**Snapshot Day 10/23/14 Data**

**(Salt Front RM 61.1)**

**RIVER MILE 25E**

**Matthiessen Park, Irvington**

**Joanna Morabito- Irvington High School AP Env. Sci.**

**20 students, 11/12th graders**

**\*Philip Levine- Irvington Middle School**

**180 students, 6th Grade**

**Latitude 41** ͦ **2’ 30” N Longitude 73** ͦ **52’ 32” W**

**\*Middle School Data Recorded and posted separately**

****

**Area:** 40% grass, 10% beach, 5 % forested, 45% river

**Surrounding Land Use:** train, boats, buildings, cars, park

**Sampling Site**: Matthiessen Park

**Water Depth**: varied; depth increased as the day progressed

**River Bottom**: Rocky close to the beach and muddy farther away

**Weather Conditions:** Raining! (see photo!)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Reading 1*** | ***Reading 2*** | ***Reading 3*** | ***Reading 4*** |
| ***Physical***  |  9:42 am | 10:02 am | 10:20 am | 10:45 am |
| Air Temperature | MS students recorded  | 7°C |  | 7°C |
| Cloud Cover | 100% | 100% | 100% | 100% |
| Weather today | Very rainy  |
| Weather recently | Rainy and cool  |
| ***Water Temperature –***  | 13°C13°C13°C13°C13°C*average 13°C* | 13°C13°C10°C13°C12°C*average 12°C* | 12°C12°C9°C10°C*average 10.75°C* | 12°C12°C10°C10°C*average 11°C* |
| ***Turbidity –water chemistry test kit*** | 27 cm27 cm27 cm | 21 cm21 cm21 cm | 8 cm8 cm | 8 cm8 cm |
| ***Chemical*** |  |  |  |  |
| ***DO*** (tablet kits) | 6 ppm6 ppm8 ppm8 ppm*average 7 ppm* | 4 ppm4 ppm9 ppm8 ppm*average 6 ppm* | 4 ppm4 ppm9 ppm*average 5.67 ppm* | 6 ppm6 ppm9 ppm*average 7 ppm* |
| pH | 7777*average 7* | 7777*average 7* | 887*average 7.3* | 888*average 8* |
| Salinity – Quantab recorded as # and ppm Cl- | 7 - 2273 ppm7 – 2273 ppm 6 – 1499 ppm | 8 - 36548 - 36546 - 1499 | 8 - 36548 - 3654 | 8 - 36548 - 3654 |
| Recorded as Total Salinity | 4106 ppm TS4106 ppm TS2708 ppm TS | 6601 ppm TS6601 ppm TS2708 ppm TS | 6601 ppm TS6601 ppm TS | 6601 ppm TS6601 ppm TS |