

**Day in the Life of the Hudson River 10/05/2023**  
**Pier 45, Hudson River Park, Manhattan, NYC**  
**RIVER MILE: 3.2**  
*Salt Front: ~RM 52*  
**NYC Lab High School-Susan Price**  
**30 students, 12<sup>th</sup> grade, 3 adults**  
**Latitude 40.73315°N & Longitude -74.01369°W**

**Location:** Pier 45, Hudson River Park aka Christopher Street Pier, NYC  
**Surrounding Land Use:** 100% Hudson River Park with walkway, some planted areas  
**Sampling Site:** Recreational Pier, west end of the pier, the “gazebo” is at the foot of the pier.  
**Shoreline:** Concrete Bulkhead  
**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>	
<b>Physical</b>						
<i>Air Temperature</i>		24° C		75.2° F		
<i>Wind Speed: NR</i>		<i>Anemometer</i>		<i>Beaufort</i>	<i>Direction</i>	
<i>Weather today</i>		<25% Cloud Cover		No Rain		
<i>Weather the past 3 days:</i>	Sunny					
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>		
	10:30 AM NR	Rising Falling			*Rising Tide in AM then hit High Tide and began to fall	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>	
<i>Water Temperature-</i>		20°C		68°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>		69.5 cm				
<b>Chemical</b>						
<i>Standardized Salinity- High Range Quantabs</i>	12:05 PM	10,174 ppm		10 ppt		
<i>Student Salinity- Refractometer</i>		20,000 ppm		20 ppt		
<i>DO – Meter/Probe &amp; Chemets Kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>	
	NR	20°C		7 ppm	85%	
<i>pH – Meter/Probe</i>	NR	6.81				
<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 – Can not do off pier</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>

**Boats-NR**

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