**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°C25.024.023.022.0 |  | 23.6°C |
|  | 11:00 AM | 24.0°C22.022.022.022.0 |  | 22.4°C |
| ***Water Temperature*** | 10:00 AM | 18.0°C18.019.019.019.0 |  | 18.4°C |
|  | 11:00 AM | 18.0°C 18.018.018.018.0 |  | 18.1°C |
| ***Chemical*** |  |  |  |  |
| DO (chemets ampules) | 10:00 AM | 7.0 ppm6.06.07.08.0 |  | 7 ppm |
|  | 11:00 AM | 6.0 ppm6.0 ppm6.0 ppm8.0 ppm7.0 ppm |  | 7 ppm |
| pH (ColorHast pH strip) | 10:00 AM | 6.57.07.07.06.5 |  | 6.8 |
|  | 11:00 AM | 7.06.56.57.07.0 |  | 6.8 |
| Salinity (hydrometer) | 10:00 AM | 21.3 ppt21.321.721.321.7 |  | 21.5 ppt |
|  | 11:00 AM | 20.0 ppt20.021.321.420.0 |  | 20.5 ppt |
| Hydrometer – Specific gravity | 10:00 AM | 1.0161.0161.0161.0161.016 |  | 1.016 |
|  | 11:00 AM | 1.0151.0151.0161.0161.015 |  | 1.015 |