**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 F15.6 C |  |  |
|  | 11:57 AM | 63 F17 C |  |  |
|  | 12:25 PM | 72 F22 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 C1819 | Average 19 C |  |
|  | 11:04 AM | 15C1615 | Average 15.75 C |  |
|  | 11:11 AM | 14C1516 | Average 15 C |  |
|  | 11:31 AM | 16.716.717.7 | Average 17 C |  |
| ***Turbidity****(short site tube)* | 11:40 AM  | 100 JTU100 JTU100 JTU |  |  |
| ***Chemical*** |  |  |  |  |
| DO Drop Count test kit – estuary wide  | 11:35 AM | 3 ppm |  |  |
| pH | 11:08 AM | 6.256.06.25 | 6.25 Average |  |
| Salinity – refractometer | 11:44 AM | 1.0101.0101.012  | 13 ppt13 ppt15 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 |  |
|  |  |  |  |  |