

Day in the Life of the Hudson River 10/12/17
(Salt Front Hudson ~Hudson RM 65)
East RM 5.7, Gantry Plaza at Newtown Creek
Alex Pistell, Rebecca Raddock, PS 78Q - 5th– 8th grade students,
180 students, 10 adults



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

AM and PM sampling groups each with 4 rotations

<i>A</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	NR	°C	AVERAGE	
Wind Speed & Direction	Group 1AM Group 2AM Group 3AM Group 4AM	Beaufort 1 Beaufort 2 Beaufort 2 Beaufort 2	3.0 mph 2.5 mph 3.2 mph 2.9 mph	N NE N N
Cloud Cover % covered	Group 1AM Group 2AM Group 3AM Group 4AM	70% 80% 75% 70%	Overcast	
Weather last 3 days	Above average warm and rained yesterday after a long dry spell			
<i>Water Temperature</i>	Group 1AM Group 2AM Group 3AM Group 4AM	23°C 22 23 23	Avg. 23°C	
<i>Turbidity</i> Secchi Disk	Group 1AM Group 2AM	87 cm 95	Avg. 80 cm	

	Group 3AM Group 4AM	63 74		
<i>Chemical</i>				
DO - chemettes	Group 1AM Group 2AM Group 3AM Group 4AM	6 ppm 5 6 6	23°C 22 23 23	
pH (test strips)	Group 1AM Group 2AM Group 3AM Group 4AM	6 7 6 6	AVERAGE 6	
Salinity (Hydrometer)	Group 1AM Group 2AM Group 3AM Group 4AM	28 ppt 30 40* 34*	*expect a bubble was in the hydrometer	
<i>Currents</i>	Group 1AM Group 2AM Group 3AM Group 4AM	0.20 m/s 0.14 m/s 0.16 m/s 0.28 m/s		