**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 AM10:45 AM11:00 AM11:15 AM | 60°F59 6062 | 20°C19.5 C20 C21 C |  |
| Wind Speed |  |  |  |  |
| Cloud Cover |  |  |  |
| Weather today | Sunny  |
| Weather recently | cold |
| ***Water Temperature-*** |  |  |  |  |
| ***Water calm*** |  |  |  |  |
| ***Turbidity -***Long sight tube | 10:30 AM | 17.1 cm7.0 cm8.0 cm | 5.8 cm average | Water very turbid  |
| ***Chemical*** |  |  |  |  |
| DO (drop count kit) | 10:36 AM 11:00 AM 11:30 AM | 8 mg/L7 mg/L7 mg/L |  |  |
| pH – | 10:30 AM11:00 AM11:15 PM | 56.5-75.5-67 |  |  |
|  |  |  |  |  |
| ***Fish Catch****20 ft. X4 seine*  | ***Number –****6* 34121 | ***Species –***Banded KillifishHog ChokerSpottail ShinerPumpkin Seed Tesselated DarterWhite Perch | ***CPUE -*** ***Diversity – 6*** | ***Seine*** ***Total catch 17*** |
| ***Macroinvertebrate*** | 21 | Blue CrabShrimp |  |  |
| ***Tides*** | 10:23 AM10:38 AM10:52 SM11:06 AM | 17 cm14 cm11 cm9 cm | falling |  |