

**Day in the Life of the Hudson River 10/20/16 Data**  
**(Salt Front ~RM 80)**  
**RIVER MILE -1**  
**Governor's Island, Upper NY Bay/Buttermilk Channel**  
**Roy Arrezzo - New York Harbor School AM**



**30 students 10<sup>th</sup> graders, 2 adults**  
**Latitude N 40° 41' 29" - Longitude W074° 01.14'**

**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

**High Tide:** 12:16 PM – LT 6:02 AM

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:30 AM	22°C 71°F		
Wind Speed	11:30 AM	windy	6.4 mph	Beaufort #3
Cloud Cover	Overcast >90%	Altostratus and Stratocumulus		
Weather today	Cloudy, Mild temperature, chance of showers			
Weather recently	cool			
<i>Water depth</i>	5 meters deep			
<i>Water Temperature</i>	11:30 AM	18 °C 63°F		
<i>Turbidity – turbidity tube</i>	11:30 AM	83.53 cm		
<i>Chlorophyll</i>	0.3			
<i>Chemical</i>				
DO (chemmet kit)	11:30 AM	5.3 mg/L	18 °C	56% saturation
pH – Lamotte wide range pH kit	11:30 AM	7.6		
Salinity (Refractometer)	11:30 AM	25 ppt		
<i>Tides</i>	LT 6:02AM	Flooding		

<i>Currents</i>	NE	Flooding	1.8 kts	
<i>Organisms – oyster traps</i>	Mud crabs	Green crabs	Blue Crab	Oyster drills
	Oyster toad fish	Black fish		