

Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE -1
Governor's Island, Upper NY Bay/Buttermilk Channel
Jeremy Lynch & Roy Arrezzo - New York Harbor School
32 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
High Tide: 1:54 PM – LT 7:59 AM

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1:30 PM	22°C 71°F		
Wind Speed	windy	8 mph	Beaufort #1	
Cloud Cover	Clear <25%	Cirrostratus and Haze	Isolated clouds	
Weather today	Sunny mild temperatures			
Weather recently	cool			
<i>Water depth</i>	6 meters deep			

<i>Water Temperature</i>		17 °C 59°F		
<i>Turbidity – turbidity tube</i>		93 cm		
<i>Chlorophyll</i>	0.3			
<i>Chemical</i>				
DO (chemmet kit)		8 mg/L	17 °C	80% saturation
pH – Lamotte colormetric		7.5		
Salinity (Refractometer)		29 ppt		
<i>Tides</i>		HT 1:54 PM		
<i>Currents</i>	1:30 PM	SLACK	1.8 kt	
<i>Organisms – oyster traps</i>	Mud crabs	Green crabs	Oyster drills	Black fish
	Oyster toad fish			