

Day in the Life of the Hudson River 10/05/2023
Pier 1, Gantry Plaza State Park, Long Island City
EAST RIVER MILE: 6
Salt Front ~ RM 52
PS/IS 78Q- Alexander Pistell & Jessica Balton
60 students, 5th grade, 6 adults
Latitude 40.74497°N & Longitude -73.95849°W



Location: Pier 1, Gantry Plaza State Park, Long Island City, Queens
Surrounding Land Use: 80% Urban, 15% Grassy
Sampling Site: Concrete steeped pier. Shoreline is rocks with some plants and has piers.
Shoreline: Rocky
Water: NR
River Bottom: NR
Plants in the water: NR
 *NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature-NR</i>		° C	° F	
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today- NR</i>			No/yes rain	
<i>Weather the past 3 days: NR</i>				
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
<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>	NR	19°C	66.2°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	NR NR NR 11:00 AM	45 cm 30 cm 20 cm 25 cm		
Chemical				
<i>Student Salinity- Hydrometer</i>	NR NR 11:00 AM NR	22,000 ppm 20,000 ppm 18,000 ppm 18,000 ppm	22 ppt 20 ppt 18 ppt 18 ppt	
<i>DO – Chemets Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>

	11:00 AM	19°C	6 ppm 6 ppm 6 ppm 5 ppm			
<i>pH – Dissolved Tablets</i>	NR 11:00 AM NR NR	6 7 6 7				
Biological						
<i>Fish- Rod & Reel</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
9:00 AM-12:00 PM	3	Black Seabass	20.3 cm			
Fish Totals	TOTAL: 31	Diversity: 1				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0				
<i>Sediment Core -unable to core at this site</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