

Day in the Life of the Hudson River 10/22/20
PIER 4 GANTRY STATE PARK, LONG ISLAND CITY
RIVER MILE: East River 5.6

Salt Front: ~ RM 75

NYC DEP – Robin Sanchez, 2 participants

Latitude 40.740041 N & Longitude – 73.961512 W



Location: Pier 4, Gantry Plaza State Park (East River), Long Island City, Queens, NY

Area: Most southern pier, fishing pier

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

Sampling Site: Shoreline is rocky with some plants, piers, pipe entering water

Shoreline: riprap

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:25 AM	20 °C	68 ° F	
<i>Wind Speed:</i>	11:31 AM	1 knot	SW	
<i>Weather today</i>	No rain			
<i>Weather past 3 days:</i>	Overcast, cloudy, humid and mild temperatures			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	7:21 AM	1:45 PM	11:40 AM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:40 AM	52.15 cm/sec, 1.01 knots	North	Flooding
<i>Water Temperature-</i>	11:15 AM	18.4 °C	65.1 ° F	
<i>Turbidity- Long sight tube</i>	11:03 AM	57 cm		
Chemical				
<i>Salinity- Hydrometer</i>	10:50 AM	22 ppt		
<i>DO – Chemets</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:15 AM	18.4 °C	5 ppm	53
<i>pH – Color match kit</i>	10:43 AM	7		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Fish Totals	TOTAL:	Diversity:		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Macroinvertebrate Totals	TOTAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations				