

Day in the Life of the Hudson River 10/12/17
(Salt Front ~RM 65)
RIVER MILE -9.1
Steeplechase Pier, Coney Island, Brooklyn NY
Deborah Sarria, Andries Hudde JHS 8th graders
30 students, 5 adults
40°34'14" N – 73°59'01" W

Location: Steeplechase Pier, Coney Island, Brooklyn NY

Surrounding Land Use: Urban/residential 15%, Beach 70%, Industrial/commercial 15%

Sampling Site: Beach areas with pier and riprap shoreline

Plants in area: No plants in the area

River bottom: Sandy

Water: Choppy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:53AM 12:49 PM	20.5°C 20.9°C	°F °F	
<i>Wind Speed</i>	11:59 Am	Beaufort 4	6.7 mph meter	East
Cloud Cover	12:08 PM Mostly cloudy	Weather Today	No rain	
Weather last 3 days	Rain yesterday and this AM			
<i>Water Temp-Surface</i>	12:38 PM	18.5°C	°F	
<i>Turbidity Sight Tube</i>	12:51 PM	71 cm 85 cm	Average 78 cm	
<i>Chemical</i>				
DO (meter)	1:00 PM	20.7°C	6.9 ppm	74 %
pH	12:25 pm	7.15		
Salinity (Hydrometer)	12:08 PM	32 ppt 30 ppt 30 ppt		Avg – 30.75 ppt
Nitrates	12:45 PM	0 ppm		
Phosphates	12:50 PM	0.5 ppm		
<i>Tides –</i>	11:51 AM 12:37 PM	335.3 cm 182.9 cm		
<i>Currents</i>	NR			
<i>Fish – minnow traps -----</i>				

<i>Core Sample – 10:40 am</i>	Abundant	Rare	Notes	
	Sand	Gravel Pebbles Leaves Wood Macroinverts	Taken in 2 feet of water	
<i>Shipping - Commercial</i>	10:36 AM	Ferry – White/black	Westbound	Light
<i>Recreational</i>	10:41 AM 10:41 AM	White White	West East	Loaded Loaded
<i>Other Items</i>	Pieces of brick, clam shells, mussel shells, feathers, air hole in sand as water recesses, black lines in sand. Sea gulls, pigeons and people walking along the shore.			