

**Day in the Life of the Hudson River 10/12/17 Data**  
**(Salt front ~RM 65)**  
**RIVER MILE 10**  
**West Harlem Piers @ 125<sup>th</sup> street**  
**Ben Raikes, The School at Columbia, 60 students 6<sup>th</sup> 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>	<b>Time</b>	<b>ppm</b>	<b>Temp</b>	<b>% Sat</b>
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>	<b>Time</b>	<b>Rise/Fall/Unch</b>	<b>Height ft</b>	<b>Height cm</b>
	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>	<b>Time</b>	<b>Cm/ sec</b>	<b>North/South</b>	<b>Ebb/Flood/Still</b>
	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