

**Day in the Life of the Hudson River 10/14/21**

**East River 62nd Street**

**RIVER MILE: 6**

*Salt Front: ~ 49*

**Manhattan International High School- Ms. Athena Theodoris**

*65 students & 6 adults*

**Latitude: 40.760503 Longitude: -73.956649**



**Above: Boat traffic on the East River, Queensborough Bridge, Black pipe entering the waterway**

**Location:** East River by (Andrew Howell park) on FDR N around 62nd street, across Roosevelt Island  
**Area:** East River at John Finley Walk near Andrew Haswell Park on FDR N around 62nd street, across Roosevelt Island.

**Surrounding Land Use:** 80% Commercial, 20% Urban/Residential with trees and little plants around

**Sampling Site:** Rocky ground along with pier, grassy forested and parking lot

**Water:** calm

**River Bottom:** 700 cm depth muddy bottom

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature</i>	10:40-11:40 AM	Average 21.4° C	Average 70.4° F		
<i>Wind Speed:</i>	11:15 AM-1:15 PM	Anemometer Average 1.92 mph	Beaufort NR	Direction NR	
<i>Weather today</i>	10:57 AM	26-50% cloud cover	No rain		
<i>Weather the past 3 days:</i>	Mostly cloudy, windy, and sunny				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
<i>*Tides were read very close together so no change evident</i>					
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
<i>*One of several measures</i>	12:15 PM	16.3	0.317	NR	NR

<b>Water Temperature-digital thermometer</b>	11:30 AM-1:00 PM	24.7° C average	74.48° F		
<b>Turbidity- Long Sight Tube</b>	11:45 AM-12:30 PM	113 cm			
<b>Chemical</b>					
<b>Salinity- hydrometer</b>	11:45 AM-12:15 PM	26.4 ppt average			
<b>Standardized Salinity-refractometer</b>	11:05 AM	25 ppt			
<b>DO – Chemets</b>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>	
*results were from 4 ppm to 8 ppm so very widespread. Color kits can be hard to read	11:45 AM-12:45 PM	23.6° C	6.4 average	74.4%	
<b>pH – test strips</b>	11:45 AM-12:45 PM	4.6 average		*test stripes unreliable in the field	
<b>Nitrates- NR</b>					
<b>Phosphates- NR</b>					
<b>Biological</b>					
<b>Fish -</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
*Oyster cage					
<b>Fish Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	1	Blue Crab	NR	NR	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 1</b>	<b>Diversity: 1</b>			
<b>Sediment Core -NR</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
Unable to do at this site					
<b>Boats-NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
<b>Commercial</b>	11:12 AM	Gm11105	Black	North	Light
	11:21 AM	NYC Ferry	White & Green	South	N/A
	11:11 AM	Never Enuff	Black	South	Loaded
	11:31 AM	Ferry	Blue	South	N/A
	11:18 AM	Cargo	White & Black	North	Loaded
<b>Recreational</b>	11:31 AM	Nat Pack 4	White	South	
	11:29 AM	Raxe G25	White & Blue	South	
	11:32 AM	Speed Boat	White	South	