

**Day in the Life of the Hudson River 10/14/21**

**Kaiser Park, Brooklyn**

**RIVER MILE: -8.5**

*Salt Front: ~ 49*

Luis Gonzales & City Parks Foundation

Wade Moody, John Dewey High School

*21 students & 3 adults*

**Latitude & Longitude – Latitude 40.5813° N & Longitude – 73.9994°W**

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

**Area:** Forested, grassy

**Surrounding Land Use:** large beach, housing across roadway

**Sampling Site:** Pier and wide beach area

**Shoreline:** sandy, muddy, rocky

**Water:** Calm

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

**River Bottom description:** Sandy

\*NR = Not read/recorded

| <i>ITEM</i>   | <i>Time</i>     | <i>Reading</i>                    |                          | <i>Comments</i>                              |
|---|-----------------|-----------------------------------|--------------------------|--|
| <b>Physical</b>   |                 |                                   |                          |  |
| <i>Air Temperature</i>  | NR              | 21.11 ° C                         | 70° F                    |  |
| <i>Wind Speed: NR</i>   |                 | <i>Anemometer</i>                 | <i>Beaufort</i>          | <i>Direction</i>                             |
| <i>Weather today</i>  | 11:45 AM        | <25 % cloud cover                 | No rain                  |  |
| <i>Weather the past 3 days:</i>                                       | NR              |                                   |                          |  |
| <i>Tides-</i>   | <i>Time</i>     | <i>Rising, Falling, Unchanged</i> | <i>Height (cm)</i>       |  |
|   | 3:50 PM-4:35 PM | Falling                           | NR                       |  |
| <i>Current- NR</i>  | <i>Time</i>     | <i>Cm/sec</i>                     | <i>Knots</i>             | <i>North/South</i><br><i>Ebb/Flood/Slack</i> |
|   |                 |                                   |                          |  |
| <i>Water Temperature- NR</i>  |                 |                                   |                          |  |
| <i>Turbidity- La Motte JTU</i>  | 11:25 AM        | 0 JTU                             |                          |  |
| <b>Chemical</b>   |                 |                                   |                          |  |
| <i>Salinity- NR</i>   |                 |                                   |                          |  |
| <i>Standardized Salinity- refractometer</i>                           | 1:55 PM         | 24 ppt                            |                          |  |
| <i>DO – Lamotte Drop Count Kit (expect it is an estuary wide kit)</i> | <i>Time</i>     | <i>Temp</i>                       | <i>ppm DO</i>            | <i>% Saturation</i>                          |
|   | 11:25 AM        | NR                                | 0* reagent must be poor  | NR   |
| <i>pH – Color Match Kit</i>   | 11:25 AM        | 7.5                               |                          |  |
| <i>Nitrates- (expect it is an estuary wide kit)</i>                   | 11:25 AM        | 5 ppm                             |                          |  |
| <i>Phosphates- (expect it is an estuary wide kit)</i>                 | 11:25 AM        | 1 ppm<br>4 ppm                    |                          |  |
| <b>Biological</b>   |                 |                                   |                          |  |
| <i>Fish -</i>   | <i>Number</i>   | <i>Name</i>                       | <i>Length of longest</i> | <i>Length of smallest</i>                    |

|                                 |                        |   |                          |                           |                       |
|---------------------------------|------------------------|---|--------------------------|---------------------------|-----------------------|
|                                 | 22<br>1                | Atlantic Silverside<br>Northern Sea Robin   | NR                       | NR                        |                       |
| <b>Fish Totals</b>              | <b>TOTAL:<br/>23</b>   | <b>Diversity: 2</b>   |                          |                           |                       |
| <i>Macroinvertebrates</i>       | <i>Number</i>          | <i>Name</i>   | <i>Length of longest</i> | <i>Length of smallest</i> |                       |
|                                 | 2<br>26<br>4<br>1<br>6 | Green Crab<br>Hermit Crab<br>Ctenophore sp.<br>Palaemonetes Shrimp<br>Eastern Mud Snail | NR                       | NR                        |                       |
| <b>Macroinvertebrate Totals</b> | <b>TOTAL:<br/>39</b>   | <b>Diversity: 5</b>   |                          |                           |                       |
| <b><i>Sediment Core -NR</i></b> |                        |   |                          |                           |                       |
| <b>Length</b>                   | <b>H2S<br/>smell</b>   | <b>Oxid Top</b>   | <b>Oil</b>               | <b>Grain Size</b>         | <b>Other Features</b> |
|                                 |                        |   |                          |                           |                       |
| <b><i>Boats-NR</i></b>          |                        |   |                          |                           |                       |
|                                 | <b>Time</b>            | <b>Name</b>   | <b>Color</b>             | <b>North/Southbound</b>   | <b>Light/Loaded</b>   |
| Commercial                      |                        |   |                          |                           |                       |
| Residential                     |                        |   |                          |                           |                       |