**Day in the Life of the Hudson River 10/16/14 Data**

**(Hudson River Salt Front RM 65.9)**

**Bronx River Mile 11**

**Zoo Conservation Area along the Mitsubishi River Walk**

**Wildlife Conservation Society - Intern**

**Latitude 40.85464 - Longitude -73.87627**

**Location:** Bronx River along the Mitsubishi Walk Conservation Area, Bronx, NY

**Area:** Used for pleasure lots of boating, conservation land, over parking area

**Surrounding Land Use:** Grassy, Parking lot

**Sampling Site:** Shoreline is covered in vegetation, muddy

**Plants in area:** Oak trees 5%, Cottonwood trees 5%

**Water depth**:

**River Bottom** –Muddy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  |  |  |  |
| Air Temperature | 11:23 AM | 70°F  21°C |  |  |
| Wind Speed | 11:23 AM | Beaufort #1 | North |  |
| Cloud Cover | Overcast | >75% |  |  |
| Weather today | 11:23 AM Raining at the site! Off and on | | | |
| Weather recently | Humid , unusually warm and rain | | | |
| ***Water Temperature*** |  |  |  | **Notes** |
| *1 ft. water depth – shady covered area* | 10:30 AM | 42°F\*  6°C |  | \*Believe this thermometer not working |
| ***Turbidity***  *(Long Site tube)\_* | 11:35 AM | 40cm  32  40 | 37 cm average | Water very turbid, water murkey |
| ***Chemical*** |  |  |  |  |
| DO  LaMotte test tab kit – low resolution | 10:35 AM | 2-4 mg/L | 6°C  23% saturation | \*Question temperature and poor resolution DO kit - |
|  | 1:31 PM | 9 ppm | None taken |  |
| pH – color match kit | 10:40 AM  10:41 AM | 7.6\*  7.0 |  | \*wouldn’t expect this much variation – rain interference? |
| *Salinity -* hydrometer | 10:50 AM  11:23 AM | 6 ppt  6 ppt |  |  |
| **Tides** | Not recorded |  |  |  |
| **Currents:**  **Time** | **Cm/30 sec** | **Cm/sec** | **Knots** | **Ebb/Flood/Still** |
| 11:19 AM  11:20 AM | 7cm/30 sec  16 cm/30 sec | 0.23 cm/sec  0.53 cm/sec | 0.005 kts  0.01 kts | Ebb  Ebb |
| **Observations** | Ducks - mallards, geese, boats  Water chestnut seeds on the ground | | | |