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

**(Salt front ~ RM 83)**

**RIVER MILE 2.5**

**Hudson River Park’s Pier #45**

**Shino Tanikawa- New York City Soil & Water Conservation District**

**PS 3 Manhattan 2nd, 3rd& 4th – 58 students & 11 adults total**

**Location:** Christopher Street Pier at the southside end of the pier where the “gazebo” is at the foot of the pier

**Area:** Pier, Banks altered – bulkhead – mainly metal and wooden pier

**Surrounding Land Use:** 100% Hudson River Park with walkway, some planted areas

**Sampling Site:** Recreational pier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  |  |  | Averages |
| Air Temperature | 10:00 AM | 24.0°C  25.0  24.0  23.0  22.0 |  | 23.6°C |
|  | 11:00 AM | 24.0°C  22.0  22.0  22.0  22.0 |  | 22.4°C |
| ***Water Temperature*** | 10:00 AM | 18.0°C  18.0  19.0  19.0  19.0 |  | 18.4°C |
|  | 11:00 AM | 18.0°C  18.0  18.0  18.0  18.0 |  | 18.1°C |
| ***Chemical*** |  |  |  |  |
| DO  (chemets ampules) | 10:00 AM | 7.0 ppm  6.0  6.0  7.0  8.0 |  | 7 ppm |
|  | 11:00 AM | 6.0 ppm  6.0 ppm  6.0 ppm  8.0 ppm  7.0 ppm |  | 7 ppm |
| pH (ColorHast pH strip) | 10:00 AM | 6.5  7.0  7.0  7.0  6.5 |  | 6.8 |
|  | 11:00 AM | 7.0  6.5  6.5  7.0  7.0 |  | 6.8 |
| Salinity (hydrometer) | 10:00 AM | 21.3 ppt  21.3  21.7  21.3  21.7 |  | 21.5 ppt |
|  | 11:00 AM | 20.0 ppt  20.0  21.3  21.4  20.0 |  | 20.5 ppt |
| Hydrometer – Specific gravity | 10:00 AM | 1.016  1.016  1.016  1.016  1.016 |  | 1.016 |
|  | 11:00 AM | 1.015  1.015  1.016  1.016  1.015 |  | 1.015 |