

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)  
RIVER MILE 2.5**

**Hudson River Pier #45 - Christopher Street  
Hana Takebe**

**Wallerstein Collaborative for Urban Environmental Education/NYU (6 Adults)  
Blue School 19 students & Chelsea High School two groups 25 each (50 total CHS)  
plus teachers  
(69 students and 10 adults)**



**Location:** Christopher Street Pier West end closest to the roadway on the South side

**Area:** Pier – bulkhead – mainly metal and wooden pier

**Surrounding Land Use:** roads and parking lots nearby, very little tree or grass cover

**Sampling Site:** Recreational pier

**Plants in area:** None

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:40 AM	16°C	Blue School	
	10:50 AM	16		
	11:06 AM	16		
	11:17 AM	16		
	11:55 AM	16°C	Chelsea HS 1	
	12:06 PM	17		
	12:22 PM	17		
	12:36 PM	17		
	12:54 PM	17 °C	Chelsea HS 2	
	1:01 PM	17		
	1:24 PM	17		
	1:31 PM	17		

Wind Speed	Windy			
Cloud Cover	AM sunny PM cloudy			
Weather today	Windy, cloudy & cold			
Weather recently	Sunny & warm			
Water description	Choppy & murky			
<b><i>Water Temperature</i></b>	10:40 AM 10:50 AM 11:06 AM 11:17 AM 11:55 AM 12:06 PM 12:22 PM 12:36 PM 12:54 PM 1:01 PM 1:24 PM 1:31 PM	15°C 15 15 15 15°C 14 16 14 15°C 14 15 15	Blue School    Chelsea HS 1    Chelsea HS 2	
<b><i>Turbidity – 60 cm site tube</i></b>	10:37 AM 10:49 AM 11:07 AM 11:16 AM 11:53 AM 12:08 PM 12:34 PM 12:40 PM 12:56 PM 1:04 PM 1:27 PM 1:37 PM	>60 >60 >60 >60 >60 >60 >60 >60 >60 >60 >60 >60	Blue School    Chelsea HS 1    Chelsea HS 2	
<b><i>Chemical</i></b>				
DO (ampules - chemettes)	12:00 PM – 1:00 PM	6.6 mg/L 6.0	Chelsea HS 1 Chelsea HS 2	
pH – litmus paper	10:40 AM 10:50 AM 11:00 AM 11:10 AM 11:20 AM	7 7.5 7.3 7.5 7	Wide range solution	7.5 7.3 7.3 8.5 7
Salinity		Hydrometer	refractometer	
	10:40 AM 10:50 AM 11:1 AM 11:20 AM 12:10 PM 12:30 PM	15 ppt 18 16.7 15.4 16.7 16.5		Blue School    Chelsea HS 1

	12:50 PM 1:05 PM 1:25 PM 1:30 PM	22.2 20.6 21/7 20.6	20 20 20 20	Chelsea HS 2
<b>Tides</b>	10:40 AM 11:53 AM 12:54 PM	High Mid tide Mid tide	Blue School Chelsea HS 1 Chelsea HS 2	
<b>Other</b>	Boats, birds Water Bottle (trash)			