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

**RIVER MILE 43**

**Riverfront Green, Peekskill, Westchester**

**Michael Billy, Walter Panas High School - 13 students, 11-12th grade APES, 1 adult**

**Latitude N 41°17’11” Longitude W 73°55’50"**

**Location:** Riverfront Green, Peekskill, Westchester County

**Area:** Grassy, park area with beachfront, pier, sandy beachfront, used for picnics, boating and fishing

**Surrounding Land Use:** 50 % grassy park;40% industrial/commercial; 10% beach

**Sampling Site:** beach with brick, charcoal, slag and concrete bulkhead. Shoreline 20% sandy and 80% rocky

**Water depth**: 2 ft.

**River Bottom** – rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  |  |  |  |
| Air Temperature | 10:30 AM | 54°F  12°C |  |  |
| Wind Speed | 10:30 AM | 4 Beaufort |  |  | |
| Cloud Cover | <25% | clearå |  |  |
| Weather today | Cold and overcast | | | | |
| Weather recently | Rain and drizzle | | | | |
| ***Water Surface*** | Calm |  |  |  |
| ***Water Temperature –*** | 10:30 AM | 64 °F  18°C |  |  |
| ***Turbidity –*** | 11:20 AM | Long site tube | 41 cm  43 cm  43.3 cm | 42.4 average |
| ***Chemical*** |  |  |  |  |
| DO  (drop kits) | 11:37 AM | 7 mg/l | 18°C | 73 % saturated |
| pH | 10:18 AM | 7.2 |  |  |
| Salinity -  quantabs | High range >8.8 | >6004 ppm Cl- |  | >10847 ppm Total Salinity |
| ***Fish Catch- Noon*** | ***Number Caught*** | ***Species*** | ***Length*** | ***Diversity/ Totals*** |
| 12:45 PM  20 ft. net X 4ft. | 3 | White Perch |  | **DIV = 4**  **Totals - 65** |
| 8 pulls | 54 | Atlantic Silversides |  |  |
|  | 6 | Striped Bass |  |  |
|  | 2 | Herring |  |  |
| ***Core*** | ~6cm | H2S smell (slight) | Sand & gravel common | |
| ***Shipping*** | 12:30 PM | Barge | Northbound | Loaded |