

Day in the Life of the Hudson River 10/12/17 Data
(Salt front ~RM 65)
RIVER MILE 9
West Harlem Piers @ 125th street
Ben Raikes, The School at Columbia, 60 students 6th grade, 10 adults
Lat 40.819610, Lon. -73.960937

Location: West Harlem Pier

Area: Pier –sampled at mid pier away from street and bulkhead

Surrounding Land Use: 100% Industrial Commercial

Sampling Site: Recreational pier – rocks near the edge, banks altered – all hard edged concrete bulkhead, vegetation

Plants in area: No plants

Water: Choppy

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	10:30 11:00 12:35	55°C 61 65	13°C 16.5 18.3	
Wind Speed		3 Beaufort Force	2-10mph	N-NE
Cloud Cover	overcast			
<i>Turbidity – turbidimeter</i>	1:20	47 44.3 54.5	Average: 48.6cm	
<i>Chemical</i>	Time	ppm	Temp	% Sat
DO – tablets	Throughout the day	4ppm		
pH - tablets	12:15	7 8 7	Average: 7.3	
Salinity hydrometer	12:15	18ppt 20 19	Average: 19ppt	
<i>Tides - H2O depth</i>	Time	Rise/Fall/Unch	Height ft	Height cm
	11:06 11:26 11:48 1:02 1:23	 Rising Falling Rising falling	7ft 10in 11ft 9ft 9ft 10in 9ft	238.8cm 335.3 274.32 299.7 274.32
<i>Currents</i> <i>*Our data was dependent on the throwing ability of</i>	Time	Cm/ sec	North/South	Ebb/Flood/Still
	10:30 11:00 11:30	4.7 10.6 13.7	N S S	F E E

<i>the group recording, some were close to shore, but some could hurl the orange further!</i>	12:30	12.8	N	F
	1:00	12.7	N	F
	1:30	28.4	N	F