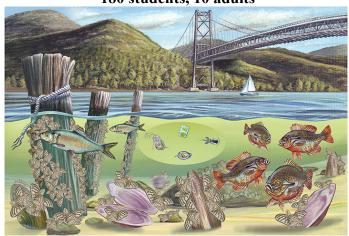
Day in the Life of the Hudson River 10/12/17 (Salt Front Hudson ~Hudson RM 65) East RM 5.7, Gantry Plaza at Newtown Creek Alex Pistell, Rebecca Raddock, PS 78Q - 5th – 8th grade students, 180 students, 10 adults



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

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

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