**Day in the Life of the Hudson River 10/10/13**

**(Salt Front RM 69.3)**

**HARLEM RIVER MILE 13**

**Swindler’s Cove Park on the Harlem River**

**Mya Jenkins and the New York Restoration Project Staff (4)**

**Fatima Wilson -5th grade Bronx Charter School of Excellence (47 students), 4adults**

**GPS Latitude 40° 51’36”N – Longitude 73°55’12”W**

**(40° 86 N -73° 92 W)**

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**Back in School the students create an event wall!**

**Location:** Beach at Swindler Cove Park, next to the north end of Harlem River Drive, Manhattan

**Area:** There is a pier, beach, floating boathouse with a dock. Area used for boating, rowing, biking, walking, school groups- forested and grassy area

**Surrounding Land Use:** 50% beach, 50% Industrial/Commercial

**Sampling Site:** Sandy, muddy beach area, covered with vegetation, riprap banks

**Plants in area:** grass, sycamore trees

**Water depth**:

**River Bottom**: muddy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** | **Sampling occurred between 10:00 AM to 2:00 PM** | | | |
| Air Temperature |  |  |  |  |
| Wind Speed |  |  |  |  |
| Cloud Cover | Mostly cloudy | Overcast |  |  |
| Weather today | drizzly |  |  |  |
| Weather recently | Drizzly and cool |  |  |  |
| Water | choppy |  |  |  |
| ***Water Temperature*** | 11:26 AM | 17°C | 62.6°F |  |
| ***Turbidity – long site tube*** |  |  |  |  |
| ***Chlorophyll*** |  |  |  |  |
| ***Chemical*** | TIME | DO | Temp |  |
| DO | 11:26 AM | 4 ppm | 15°C | 35% saturation |
|  | 12:05 PM | 4 ppm | 15°C | 35 % saturation |
|  | 12:48 PM | 4 ppm | 16°C | 40% saturation |
| pH – | 11:05 AM | 7.5 |  |  |
|  | 11:31 AM | 8 |  |  |
|  | 11:49 AM | 7 |  |  |
|  | 12:31 PM | 8 |  |  |
| Salinity – chloride tablets | 11:22 AM | 14 ppt |  |  |
|  | 12:00 PM | 14 ppt |  |  |
|  | 12:45 PM | 14 ppt |  |  |
| ***Fish Catch –*** | ***Number caught*** | ***Species*** |  | ***Diversity & Total catch*** |
|  | ***2*** | ***Atlantic Silverside*** | ***DIVERSITY – 1***  ***TOTAL CATCH–2*** | |
| ***Macros*** | ***4*** | ***Blue Crab*** |  |  |
|  | ***6*** | ***Moon Jellies*** |  |  |
| ***Tides*** |  |  |  |  |
| ***Currents –***  ***15 sec intervals*** | 1020 cm/15 sec | 68 cm/sec | 1-3 kts | ***Flood*** |
|  | 990 cm/15 sec | 56 cm/sec | 1-2 kts | ***Flood*** |
|  | 930 cm/15 sec | 62 cm/sec | 102 kts | ***Flood*** |
|  | 930 cm/15 sec | 62 cm/sec | 102 kts | ***Flood*** |
| ***Core Sample Sediments*** | ***Length*** | ***Common*** | ***Present*** | ***Description*** |
| ***Traffic – recreational (*** |  |  |  |  |