**Snapshot Day 10/16/14**

**(Salt Front RM 65.9)**

**RIVER MILE 14**

**Inwood Hill Park Salt Marsh, NYC**

**Carolina Castro – Riversdale Kingsbridge Academy, Bronx-**

**20 students, 10th graders, 4 adults**

**Latitude 40.8’N/ Longitude 73.9 W**

**Location:** In the cove of Inwood Hill Park

**Area:** Forested, grassy

**Surrounding Land Use:** Forested 60%; urban residential 10%; Park with Ballfield 30%. Pier, bulk-headed, rip rap shoreline. Forested and used by people for picnics, jogging, sitting on park benches.

**Sampling Site:** large riprap on shoreline, drainage pipes in area, vegetation

**Plants in area:** none in the water

**River Bottom** – muddy with large rocks by shore

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  |  |  |  |
| Air Temperature | 10:38 AM | 14.5 °C | 58°F |  |
|  | 11:50 AM | 15.6°C | 60 °F |  |
| ***Cloud Cover*** | Overcast | ***Wind*** | 1.6 mph | Wind from South |
| Weather today | Humid, precip. | Drizzle to moderate rain for the morning | | |
| Weather last 3 days | Unseasonably warm |  |  |  |
| ***H2O Temperature*** | 1:00 PM | 17.8°C  17.8  18.3 | 64°F  64  65 | ***Average*** 18°C  64.3°F |
| **Water surface:** | Water calm |  |  |  |
| ***Turbidity***  *(long site tube)* | 12:19 PM | 54 cm  44 cm  31 cm |  | ***Average***  43 cm |
| ***Chemical*** |  |  |  |  |
| DO – drop count kit | 11:54 AM | 18.3 °C | 5 mg/L | 50% Saturated |
| pH – color match test kit | 11:11 AM | 7.5  7.5  8.0 | 8.0 | 7.7 |
| Salinity | Not Read |  |  | |
| ***Tides*** | T***ime*** | ***Rising/Falling*** | ***Height in Cm*** | ***Rate of Tidal Change*** |
|  | 10:22 AM | Rising | 23 cm |  |
|  | 10:40 AM | Rising | 30 cm | 2.57 cm/min |
|  | 10:58 AM | Rising | 35.5 cm | 3.27 cm/min |
| ***Currents*** | 10:38 AM | 47 cm/30 secs | 1.6 cm/sec | South/mainly still |
| A pier just out to the left of where the orange was thrownand may impact the current | | | | |