

Day in the Life of the Hudson River 10/13/22

Shirley Chisholm State Park, Jamaica Bay

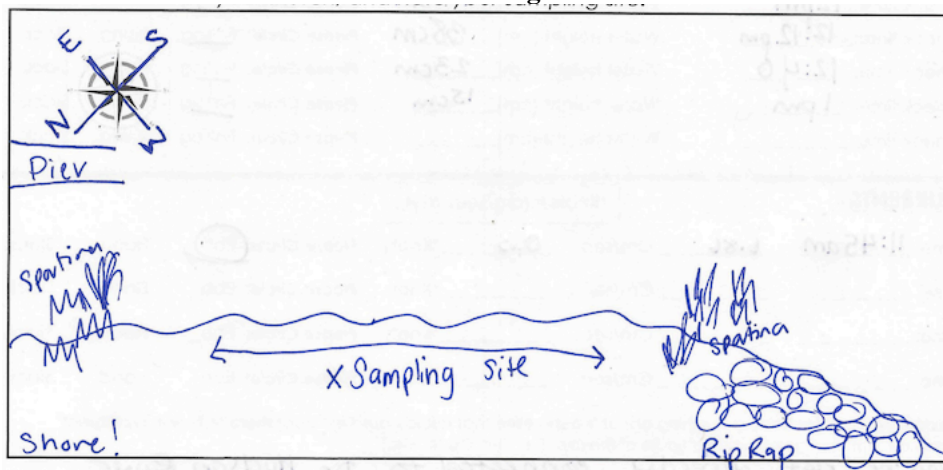
RIVER MILE: -3.75

Salt Front: ~ RM76

Shirley Chisholm State Park– Ciara Scully, NYS Parks

3 adults

Latitude 40° 38' 12" N & Longitude – 73° 52' 21" W



Location: East New York, Brooklyn

Area: A slightly protected part of Jamaica Bay with an open sandy shoreline near marsh grasses.

Surrounding Land Use: Urban/Residential; Beach; Grassland Park

Sampling Site: Beach

Shoreline: 95% Sandy, 5% Rocky

Plants in area: Salt marsh cord grass (Sportina)

River Bottom Description: Sandy

*NR = Not read/recorded

ITEM	Time	Reading		Comments
Physical				
Air Temperature-	11:45 AM	19.4°C	67°F	
Wind Speed:	11:45 AM	Anemometer 13.5 mph	Beaufort 3	Direction SW
Weather today	11:15 AM	>75% cloud cover	Start & Stop Rain	
Weather the past 3 days:	Very nice day yesterday			
Tides-	Time	Rising, Falling, Unchanged	Water Height (cm)	
	11:35 AM-1:00 PM	Falling	50 cm 15 cm	
Current-	Time	Cm/sec	Knots	North/South Ebb/Flood/Still
	11:45 AM	6.86	NR	NR Ebb
Water Temperature-	12:31 PM	17°C	62.6°F	
Turbidity- Long Sight Tube (120 cm)	12:02 PM	110.6 cm		
Chemical				
Salinity-Refractometer	9:47 AM 11:00 AM	23 ppt 23 ppt 20 ppt		
Standardized Salinity – Refractometer	11:15 AM	26,000 ppm		
DO – Hach Drop	Time	Temp	ppm DO	% saturation

<i>Count Kit</i>	12:31 PM	17°C 17°C 17°C	10 ppm 8 ppm 9 ppm	105% 80% 94%	
<i>pH – Color Match Kit</i>	12:27 PM	8			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<i>Biological-</i>					
<i>Fish – Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<i>1:00-1:15 pm</i>	85	Atlantic Silverside	10 cm	3.5 cm	
Fish Totals	TOTAL: 85	Diversity: 1			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0			
<i>Sediment Core - NR</i>					
Length NR	H2S smell	Oxid Top	Oil	Grain Size	Other Features
<i>Boats-NA</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial NR					
Recreational NR					