

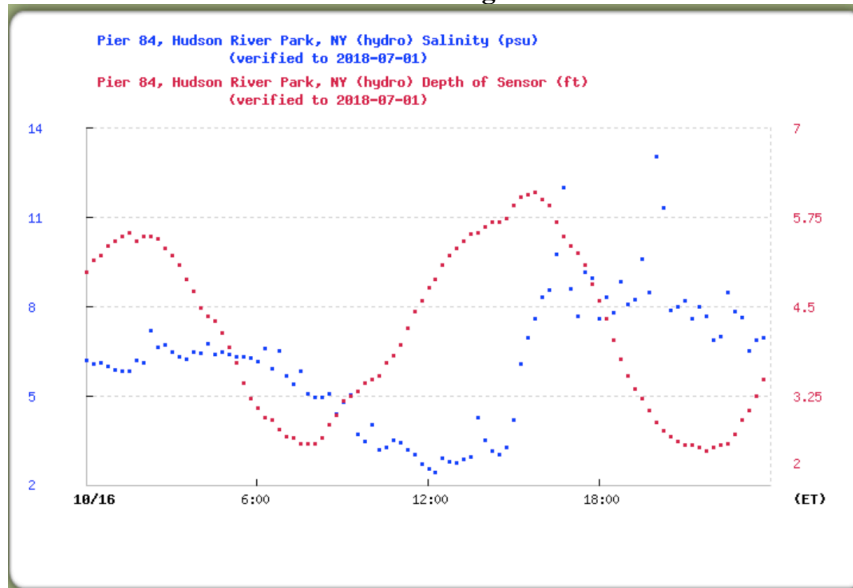
**Day in the Life of the Hudson River 10/16/18 Data
HUDSON RIVER PARK PIER 45, MANHATTAN
RIVER MILE: 3.2**

Salt Front: ~RM 24 (Between Piermont & Dobbs Ferry)

**Ellis Preparatory Academy- Michele Weintraub
25 students 11- 12th grade , 3 adults**

**Tania Goicechea & Hanyu Lu & Mary Leou - NYU's Wallerstein Collaborative for Urban Environmental
Education**

Latitude 40.733342 N & Longitude – 74.013938 W



Location: Hudson River Park, Pier 45, Manhattan, NY

Area: Christopher Street Pier at the southside end of the pier where the “gazebo” is at the foot of the pier

Surrounding Land Use: 50% Urban/residential; 50% Lawn

Sampling Site: Recreational Pier

Shoreline: Banks altered with bulkhead, mainly metal and wooden pier.

Water: choppy, 1 meter deep

River Bottom: Muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>	
Physical				
<i>Air Temperature:</i>	11:30 AM	12 ° C	53.6 ° F	
	11:41 AM	11 ° C	51.8 ° F	
	11:50 AM	11 ° C	51.8 ° F	
	12:01 PM	11.5 ° C	52.7 ° F	
<i>Weather Today:</i>	No Rain; Partly cloudy (26-50%); AM: cloudy and windy. PM: sunny and gentle breeze			
<i>Weather Previous:</i>	Rainy and calm yesterday			
Water Temperature	11:32 AM	12 ° C	53.6 ° F	
	11:42 AM	11 ° C	51.8 ° F	
	11:50. AM	11 ° C	51.8 ° F	
	12:00 PM	10.5 ° C	50.9 ° F	
Turbidity - secchi disk	11:32-12:10 PM	39.2 cm, 36.2 cm, 32.2 cm, 33.3 cm	Avg: 35.23 cm	
Chemical				
<i>Salinity- hydrometer</i>	11:30-12:15 PM	6 ppt 3 ppt 3 ppt 3 ppt	Avg: 3.8 ppt * see HRECOS print out below	Salinity falling as the tide rises – a function of all the rain.
<i>DO – ampules</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>

		11:32 AM	12 ° C	7	64.93
		11:42 AM	11 ° C	7	63.46
		11:50 AM	11 ° C	7	63.46
		12:00 PM	10.5 ° C	8	71.69
<i>pH</i> –		11:32-11:58 AM	7.25, 7, 6.81, 7.24	Avg: 7.08	
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
	11:48 AM	Boat observed...			
<i>Other Observations</i>		The water looks greenish, but didn't see macroplants growing in water.			