

**Day in the Life of the Hudson River 10/16/18 Data  
KAISER PARK, BROOKLYN**

**RIVER MILE: -8.6**

*Salt Front: ~RM 24*

**Billion Oyster Project- Annie Lederberg**

**25 teachers, 2 facilitators, DOE observers**

**Latitude 40.581371 N & Longitude – 73.998336 W**

**Location:** Kaiser Park, Coney Island Creek, Brooklyn, NY

**Area:** Forested, grassy

**Surrounding Land Use:**

**Sampling Site:** pier and wide beach area

**Shoreline:** sandy, muddy, rocky

**River Bottom:** sandy

**Plants in area:** No plants in the area

**Water:**

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	NA	°C	°F	
<i>Wind Speed:</i>	NA			
<i>Weather Today:</i>	NA			
<i>Weather Previous:</i>	NA			
<i>Water Temperature</i>	2:10 PM	18 °C	64.4 °F	
	2:14 PM	18 °C	64.4 °F	
<i>Turbidity- long site tube</i>	1:40 PM	80 cm, 107 cm		mean 93.5 cm
	1:40 PM	80 cm, 60 cm		mean 70 cm
	1:55 PM	>120 cm all 3 readings		mean >120 cm
<i>Chemical</i>				
<i>Salinity- hydrometer</i>	1:44 PM	20 ppt TS	19 ppt TS	19.5 ppt mean
	1:50 PM	20 ppt TS	21 ppt TS	20.5 ppt mean
	2:07 PM	19 ppt TS	ppt TS	
	2:10 PM	19 ppt TS	ppt TS	
	2:12 PM	19 ppt TS	ppt TS	
<i>Dissolved Oxygen – ampules</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	2:10 PM	18 °C	6 ppm	63%
	2:14 PM	18 °C	6 ppm	63%
<i>pH - color match strips</i>	1:44 PM	7, 7, 7.5		
	2:09 PM	7.5		
	2:10 PM	7.5		
	2:12 PM	7.5		
	2:17 PM	7.5		

<i>Nitrates- color match strip</i>	NA	0			
	NA	0			
	NA	0			
	NA	0			
	NA	1.5			
	NA	2			
<i>Phosphates- color match strips</i>	NA	200 no units?			extremely high reading
	NA	0			
<b>Biological</b>					
<i>Fish – 1:12 PM</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>		20 foot seine net
	27	Atlantic silverside	inch		
	2	Northern Kingfish	inch		
	<b>TOTAL: 29</b>	<b>DIVERSITY:</b>	<b>2</b>		
<i>Macroinvertebrates- 1:12 PM</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>		20 foot seine net
	2	Blue Crab			
	3	Hermit Crab			
	34	Mud Snail			
	13	Comb Jelly			
<b>TOTAL: 52</b>	<b>DIVERSITY:</b>	<b>4</b>			
<i>Tides</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>	
	NA				
<i>Currents Flow</i>	<i>Time</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NA				
<i>Sediment Core</i>	<i>Water depth</i>	<i>Length</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other</i>
NA					
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North/South</i>	<i>Loaded/Light</i>
NA					
<i>Other Observations</i>	NA				