

Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~RM 65)
RIVER MILE -1
Governor's Island, Upper NY Bay/Buttermilk Channel
Roy Arrezzo - New York Harbor School
Aquaculture 40 students 10th & 11th and 3 adults



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



Location: Pier 101, NE side 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: 2:28 PM **Low Tide:** 8:23 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	10:00 AM	windy	20 mph gusts	Beaufort

Cloud Cover	Scattered clouds 25-50% cover	Stratocumulus		
Weather today	Some drizzle early in the day, partly cloudy and mild			
Weather recently	cool			
Water depth	5 meters deep			
Water Temperature	11:30 AM	20 °C 69°F		
Turbidity – turbidity tube	11:30 AM	120 cm average		
Chlorophyll	0.3			
Chemical				
DO (chemmet kit)	11:30 AM	5.5 mg/L	20 °C	58% saturation
pH – Lamotte wide range pH kit	11:30 AM	7.6		
Salinity (Refractometer)	11:30 AM 2:00 PM	25 ppt 27 ppt		
Tides	Flooding during full sampling			
Currents	10:00 AM	Recorded as Ebb	1.2 kts	