

Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 9
West Harlem Piers @ 125th street
Ben Raikes, The School at Columbia, 55 students 6th grade, 8 adults
Lat 40.8198, Lon. -73.9606

Location: Pier 125, is an educational pier used for boating and fishing

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: Calm but sometimes choppy

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	10:00 AM 2:00 PM	13°C 20°C		
Wind Speed	10:00 AM	8 mph	SW	
Cloud Cover		Clear	<25% cloud cover	
Weather today	Clear, no rain		<i>Water surface</i>	choppy
Weather recently	Cold no rain			
<i>Water Temperature</i>	8:34 AM	11°C 14°C 14°C		Average 13°C
<i>Turbidity Secchi</i>	8:30 AM	90 cm		
<i>Turbidity short site tube</i>	9:20 AM	10 JTU		
<i>Chemical</i>	Time	ppm	Temp	% Sat
DO – drop count test kit	10:00 AM	4ppm	15°C	42 % -
pH kit as above	10:30 AM	7 7 7		
Salinity	10:00 AM – 2PM	14 ppt		
<i>Tides - water depth</i>	<i>Time</i>	<i>Rise/Fall/Unch</i>	<i>Height cm</i>	
<i>*Measuring from</i>	10:32 AM	1 st reading	244	<i>*note – LT</i>

<i>height of top rail of pier to water surface. Larger #s equals lower tide. Waves make water level hard to judge.</i>	10:54 AM	Falling	317	<i>was ~ 9AM so tide was rising during full sampling (see below HRECOS)</i>
	11:23 AM	Rising	312	
	11:45 AM	Rising	305	
	12:47 PM	Unchanged	305	
	1:04 PM	Falling	330	
	1:27 PM	Rising	290	
	1:40 PM	Falling	297	
<i>Currents *Readings were taken close to the shore and we were limited by how far we could throw.</i>	<i>Time</i>	<i>Cm/ sec</i>	<i>N/S</i>	<i>Ebb/Flood</i>
	10:00 AM	12.5	N	F
	10:35 AM	12.7	S	E
	11:00 AM	7.3	N	F
	11:30 AM	11.8	N	F
	12:30 PM	29.3	N	F
	12:50 PM	30.0	N	F
	1:10 PM	28.0	N	F
	1:30 PM	26.0	N	F

Tides for Pier 84 station just south of this sampling location. Shows tides rising during full session at the river.

