

**Day in the Life of the Hudson River 10/20/15 Data  
RIVER MILE 4**

**Pier 84**

**N 40. 40.76408, W-74 .001893**

**Tina Walsh and staff from the Hudson River Park**

**Julie Taegel, City Knoll Middle School, 15 6<sup>th</sup> graders and 1 adult - AM**

**Lavonne Hunter, CASA, 45 sixth graders and 5 adults – Mid Day**

**Christine Kecskemeti, PS 51 Elais Howe School 60 4<sup>th</sup> graders and 8 adults - PM**



**Location:** Pier 84, is an educational pier used for picnics, boating, jogging, fishing

**Area:** Pier – bulkhead – mainly concrete & wood

**Surrounding Land Use:** 60% urban/residential, 40% Industrial Commercial

**Sampling Site:** Recreational pier – rocks near the edge, banks altered – all hard edged, muddy bottom

**Depth:** ~12 feet off pier

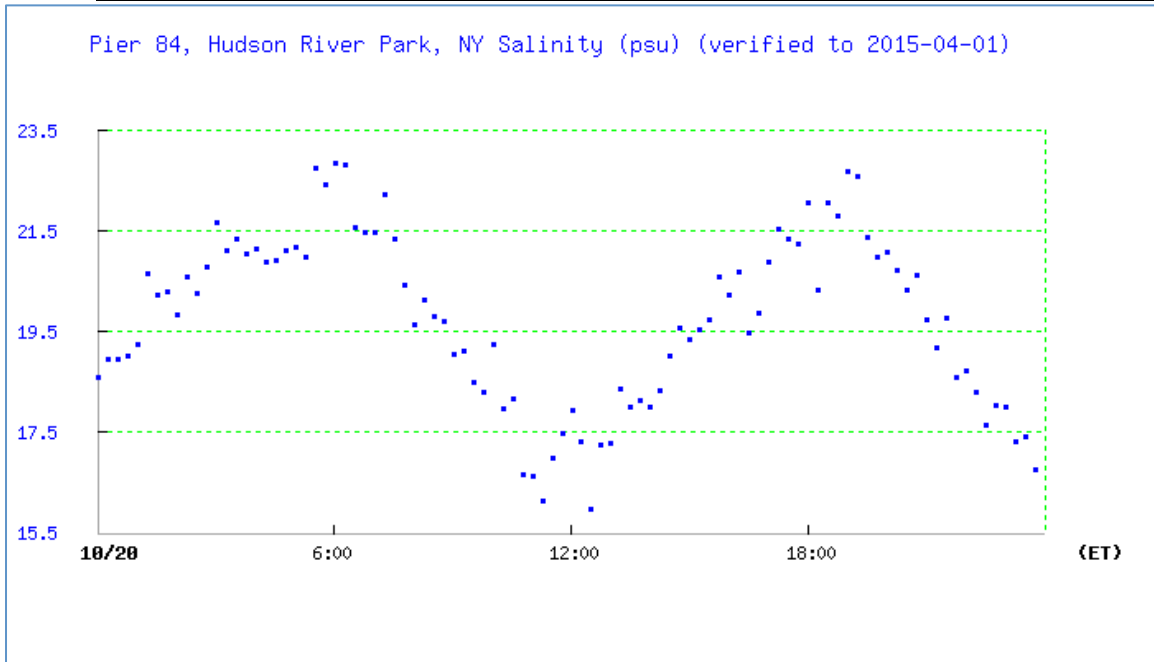
**Plants in area:** No plants

**Water:** Calm

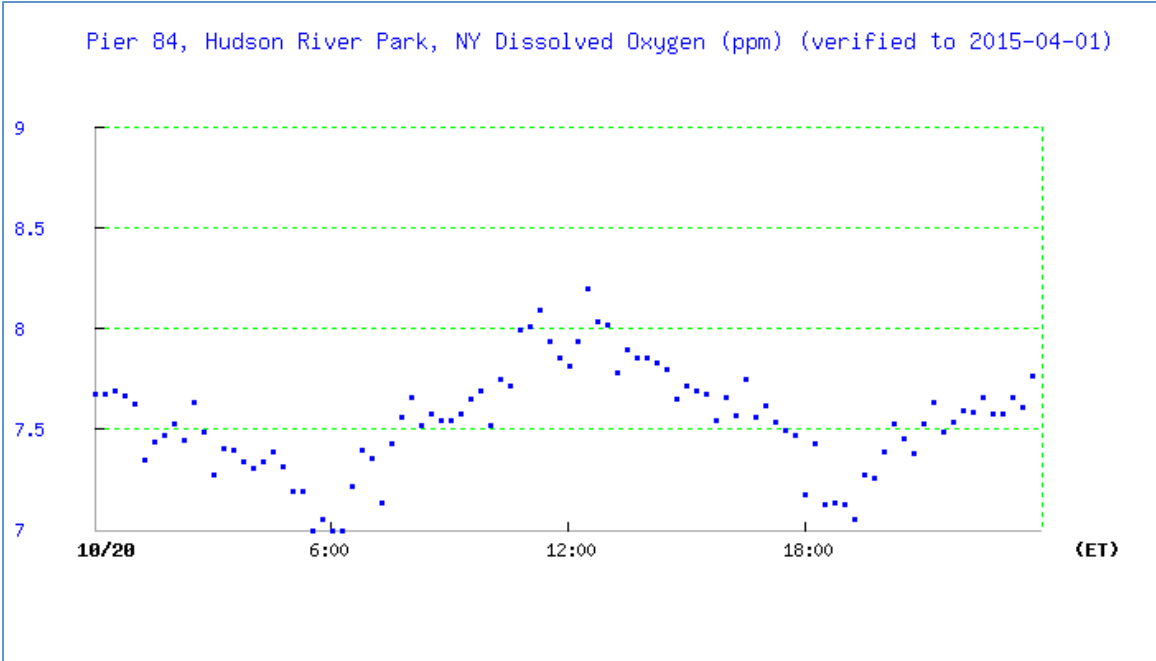
<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	10:30 AM	11°C		
	11:30 AM	12°C		
	12:00 AM	16°C		
	1:15 PM	20 °C		
	1:45 PM	19°C		
	2:00 PM	14°C		
Wind Speed	10:30 AM	Beaufort 2	4.7 mph	SW
	11:00 AM	Beaufort 2	3.9 mph	SW
	11:30AM	Beaufort 3	5 mph	SW
	12:15 PM	Beaufort 2	4 mph	S
	1:15 PM	Beaufort 2	4 mph	SW
	1:45 PM	Beaufort 3	7 mph	SW
	2:15 PM	Beaufort 2	4 mph	S

Cloud Cover	10:30 AM 11:00 AM 11:30AM 12:15 PM 1:15 PM 1:45 PM 2:15 PM	Clear all day	<25% cloud cover all day	
Weather today	Clear		<i>Water surface</i>	
Weather recently	Cool some rain			
<i>Water Temperature</i>	11:00 AM 11:40 AM 12:00 PM 1:15 PM 1:45 PM 2:00 PM	14°C 13°C 12°C & 11°C 14°C 12°C 12 °C		
<i>Turbidity Turbidity tube – cm</i>	10:30 AM 11:00 AM 11:50 AM 12:15 PM PM PM	47 cm 35 cm 39 cm 30 cm 56 cm 57 cm		
<i>Chemical</i>	<b>Time</b>	<b>ppm</b>	<b>Temp</b>	<b>% Sat</b>
DO	10:30 AM	8	14°C	78%
Estuary wide monitoring Kit –	11:00 AM	8	14°C	78%
	11:30 AM	6	13	56%
	11:45 AM	7	13	65%
	1:15 PM	8	14	78%
	1:45 PM	9	12	80%
	2:00 PM	8	12	75%
	2:15 PM	8	12	75%
pH kit as above	0:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM	7 7 7 7 7.5 7.5 7 7		
Salinity - hydrometer	10:30 AM 11:00 AM 12:00 PM 12:15 PM 1:20 PM 1:45 PM	18 18 15.5 15.5 16 15		

	2:15 PM	15		
<b><i>Fish Catch</i></b>	<b><i>Time</i></b>	<b><i>Species</i></b>	<b><i># caught</i></b>	<b><i>Size</i></b>
<b><i>Fishing rod with circle hook &amp; clam bait</i></b>		Striped Bass	6	23 cm
		Silverside	1	5 cm
		Blue Crab	1	5 cm
<b><i>Tides - water depth</i></b>	<b><i>Time</i></b>	<b><i>Distance to water</i></b>	<b><i>Rate of change</i></b>	<b><i>Flood or Ebb</i></b>
	10:15AM	183cm		Flooding
	11:15AM	213 cm		
	1:00 PM	244 cm		
<b><i>Currents</i></b>	<b><i>Time</i></b>	<b><i>Meter/sec</i></b>	<b><i>Cm/sec</i></b>	<b><i>Ebb/Flood</i></b>



***Salinity at Pier 84***



*DO at Pier 84*