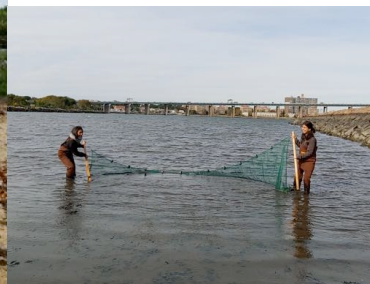


**Day in the Life of the Hudson River 10/16/18 Data
LITTLE BAY, FORT TOTTEN PARK, RIVER MILE: 15.2**

Salt Front: ~RM 24

**John Bowne High School- Michelle Theodorou
34 students 11th -12th grade, 3 adults
NYC Parks- Martha Brodylo
Latitude 40.793339 N & Longitude -73.78072 W**



Location: Little Bay, Fort Totten Park, Queens, NY

Area: Jetty, grassy area, parking lot

Surrounding Land Use: Urban/Residential; Industrial/Commercial; Beach

Sampling Site: Beach, covered in vegetation, banks altered, riprap (large rocks)

Shoreline: 60% Sandy; 20% Muddy; 20% Rocky

Water: Shallow, Choppy

River Bottom: Muddy, weedy, sandy

ITEM	Time	Reading		Comments
Physical				
<i>Air Temperature:</i>	10:06 AM	53.4 ° F	11.89 ° C	
	10:08 AM	52.9 ° F	11.61 ° C	
	10:10 AM	52.5 ° F	11.39 ° C	
<i>Wind Speed:</i>	10:10 AM	12 mph	South	
<i>Weather Today:</i>	NA			
<i>Weather Previous:</i>	Rain all day yesterday			
Water Temperature	10:40 AM	14 ° C	57.2 ° F	
		13 ° C	55.4 ° F	
		13.5 ° C	56.3 ° F	
Turbidity -	NA			
Chemical				
<i>Salinity- Hydrometer</i>	10:10 AM	22 ppt		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:30 AM	13 ° C	8	77%
<i>pH – API Master Kit pH drops</i>	10:30 AM	7.6		
<i>Nitrates</i>	10:45 AM	0 ppm		
<i>Ammonia- API Master Test Kit- drops and color match</i>	10:45 AM	0.25 ppm		
Fish	Number	Name	Length of longest	

	4 11 18 6	Sculpin Atlantic Silversides Mummichog White Perch	2 inches 4 inches 6 inches 3 inches	
	TOTAL: 39	Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	All male crab
	1 5 100+	Quahog- hard clam Blue Crab Shrimp	4 inches 2 inches 2 inches	
	TOTAL: 106+	Diversity: 3		