

Day in the Life of the Hudson River 10/05/2023
Kaiser Park, Brooklyn, NY
RIVER MILE: -8.5
Salt Front: ~ 52
John Dewey High School-Ilana Weinstein & Nancy Woods
City Parks Foundation-Luis Gonzalez
30 students, 11th-12th grade, 6 adults
Latitude 40.581371°N & Longitude -73.998336°W

Location: Kaiser Park, Brooklyn, NY
Surrounding Land Use: Urban/Residential, Industrial/Commercial, Beach
Sampling Site: Sandy Beach
Shoreline: 100% Sandy
Water: Calm
River Bottom: Sandy
Plants in the water: No 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>	10:00 AM 12:00 PM	20°C 23.9°C	68°F 75°F	
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	12:00 PM	<25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Varied Weather. Strange weather over past week			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	10:00 AM-12:00 PM	Rising		
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	11:45 AM	24°C		
<i>Turbidity- Estuary Wide Kit (JTU)</i>	11:30 AM	0 JTU		
Chemical				
<i>Standardized Salinity- Refractometer</i>	12:09 PM	23,000 ppm	23 ppt	
<i>Student Salinity- Hydrometer</i>	12:00 PM	24,000 ppm	24 ppt	
<i>DO – Hach Drop Count Kit & Estuary Wide Test Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:45 AM 12:00 PM	24°C 24°C	4 ppm 8 ppm	48% 95%
<i>pH – Color Match Kit</i>	11:30 AM	7.8		
<i>Nitrates- Tablets</i>	11:45 AM	0 ppm		
<i>Phosphates-Tablets</i>	11:45 AM	2 ppm		
Biological				
<i>Fish- Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
	1 32 2	Summer Flounder Atlantic Silverside Northern Kingfish	38 cm	
Fish Totals	TOTAL: 35	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	1	Palaemonetes Shrimp		

	14	Ctenophore Sp.				
	4	Hermit Crab				
	2	Blue Crab				
	3	Horseshoe Crab				Dead
	7	Eastern Mud Snail				
Macroinvertebrate Totals	TOTAL: 31	Diversity: 6				
<i>Sediment Core - NR</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

Boats					
Commercial/ Recreational	Time	Type	Color	Southbound/ Northbound	Light/ Loaded
Recreational	11:13	Speed Boat	White	Northbound	Light