

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

Canarsie Pier, Brooklyn, NY

RIVER MILE: -5.3

Salt Front: ~ 76

P26- Elizabeth Vattamala

11 students & 5 adults

GPS Latitude N 40.37'49.0" - W-73.53'00.98"

N 40.628691 - W-73.883915

Location: Canarsie Pier, Brooklyn, NY

Area: Empty beach, tall grass, rotting wood, sandy, weak waves

Sampling Site: Pier, grassy, beach, riprap (large rocks), pipe entering the water, next to the parking lot

Surrounding Land: Urban/Residential, Beach

Shoreline: Sandy, Rocky

River Bottom: Sandy, Rocky

Water: Choppy

Plants in the Water: No Plants in the water

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature-</i>	10:45 AM	22.7°C	72.86°F	
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	10:45 AM	>75% cloud cover	Rain at end of the event	
<i>Weather the past 3 days:</i>	Sunny and nice			
<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	15°C	59°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 AM	104 cm		
Chemical				
<i>Salinity-Hydrometer</i>	10:45 AM	30 ppt		
<i>Standardized Salinity - NR</i>				
<i>DO - Hach Drop Count Kit</i>	<i>Time</i> 12:00 PM	<i>Temp</i> 15°C	<i>ppm DO</i> 8 ppm	<i>% saturation</i> 80%
<i>pH - Color Match Kit</i>	10:45 AM	7.2		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
Biological-				
<i>Fish - Seine 2 passes</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>11:00 AM-11:30 AM</i>	10	Atlantic Silverside	7 cm	4 cm
Fish Totals	TOTAL: 10	Diversity: 1		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	1	Hermit Crab		
Macroinvertebrate	TOTAL: 1	Diversity: 1		

Totals					
<i>Sediment Core – 11:00 AM Collection</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
15 cm	No	No	No	Abundant: sand Rare: gravel	
<i>Boats- None Seen</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Recreational					
Journal	It's cold, wet and windy. I hear the waves. The water looks clear by my feet. There is so much vegetation on the beach. The wind, the waves and our location. Another school was at the site so we had to go to another spot. I wonder what happened to all the fish?				