

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

Coney Island Pier, Brooklyn, NY

RIVER MILE: -9.1

Salt Front: ~ RM76

IS 240 Andries Hudde JHS – Deborah Sarria

85 students (6th grade) & 58 adults

Latitude 40°34'N & Longitude – 73°59'W



Location: Coney Island Pier, Brooklyn NY

Area: Halfway along the Coney Island Pier. The pier is located on the Reigelmann Boardwalk across from Parachute Jump.

Sampling Site: Pier and beach

Surrounding Land Uses: 5% Urban/Residential; 15% Industrial/Commerical; 80% Beach

Shoreline: sandy

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>
<i>Physical</i>				
<i>Air Temperature-</i>	12:11 PM 12:22 PM	19°C 18.9°C	66.2°F 66°F	
<i>Wind Speed:</i>	11:30 AM	<i>Anemometer</i> 5.8 mph	<i>Beaufort</i> 2	<i>Direction</i>
<i>Weather today</i>	11:30 AM	>75% cloud cover	On/Off Drizzle	
<i>Weather the past 3 days:</i>	Cool and dry, started to rain on and off in the morning			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	11:39 AM- 12:00 PM	Falling		435 cm 460 cm * Measurements from dock to water surface
<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>	11:46 AM 12:08 PM	17.2°C 17.1°C		
<i>Turbidity- Long Sight Tube (120 cm)</i>	12:18 pm	>120 cm		
<i>Chemical</i>				
<i>Salinity-Hydrometer</i>	11:40 AM	27.5 ppt		
<i>Standardized Salinity – Refractometer</i>	12:00 PM	30,000 ppm		
<i>DO – Meter/Probe</i>	<i>Time</i>	<i>Temp</i>	<i>mg/L DO</i>	<i>% saturation</i>

	11:46 AM 12:08 PM	17.2°C 17.1°C	9.68 9.15	100% 95%	
<i>pH – Color Match Kit</i>	11:52 AM 12:20 PM	7 7			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
Biological-					
<i>Fish – Local Fisherman</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
12:00 PM	1	Atlantic Menhaden			
Fish Totals	TOTAL:1	Diversity: 1			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0			
Sediment Core - NA					
Length NR	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats-					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	11:54 AM	CMA GGM Cargo Ship	White, Red & Blue	Southbound	Loaded
	11:54 AM	Rockaway Ferry	White, Black & Blue	Westbound	NR
Recreational	11:54 AM	Sail Boat	NR	Westbound	NR