

Day in the Life of the Hudson River 10/05/2023
Pier 4 (Hunters Point), Gantry Plaza State Park, Long Island City, Queens
EAST RIVER MILE: 5.6

Salt Front ~RM 52

Hunter's Point Community Middle School-Anjelle Martinez

30 students, 7th grade, 5 adults

Latitude 40.740041°N & Longitude -73.961512°W

Location: Pier 4 (Hunters Point), Gantry Plaza State Park, Long Island City, Queens

Surrounding Land Use: 80% Urban, 15% Grassy

Sampling Site: Shoreline is rocky with some plants and has pier and piping entering the river.

Shoreline: Rocky

Water: Calm

River Bottom: Muddy

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>	11:50 AM	23.9°C	75°F	
<i>Wind Speed:</i>	11:50 AM	<i>Anemometer</i>	<i>Beaufort</i> 2	<i>Direction</i>
<i>Weather today</i>	11:50 AM	26-50% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	A lot of rain & flooding, and pretty warm out			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	11:45 AM	-	63.5 cm	
	11:59 AM	Rising	64 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	11:52 AM	53.79	1.08	
<i>Water Temperature-</i>	11:03 AM	20°C	68°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:14 AM	50 cm		
Chemical				
<i>Student Salinity- Hydrometer</i>	10:40 AM	22,000 ppm	22 ppt	
<i>DO – Meter/Probe</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:08 AM	20°C	7 ppm	80%
<i>pH – Color Match Kit</i>	10:36 AM	7.5		
<i>Chlorophyll-</i>	10:26 AM	0.1		
<i>Phosphates-</i>	10:47 AM	1.5 ppm		
Biological – Did not fish				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
Fish Totals	TOTAL: 0	Diversity: 0		
<i>Macroinvertebrates- Oyster Cages</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	3	Eastern Oyster		
	4	Green Crab		
	1	Red Sponge		
	2	Amphipods (Scuds)		

	12	Sea Squirts				
Macroinvertebrate Totals	TOTAL: 22	Diversity: 5				
<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-NR					
Commercial/ Recreational	Time	Name	Color	Southbound/ Northbound	Light/ Loaded