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

**(Saltfront ~ RM 83)**

**RIVER MILE 60**

**Dennings Point**

**Sean Dickinson, Chad Cianfrani, Miriam Straus, Oakwood Friends School,**

**8th-9th grade, 29 students, 4 adults**

**41.5053**°**N degrees Latitude 73.9696**°**W degrees Longitude**

**Location:** Dennings Point, 200 yards south of Long Dock Rd. Parking Lot, Beacon, Dutchess County

**Area:** 80%Forested,20%Beach with large piping entering river. Believe area mostly used for sightseeing and fishing. Beach area.

**Surrounding Land Use:** Nature preserve with few buildings, 50% forested; 50% beach;

**Sampling Site:** Beach, covered with vegetation, rocky & sandy

**Plants in water area:** No

**Water Depth @ sampling site:** 3 ft.

**River Bottom**: Type: muddy, rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  |  |  |  |
| Air Temperature | 10:30AM | 60°F | 20°C |  |
| Wind Speed |  |  |  |  |
| Cloud Cover |  |  |  | |
| Weather today | Overcast | | | |
| Weather recently | Warm and dry | | | |
| ***Water Temperature-*** | 10:30 AM | 59°F | 15°C |  |
| ***Water*** | calm |  |  |  |
| ***Turbidity -***  Long sight tube | 10:30 AM | 15 cm  16 cm |  | 15.5 cm |
| ***Chemical*** |  |  |  |  |
| DO  (drop count kit) |  |  |  |  |
| pH – | 10:30 AM | 7.5 – 8.0 |  | Average 7.75 |
| ***Fish Catch***  *20 ft. X4 seine* | ***Number –***  67  16  11  20  4  4  3  9 | ***Species –***  Menhaden Banded killifish  Tessellated darter Spottail Shiner  Striped Bass  Blue Gill Sunfish  White Perch  Pumpkinseed |  | ***DIV 8***  ***TOTALS 134*** |
| ***Macroinvertebrate*** | 12  12 | Blue Crab Mud Crab |  | ***DIV 2***  ***TOTALS 24*** |
| ***Tides*** | 10:15 AM  11:30 AM | 27 cm  65 cm | Rising  Rising | 38 cm/75 min |
| ***Currents*** | AM | 12 ft/minute | 366 cm/min |  |