

Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 30.5
Kingsland Point Park
Chris Adamo & Leana Pelter, Sleepy Hollow High School –
11th/12th graders - 85 students
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 50% , Beach 50%

Sampling Site: Beach, stone bulkhead

Plants in area: no

Water depth: 0-2 meters

River Bottom – sandy/muddy small rocks

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:47 AM	17°C 65 °F		
Wind Speed	Beaufort #	Knots	Direction	
	Force #1			
Cloud Cover	Partly cloudy			
Weather today	Sprinkle of rain upon arrival then turned sunny			
Weather recently	Warm 2 days prior, rain day before, cool AMs			
<i>Water</i>	calm			
<i>Water Temperature</i>	9:48 AM	19.8°C 23°C 20°C		21°C
	10:18 AM	20°C 23°C 22°C		21.7°C
	10:50 AM	21°C 22°C 18°C		20.3°C
<i>Turbidity - secchi</i>				
<i>Seining</i>	15 ft. net			
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO - drop count	10:14 AM	10 mg/L	18°C	103%
pH – test kit	9:47 AM	7 7 8		7.3
<i>Salinity -</i>	10:25 AM	10 ppt	9 ppt avg*	

<i>refractometer</i>		8 ppt 9 ppt	There must have been a error with this as the water was nearly fresh in this part of the river
<i>Nitrates</i>	9:50 AM	5 ppm	
<i>Phosphates</i>	9:00 AM	1 ppm 1 ppm	1 ppm avg.
<i>Tides</i>	<i>Time</i>	<i>Tide Stick</i>	
	9:56 AM	32 cm	
	10:24 AM	37 cm	Rising
	10:52 AM	50 cm	Rising
	11:24 AM	53 cm	Rising
<i>Currents</i>			
<i>Fish Catch</i>	Totals	Species	Size of Largest
	4	Bay Anchovy	8 cm
	69	Herring	10 cm (recorded as shiners)
	11	Atlantic Silversides	10 cm (recorded as see through/transparent fish)
	2	Unknown fat round	10 cm (possibly gizzard shad but not coded this way)
TOTALS	86 fish	4 species	
<i>Traffic</i>			
<i>Journal</i>			