

**Day in the Life of the Hudson River 10/05/2023**  
**Governors Island, NY Harbor**  
**RIVER MILE: -1**  
*Salt Front: ~ RM 52*  
**New York Harbor School-Sean Lynch**  
**Billion Oyster Project-Rebecca Resner**  
**50 students, 9<sup>th</sup>-11<sup>th</sup> grade, 4 adults**  
**Latitude 40.69092°N & Longitude -74.02026°W**

**Location:** NE Governor's Island-Upper NY Harbor, NY  
**Surrounding Land Use:** 100% converted to public access programs (education, boating, recreation)  
**Sampling Site:** Pier, Bulkhead  
**Shoreline:** RipRap & Seawall  
**Water:** NR  
**River Bottom:** NR  
**Plants in the water:** NR  
 \*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM	16°C 20°C 21°C 24°C 24°C	60.8°F 68°F 69.8°F 75.2°F 75.2°F	
<i>Wind Speed:</i>	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM	<i>Anemometer</i> 0-1 mph 4 mph 5 mph 6 mph 9 mph	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	11:00 Am	<25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Sunny, warm, clear			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
				LT @ 7:15 AM HT @ 1:45 PM
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM		1.35 0.6 0.75 1.3 1.5	South North North North North
<i>Water Temperature-</i>	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM	20°C 22°C 22°C 21°C 22°C	68°F 71.6°F 71.6°F 69.8°F 71.6°F	
<i>Turbidity- NR</i>				
<i>Chemical</i>				

<i>Student Salinity- Hydrometer</i>	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM	18,000 ppm 16,000 ppm 15,000 ppm 15,000 ppm 21,000 ppm	18 ppt 16 ppt 15 ppt 15 ppt 21 ppt			
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
<i>pH – Color Match Kit</i>	8:36 AM 11:00 AM 12:00 PM 12:39 PM 2:10 PM	7 7 7 7 7				
<b>Biological-Did not Fish</b>						
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
<b>Fish Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
<b>Macroinvertebrate Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>				
<i>Sediment Core -unable to core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H<sub>2</sub>S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

<b>Boats-NR</b>					
<b>Commercial/ Recreational</b>	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>Southbound/ Northbound</b>	<b>Light/ Loaded</b>