

**Snapshot Day 10/7/08Data  
(Salt Front RM 63.4)  
RIVER MILE 30**

**Kingsland Point Park**

**Chris Adamo & Leana Pelter, Sleepy Hollow High School – 11<sup>th</sup>/12<sup>th</sup> graders 58 students**

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

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

**Surrounding Land Use:** Forested 75% , Beach 25%

**Sampling Site:** Beach, stone bulkhead, drain pipes in the wall

**Plants in area:** no

**Water depth:** 18 cm

**River Bottom** – sandy/muddy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
<b>Air Temperature</b>	10:07 AM	11°C 51.8 °F		
	10:51 AM	54.7 °F		
<b>Wind Speed</b>	<b>Beaufort #</b>	<b>Knots</b>	<b>Direction</b>	
	Force #1	1-3	NW	
Cloud Cover	clear			
Weather today	dry			
Weather recently	Warm 2 days prior, rain day before, cool AMs			
<b>Water Temperature</b>	9:30 AM	18°C 64.4° F	16°C 60.8° F	17°C 62.8° F
	10:00 AM	16°C 60.8° F	16°C 60.8° F	16°C 60.8° F
	10:15 AM	16°C 60.8° F	17°C 62.6° F	16.5°C 61.7° F
<b>Turbidity - secchi</b>	65 cm 65 65	75 cm 75 75		70 cm
<b>Sediment Core</b>	10.2 cm 1 layer	Dark color with mixed grain size		
<b>Chlorophyll</b>	10:20AM	0.3		
<i>Chemical</i>				
DO - drop count	9:33AM	9.9 mg/L	16°C	98%
pH - meter	9:37 AM	7.9 8.04 8.14		8.02 avg
Phosphate	10:15	0.mg/L		

	AM			
Nitrate	10:15AM	0.0 ppm		
Alkalinity	10:15AM	40 ppm		
<b>Salinity - refractometer</b>	9:39 AM	5 ppt 5 ppt 5 ppt		5 ppt avg
<b>Tides</b>	<b>Time</b>	<b>Tide Stick</b>		
	9:30AM	21 cm		
	9:45 AM	17.5 cm	falling	
	10:00AM	13.5 cm	falling	
	10:15AM	17.0 cm	rising	
	10:30PM	17.5 cm	rising	
	10:45PM	18 cm	rising	
	11:00PM	21 cm	rising	
<b>Currents</b>	9:30AM	6.6 cm/sec	South	0.13 knots Ebb
		5 cm/sec	South	0.1 knots Ebb
		5.9 cm/sec	South	0.11 knots Ebb
<b>Northside of pier</b>	6	Atlantic Silverside		
	4	Pipe Fish		
	3	Blue Crab		
	2	Shore Shrimp		
<b>Traffic</b>	9:35 AM	Fishing Boat	South	Full
	10:03 AM	Commercial Sailboat	South	Empty
	10:45 AM	Fishing	South	Empty
<b>Journal</b>	<p>Upon arrival at the beach we were in complete shade. This made for a very cold day at the beach. During low tide the beach is exposed for approximately 12-20 ft. We did not catch much in our area because the beach is located in a cove like inlet area. During high tide the entire beach area is covered in water. Although the day was cold we had a great time and we look forward to next year.</p>			