

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

Liberty State Park, Jersey City

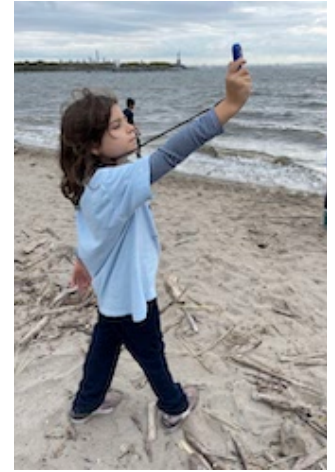
RIVER MILE: 0.5

Salt Front: ~RM 76

Hudson Montessori School – Grace Sanvictores

46 students & 12 adults

Latitude 40.719 N & Longitude – 74.050W



Location: Liberty State Park, Jersey City

Area: Beach in Liberty State Park on the Morris Canal.

Surrounding Land Use: Grassy

Shoreline: Sandy

Water: Choppy

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature-</i>	10:30 AM	19°C	66°F	
<i>Wind Speed:</i>	10:30 AM	<i>Anemometer</i> 5.7 m/s	<i>Beaufort</i> 4 to 5	<i>Direction</i> S
<i>Weather today</i>	10:30 AM	>75% cloud cover	Drizzle	
<i>Weather the past 3 days:</i>	Sunny			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	10:15 AM-11:57 AM	Rising Rising		NR
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	10:30 AM	NR	NR	NR
<i>Water Temperature-</i>	10:45 AM	18.9°C 15.6°C	66°F 60°F	Average 17.3 C 63 F
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 AM	32 cm 38 cm 40 cm	Average 36 cm	
<i>Chemical</i>				
<i>Salinity-Hydrometer</i>	11:00 AM	22 ppt 21 ppt 20 ppt		
<i>Standardized Salinity – Refractometer</i>	10:00 AM 11:00 AM	24,000 ppm 25,000 ppm		

DO – Hach Drop Count Kit	<i>Time</i> 11:00 AM	<i>Temp</i> 17.25 C	<i>ppm DO</i> 10 ppm	<i>% saturation</i> NR	
pH – Color Match Kit	10:45 AM	8.5 8 8.5			
Nitrates - NR					
Phosphates - NR					
Alkalinity - NR					
Biological-					
Fish – Seine	Number	Name	Length of longest	Length of smallest	
10:30-11:30 AM	9 1	Atlantic Silverside Striped Bass			
Fish Totals	TOTAL:10	Diversity: 2			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0			
Sediment Core - N/A					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
NR					
Boats-					
	Time	Name	Color	North/Southbound	Light/Loaded
Commerical- 2 boats were observed	NR	NR	NR	NR	NR
Recreational-N/A					