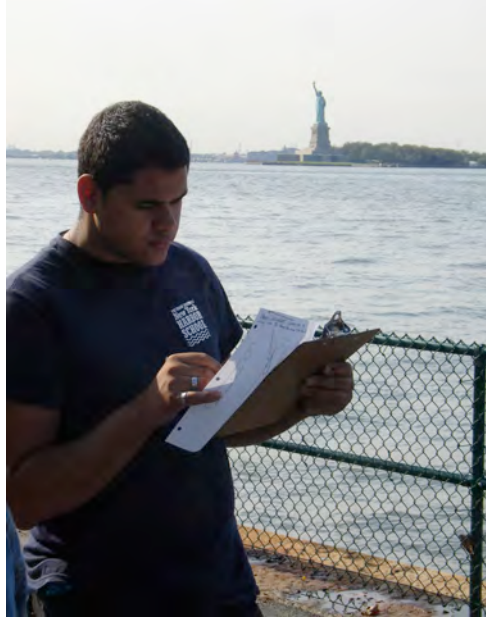


**Snapshot Day 10/18/11 Data  
(Salt Front RM 35.7)  
RIVER MILE -1  
Governor's Island, Upper NY Bay/Buttermilk Channel  
Roy Arezzo & Ann Fraioli - New York Harbor School**



**20 AP Environmental Science students  
Latitude N 40° 6881' - Longitude W074° 0192'**



**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	2:00 PM	66°F 19.2°C		

Wind Speed	Beaufort 1	2.1 mph		
Cloud Cover	Scattered 25-49%			
Weather today	Warm, sunny, breezy			
Weather recently				
<b>Water surface</b>				
<b>Water Temperature</b>	2:00 PM	19 °C 68 °F		
<b>Turbidity – turbidity tube</b>	2:00 PM	70 cm		
<b>Chlorophyll</b>	0.5			
<b>Chemical</b>				
DO (chemmet kit)	2:00 PM	19 °C 68 °F	6.5 mg/L	65% saturation
pH – Lamotte colormetric	2:00 PM	7.3		
Nitrate	Vacuettes	0 ppm		
Ammonia	Chemetrics	Lower than lowest range of detection		
Salinity (Hydrometer)	2:00 PM	16 ppt		
<b>Tides</b>	High Tide	12:29 PM	Low Tide	7:42 PM
<b>Currents</b>	2:00 PM.	1 kts	North	Flood