

Day in the Life of the Hudson & Harbor 10/16/18 Data

125th STREET PIER, Manhattan, NY

RIVER MILE: 10

Salt Front: ~ RM 24

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31 students 12th grade, 2 adults

Latitude 40 N & Longitude - 73 W

Location: Pier on 125th Street, Manhattan

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.

Surrounding Land Use: 100% Urban/Residential

Sampling Site: Pier

Plants in area: No plants in the water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	1:35 PM	13.6 ° C	56.5 ° F	
	1:42 PM	13.8 ° C	56.8 ° F	
	1:50 PM	15.7 ° C	60.3 ° F	
<i>Wind Speed: anemometer</i>	1:28 PM	2 mph	Southwest	
<i>Weather today</i>	No rain, partly cloudy (26-50%)			
<i>Weather recently</i>	Light rain, wind, low temperatures (50s)			
Water Temperature	1:24 PM	18 ° C	64.4 ° F	
	1:34 PM	16 ° C	60.8 ° F	
	1:43 PM	15 ° C	59 ° F	
Turbidity - short sight tube	1:30 PM	5 JTU, 10 JTU, 5 JTU = Avg: 6.67 JTU		
Chemical				
<i>Salinity- Hydrometer</i>	1:36 PM	6000 ppm		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:28 PM	18 ° C	3.8	40%
	1:46 PM	16 ° C	3	29%
	1:55 PM	16 ° C	3.4	34%
<i>pH – Color match kit</i>	1:34 PM	7		
	1:36 PM	7		
	1:38 PM	7		
<i>Alkalinity</i>	1:40 PM	140 ppm, 120 ppm, 100 ppm Avg: 120 ppm		
<i>Nitrates</i>	1:55 PM	2		
<i>Phosphates</i>	1:55 PM	0		
Current-	cm/second	Knots	North/South	Ebb/Flood/Still
1:28 PM	21.03	0.408	North	Flood
1:30 PM	23.77	0.462	North	Flood
1:32 PM	21.34	0.415	North	Flood
Boat Traffic	Name	Color	North or South	Loaded or Light
1:53 PM	Construction ship	Black and white	Southbound	Light