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

**RIVER MILE 76**

**Waryas Park, Poughkeepsie, Dutchess County**

**Sharon Ellis, Walkill HS, 25 students, 9th gr Living Environment, 3 adult**

**N 41°7056’ – W -73°9403’**

**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:** 75 % industrial/commercial; 25% park area with grass and waterfront docks

**Sampling Site:** shoreline is 100% riprap along the water with vegetation, banks altered, pier, alongside and behind

**Plants in area:** No plants in water area

**Tidal Shallows:**

**River Bottom** - rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature |  | Chillier than expected! |  |  |
| Wind Speed | 11:23 PM  | #2 |  |
| Cloud Cover | 10:30 AM | Partly cloudy  | 26-50% |  |
| Water | choppy |
| Observations |  |
| ***Water Temp.*** | 10:41 AM | 17 degrees C | 60 degrees F | Direct sun |
| ***Turbidity – long site tube*** | 11:19 AM  | 33 cm34 cm30 cm |  | 32.3 average |
| ***Chemical*** |  |  |  |  |
| DO - LaMotte kit | Unable to collect  | Chemicals expired  |  |  |
| pH – color match | 10:50 AM11:20 AM11:36 AM | 7.5 7.57.5 | 7.5 7.57.5 | 7.5 Averages 7.57.5 |
| Salinity -  | 10:38 AM | 1.5 on strip  | 41 ppm Cl-  | 74 ppm total salinity |
| ***Fish Catch – 10feet net*** | ***Number Caught*** | ***Species*** |  ***Largest*** |  |
| Unable to catch anything  |  |  |  |  |
| ***Tides*** |  |  |  |  |
| ***Currents*** | 10:15 AM | 180cm/30sec | 3cm/sec  | 0.06 kts. EBB |
| ***Core – 10:30 AM***  | **Length of Core** | **Rare** | **Common**  | **Abundant** |
|  |
| Description - strong odor, soft consistency, 2 cm piece of wood, small shells hard mud | 14 cm long – H2S smell  | BrickCoalSlagLiving Vegetation | MudPebblesWoodShells |  |
| ***Shipping*** | 12:00 PM  | Barge – Black  | southbound | Loaded  |
|  | 12:18 PM | Barge – Gray  | Northbound | Loaded |
| ***Observations*** | Brick, water chestnut seeds  |
|  |  |