

Day in the Life of the Hudson River 10/22/20
WATER'S EDGE GARDEN, RANDALL'S ISLAND
RIVER MILE: Harlem River 1

Salt Front: ~ RM 75

Randall's Island Park Alliance – Chris Girgenti, Jackie Wu, 7 participants

Latitude 40.786015 N & Longitude – 73.934763 W



Location: Water's Edge Garden, Randall and Ward's Island, Harlem River, Manhattan, , NY

Area: North of 103rd St. Bridge/Ward's Island Bridge, sandy adjacent to shore, increasingly muddy with depth, sporadic rocks.

Surrounding Land Use: 50% Urban/Residential, 40% Parkland, 10% Beach

Sampling Site: Grassy, beach, banks altered, wood bulkhead, concrete bulkhead, riprap, pipe entering water

Shoreline: 90% Sandy; 10% Rocky

River Bottom: 60% Rocky, 40% Sandy

Plants in water: no plants in water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>	
Physical				
<i>Air Temperature</i>				
<i>Wind Speed:</i>				
<i>Weather today</i>	Very fine mist.			
<i>Weather past 3 days:</i>	No rain, clam winds			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:03 AM		11:15 AM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:15 AM		North	Flooding
<i>Water Temperature-</i>	12:14 PM	17.8 ° C	64.04 ° F	
<i>Turbidity- Long sight tube</i>	12:17 PM	41 cm		
Chemical				
<i>Salinity- Hydrometer</i>	12:14 PM	26 ppt		
<i>DO – Meter</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	12:14 PM	17.8 ° C	7.4	76
<i>pH –</i>	NR			
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Seine 1: 34, Seine 2: 126	160	Atlantic Silversides	11 cm	6 cm
Seine 1: 2, Seine 2: 2	4	Northern Pipefish	15 cm	7 cm
Seine 1	1	Winder Flounder	10 cm	
Seine 1: 3, Seine 2: 1	4	Atlantic Menhaden	6 cm	
Seine 1 @ 11:15 AM				

Seine 2 @ 11:40 AM				
Fish Totals	TOTAL: 169	Diversity: 4		
Macroinvertebrates	Number	Name	Length of longest	Length of smallest
Seine 1: 4, Seine 2: 2	6	Blue Crab	6 cm	2.5 cm
Seine 1: 3	3	Sand Shrimp		
Seine 1: 3	3	Comb Jelly		
Macroinvertebrate Totals	TOTAL: 12	Diversity: 3		
Sediment Core	Time	Oxidized Top	Grain Size	Other Features
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				