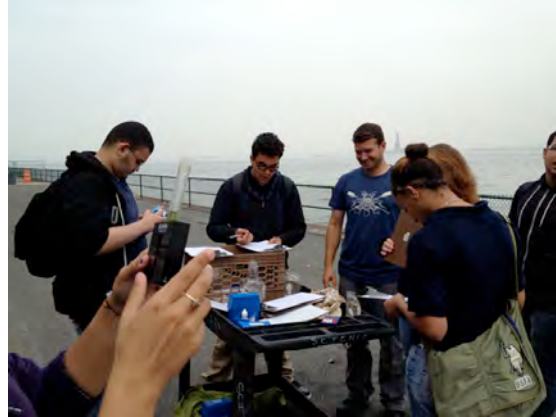


Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE -1
Governor's Island, Upper NY Bay/Buttermilk Channel
Roy Arezzo - New York Harbor School
20 AP Environmental Science students
Latitude N 40°41'30.15" - Longitude W074°46.14'



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

River Bottom –

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:29 AM	72°F 24.6°C		
Wind Speed	Beaufort 1	2.1 mph		
Cloud Cover	Cloudy	Alto Stratus		
Weather today	Humid, foggy, wild			
Weather recently				
<i>Water surface</i>				
<i>Water Temperature</i>	11:30 AM	21 °C 69 °F		
<i>Turbidity – turbidity tube</i>	11:30 AM	63 cm		
<i>Chlorophyll</i>	0.5			
<i>Chemical</i>				
DO	11:30 AM	27 °C	6 mg/L	70% saturation

(chemmet kit)				
pH – Lamotte colormetric	11:30 AM	7		
Salinity (Hydrometer)	11:30 AM	23 ppt		
<i>Tides</i>	High Tide	11:30 AM	Low Tide	6:06 AM
<i>Currents</i>	11:30AM.	1-2 kts	North	Flood