

Day in the Life of the Hudson River 10/4/12
East River, Gantry Plaza at Newtown Creek
Cristina Ragusano, Rebecca Raddock, PS 78Q - 5th grade, 40 students
Uzma Shah, Baruch College Campus High School
12th grade, 19 students

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Location: East River, Gantry Plaza State Park, Long Island City, Queens

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

Sampling Site: Shoreline is rocky with some plants and has piers.

Plants in area: A few trees and tall grasses.

Water depth: unknown

River Bottom: unknown

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	22°C		
	10:56 AM	22°C		
	11:17 AM	22°C		
	11:31 AM	22°C		
Wind Speed	10:30 AM	Beaufort 1		
	10:56 AM	Beaufort 2		
	11:17 AM	Beaufort 2		
	11:31 AM	Beaufort 2		
Cloud Cover	10:30 AM	Mostly Cloudy	Rain during mid morning	
	10:56 AM			
	11:17 AM			
	11:31 AM			
Weather last 3 days	Rainy and humid			
<i>Water Temperature</i>	10:52 AM	21°C		
	11:17 AM	25 C		
	11:39 AM	24.5		

<i>Turbidity</i> Secchi Disk	10:30 AM 10:56 AM 11:30 AM 12:05 PM	3.6 feet 3.75 feet 3.8 feet 3.75 feet	110 cm 114 cm 116 cm 114 cm	
<i>Chlorophyll</i>	10:30 AM 10:56 AM 11:52 AM 12:26 PM	0.3 2.0* 0.0 -0.1 0.1	From the chart	*rainy during this reading
<i>Chemical</i>				
DO (CHEMetrics ampules)	10:52 AM 11:17 AM 11:39 AM 12:20 PM	21°C 25 °C 24.5 °C not read	5 ppm 6 ppm 5.5 ppm 6 ppm	55% 70 % 64% not calculated
pH (test strips)	10:30 AM 10:56 AM 11:52 AM 12:26 PM	7 7 6 7		
Salinity (Hydrometer)	10:30 AM 10:56 AM 11:52 AM 12:26 PM	24 ppt 24 ppt 22 ppt 26 ppt		
<i>Tides</i>	10:30 AM 10:56 AM 11:17 AM 11:31 AM	Falling Falling Falling Staying the same		
<i>Currents</i>	10:30 AM 10:56 AM 11:17 AM 11:31 AM	3 inches/sec 0.88 inches/sec 0.97 inches/sec 1.04 inches/sec	7.64 cm/sec 2.24 cm/sec 2.46 cm/sec 2.64 cm/sec	