

A Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE East River 1 East – Dumbo Under Manhattan Bridge
Janet Villas, Brooklyn Friends School, 17 eight graders, and 3 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: Urban residential, Park

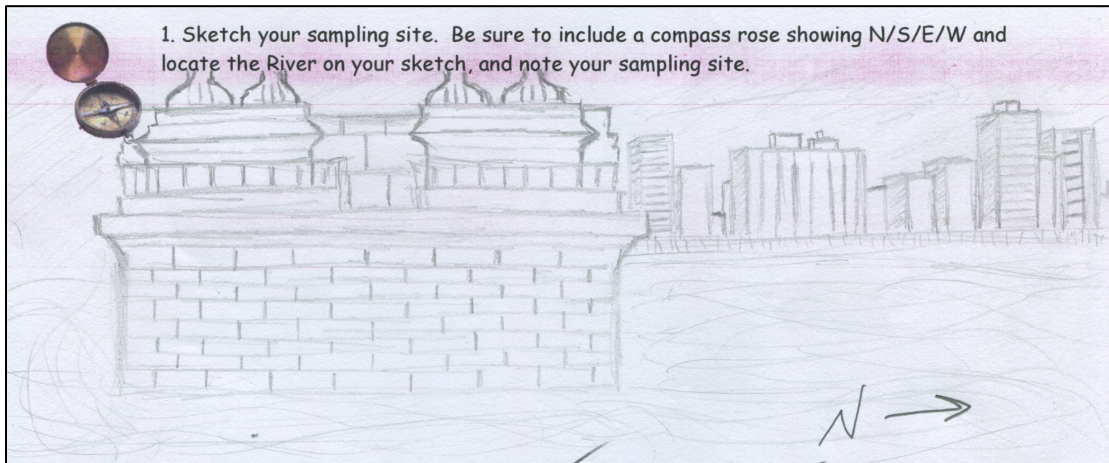
Surrounding Land Use: pier, grassy

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	8:45 AM	13.2 °C 56 °F		
Wind Speed				
Cloud Cover	Partly Cloudy 26-50%			

Weather today	No rain		AM	Cool but sunny
Weather last 3 days	Unseasonably cool			
Water Surface	Choppy			
Water Temp.	8:45 AM	15.1°C	It is a bit cloudy & you can't see through very well. Looks more clear in the river	
Turbidity – tube	AM	28cm		
Coliform Bact.		Positive		Positive
Chemical				
DO -vernier	8:45 AM	14.2 ppm		
pH - meter	8:45 AM	7.01		8
Salinity – vernier meter	8:45 AM	17.3 ppt		
Solids –	Imhoff Cone	20 ml	1	
Tides	4:15 PM	Lowtide		Incoming tide
Fish – seine – 10 ft. net	6 comb jellies			
Commercial Ships - Time	Name	Color	N/S	Loaded/Light
8:50 AM	East River Ferry	White & Blue	N	Loaded
8:55 AM	East River Ferry	White & Blue	S	Loaded
9:01 AM		White	S	Light
Recreational Ships	Name	Color	N/S	Loaded/Light
8:56 AM	Seastreak	White	S	Light
Sediment Core from Dumbo	Length	Rare	Abundant	Other Comments
	16 cm	Clay	Sand	No H2S smell
		Mud		No oil
		Gravel		No oxidized top
		Pebbles		
		Brick		
Other items	Waterfront has bricks, sand and groomed park.			