

Day in the Life of the Hudson River 10/05/2023
Pier 4 Beach, Brooklyn Bridge Park, Brooklyn, NY
EAST RIVER MILE: 1.7

Salt Front: ~ RM 52

Guidepost Montessori (1st-6th grade)
PS 503 The School of Discovery (3rd & 4th grade)
Brooklyn Bridge Park Conservancy- Christina Tobitsch
47 students, 1st -6th grade, 12 adults
Latitude 40.69653°N & Longitude -73.99971°W

Location: Pier 4 Beach, Brooklyn Bridge Park, East River, Brooklyn, NY
Surrounding Land Use: Beach & Park
Sampling Site: Beach, Covered in vegetation, Riprap, Pipe entering the water
Shoreline: 85% Sandy & 15% Rocky
Water: Calm
River Bottom: Sandy & Rocky
Plants in the water: No Plants in the water
 *NR = Not read/recorded

Weather today	NR	<25% Cloud Cover	No Rain	
Weather the past 3 days:	Nice			
Tides-	Time	Rising, Falling, Unchanged	Height (cm)	
*Tide Stick fell over between groups				LT @ 7:30 AM HT @ 2:08 PM
Current- -NR	Time	Cm/sec	Knots	North/South Ebb/Flood/Slack
Water Temperature-	10:00 AM	20.6°C	69°F	
	11:00 AM	21.1°C	70°F	
	12:12 PM	22.2°C	72°F	
Turbidity- Long Sight Tube (120 cm)	10:49 AM	62.5 cm		
	12:46 PM	66.5 cm		
Chemical				
Standardized Salinity- Refractometer	11:26 AM	16,000 ppm	16 ppt	
Student Salinity- Hydrometer	10:20 AM	19,700 ppm	19.7 ppt	
	11:00 AM	19,300 ppm	19.3 ppt	
	12:00 PM	19,000 ppm	19 ppt	
	12:54 PM	17,700 ppm	17.7 ppt	
DO	Time	Temp	ppm DO	% saturation
LaMotte Color Tablets	10:30 AM		4 ppm	
	11:18 AM		5.3 ppm	
	12:10 PM		4 ppm	
	1:03 PM		6.6 ppm	
Chemets Test Kit	10:30 AM		6 ppm	
	11:18 AM		8 ppm	
	12:10 PM		7 ppm	
	1:03 PM		7 ppm	
pH – Color Match Kit	10:30 AM	7		
	11:10 AM	7		
pH pen	10:30 AM	8.1		
	11:10 AM	8		
Biological				

<i>Fish- Seine (9 Hauls)</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
9:40 AM-12:30 PM	1 1 251	Winter Flounder Atlantic Menhaden Atlantic Silverside				
Fish Totals	TOTAL: 253	Diversity: 3				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
	10 2 1 1 1 1 2	Ctenophore Spp. White Cross Hydroid Hermit Crab Green Crab Palaemonetes Shrimp Ribbed Mussel Eastern Mud Snails				
Macroinvertebrate Totals	TOTAL: 18	Diversity: 7				
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>
17 cm	9:50 AM	No	No	No	<i>Abundant:</i> Sand <i>Rare:</i> Gravel & Pebbles	<i>Common:</i> Wood, Brick <i>Rare:</i> Oyster Shells

Boats-NR

Commercial/ Recreational	Time	Name	Color	Southbound/ Northbound	Light/ Loaded