

**Day in the Life of the Hudson River 10/21/14**  
**(Salt Front RM 65.3)**  
**East River, Gantry Plaza at Newtown Creek**  
**Mary Mathai, Hunters Point Community MS 7<sup>th</sup> graders**  
**Uzma Shah, Baruch College Campus High School 12<sup>th</sup> grade,**  
**125 students, 6 adults**

**Kim Estes-Fradis, New York City Department of Environmental Protection**

**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 and piping entering river

**Plants in area:** A few trees and tall grasses.

**Sample Time:** 10 AM

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	16°C		
Wind Speed	10:00 AM		NW	
Cloud Cover	10:00 AM	Mostly Cloudy	No rain	
Weather last 3 days	Rainy and cold			
<i>Water Temperature</i>	10:30 AM	27°C		
<i>Turbidity Sight Tube</i>	10:30 AM	81.5 cm		
<i>Chlorophyll</i>	10:30 AM	0.1		
<i>Chemical</i>				
DO (CHEMetrics ampules)	10:52 AM	27°C	6 ppm	70 %
pH (test strips)	10:30 AM	5-6		
Salinity (Hydrometer)	10:30 AM	22 ppt		
<i>Tides – HT ~8AM per NOAA charts</i>	11:04 AM 73 cm	11:32 AM 84 cm	11 cm/28 mins OR 0.007 cm/sec	Ebbing
<i>Currents</i>	10:00 AM	360 inches/36 secs.	10inches/sec	25.4 cm/sec