

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

Ferry Point Park, NY

East RIVER MILE: 13.5

Salt Front: ~ 76

NYDEC– Sarah Mount and team

& KIPP Academy Elementary School & Fatima Wilson

93 students & 10 adults

DEC HREP Sarah Mount & Supporting staff

Latitude 40.804873 N & Longitude – 73.832189 W

Location: Ferry Point Park, Bronx, NY

Area: Ferry Point Park along the East River. Below the Bronx-Whitestone Bridge across the East River. Mostly used for boating and fishing. Pier with grassy area and parking lot. Large park area used for picnics and sports with spartina covered marsh along the water and forested beyond.

Sampling Site: Marshy

Surrounding Land Uses: Beach, Grassy, and Forested

Shoreline: Sandy beach, tidal marsh area covered with dense spartina

River Bottom: Muddy and Rocky

Water: Choppy

Plants in the Water: Species not identified but lots of plants in the water

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature-</i>	11:00 AM	19.5°C		69°F	
<i>Wind Speed:</i>	11:00 AM	<i>Anemometer</i> 10 mph		<i>Beaufort</i> NR	<i>Direction</i> SE
<i>Weather today</i>	11:00 AM	>75% cloud cover		No Rain	
<i>Weather the past 3 days:</i>	Sunny, clear				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
	9:30 AM-11:30 AM	Rising		38 cm 154 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:45 AM	13.75	0.28	NR	Flood
<i>Water Temperature-NR</i>					
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:32 AM	40 cm			
Chemical					
<i>Salinity-Hydrometer</i>	11:02 AM	28 ppt			
<i>Standardized Salinity – Refractometer</i>	12:40 PM	25.5 ppt			
<i>DO –NR</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
<i>pH – Color Match Kit</i>	11:22 AM	7.4, 8.0, 7.6			Average 7.6
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
Biological-					
<i>Fish – Seine</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Length of smallest</i>
10:30 AM- 12:00 PM	1	Striped Killifish			
	29	Atlantic Silverside			
	2	Winter Flounder			

Fish Totals	TOTAL: 32	Diversity: 3			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	3	Blue Crab			
	2	Palaemonetes Shrimp			
Macroinvertebrate Totals	TOTAL: 5	Diversity: 2			
<i>Sediment Core –</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
NR	Yes	NR	NR	Common: mud, sand, gravel and pebbles	Rare: leaves, wood, shells, and living vegetation
<i>Boats- NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial		NY Ferry			
Recreational					