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

**RIVER MILE 60**

**Dennings Point**

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

**8th-9th grade, 40 students, 5 adults**

**41.30’10” degrees Latitude 73.50’11” degrees Longitude**

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

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

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

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

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

**Water:** Choppy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 10:30 AM  10:45 AM  11:00 AM  11:15 AM | | 60°F  59  60  62 | 20°C  19.5 C  20 C  21 C |  |
| Wind Speed |  | |  |  |  |
| Cloud Cover |  | |  |  | |
| Weather today | Sunny | | | | |
| Weather recently | cold | | | | |
| ***Water Temperature-*** |  |  | |  |  |
| ***Water calm*** |  |  | |  |  |
| ***Turbidity -***  Long sight tube | 10:30 AM | 17.1 cm  7.0 cm  8.0 cm | | 5.8 cm average | Water very turbid |
| ***Chemical*** |  |  | |  |  |
| DO  (drop count kit) | 10:36 AM  11:00 AM  11:30 AM | 8 mg/L  7 mg/L  7 mg/L | |  |  |
| pH – | 10:30 AM  11:00 AM  11:15 PM | 56.5-7  5.5-6  7 | |  |  |
|  |  |  | |  |  |
| ***Fish Catch***  *20 ft. X4 seine* | ***Number –***  *6*  3  4  1  2  1 | ***Species –***  Banded Killifish Hog Choker  Spottail Shiner  Pumpkin Seed  Tesselated Darter  White Perch | | ***CPUE -***  ***Diversity – 6*** | ***Seine***  ***Total catch 17*** |
| ***Macroinvertebrate*** | 2  1 | Blue Crab  Shrimp | |  |  |
| ***Tides*** | 10:23 AM  10:38 AM  10:52 SM  11:06 AM | 17 cm  14 cm  11 cm  9 cm | | falling |  |