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

**(Saltfront ~ RM 83)**

**RIVER MILE 133.4**

**River Park, Schodack Island, Troy**

**Debra Magadini, Berkshire Waldorf High School**

**10 students 9th-11th graders, 1 adult**

**N 42.517994 W -73.759697 (from park website)**

**Location:** Schodack Island State Park, Schodack Landing, Rensselaer County

**Area:** 1052 acres – park and boat launch area – grassy area with concrete walkway and boat launch

**Surrounding Land Use:** Forested,Boat launch, playground, parking lot, used for picnics, fishing, open and grassy

**Sampling Site:** Forested 70%; recreation state park with grass, trees, parking area, picnic area 15%,urban/residential 5%; Industrial/commercial 10%

**Shoreline:** banks altered, rip rap, bulkhead,

**Plants in area:** none visible from shore – some water chestnut seeds found onshore

**Water depth**: 4-6 ft. – water is deeper but we are bucketing from this depth

**River Bottom**: rocky (sharp drop off beyond bulkhead

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature |  | |  |  |  |
| Wind Speed |  | |  |  | |
| Cloud Cover |  | |  |  |  |
| Weather today | Mainly dry | | | | |
| Weather recently | Unseasonably warm and very dry | | | | |
| ***Water Temperature -***  ***Water depth ~1.5 ft.*** | AM | 66 °F | | 19°C |  |
| ***Water*** |  |  | | | |
| ***Turbidity – small site tube*** |  |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO - (Drop count kit) | NR |  | |  |  |
| pH - (ind. Sol.) | NR |  | |  |  |
| Salinity – quantab | AM | 46 ppm Cl- | | 83 ppm Total Salinity |  |
| ***Fish Catch*** seine – | ***Number Caught*** | ***Species*** | | ***Length*** | ***Seine*** |
|  | 1 | Channel Catfish | |  | **DIV - 2**  **TOTAL - 2** |
|  | 1 | Striped Bass | |  |  |