**Day in the Life of the Hudson River 10/12/17**

**(Salt Front ~RM 65)**

**RIVER MILE -8.6**

**Kaiser Park, Coney Island Creek, Brooklyn NY**

**Luis Gonzales, City Parks Foundation**

**Keisha Morgan-Hall, IS 96 Seth Low, 26 sixth graders, 5 adults**

**40°34”14’ N – 73°59”01’ W**

**Location:** Kaiser Park, Coney Island Creek, Brooklyn NY

**Surrounding Land Use:** Forested, Grassy

**Sampling Site:** Beach area with banks altered

**Shoreline**: sandy, muddy, rocky

**Plants in area:** No plants in the area

**River bottom:** Sandy

**Water:** Choppy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 11:53AM  12:49 PM | | 20.5°C  20.9°C | °F  °F |  |
| ***Wind Speed*** | 10:46 AM | | 20 mph |  |  |
| Cloud Cover | 10:48 AM | | Mostly cloudy  51-75% | Weather Today | Light rain |
| Weather last 3 days | Rain yesterday and this AM | | | | |
| ***Water Temp- Surface*** | 11:08 AM | 18°C  18  18 | | 64.5°F  65  65 |  |
| ***Turbidity***  Short site tube | 11:14 AM | 0 JTU | | Water very clear |  |
| ***Chemical*** |  |  | |  |  |
| DO | 11:21 AM | 18°C | | 4 ppm | 40 % |
| pH - meter | 11;05 AM | 7.5  7.9  7.2 | | Average | 7.5 |
| Salinity  (Hydrometer) |  |  | |  |  |
| Nitrates | 11:09 AM | 2 ppm  1 ppm  5 ppm | |  |  |
| Phosphates | 11:10 AM | 1 ppm  2 ppm  1ppm | |  |  |
| ***Tides –*** | NR |  | |  |  |
| ***Currents*** | NR |  | |  |  |
| ***Fish –2 nets – a 30 ft. and 20 ft net*** | **Number** | **Species** | | **Size** |  |
| ***FISH*** | 411 | Atlantic Silversides | | 10 cm |  |
|  | 1 | Bluefish | | 5 cm |  |
|  | 2 | Tomcod | | <2.5 cm |  |
|  | 2 | Northern Kingfish | | <5 cm |  |
|  | 4 | Bay Anchovy | | 2.5 cm |  |
| ***DIVERSITY*** | **5** | **TOTAL CATCH** | | **420** |  |
| ***Macroinvertebrates*** | 2 | Longwristed Hermit Crab | | 1 cm | (also called long-clawed hermit crab) |
|  | 1 | Grass shrimp | | 1.25 cm |  |
|  | 32 | Ctenaphore | | 4 cm |  |
| ***DIVERSITY*** | **3** | **TOTAL CATCH** | | **35** |  |
| ***Core Sample –*** | **NR** |  | |  |  |
| ***Shipping -*** | None |  | |  |  |
| ***Other Items*** | On the Ground: Sand, grass, trees and shell pieces**.**  Sampling Impacts: The wind and weather may have impacted our results.  Other observations: birds and dragonflies. | | | | |