**Snapshot Day 10/20/16 Data**

**EAST RIVER MILE 11.5**

**(Salt Front ~HR mile 80)**

**Barretto Park**

**Fatima Wilson, KIPP Academy Elementary School- Washington Heights**

**4th Grade Students – 90 students, and 20 adults**

**Location:** Barretto Point Park, Bronx, East River

**Area:** Picnic area, playground, beach, grass and wildlife. People use the area to fish, sit or walk on the grass. Also urban, commercial and industrial in the area.

**Surrounding Land Use:** Beach, grassy

**Shoreline:** Sandy and rocky

**Plants in area:** trees and grass

**Bottom:** I can’t see the bottom

**Water Surface:** Calm at first and then became choppy soon after.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM**  | **Time** | **Reading 1** | **Reading 2** | **Comment** |
| ***Physical***  |  |  |  |  |
| Air Temperature | 11:00 AM  | 69 ° F21 °C |  |  |
| Wind Speed | 11:00 AM | Beaufort 6-11 mph | West | Mostly cloudy |
| Weather Today  | 11:00 AM | cloudy |  |  |
| Weather Last 3 Days | Breezy and sunny and warm |  |  |
| ***Water******Temperature*** | 12:00 PM | 69 ° F21 °C | 9 ppm | 95% |
| ***Turbidity – secchi disk*** | 10:42 AM  | 36.5 cm | Water seems clean |  |
| ***Chemical*** |  |  |  |  |
| ***pH*** | 10:52 AM | 8.5 |  |  |
| ***DO*** | 12:00 PM  | 69 ° F |  |  |
| ***Salinity***  | 11:40 AM  | 28 ppt  | Brackish |  |
| ***Catch***  | none |  |  |  |
| ***Currents*** | 10:59 AM |  24 inches/30 secs | 0.8 inches/sec |  |
|  |  |  | 2.032 cm/sec | .04 kts |
| ***Core***  | No smell  | Rocks | Gravel  | Sand |
| ***Observations***  | I see ocean (East River), barges and some sand. I see trees and other live things.  |