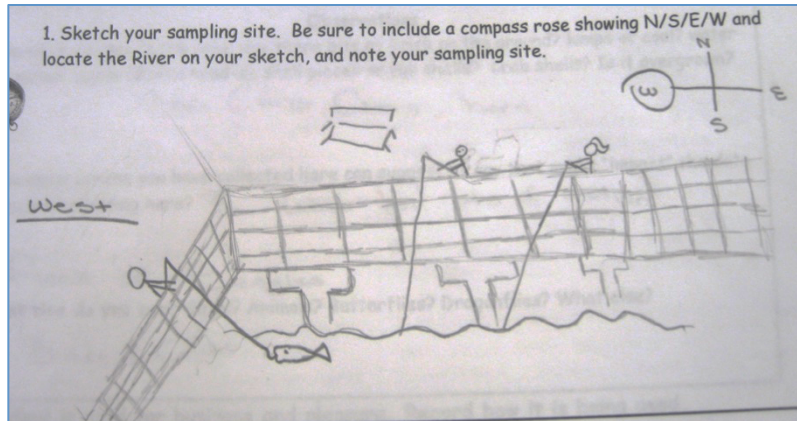


Day in the Life of the Hudson River 10/20/16
(Salt Front ~RM 83)
RIVER MILE -9.1
Steeplechase Pier, Coney Island, Brooklyn NY
Deborah Sarria, Andries Hudde JHS 8th graders
60 students, 8 adults
40.5°N – 73.9°W



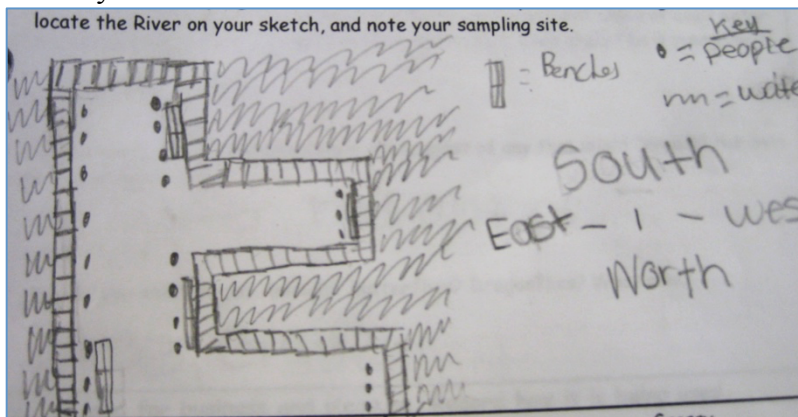
Location: Steeplechase Pier, Coney Island, Brooklyn NY

Surrounding Land Use: Urban/residential 12.5%, Beach 755, Industrial/commercial 12.5%

Sampling Site: Beach areas with pier and riprap shoreline

Plants in area: No plants in the area

River bottom: Sandy



<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:23 AM 12:25 PM	21.7°C 21.9°C	71°F 71°F	
<i>Wind Speed</i>	10.2 mph	East	<i>Water Surface</i>	Choppy
Cloud Cover	Clear	Weather Today	No rain	
Weather last 3 days	There was no precip in the last 3 days. The cloud cover			

	ranged from clear to part cloudy, Air temperatures 39-59°F			
<i>Water Temperature</i>	10:40 AM	15°C	59°F	
	11:10 AM	18.6°C	65°F	
	11:49 PM	18.7°C	66°F	
	12:15 PM	18.8 °C	66°F	
<i>Turbidity Sight Tube</i>	10:30 AM	78 cm 67 cm 82 cm	Average 71.6 cm	
	11:35 AM	70 cm 48 cm 68 cm	Average 62.0 cm	
	12:14 PM	73 cm 70 cm 60 cm	70.7 cm	
<i>Chemical</i>				
DO (meter)	10:40 AM	15.0°C 18.6 18.7 18.8	8.6 ppm 8.7 8.7 8.2	80 % 90 % 90 % 85 %
pH	10:40 AM 11:00 AM 11:49 AM 12:15 PM	7 7 7 7	Average 7	
Salinity (Hydrometer)	1040 AM 11:15 AM 11:49 AM 12:15 PM	32 ppt 34 ppt 28 ppt 30 ppt	32 ppt 34 ppt 32 ppt 30 ppt	Avg – 32 ppt 34 ppt 30 ppt 30 ppt
Nitrates	1040 AM 11:15 AM 11:49 AM 12:15 PM	0 ppm 0 ppm 0 ppm 0 ppm		
Phosphates	1040 AM 11:15 AM 11:49 AM 12:15 PM	0.25 ppm 0.25 ppm 0.25 ppm 0.25 ppm		
<i>Tides –</i>	11:28 AM	set	3000 cm	----

	12:15 PM	Rising	2500 cm	11.1 cm/min
<i>Currents</i>	NR			
<i>Fish – minnow traps -----</i>		1 1	Summer Flounder Northern Sea Robin	<i>Diversity – 2 Total Catch –2</i>
<i>Macroinvertebrates</i>		1 1	Blue Crab-M Hermit Crab	<i>Diversity – 2 Total Catch –2</i>
<i>Shipping - Commercial</i>	12:09 PM 12:09 PM	Barge Tug Boat	Westbound Westbound	Loaded
<i>Recreational</i>	10:51 AM	Speedboat		
<i>Other Items</i>	Flock of sea gulls flying around the pier, Several people fishing off of pier, strong wind kicked up mini sand storms on the beach			