

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

RIVER MILE -1

Governor's Island, Upper NY Bay/Buttermilk Channel

Sam Janis - New York Harbor School

30 students 9th graders, 4 adults

Latitude N 40°41'29" - Longitude W074°1.14'

Location: Pier 101, NE Governor's Island – Upper NY Bay

Area: Pier along waterfront of the island

Surrounding Land Use: 100% converted to public access programs (education, boating, recreation)

Sampling Site: Pier, shoreline is bulkheaded

Plants in area: None

Water depth: surface samples

Times: Data collected throughout the day

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:15 AM	20.7°C 71.26°F		
Wind Speed	windy	8 mph		
Cloud Cover	Cloudy	Stratus clouds100%		
Weather today	Humid, wet, gloomy			
Weather recently	Humid			
<i>Water surface</i>	Sample from surface			
<i>Water Temperature</i>		17 °C		
<i>Turbidity – turbidity tube</i>		80 cm 45 45	56.6 <i>average</i>	
<i>Chemical</i>				
DO (chemmet kit)	20°C 20°C 17°C	6 mg/L 3 7	19 °C 5.3 <i>average</i>	55% saturation
pH – Lamotte colormetric		7.5 5 6	6.83 <i>average</i>	
Salinity (Hydrometer)		26 ppt 25 25	25.3 <i>average</i>	
<i>Tides</i>		HT 3:24 PM	LT 9:20 AM	
<i>Currents</i>	10:15 AM	South	1.0 kt	