

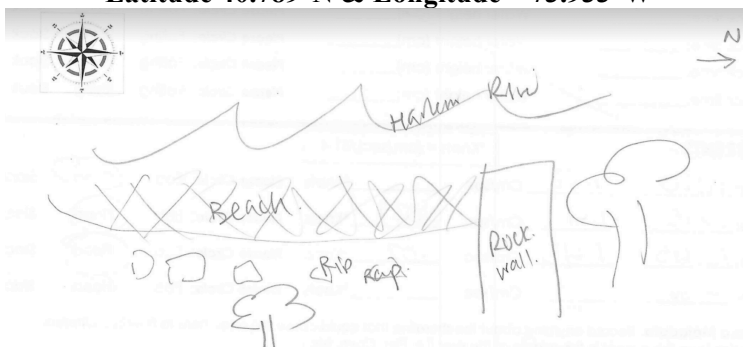
Day in the Life of the Hudson River 10/13/22
Water's Edge Garden, Randall's Island Park, NY
Harlem RIVER MILE: 1

Salt Front: ~RM 76

Randall's Island Park Alliance and Central Park East II- Jacqueline Wu

21 students & 4 adults

Latitude 40.789°N & Longitude - 73.933°W



Location: Water's Edge Garden, Randall's Island Park, NY

Area: By the beach south of the concrete outcropping.

Sampling Site: Beach, altered banks, grassy, RipRap, concrete bulkhead, pipe entering the water

Surrounding Land Uses: 30% Urban/Residential; 50% Beach; 20% Other

Shoreline: 30% Rocky, 70% Sandy

River Bottom: Sandy

Water: Choppy

Plants in the Water: 100% Fucus visiculosus (AKA bladder wrack/rock weed/sea grapes), drift algae as well

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature-</i>	9:49 AM	21.01°C	69.8°F		
	9:50 AM	16.1°C	61°F		
	10:22 AM	21.18°C	69.8°F		
	11:32 AM	21.3°C	70.4°F		
<i>Wind Speed:</i>	9:49 AM	<i>Anemometer</i> 1.7 mph	<i>Beaufort</i> NR	<i>Direction</i> S/SW	
	11:32 AM	0.6 mph		S/SW	
<i>Weather today</i>	11:37 AM	>75% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	Sunny, no rain				
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	9:36 AM	6.1	-	NR	Flood
	10:15 AM	1.4	0.027	NR	Flood
	10:45 AM	1.45	0.02	NR	Flood
	11:20 AM	1.08	-	NR	Flood
<i>Water Temperature-</i>	9:50 AM	17.3°C	63°F	Averages of 2	
	11:20 AM	17.5°C	63.5°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>	9:40 AM	43.2/47/58 cm		Average 49.4 cm	
	10:10 AM	22/29/59 cm		Average 36.6 cm	
Chemical					
<i>Salinity-Hydrometer</i>	10:00 AM	27/28/27	27.3 ppt		
<i>Standardized Salinity - Refractometer</i>	9:22 AM	25,500 ppm			

DO – Meter/Probe	<i>Time</i> 9:40 AM 11:28 AM NR	<i>Temp</i> NR NR NR	<i>ppm DO</i> 8 ppm 8 ppm 7 ppm	<i>% saturation</i> NR NR NR	
pH – Color Match Kit/test strips	10:35 AM	6			
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological-					
Fish – Seine	Number	Name	Length of longest	Length of smallest	
9:30 AM-10:40 AM	3 121 29	Striped Bass Atlantic Silverside Atlantic Menhaden	- 10 cm 32 cm	- 6 cm 5 cm	
Fish Totals	TOTAL: 153	Diversity: 3			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	1	Blue Crab			
Macroinvertebrate Totals	TOTAL: 1	Diversity: 1			
Sediment Core – 10:45 AM collected					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
10 cm	No	No	No	Abundant: sand Common: gravel, pebbles	Rare: wood, shells, brick
Boats-					
	Time	Name	Color	North/Southbound	Light/Loaded
Commerical	NR	3 NYPD Boats	NR	Southbound	NR
Recreational					