**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 cm  34 cm  30 cm | |  | | 32.3 average |
| ***Chemical*** |  |  | |  | |  |
| DO - LaMotte kit | Unable to collect | Chemicals expired | |  | |  |
| pH – color match | 10:50 AM  11:20 AM  11:36 AM | 7.5  7.5  7.5 | | 7.5  7.5  7.5 | | 7.5 Averages  7.5  7.5 |
| 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 | Brick  Coal  Slag  Living Vegetation | | Mud  Pebbles  Wood  Shells | |  |
| ***Shipping*** | 12:00 PM | Barge – Black | | southbound | | Loaded |
|  | 12:18 PM | Barge – Gray | | Northbound | | Loaded |
| ***Observations*** | Brick, water chestnut seeds | | | | | |
|  |  | | | | | |