

Day in the Life of the Hudson River 10/13/22
Brooklyn Bridge Park, Brooklyn NY
Pier 1, Pebble Beach, Pier 1 (East River)
EAST RIVER MILE: 2.4

Salt Front: ~ RM 76

Packer Collegiate Institute – Jessica Genter & 7th grade
 73 students & 9 adults

Latitude 40.70445 N & Longitude – 73.99373 W



Bridge Park, Brooklyn, NY

Area: Developed set of piers with some grass.

Surrounding Land Use: 70% Urban/residential; 20% Industrial/commercial; 10% beach **Sampling Site:** South of boat marina and in front of the soccer field.

Shoreline: Beach, Riprap

River Bottom: Sandy, Muddy, Rocky

Water: calm

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	11:03 AM	21.9°C	71.4°F		
<i>Wind Speed:</i>	11:03 M	<i>Anemometer</i> 1.1 m/s	<i>Beaufort</i> 3	<i>Direction</i> SW	
<i>Weather today</i>	11:03 AM	>75% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	Sunny and dry- high 60s				
<i>Tides- measured pier to the water</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
	9:35 AM- 10:20 AM	Rising		252 cm	
	11:04 AM	Rising		244 cm	
	1:19 PM	Falling		235 cm	
				252 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>*N/S not recorded but with rising tide would expect flooding?</i>	9:55 AM	38.5		?	Ebb*
	10:30 AM	71.46		?	Ebb*
	11:18 PM	22.7		?	Ebb*
<i>Water Temperature-</i>	10:45 AM	18°C		64.4°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 AM	89 cm			
<i>Chemical</i>					
<i>Salinity-Hydrometer</i>	11:00 AM	24 ppt			

Standardized Salinity – NR					
DO – Lamotte Drop Count Kit	<i>Time</i> 11:00 AM	<i>Temp</i> 18°C	<i>ppm DO</i> 6 ppm	<i>% saturation</i> NR	
pH – Color Match Kit	11:00 AM	8			
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological-					
Fish – Seine	Number	Name	Length of longest	Length of smallest	
9:30 AM- 2:30 PM	126 1	Atlantic Silverside Striped Bass	9.5 cm 10 cm	3.5 cm	
Fish Totals	TOTAL: 127	Diversity: 2			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	14 4	Ctenophore spp. Moon Jellies			
Macroinvertebrate Totals	TOTAL: 18	Diversity: 2			
Sediment Core – NR					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats- NR					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Recreational					