

Day in the Life of the Hudson River 10/22/19
125th STREET PIER, MANHATTAN
RIVER MILE: 10
Salt Front: ~ RM 53
High School of Language and Innovation – Eugene Viderman
16 students 11-12th grade, 2 adults
Baylander Ship—Scott Koen
Latitude 40.819303 N & Longitude – 73.96145 W



Location: 125th Street Pier, West Harlem, Manhattan, NY

Area: Concrete pier used for boating and fishing, beach

Surrounding Land Use: 100% Industrial/Commercial

Sampling Site: Recreational Pier, concrete bulkhead

Shoreline: Rocky, muddy

River Bottom: Muddy

Water: calm

Plants in area: no plants in water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:46 AM	64.4 ° F	18 ° C	
<i>Wind Speed:</i>	10:53 AM	Beaufort 2	4.9 mph	Northwest
<i>Weather today</i>	11:03 drizzle, overcast			
<i>Weather past 3 days:</i>	No rain			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NR			
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature-</i>	11:32 AM	Water depth: 8.3 ft	16.1 °C, 16 °C	
<i>Turbidity- long sight tube</i>	11:05 AM	27.1 cm		So turbid; brown/green
<i>Chemical</i>				
<i>Salinity- hydrometer</i>	11:50 AM	9000 ppm		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:35 AM	16 ° C	7	70
<i>pH – color match kit & pH Pen</i>	11:41 AM	7.7		
	11:43 AM	7.6		
<i>Nitrates- color match</i>	11:58 AM	0 ppm		

<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Unable to fish				
Fish Totals	TOTAL:	Diversity:		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Unable to fish				
Macroinvertebrate Totals	TOTAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
Water depth 640 cm	12:15 PM	Yes	Common: Clay, Mud Rare: Pebbles	Oil and H ₂ S smell
Boats	Time	Name/Color	North/South	Loaded/Light
Commercial	10:40 AM	Cargo Ship, Brown	South	Loaded
Commercial	10:48 AM	Ship, Black	South	Loaded
Recreational	10:30 AM	Motorship, red	North	Light
Observations	Gulls,			