

**Day in the Life of the Hudson River 10/12/17 Data
(Salt front ~RM 83)
RIVER MILE -4**

Bush Terminal Park, Brooklyn

Katie McCarthy with Blyss Buitrago, Sunset Park High School, 100 students 11th grade, 5 adults

40.652 lat, -74.0189 lon



Surrounding area: dirt/sand, garbage. Collected 27lbs of trash, mostly plastic
Water: Notes: AM: light green, no oil sheen, no garbage. PM Dark blue, no oil, little garbage

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	9:00-11:00 1:00-3:00	60°F 64	15.6°C 17.8	
Wind Speed	9:00-11:00 1:00-3:00	25-31mph 19-24mph	SW SE	Beaufort Force 1
Weather past 3 days	Rained for past three days			
Cloud Cover	Cloudy in the morning, partly cloudy in the afternoon			
Water Temp	10:26 1:23 2:18 1:51	61°F 61 60 64	17°C 18 20 18	
<i>Turbidity – Long Sight Tube</i>	10:11 1:23 1:50 2:18	94cm 120 125 122		
<i>Chemical</i>	Time	ppm	Temp	% Sat
DO	10:40 1:36 1:42 1:46	5 6 6 8	18°C 18 20 20	52.8 63 66 88

pH	1:29 1:47	7.5 7.5	7.0	7.0
Salinity	9:00-11:00	34ppt 34ppt 26ppt		
Nitrates	9:30 10:25 1:25	5ppm 5ppm 0-5ppm	5ppm	
Ammonia	9:30 1:27	4ppm .5ppm		
<i>Tides - H2O depth</i>	<i>Time</i>	<i>Tide</i>	<i>Height cm</i>	
	9:46 10:20 1:00-3:00	Low tide Medium high Medium high	46 47 46	
<i>Sediment Core</i>	<i>Smell</i>	<i>Color</i>	<i>Quality</i>	<i>Notes</i>
<i>Core 1</i>	Earthy	Brown	Grainy	Worms present
<i>Core 2</i>	Briny	Light brown/sandy	Clumpy/muddy	
<i>Boat Traffic</i>	Fisherman			
Observations: Nets are on the ground High tides Windy Rocks are almost squares or triangles The waves go in different directions I saw fish		Wonderings: Why do they look like this		
Notes: Coliform Bacteria: The gel in the tube turned orange, that means that fecal coliform bacteria are not present in this area of the Hudson River. Their presence in the water serves as a reliable indication of fecal contamination. These recordings were taken on the trip, and the results read 24 hours later, 10/13 at 10:15AM. There is no fecal contamination at this time.				