

**Day in the Life of the Hudson River 10/16/18 Data**  
**GANTRY STATE PARK, LONG ISLAND CITY**  
**RIVER MILE: 5.7 (East River)**  
*Salt Front: ~RM 24*  
**PS/IS 78Q- Rebecca Raddock & Alex Pistell**  
**270 students, 5<sup>th</sup>-8<sup>th</sup> grade, adults**  
**NY Parks Department- Devon Gorsen**  
**Latitude 40.74497 N & Longitude -73.95849 W**

**Location:** Gantry Plaza State Park, Long Island City, East River, Queens, NY

**Surrounding Land Use:** 80% Urban; 15% Grassy, 5% Rocky Shoreline

**Sampling Site:** Shoreline is rocky with some plants and has piers.

| <i><b>ITEM</b></i>                    | <i><b>Time</b></i>      | <i><b>Reading</b></i>               |                                 | <i><b>Comments</b></i>        |
|---------------------------------------|-------------------------|-------------------------------------|---------------------------------|-------------------------------|
| <i><b>Physical</b></i>                |                         |                                     |                                 |                               |
| <i>Air Temperature:</i>               | 9:00-1:00 PM            | 8.33 ° C                            | 47 ° F                          |                               |
| <i>Wind Speed:</i>                    | 9:00-1:00PM             | Beaufort 3                          | 3.3 mph                         | Northwest                     |
| <i>Weather Today:</i>                 | Partly Cloudy (63%)     |                                     |                                 |                               |
| <i>Weather Previous:</i>              |                         |                                     |                                 |                               |
| <i><b>Water Temperature</b></i>       | 9:00- 1:00 PM           | 19 ° C                              | 66.2 ° F                        |                               |
| <i><b>Turbidity - Secchi disk</b></i> | 9:00-1:00 PM            | 51 cm                               |                                 |                               |
| <i><b>Chemical</b></i>                |                         |                                     |                                 |                               |
| <i>Salinity- hydrometer</i>           | 9:00-1:00 PM            | 17 ppt                              |                                 |                               |
| <i>DO –</i>                           | <i>Time</i>             | <i>Temp</i>                         | <i>ppm DO</i>                   | <i>% saturation</i>           |
|                                       | 9:00-1:00 PM            | 19 ° C                              | 6                               | 62%                           |
| <i>pH -</i>                           | 9:00-1:00 PM            | 6                                   |                                 |                               |
| <i><b>Fish -</b></i>                  | <i><b>Number</b></i>    | <i><b>Name</b></i>                  | <i><b>Length of longest</b></i> |                               |
|                                       |                         | Oyster Toad Fish                    | Juvenile                        |                               |
|                                       | <b>TOTAL:</b>           | <b>Diversity: 1</b>                 |                                 |                               |
| <i><b>Macroinvertebrates</b></i>      | <i><b>Number</b></i>    | <i><b>Name</b></i>                  | <i><b>Length of longest</b></i> |                               |
|                                       |                         | Shore shrimp<br>Mud Crab<br>Isopods |                                 |                               |
|                                       | <b>TOTAL:</b>           | <b>Diversity: 3</b>                 |                                 |                               |
| <i><b>Currents Flow</b></i>           | <i><b>Cm/second</b></i> | <i><b>Knots</b></i>                 | <i><b>North/South</b></i>       | <i><b>Ebb/Flood/Still</b></i> |
|                                       | 60                      | 1.166                               |                                 |                               |