Snapshot Day 10/20/16

**(Salt Front ~RM 83)**

**RIVER MILE 4.1**

**Gerri Hall and Shay Saleem – Intrepid Sea, Air and Space Museum**

**Rebecca O’Brien, Alyssa Grossman, Rafael Media PS 51, Alias Howe**

**4th grade, 43 students and 7 adults**

**Latitude N 40°45 Longitude W074°00**

**Location: The Intrepid next to Pier 84**

**Area:** large ship at pier surrounding water access

**Surrounding Land Use:** 40% urban/residential, 10% forested, 40% industrial commercial

**Sampling Site:** Pier,Bulkhead (wood timbers), used for boating, banks altered, covered in vegetation

**Plants in area:** None

**Water depth**: 20 ft.

**River Bottom** –muddy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | NR | | C | F |  |
| Wind Speed |  | |  |  |  |
| Cloud Cover | Partly cloudy | |  |  |  |
| Weather today | NR | | | | |
| Weather recently |  | | | | |
| ***Water surface*** |  | | | | |
| ***Water Temp*** | NR |  | |  |  |
| ***Turbidity*** | NR |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO  Estuary Wide kit | AM | 8.2 ppm  7.6  8 | |  | Avg. 7.9 ppm |
| pH – Estuary wide kit | AM | 7.2  7.0  7.5 | |  | Avg. 7.9 |
| Nitrate (color reaction – estuary wide) | AM | 12 ppm  13 ppm  11 ppm | |  | Avg. 12 ppm |
| Phosphate (color reaction) | AM | 1 ppm  1 ppm  1 ppm | |  | Avg. 1 ppm |
| Salinity  (Hydrometer) | AM | 12 ppt  11.7 ppt  12.2 ppt | |  | Avg. 11.96 ppt |