

Day in the Life of the Hudson River 10/16/18 Data
BROOKLYN BRIDGE PARK (EAST), BROOKLYN
RIVER MILE: 1.7 (East River)
Salt Front: ~RM 24
Brooklyn Friends School- Janet Villas
65 students 8th grade, 7 adults
Brooklyn Bridge Park- Lhana Ormenyi
Latitude 40.704546 N & Longitude – 73.988771 W

Location: Pier 5 of Brooklyn Bridge Park, Brooklyn, NY

Area: Developed set of piers

Surrounding Land Use: 100% Urban/residential and park land

Sampling Site: South of boat marina and in front of the soccer field.

Shoreline: Rocky shoreline, riprap, concrete bulkhead

Water: Choppy

River Bottom: Sandy

<i>ITEM</i>		<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical					
<i>Air Temperature:</i>		1:00 PM	13.3 ° C	55.94 ° F	
<i>Weather Today:</i>		Rain, Partly cloudy (26-50%)			
<i>Weather Previous:</i>		Rain, cold front			
<i>Water Temperature</i>		1:15 PM	18.4° C	65.12° F	
<i>Turbidity -</i>		NR	<i>Secchi disk</i> 200 cm	<i>Long Sight tube</i> 52.3 cm	
Chemical					
<i>Salinity- meter</i>		NR	8.3 ppt		
<i>DO – Meter</i>		<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
		1:00-3:00 PM	18.4 ° C	8.7	90%
<i>pH - meter</i>		NR	6.5		
<i>Fish – Oyster traps</i>		<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
		1	Sea Robin		
		1	Sea Horse		
		TOTAL: 2	Diversity: 2		
<i>Macroinvertebrates</i>		<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
		100+	Grass Shrimp		
		TOTAL: 100+	Diversity: 1		
<i>Tides- dock to water</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>	
	1:00 PM	Rising			
<i>Currents- *measured in a cove</i>	<i>cm/second</i>	<i>Rising, Falling, Unchanged</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>	
	1:15 PM		North	Flood	
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
Commercial	1:10 PM	Ferry	Blue	North	
Commercial	1:10 PM	Ferry	Yellow	South	
Commercial	1:17 PM	Ferry	White	North	
Recreational	1:25 PM	Sailboat	Red	North	
<i>Other Observations</i>		2 Mallards & 2 Cormorants			