

Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 30.5
Kingsland Point Park
Chris Adamo & Leana Peltier, Sleepy Hollow High School
100 students 11th & 12th graders, 3 adults
41°09N and 73°86W



Location: Kingsland Point Park, Sleepy Hollow, Westchester
Area: Waterfront beach area on front of park
Surrounding Land Use: Parkland with open fields surrounded by trees 75%, Beach 25%
Sampling Site: Beach, shoreline riprap (rocks), concrete bulkhead
Plants in water: no
Plants in area: plants and poison ivy
Water depth: 1-3 meters
River Bottom – sandy, muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	14°C 16 15	51.2 °F 60.8 59	Average: 15°C 57 °F
	10:30 AM	18°C 20 19	64.4 °F 68 66.2	Average: 18.6 66.2
	11:00 AM	18°C 20 19	64.4 °F 68 66.2	Average: 18.6 66.2
Wind Speed	Beaufort #	Mph	Direction	
		1.8	West	
Cloud Cover	Mostly cloudy			
Weather today	Rain off and on			

Weather recently				
<i>Water surface</i>	choppy			
<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>	10:23 AM	20 cm 20 cm		
<i>Seining – 20 ft. X 4 ft. X 20 ft. pull</i>	Total	Species	Length	
<i>Total Fish 16</i>	1	Winter Flounder	3 inches	
<i>Total Fish Diversity 5</i>	7	Striped Bass	4 inches	
	5	Atlantic Silversides	4 inches	
	1	Killifish	3 inches	
	2	Unknown	3 inches	
<i>Macroinvertebrate</i>	1	Blue crab	juvenile	
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO - Other –green kit	10:30 AM	17°C 16°C	2 ppm	
pH – litmus paper	11:03 AM	6 7 7		6.7
<i>Salinity – refractometer</i>	10:30 AM	10 ppt T.S.		
<i>Nitrates – green kit</i>	11:31 AM	5 ppm 5 ppm 5 ppm		
<i>Phosphates</i>	10:16 AM	1.5 ppm 1.5 ppm 1.0 ppm	1.33 ppm Average	
<i>Tides*</i>	<i>Time</i>	<i>Tide Stick</i>		
	10:04AM	14 cm		
	10:30AM	20 cm	Rising	
	10:45AM	21 cm	Rising	
<i>Currents</i>				
<i>Traffic</i>				