 | |  | |  |
| Salinity - | 11:15 AM | 1.4 on strip | | 32 ppm Cl- | | 58 ppm total salinity |
| ***Fish Catch – 10feet net*** | ***Number Caught*** | ***Species*** | | ***Largest*** | |  |
| 10:11 AM: 12-15 sweeps of the net in 2 locations – boat ramp and beach | 1 | Blue Crab | | **Totals 1** | | **Diversity 1** |
| ***Tides*** | 10:11 AM  10:40 AM  11:07 AM  11:26 AM | 16 cm  8 cm  2 cm  0 cm | | Overall drop 16 cm | | Ebbing |
| ***Currents*** | 10:26 AM | 853cm/30sec | | 28.4 cm/sec | | 0.55 kts. EBB |
| ***Core*** | **Length of Core** | **Rare** | | **Common** | | **Abundant** |
| ***Shipping*** | 10:00 AM | 2 Motor yachts | | southbound | |  |
|  | Docked | Ferryboat | | Mystere | |  |
| ***Observations*** | Brick flecks on the ground. And water chestnut seeds (devil head’s), saw cats, geese, people, ducks, gulls, helicopter, train | | | | | |
|  | **Seine Station:** caught a bicycle in the seine net by the south dock! | | | | | |