

Day in the Life of the Hudson River 10/05/2023
Coney Island Steeplechase Pier, Coney Island, NY
RIVER MILE: -9.1
Salt Front: ~ 52
IS 240-Deborah Sarria
90 students, 6th grade, 10 adults
Latitude 40.571754°N & Longitude -73.983712°W



Location: Steeplechase Pier, Coney Island, Brooklyn, NY
Surrounding Land Use: 15% Urban/Residential, 15% Industrial/Commercial, 70% Beach
Sampling Site: Pier, Beach
Shoreline: 100% Sandy
Water: Calm
River Bottom: 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>	11:35 AM	32°C	89.6°F		
	11:42 AM	29.5°C	85.1°F		
		30.6°C	87°F		
	11:53 AM	30.5°C	86.9°F		
<i>Wind Speed:</i>	11:32 AM	<i>Anemometer</i> 0.9 mph	<i>Beaufort</i> 0	<i>Direction</i> South	
<i>Weather today</i>	11:35 AM	<25% Cloud Cover	No Rain		
<i>Weather the past 3 days:</i>	Clear, warm				
<i>Tides- Dock to water</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	11:30 AM	-		490 cm	
	12:00 PM	Rising		445 cm	
	12:30 PM	Falling		475 cm	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	11:35 AM	19.85°C	67.7°F		
		19.55°C	67.2°F		
		19.7°C	67.5°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:25 AM	116.5 cm			
	12:30 PM	120 cm			

Chemical						
<i>Standardized Salinity- Refractometer</i>	12:12 PM	30,000 ppm	30 ppt			
<i>Student Salinity- Hydrometer</i>	11:35 AM 11:50 AM 12:12 PM	26,000 ppm 26,700 ppm 24,700 ppm	26 ppt 26.7 ppt 24.7 ppt			
DO – NR	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
pH – Color Match Kit	12:16 PM	7				
Biological						
Fish-Traps	Number	Name	Length of longest	Notes		
*Did not catch anything						
Fish Totals	TOTAL: 0	Diversity: 0				
Macroinvertebrates	Number	Name	Length of longest			
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0				
Sediment Core -NR	Time	Oxid Top	H₂S Smell	Oil	Grain Size	Other Features

Boats					
Commercial/ Recreational	Time	Type	Color	Direction	Light/ Loaded
Commercial	11:38	Ferry	Blue/White	Eastbound	Loaded
Commercial	11:45	Barge	Black	Eastbound	Loaded
Commercial	12:30	Ferry	Blue/White	Westbound	Light
Recreational	11:48	Jet Ski		Westbound	