**Day in the Life of the Hudson River 10/23/14 Data**

**(Salt Front RM 61.1)**

**RIVER MILE 138 – Henry Hudson Park**

**Mary Cosgrove, 3 faculty & 9 students, Mt. St. Rose College**

**Susan Schiavoni, Delaware Community School – 29, 3rd grade elementary students, 2 teachers,**

**Coordinates: 42.64 N, 73.74 W**

**Location:** Waterfront of Henry Hudson Park **Area:** Park/Boat launch,

**Surrounding Land Use**: 100% parkland with 75% vegetated coverage – grassy, parking lot, used for picnics, boating, fishing

**Sampling Site:** Banks altered, riprap, bulkheaded -rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM***  | ***Time***  | ***Reading 1***  | ***Reading 2***  | ***Comments***  |
| ***Physical***  | ***Time***  | ***Temp***  | ***Wind Speed***  | ***Weather today***  |
| Air Temperature  | 10:30 AM | 50⁰ F10⁰ C | .5 m/s -  | Rain/Cold |
|  | 10:42 AM | 45⁰ F7.2⁰ C | .4 m/s  | Rain/Cold |
|  | 10:57 AM | 50⁰ F10⁰ C | 1.2 m/s  | Rain/Cold/Windy |
|  | 11:14 AM | 49⁰ F9.4⁰ C | .6 m/s  | Rain/Cold |
|  | 11:25 AM | 51⁰ F10.6⁰ C | .5 m/s  | Rain/Cold |
|  | 11:38 AM | 52⁰ F11⁰ C | .4 m/s | Rain/Cold/Fog |
| Cloud Cover  | cloudy  |  |  |  |
| Weather last 3 days  | Rainy, cool  |  |  |
| ***Water Temperature***  | 10:30 AM10:42 AM10:57 AM11:14 AM11:25 AM11:38 AM | 8.8⁰ C8.78.68.68.79.5 | 47.8⁰ F47.647.547.647.647.3 |  |
| ***Turbidity*** Large site tube  | 10:30 AM | 11 cm |  |  |
|  | 10:42 AM | 9 cm |  |  |
|  | 10:57 AM | 9 cm |  |  |
|  | 11:14 AM | 10 cm |  |  |
|  | 11:25 AM | 12 cm |  |  |
|  | 11:38 AM | 11 cm |  |  |
| ***Chlorophyll***  | 10:30 AM | 0 .7, 2, 2, 5 | **Averages** | 2.25 |
|  | 10:42 AM | 0.7, 0.5, 0.4, 0.5 |  | 0.5 |
|  | 10:57 AM | 0.5, 1, 1, 1,  |  | .75 |
|  | 11:14 AM | 1.5, 0.7, 0.3, 3 |  | 1.25 |
|  | 11:25 AM | 0.2, 1.5, 4.5 |  | 2.1 |
|  | 11:38 AM | 1.1, 5, 3.5, 1 |  | 5.1 |
| **DO -Drop count**  | **Not read** |  |  |  |
| pH | 10:30 AM10:42 AM10:57 AM11:14 AM11:25 AM11:38 AM | 44.94.8555 |  | \*rain event effect |
| Salinity –meter - Traceable salinity  | Time | ppt | ppm  |  |
| Low Range | 10:30 AM | .12 | 120 |  |
|  | 10:42 AM | .11 | 110 |  |
|  | 10:57 AM | .12 | 120 |  |
|  | 11:14 AM | .1 | 100 |  |
|  | 11:25 AM | .12 | 120 |  |
|  | 11:38 AM | .11 | 110 |  |
| Tides  | Time  | Height (cm)  |  |  |
| From start to end | 10:3 AM  | 11:38 AM | South |  |
| Currents  |  |  | South |  |