

Day in the Life of the Hudson River 10/20/16
East RM8.7, Hallets Point
Betty Eck, PS Q300, the 30th Ave. School
56 sixth grade students, 4 adults
GPS Latitude 40°46'10.2"N Longitude 73°56'08.3"W

Location: East River, Hallets Cove boat launch, Long Island City, Queens

Surrounding Land Use: Urban/residential 25%; Beach 25%; Industrial/Commercial 25%
rest is park 25%

Sampling Site: Beach area with large debris like concrete etc. and brick pieces

Plants in water: Yes ~10% of the area is covered with plants - they were not specifically identified, only algae was seen and leafy plants growing attached to submerged rocks.

Water depth: unknown

River Bottom: The beach transitions from sand, rocks around the water edge and then a thick mud bottom of the water.

All sampling occurred between 9:30-11:00 & 11:30 and 1:00 PM

<i>A</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM 11:00 AM	16°C 19	61 °F 66	
Wind Speed	Averaged	Beaufort 2	NE	7 mph
<i>Cloud Cover</i>	Overcast	<i>Water</i>	calm	
Weather last 3 days				
<i>Water Temperature</i>	10:00 AM 11:00 AM	16°C 18°C	62°F 65°F	
<i>Turbidity</i>	Time 10:00 AM 11:00 AM	Secchi Disk 55,55,53 cm 60, 60, 60 cm	Avg. Secchi 54.5 cm 60 cm	Short site tube 10 JTU 10 JTU
<i>Chemical</i>				
DO - (meter)	11:00 AM	8 ppm	18°C	90% saturated
pH (meter)	10:00 AM	7.3 7.3		Avg 7.3
Salinity (Hydrometer)	11:00 AM	30 ppt 27 27		Avg. 28 ppt
Nitrates	11:00 AM	5 ppm 5 5		Avg. 5 ppm
Phosphates	11:00 PM	2 ppm		2 ppm
<i>Fish – 10 ft. net – 2 tries</i>	NO FISH			