

**Day in the Life of the Hudson River 10/16/14 Data  
(Salt Front RM 65.9)**

**RIVER MILE 4**

**Pier 84**

**N 40.76408 W-74.001893**

**Tina Walsh, Carrie Robles and staff, Hudson River Park Trust**

**Lavonne Hunter and staff, Baychester Middle School in the Bronx, 38, - 7<sup>th</sup> graders,  
9 adults**



**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

**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	11:00 AM 11:30 AM 12:00 AM	20°C 18.9°C 17.8°C		
Wind Speed	10:30 AM 10:55 AM 11:20 AM 11:45 AM	Beaufort 3 Beaufort 3 Beaufort 3 Beaufort 3		
Cloud Cover	10:30 AM 10:55 AM	100% 100%		

	11:20 AM 11:45 AM	100% 100%		
Weather today	Rainy		<b>Water surface</b>	choppy
Weather recently	Humid some rain			
<b>Water Temperature</b>	11:00 AM 11:02 AM 11:30 AM 11:50 AM	20, 19, 20°C 19°C 20°C 18, 19°C		
<b>Turbidity Turbidity tube – cm</b>	11:15 AM 11:35 AM 11:45 AM 12:15 PM	30, 43.5, 47,47 30 cm 30, 30 cm 53.5 X 5	AVERAGE	41.75 cm 30 cm 30 cm 53. 5 cm
<b>Chemical</b>	<b>Time</b>	<b>ppm</b>	<b>Temp</b>	<b>% Sat</b>
DO	10:50 AM	2	18° C	20%
Estuary wide monitoring Kit –	10:50 AM	2	19°C	20%
pH kit as above	11:30 AM 11:50 AM	7 7		
Salinity - refractometer	11:50 AM 11:50 AM 11: 50AM	24 ppt 24 ppt 24 ppt		
Salinity - hydrometer	11:00 AM 11:05 AM 11:05 AM 11:05 AM 11:05 AM 11:08 AM 11:20 AM	21.6 19 22 23 21.6 20 20	Average	21 ppt
<b>Fish Catch</b>	<b>Time</b>	<b>Species</b>	<b>Size</b>	<b>All caught on line</b>
<b>Hook, line, sinker</b>	10:35 PM	Blue Crab	5 inches	
<b>Tides - water depth</b>	<b>Time</b>	<b>Distance to water</b>	<b>Rate of change</b>	<b>Flood or Ebb</b>
<b>*HRECOS has much larger rate of change</b>	10:30AM 12:20 PM	295 cm 305 cm	Start point 10 cm*	Flooding
<b>Currents</b>	<b>Time</b>	<b>Meter/sec</b>	<b>Cm/sec</b>	<b>Ebb/Flood</b>
	10:15 AM			Flooding
	10:30 AM			Flooding
	11:00 AM			Flooding
	11:30 AM			Flooding

Pier 84, Hudson River Park, NY Depth (m) (verified through: 2014-01-01)

