

Day in the Life of the Hudson River 10/18/22

West Harlem Pier, 130th St. NYC

RIVER MILE: 10

Salt Front: ~ RM76

The School at Columbia University – Benedick Raikes

56 students & 7 adults

Latitude 40 N & Longitude -73 W



Location: West Harlem Pier on 130th St. NYC

Area: Concrete pier; used for boating and fishing; at the pier there are birds that are feeding on food scraps or other small organisms around the vicinity. Rocky shoreline, riprap edges and concrete bulkehead.

Surrounding Land Use: 100% Urban/Residential

Sampling Site: Pier

Plants in area: No plants in the water area

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature-</i>	11:00 AM	8.9°C	48°F	
<i>Wind Speed:</i>	11:00 AM	<i>Anemometer</i> 6.5 mph	<i>Beaufort</i> NR	<i>Direction</i> W
<i>Weather today</i>	11:00 AM	51-75% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	Cool, no rain			
<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>	11:00 AM	20°C		
<i>Turbidity- Secchi Disk (cm)</i>	11:00 AM	125-150 cm		
<i>Chemical</i>				
<i>Salinity-Hydrometer</i>	11:00 AM	10 -14 ppt		
<i>Standardized Salinity</i>				
<i>DO – Hach Kit</i>	<i>Time</i> 10:00 AM	<i>Temp</i> 20°C	<i>ppm DO</i> 10 ppm	<i>% saturation</i> NR
<i>pH – Color Match Kit</i>	10:00 AM	7.5		
<i>Nitrates- NR</i>				

<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<i>Biological-NA</i>					
<i>Fish – Did not fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Fish Totals	TOTAL:	Diversity:			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL:	Diversity:			
<i>Sediment Core - NA</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
<i>Boats-NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded