

**Day in the Life of the Hudson River 10/14/21  
Brooklyn Bridge Park (East) Pier 3, Brooklyn  
RIVER MILE: 1.7**

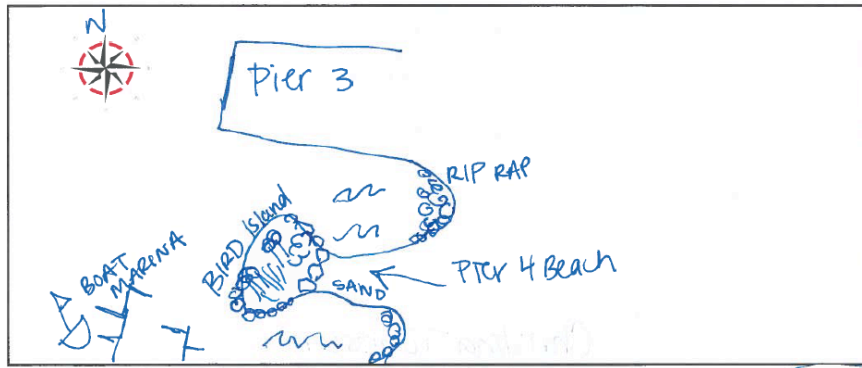


*Salt Front: ~ 49*

Bill Livingston & Brooklyn Friends School

12 students & 3 adults

**Latitude 40 N & Longitude – 73 W**



**(site map for orientation from 2019 MS195 student)**

**Location:** Pier 3 of Brooklyn Bridge Park, Brooklyn NY

**Area:** Mixed use park, marina south and park pier north of beach

**Surrounding Land Use:** 100% Urban/residential and park land

**Sampling Site:** By Oyster Restoration Site shoreside

**Shoreline:** Some riprap and pier

**Water Depth:**

**Plants in area:**

**River Bottom description:**

\*NR = Not read/recorded

| <i>ITEM</i>  | <i>Time</i>                                      | <i>Reading</i>          |                       | <i>Comments</i>        |
|--|--|-------------------------|-----------------------|------------------------|
| <i>Physical</i>  |  |                         |                       |                        |
| <i>Air Temperature</i>   | 10:00 AM   | 19.5 °C                 | NR                    |                        |
| <i>Wind Speed:</i><br><i>*Not taken well</i><br><i>because of low wind</i> | 10:00 AM   | <i>Anemometer</i><br>NR | <i>Beaufort</i><br>NR | <i>Direction</i><br>NR |
| <i>Weather today</i>   | 10:00 AM   | <25% cloud cover        | No rain               |                        |
| <i>Weather the past 3 days:</i>  | unseasonably warm - small rain three days before |                         |                       |                        |

|  |  |                                   |                            |                           |                        |
|--|--|-----------------------------------|----------------------------|---------------------------|------------------------|
| <b>Tides-</b>                              | <b>Time</b>                                  | <b>Rising, Falling, Unchanged</b> |                            | <b>Height (cm)</b>        |                        |
|  | 9:00 AM-<br>9:30 AM<br>10:00 AM-<br>10:15 AM | Falling<br><br>Rising             |                            | NR                        |                        |
| <b>Current- NR</b>                         | <b>Time</b>                                  | <b>Cm/sec</b>                     | <b>Knots</b>               | <b>North/South</b>        | <b>Ebb/Flood/Slack</b> |
|  |  |                                   |                            |                           |                        |
| <b>Water Temperature-</b>                  | 10:00 AM                                     | 19.7° C                           |                            | 67.46° F                  |                        |
| <b>Turbidity- Short Sight Tube (60 cm)</b> | 10:00 AM                                     | >60 cm                            |                            |                           |                        |
| <b>Chemical</b>                            |  |                                   |                            |                           |                        |
| <b>Salinity- Hydrometer</b>                | 10:00 AM                                     | 23 ppt                            |                            |                           |                        |
| <b>Standardized Salinity- NR</b>           |  |                                   |                            |                           |                        |
| <b>DO – Lamotte Drop Count Kit</b>         | <b>Time</b>                                  | <b>Temp</b>                       |                            | <b>ppm DO</b>             | <b>% Saturation</b>    |
|  | 10:00 AM                                     | 19.7° C                           |                            | 7.3                       | 75%                    |
| <b>pH – Probe</b>                          | 10:00 AM                                     | 6.5                               |                            |                           |                        |
| <b>Nitrates- LaMotte</b>                   | 9:30 AM                                      | 2 ppm                             |                            |                           |                        |
| <b>Phosphates- LaMotte</b>                 | 9:30 AM                                      | 0.4 ppm                           |                            |                           |                        |
| <b>Biological</b>                          |  |                                   |                            |                           |                        |
| <b>Fish -</b>                              | <b>Number</b>                                | <b>Name</b>                       | <b>Length of longest</b>   | <b>Length of smallest</b> |                        |
| <b>*Oyster Cage</b>                        |  |                                   |                            |                           |                        |
| <b>Fish Totals</b>                         | <b>TOTAL: 0</b>                              | <b>Diversity: 0</b>               |                            |                           |                        |
| <b>Macroinvertebrates</b>                  | <b>Number</b>                                | <b>Name</b>                       | <b>Length of longest</b>   | <b>Length of smallest</b> |                        |
|  | 3  | Mud Crab (black fingered)         | 2 cm                       | 5 mm                      |                        |
|  | numerous                                     | Amphipods                         | 3 mm                       |                           |                        |
|  | several                                      | Isopods                           |                            |                           |                        |
|  | 4  | Oyster Drill                      | 2 cm                       | 1cm                       |                        |
|  | numerous                                     | Round snails                      | 1 mm                       |                           |                        |
|  | 1  | Tube worm (pink)                  | N/R                        |                           |                        |
|  | 1  | Tube worm (black)                 | 2-3 mm                     |                           |                        |
|  | 2  | Sandworm                          | 2 cm                       |                           |                        |
|  | 4  | Grass Shrimp                      | 3 cm                       | 2 cm                      |                        |
|  | 1  | Slipper snail                     | 1 cm                       |                           |                        |
|  | 1  | Sea Vase Tunicate                 | colony - 9 cm <sup>2</sup> |                           |                        |
| <b>Macroinvertebrate Totals</b>            | <b>TOTAL:17 plus</b>                         | <b>Diversity: 11</b>              |                            |                           |                        |
| <b>Sediment Core -NR</b>                   |  |                                   |                            |                           |                        |
| <b>Length</b>                              | <b>H2S smell</b>                             | <b>Oxid Top</b>                   | <b>Oil</b>                 | <b>Grain Size</b>         | <b>Other Features</b>  |
|  |  |                                   |                            |                           |                        |
| <b>Boats-NR</b>                            |  |                                   |                            |                           |                        |
|  | <b>Time</b>                                  | <b>Name</b>                       | <b>Color</b>               | <b>North/Southbound</b>   | <b>Light/Loaded</b>    |
| Commercial                                 |  |                                   |                            |                           |                        |
| Residential                                |  |                                   |                            |                           |                        |