**Snapshot Day 10/20/15**

**RIVER MILE 14**

**Inwood Hill Park Nature Center, NYC**

**Bernadette Wilson – PS 344 AmPark Neighborhood School – 5th grade – 56 students, 5 adults and assistance from the DEC and NYC Parks Team**

**Latitude 40°50’N/ Longitude 73°55 W**

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

**Area:** Forested

**Surrounding Land Use:** Forested 60%; urban residential 10%; Industrial/commercial 10%; 20% paved. 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:**

**Water depth**:

**River Bottom** – muddy, rocky

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** |  | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 10:43 AM | | 60 F  15.6 C |  |  |
|  | 11:57 AM | | 63 F  17 C |  |  |
|  | 12:25 PM | | 72 F  22 C |  |  |
| Wind | 10:45 AM | | Beaufort 1 | Anenometer 1.8 mph | NE |
| Cloud Cover | 0-25% | |  |  |  |
| Weather today | No rain, clear | | | | |
| Weather recently | cold | | | | |
| **Water surface:** | calm |  | |  |  |
| ***H2O Temperature*** | 10:36 AM | 20 C  18  19 | | Average 19 C |  |
|  | 11:04 AM | 15C  16  15 | | Average 15.75 C |  |
|  | 11:11 AM | 14C  15  16 | | Average 15 C |  |
|  | 11:31 AM | 16.7  16.7  17.7 | | Average 17 C |  |
| ***Turbidity***  *(short site tube)* | 11:40 AM | 100 JTU  100 JTU  100 JTU | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO  Drop Count test kit – estuary wide | 11:35 AM | 3 ppm | |  |  |
| pH | 11:08 AM | 6.25  6.0  6.25 | | 6.25 Average |  |
| Salinity – refractometer | 11:44 AM | 1.010  1.010  1.012 | | 13 ppt  13 ppt  15 ppt | Average 14 ppt |
| ***Fish Catch*** | ***Number Caught*** | ***Species*** | | ***CPUE*** | ***Seine*** |
| Used seine | Lots of (~40) | Mummichogs | |  |  |
|  | 1 | Striped Bass | |  | **2 species** |
| **Tides** | **Time** | **Height** | | **Rise/Fall/Unch** |  |
|  | 10:30 AM | 10 cm | | Unchanged |  |
|  | 10:40 AM | 10 cm | | Unchanged |  |
|  | 10:50 AM | 10 cm | | Unchanged |  |
|  | 11:03 AM | 10 cm | | Unchanged |  |
|  | 11:21 AM | 10 cm | | Unchanged |  |
|  | 11:50 AM | 11 cm | | Rising |  |
|  | 12:04 PM | 12 cm | | Rising |  |
|  |  |  | |  |  |