

Day in the Life of the Hudson River 10/14/21

Pier 125th St, NYC

RIVER MILE: 2.9

Salt Front: ~ 49

Diane Lennon, Columbia Secondary School, Environmental Science

25 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. 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

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature</i>	1:35 PM	24.4 ° C	75.9 ° F		
<i>Wind Speed:</i>	1:27 PM	<i>Anemometer</i> 3.5 mph	<i>Beaufort</i> 2	SE	
<i>Weather today</i>	1:35 PM	<25% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	windy and cloudy with no rain, fairly warm (70s)				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	1:40 PM	Unchanged		N/A	
	1:45 PM	Rising		N/A	
	1:48 PM	Rising		N/A	
	1:52 PM	Rising		N/A	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	1:40 PM	4.8	N/A	N/A	N/A
	1:45 PM	9.6	N/A	N/A	N/A
	1:50 PM	8.6	N/A	N/A	N/A
<i>Water Temperature-</i>	1:30 PM	22 ° C		71° F	
<i>Turbidity- Long sight tube</i>	1:38 PM	0.9 m /90 cm			
<i>Chemical</i>					
<i>Salinity- Hydrometer</i>	1:30 PM	10 ppt			
	1:30 PM	9 ppt			
	1:30 PM	11 ppt			
<i>Standardized Salinity - Refractometer</i>	1:30 PM	10 ppt			
<i>DO – Lamotte Drop Count kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
	1:35 PM	22° C	2.3-4 ppm	21-26%	
<i>pH – colormatch</i>	1:35 PM	7.25			
<i>Nitrates-</i>	1:30 PM	0.5mg/L			
	1:30 PM	2.0 mg/L			
	1:30 PM	1.0 mg/L			
<i>Phosphates-</i>	N/A	N/A			
<i>Biological</i>					

<i>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</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
N/A	N/A	N/A	N/A	N/A	N/A
<i>Boats</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					