**Day in the Life of the Hudson River 10/20/16 Data**

**(Salt front ~ RM 83)**

**RIVER MILE 75.5**

**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 but devil’s head seed pods on the shore (water chestnut)

**River Bottom** - rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature |  | Chillier than expected! |  |  |
| Wind Speed | 10:16 AM  | 7.1 m/hr | NE |
| Cloud Cover | 10:16 AM | Ostly cloudy  | 51%-75% |  |
| Water | calm |
| Observations |  |
| ***Water Temp.*** | 10:33 AM | 17 degrees C18 degrees | 62 degrees F64 | Average 63 F17.5 C |
| ***Turbidity – long site tube*** | 10:30 AM  | 55.2 cm5742.9 |  | 51.7 cm average |
| ***Chemical*** |  |  |  |  |
| DO - LaMotte kit | 11:50 AM11:5512:00  | 17 C17C17C | 13 ppm10 ppm11 ppm | 135 % satur. 105%11%  |
| pH – color match | 10:45 AM | 7.97.77.9 |  | 7.83 Averages  |
| Salinity - quantab | 11:00 AM | 2.2 on strip 2.8  | 61 ppm Cl- 86 ppm Cl- | 110 ppm TS155 ppm TS |
| ***Fish Catch – 10feet net*** | ***Number Caught*** | ***Species*** |  ***Largest*** |  |
|  | 113141 | Striped BassSpottail ShinerBluegill SunfishPumpkinseedWhite Perch |  | **DIV 5****TOTAL 20** |
| ***Tides*** | NR |  |  |  |
| ***Currents*** | 10:16 AM10:17 AM | 432cm/30sec434 cm/30 sec |  |  EBBEBB |
| ***Core – 10:30 AM***  | **Length of Core** | **Rare** | **Common**  | **Abundant** |
| ***\*Mud/gravel/pebbles on bottom******\*Mud/water chestnuts middle******\*Mud top***  | 18 cm long  | GravelPebblesLeaves | Mud2 water chestnut seeds |  |
| ***Shipping – rec.*** | 12:00 PM  | Speedboat - white  | North & southbound | Light |