

**Day in the Life of the Hudson River 10/13/22**

**Pier 84 at Hudson River Park, NYC**

**RIVER MILE: 5.6**

*Salt Front: ~ RM76*

**Hudson River Project– Toland Kister**

**Latitude 40.76392 N & Longitude – 74.00132 W**

**Location:** Pier 84 at Hudson River Park, NYC

**Area:** South-facing walkway on Pier 40 over the water; primary sampling happened between grey floating dock and end of pier

**Surrounding Land Use:** 60% Urban/Residential, 40% Industrial/Commercial

**Sampling Site:** An educational/recreational pier used for picnics, boating, jogging, fishing. Concrete bulkhead, rocks near the edge, banks altered, all hard edged, pipe entering the water.

**Shoreline:** Concrete bulkhead- all hard edged

**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>	NR	21.2°C	70.1°F	
<i>Wind Speed:</i>	12:30 PM	<i>Anemometer</i> 5.6 knots	<i>Beaufort</i> 2	<i>Direction</i> S/SE
<i>Weather today</i>	12:30 PM	>75% cloud cover	Steady Rain	
<i>Weather the past 3 days:</i>	Mon/Tues- clear/sunny; wed-overcast with some sun			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	12:30 PM	16.7°C	62°F	
<i>Turbidity-</i>	NR	9.2 FNU		
<b>Chemical</b>				
<i>Salinity-Meter/Probe</i>	12:30 PM	24,700 ppm		
<i>Standardized Salinity – Refractometer</i>	3:20 PM	25,000 ppm		
<i>DO – Meter/Probe</i>	<i>Time</i> 12:30 PM	<i>Temp</i> 16.7°C	<i>ppm DO</i> 6.9 ppm	<i>% saturation</i> 82%
<i>pH – Meter</i>	12:30 PM	7.7		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
<b>Biological-</b>				
<i>Fish – Did not fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<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>		
<b>Sediment Core - N/A</b>				

<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<i><b>Boats-NR</b></i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>