**Day in the Life of the Hudson River 10/20/16 Data**

**(Salt Front ~ RM 83)**

**RIVER MILE 92**

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***The Clearwater Crew!***

**Mid-River on the Clearwater, Kingston, Ulster County**

**GPS Latitude 41°55 N Longitude 73°57 W**

**Maura Niemisto, Hudson River Sloop Clearwater**

**Lenape Elementary School – 5th grade, 50 students, 12 adults**

**Location:** Mid-River from Kingston Point, City of Kingston

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 10:18 AM | 62.8°F17.3°C |  |  |
| Wind Speed | 11:32 AM | Beaufort 1 | East | 2 kts |
| Cloud Cover | 10:18 AM | 100% thick clouds - overcast |
| Weather today | Overcast  |
| Weather recently | Dry, hot and sunny  |
| ***Water Surface*** | Calm |
| ***Water Temperature*** | Time | Temperature #1 | Temperature #2 | Average |
| Water Depth -surface  | 10:56 AM | 63.3°F 17.9°C |  |  |
| ***Chemical*** |  |  |  |  |
| DO *Drop count* | 10:56 AM | 10 ppm | 17.9 C | 100% saturated |
| pH – color match kit | 10:56 AM  | 8.0 |  |  |
| Salinity - refractometer and hydrometer | below detection of these tools | . |  |
| ***Turbidity – long sight tube*** | 81 cm  | Looks turbid, dark and cloudy |
| ***Fish Catch****Trawl net with ~8 ft. of head rope* | ***Number Caught- 15***  | ***Species - 2*** | ***Largest Size*** | ***10:49-10:59 AM trawl*** |
|  | 1 | White perch | 16 cm | **FISH** |
|  | 44 | Hog Choker | 11 cm | **Diversity 3** |
|  | 1 | Catfish | 10 cm | **Total 46** |
|  | 2 | Blue crab |  | **MACRO** **Diversity 1 Totals 2** |
|  ***Currents*** | 10:18 AM 11:32 AM | EbbEbb |  |  |
| ***Traffic- Commercial***  | 10:07 AM | ‘Brooklyn’ – tug and barge | White | Northbound Loaded with fuel |
|  | 11:45  | Ubc Seattle | Red | Southbound – deep draft ship |
|  |  | ‘Evelyn Cutler’ | Red | Southbound – Light fuel barge and tug |
| ***Traffic – Recreational***  | 10:57 AM | Launch boat  | white | Northbound 2 passengers |
|  | 11:56 AM | Powerboat | white | southbound |
|  | 12:06 PM | Fishing Boat | Blue | southbound |
| ***Other Items*** | Egrets, gulls, bald eagle, crows, heron, deer |
|  |  |