**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°F21°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 3240 | 37 cm average | Water very turbid, water murkey  |
| ***Chemical*** |  |  |  |  |
| DO LaMotte test tab kit – low resolution | 10:35 AM | 2-4 mg/L | 6°C23% saturation | \*Question temperature and poor resolution DO kit - |
|  | 1:31 PM | 9 ppm  | None taken |  |
| pH – color match kit | 10:40 AM10:41 AM | 7.6\*7.0 |  | \*wouldn’t expect this much variation – rain interference? |
| *Salinity -* hydrometer | 10:50 AM11:23 AM | 6 ppt6 ppt |  |  |
| **Tides** | Not recorded |  |  |  |
| **Currents:****Time** | **Cm/30 sec** | **Cm/sec** | **Knots** | **Ebb/Flood/Still**  |
| 11:19 AM11:20 AM | 7cm/30 sec16 cm/30 sec | 0.23 cm/sec0.53 cm/sec | 0.005 kts0.01 kts | EbbEbb |
| **Observations** | Ducks - mallards, geese, boatsWater chestnut seeds on the ground |