

**Day in the Life of the Hudson River 10/13/22**  
**Pier I, NYC**  
**RIVER MILE: 6.8**  
*Salt Front: ~ RM 76*  
**Speyer Legacy School (7<sup>th</sup> grade)– Kimberly Schwab**  
*36 students & 4adults*  
**Latitude 40.7099° N & Longitude – 73.9845°W**



**Location:** Pier I, NYC

**Area:** Pier was built on a dormer railroad pier jutting out at an angle from Riverside Park South.

**Surrounding Land Use:** Urban/Residential

**Sampling Site:** Pier

**Shoreline:** Sandy, rocky

**Water:** Choppy

**Plants in area:** No plants in the water

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<b>Physical</b>					
<i>Air Temperature-</i>	10:00 AM	19.44°C		67°F	
	10:30 AM	20°C		68°F	
	11:00 AM	20°C		68°F	
<i>Wind Speed:</i>	10:00 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 2	<i>Direction</i> NR	
<i>Weather today</i>	11:00 AM	>75% cloud cover		Intermittent light rain	
<i>Weather the past 3 days:</i>	Sunny, beautiful, rainless				
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	10:00 AM	37.6	0.73	NR	Flood
	10:30 AM	58	1.12		Flood
	11:00 AM	69.5	1.35		Flood
	11:30 AM	26.9	0.52		Flood
<i>Water Temperature-</i>	10:00 AM	17°C			
	10:15 AM	19°C			
	10:30 AM	18°C			
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:00 AM	53.6 cm			
	10:30 AM	30.26 cm			
	11:00 AM	34.1 cm			
<b>Chemical</b>					
<i>Salinity-Hydrometer</i>	10:00 AM	22 ppt			
	10:30 AM	18 ppt			

	11:00 AM	21 ppt			
<b>Standardized Salinity</b> –					
<b>DO – Hach Drop Kit</b>	<i>Time</i> 10:00 AM 10:30 AM 11:00 AM	<i>Temp</i> NR	<i>ppm DO</i> 9 ppm 6 ppm 7 ppm	<i>% saturation</i> NR	
<b>pH –</b>	10:00 AM 10:30 AM 11:00 AM	7.5 7.5 7.5			
<b>Nitrates- NR</b>					
<b>Phosphates- NR</b>					
<b>Alkalinity- NR</b>					
<b>Biological-</b>					
<b>Fish – Fish Traps</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	3	Cunner	9 cm	7.6 cm	
<b>Fish Totals</b>	<b>TOTAL: 3</b>	<b>Diversity: 1</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	9 (3F, 6M)	Blue Crab	14 cm	12.7 cm	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 9</b>	<b>Diversity: 1</b>			
<b>Sediment Core - NA</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>