

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 30.5**  
**Kingsland Point Park**  
**Blake Burgess, Pocantico Hills School –**  
**32 students 6<sup>th</sup> graders, 4 adults**  
**41.09N and 73.86W**

**Location:** Kingsland Point Park, Sleepy Hollow, Westchester

**Area:** Waterfront beach area on front of park

**Surrounding Land Use:** Park and open fields surrounded by trees 85% , Beach 15%

**Sampling Site:** Beach, shoreline riprap (rocks)

**Plants in area:** no

**Water depth:** 10-30 cm

**River Bottom –** sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
<b>Air Temperature</b>	10:00 AM	21°C 70 °F	10:30 AM	23°C 73 °F
<b>Wind Speed</b>	<b>Beaufort #</b>	<b>Knots</b>	<b>Direction</b>	
	Force #1			
Cloud Cover	overcast			
Weather today	Small amount of rain - <0.1 cm			
Weather recently	Quite rainy off and on throughout days and nights. At time thunder showers.			
<i>Water</i>	calm			
<i>Water Temperature</i>	10:00 AM	68°F 20°C		
	10:40 AM	67°F 19°C		
	10:45 AM	68°F 20°C		
<i>Turbidity - secchi</i>				
<i>Seining</i>	15 ft. net			
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO - drop count				
pH – litmus paper	10:32 AM	7 7 7		7
<i>Salinity – silver nitrate tablets</i>	10:00- 11:00AM	60 ppm Chloride 60 ppm Chloride	108 ppm total salinity	

		60 ppm Chloride	
<i>Nitrates</i>			
<i>Phosphates</i>			
<i>Tides*</i>	<i>Time</i>	<i>Tide Stick – measure distance on beach to tide stick?</i>	*Low Tide in this location was 7:50 AM
	10:00 AM	17 cm	
	10:10 AM	15 cm	Rising
	10:30 AM	14 cm	Rising
	10:46 AM	11 cm	Rising
	10:55 AM	9 cm	Rising
<i>Currents</i>	10:00 AM	*small cove area – measure may differ from main channel which would have been flooding	Ebb
	10:14 AM		Ebb
	10:30 AM		Ebb
	10:48 AM		Ebb
<i>Fish Catch</i>	<b>Totals</b>	<b>Species</b>	<b>Size of Largest</b>
<i>TOTALS</i>			
<i>Traffic</i>			
<i>Journal</i>			