

**Day in the Life of the Hudson River 10/13/22**  
**Pier 1, Gantry Plaza State Park, Long Island City, NY**  
**East RIVER MILE: 5.7**

*Salt Front: ~ 76*

**PS/IS 78Q– Alexander Pistell & Jessica Batson**  
**New York State Parks Dept. – Annabel Posimato**  
*75 students & 5 adults*

**Latitude 40.74497°N & Longitude – 73.95849°W**

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

**Area:** 12 acre park area along the East River with 4 piers, lawn areas, pathways and is located in a former dockyard and manufacturing district.

**Sampling Site:** Shoreline is rocky with some plants and piers. Sample off a concrete stepped pier.

**Surrounding Land Uses:** 80% Urban, 15% Grassy, 5% Rocky

**Shoreline:** RipRap

**River Bottom:** NR

**Water:** NR

**Plants in the Water:** NR

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<b>Physical</b>					
<i>Air Temperature-</i>	10:30 AM	19.4°C	67°F		
<i>Wind Speed:</i>	10:30 AM	<i>Anemometer</i> 5 mph	<i>Beaufort</i> 2	<i>Direction</i> SE	
<i>Weather today</i>	NR	>75% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	NR				
<i>Tides</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
	NR	NR	NR		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	9:00 AM 10:00 AM 11:00 AM	10 15 16	NR	NR	NR
<i>Water Temperature-</i>	11:00 AM	18°C	64.4°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 Am	105 cm			
<b>Chemical</b>					
<i>Salinity-Hydrometer</i>	11:00 AM	22 ppt			
<i>Standardized Salinity – Refractometer</i>	9:50 AM	25 ppt			
<i>DO – Lamotte Drop Count Kit</i>	<i>Time</i> 11:00 AM	<i>Temp</i> 18°C	<i>ppm DO</i> 6 ppm	<i>% saturation</i> NR	
<i>pH – Color Match Kit</i>	11:00 AM	7.5			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<b>Biological-</b>					
<i>Fish – Rod and Reel</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
9:00 AM-12:00 PM	None caught				
<b>Fish Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			

<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity:0</b>			
<i>Sediment Core – NR</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<i>Boats- NR</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					