

Day in the Life of the Hudson River 10/14/21
Pier 1 Gantry State Park, Long Island City (East River)

RIVER MILE: 5.7

Salt Front: ~ 49

Anjelle Martinez , Daniel Agosto and students from PSQ78

NYS Parks, Recreation, and Historic Preservation -Devin Gorsen and Jenna Otero

90 students & 6 adults

Latitude 40.74497 N & Longitude – 73.95849 W

Location: Pier 1, Gantry Plaza State Park (East River), Long Island City, Queens, NY

Area:

Surrounding Land Use: Urban 80%, Grassy 15%, Rocky 5%

Sampling Site: Shoreline is rocky with some plants, piers. Sample off a concrete stepped pier

Shoreline: Riprap

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:56 AM 11:16 AM	24 ° C 27 ° C	75.2 ° F	
<i>Wind Speed:</i>	10:56 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 1	<i>Direction</i> E
<i>Weather today</i>	10:56 AM	26-50% cloud cover	No rain	
<i>Weather the past 3 days:</i>	Normal temps, no rain			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	9:48 AM- 10:39 AM 11:03 AM- 11:22 AM	Falling Rising	NR 156cm 149 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>
	11:06 AM 11:26 AM	6.6 15	0.13 0.3	South North Ebb Flood
<i>Water Temperature-</i>	10:10 AM 11:20 AM	21° C 22.6° C	72.68° F	
<i>Turbidity- 60 cm Sight Tube</i>	11:00 AM 11:41 AM	39.3 cm >60 cm		
Chemical				
<i>Salinity-</i>	10:18 AM 11:42 AM	29 ppt 24 ppt		
<i>Standardized Salinity-</i>	NR	NR		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
	10:10 AM 10:55 AM	22.6° C 22.0° C	7 6	75% 75%
<i>pH –</i>	10:34 AM 11:00 AM	6 7		
<i>Nitrates- NR</i>				
<i>Phosphates-</i>	10:17 11:47	0.2 0.7		
Biological				
<i>Fish -</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>*Oyster Cage</i>				

Fish Totals	TOTAL: 0	Diversity: 0			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	2	Green Crab	NR	NR	
	1	Mud Crab			
	3	Hydroid (colony)			
	1	Hydroid (solitary)			
	2	Tunicate			
	1	Palaemonetes			
		Shrimp			
	2	Skeleton Shrimp			
	1	Shrimp paleme			
	3	Sea squirt			
	1	Oyster			
	1	Barnacles			
	3	Snail spp.			
	2	Oyster drill			
Macroinvertebrate Totals	TOTAL:23	Diversity: 13			
Sediment Core					
Length <i>*Unable to core at this site</i>	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					