

**A Day in the Life of the Hudson River 10/10/13 Data**  
**(Salt Front RM 69.3)**  
**RIVER MILE East River 1 East – Empire Fulton Ferry**  
**Isa Del Bello, Brooklyn Bridge Park Conservancy & Kathy Nolan, St. Frances**  
**College**  
**PS8 & MS447 Schools (District 13 & 15) - 15 5<sup>th</sup>-7<sup>th</sup> graders & 4 adults**  
**40.704506 N – -73.988371 W**

**Location:** South of the Manhattan Bridge @ Brooklyn Bridge Park

**Area:** 100% Urban/residential, 15% beach

**Surrounding Land Use:** Urban residential 89%, Beach 1%, Industrial/Commercial 10%

**Sampling Site:** Beach area, sandy shoreline with rip rap, bulkhead, banks altered, piping entering river, brick, slag, charcoal on ground

**Plants in area:** no plants noted in water

**Water depth:**

**River Bottom** –sandy/rocky in parts, muddy in parts – lots of debris

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	4:30 PM	14.4°C 58 °F	5:30 PM	14.4°C 58 °F
Wind Speed	Beaufort 4	9 mph		
Cloud Cover	overcast			
Weather today	Cloudy no precipitation			
Weather last 3 days	Mild with temps. Between 58 and 68 degrees °F			
<i>Water Surface</i>	Choppy			
<i>Water Temp.</i>	5:05 PM	18.5°C 65.3 °F	18.4°C 65.12 °F	
	5:30 PM	18.6°C 65.48 °F	18.4°C 65.12 °F	
<i>Turbidity – site tube</i>	5:30 PM	91 cm		
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO - tablet	4:25 PM	18.5 °C	4.0 mg/L	40% saturation
pH – meter	5:22 PM	7 5 7		Average 6.33
Salinity – hydrometer	4:43 PM	25 ppt X 3		
<i>Fish Catch – seine 20 ft.X4ft.</i>	4:35 PM Seine#2	Atlantic Silverside	1	9.5 cm

<i>3/16 mesh</i>				
<i>20 ft pulls X4 times</i>	4:35 PM Seine #4	Atlantic Silverside	1	8 cm
<i>Minnow trap</i>	<b>DIVERSITY</b>	<b>1</b>	<b>TOTALS</b>	<b>2</b>
	<b>Macros</b>	Ctenophores (Comb Jellies)	<b>MANY</b>	
<i>Tides</i>	4:30 PM	0 cm	Falling	
<i>Currents</i>				
<i>Other Items</i>				
<i>Core Description</i>	<i>Length</i>	<i>Abundant</i>	<i>Rare</i>	<i>No H2S smell</i>
<i>Shipping</i>	4:30 PM	FDNY Boat	Northbound	Loaded
	4:42 PM	Container Ship	Southbound	Light
	5:03 PM	Water Taxi	Northbound	
<i>Observations</i>				