

**A Day in the Life of the Hudson River 10/20/16 Data  
(Salt Front ~HR RM 80)  
RIVER MILE East River 1**

**Janet Villas, Brooklyn Friends School, 47 eight graders, and 5 adults  
Isa Del Bello and staff from the Brooklyn Bridge Conservancy  
Latitude 40.704546 – Longitude 73.988771**



**Location:** East River, south of the Manhattan Bridge @ the new Brooklyn Bridge Park, Dumbo Section

**Area:** 100% Urban residential, Park

**Surrounding Land Use:** pier, grassy

**Sampling Site:** Sandy beach and riprap, rocky

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

**Water depth:**

**River Bottom:** Sandy

<i>ITEM</i>	<i>TIME</i>	<i>10/16/14 Data</i>	<i>TIME</i>	<i>10/20/14 Data</i>
<i>Physical</i>				
Air Temperature	8:50 AM	20 °C 18.5°C	68°F 65°F	19.25°C Avg 66.5°F
Wind Speed	Beaufort 2			
Cloud Cover	Mostly Cloudy 51-75%			
Weather today	cloudy			
Weather last 3 days	Dry, dry and hot			
<i>Water Surface</i>	Choppy			
<i>Water Temp.</i>	8:50 AM	18.5°C 18.0 18.5	18.3°C average	
<i>Turbidity – secchi</i>	9:10 AM	100 cm 150 cm 100 cm	125 cm	

<b><i>Turbidity – long sight tube</i></b>	9:00 AM	55 cm 55cm 55cm	55 cm	Very clear water today
<b><i>Chemical</i></b>				
DO -vernier	9:20 AM	13.7 ppm	18.55%	
pH - meter	8:45 AM	7.6		8
Salinity – vernier meter	8:45 AM  later reading	20.4 ppt 20.4 20.4 21.3 ppt		20.4 ppt
Nitrates	9:15 AM	1.0 1.0 1.0	1.0 ppm	
<b><i>Fish</i></b>	1	Small bluefish	10 cm	
<b><i>Tides</i></b>	8:50 AM	Coming in		
<b><i>Currents</i></b>	8:50 AM	NY harbor –	very busy and very deep so not collected	
<b><i>Boats</i></b>	So many boats! Ferries, boats, big and small! Way to many to count!!!			
<b><i>Other Items</i></b>	Oyster cage had blue mussels in it.			