

**Day in the Life of the Hudson River 10/20/16 Data**  
**(Salt front ~ RM 83)**  
**RIVER MILE 2.5**  
**Hudson River Park's Pier #45**  
**Shino Tanikawa- New York City Soil & Water Conservation District**  
**PS 3 Manhattan 2<sup>nd</sup>, 3rd & 4th – 58 students & 11 adults total**

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

**Area:** Pier, Banks altered – bulkhead – mainly metal and wooden pier

**Surrounding Land Use:** 100% Hudson River Park with walkway, some planted areas

**Sampling Site:** Recreational pier

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				Averages
Air Temperature	10:00 AM	24.0°C 25.0 24.0 23.0 22.0		23.6°C
	11:00 AM	24.0°C 22.0 22.0 22.0 22.0		22.4°C
<i>Water Temperature</i>	10:00 AM	18.0°C 18.0 19.0 19.0 19.0		18.4°C
	11:00 AM	18.0°C 18.0 18.0 18.0 18.0		18.1°C
<i>Chemical</i>				
DO (chemets ampules)	10:00 AM	7.0 ppm 6.0 6.0 7.0 8.0		7 ppm
	11:00 AM	6.0 ppm 6.0 ppm 6.0 ppm 8.0 ppm 7.0 ppm		7 ppm
pH (ColorHast pH strip)	10:00 AM	6.5 7.0		6.8

		7.0 7.0 6.5		
	11:00 AM	7.0 6.5 6.5 7.0 7.0		6.8
Salinity (hydrometer)	10:00 AM	21.3 ppt 21.3 21.7 21.3 21.7		21.5 ppt
	11:00 AM	20.0 ppt 20.0 21.3 21.4 20.0		20.5 ppt
Hydrometer – Specific gravity	10:00 AM	1.016 1.016 1.016 1.016 1.016		1.016
	11:00 AM	1.015 1.015 1.016 1.016 1.015		1.015