

**Snapshot Day 10/14/10 Data**  
**(Salt Front RM 36)**  
**RIVER MILE 32**  
**Lewis & Engel Park**

**Bridget Baumann & Artie Carlucci, Ossining HS Environmental Club**  
**9<sup>th</sup>-12<sup>th</sup> grade – 40 students**  
**41°09.288'N - 73°52.159'W**

**Location:** Lewis J. Engell Park, Ossining, NY

**Area:** Beachfront area - paved sidewalk, rock wall lining the river, grass

**Surrounding Land Use:** 20% beach; 15% industrial/commercial; 15% Urban/Residential, 40% forested; 10% Other

**Sampling Site:** bulkhead lines the shoreline – rock wall, beach, riprap, rocky, weedy, used for picnics and boats

**Plants in area:** 10% -15% of the area. Of that percent =Water celery 98% , Water Milfoil 5%, Water Chestnut 1%

**Water depth:** 2-3 feet deep

**River Bottom** –sandy, rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	62°F 16.6°C	10:53 AM	55°F 12.8°C
	11:00 AM	64 °F 17.8°C		
	11:30 AM	65 °F 18.3°C		
	12:00 PM	67 °F 19.4°C	66°F 19°C	
Wind Speed	Beaufort #1	West		
Cloud Cover	Sunny, clear			
Weather today	Sunny, pleasantly chilly -			
Weather last 3 days	cool and rain recently			
Water	Choppy periodically but otherwise calm			
<i>Water Temperature</i>	11:34 AM	69.8° F 21 °C		
	11:55 AM	68.36° F 20.2 ° C		
	12:10 PM	68.54° F 20.3 ° C		
<i>Turbidity</i>	11:10 AM	10 JTU 10 JTU 20 JTU		13 JTU avg.

<b><i>Chemical</i></b>				
DO ( drop count)	11:34 AM	9.0 mg/L	21 ° C	100%
	11:55 AM	9.0 mg/L	20.2 ° C	99%
	12:10 PM	8 mg/L	20.3 ° C	90%
pH (indicator sol.)	10:30 AM	7 7 7		7
	11:00 AM	7 7 7		7
	11:30 AM	7 8 7.5		7.5
	12:00 PM	7.5 7.5 8		7.75
Salinity	Not read			
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>		
	117	Blueback Herring	2 inches	
	12	Silverside	2 inches	
	5	American Shad		
	1	Striped Bass		
	5	Crab		
	1	Clam		
<b><i>Tides</i></b>	10:50 AM	0 cm		
	11:45 PM	35 cm	Rising	
	12:15 PM	40 cm	Rising	
	12:45 PM	50 cm	Rising	
<b><i>Currents</i></b>	11:01 AM		Flood	
	11:15 AM		Flood	
	11:30 AM		Flood	
	11:45 AM		Flood	
<b><i>Shipping</i></b>				
<b><i>Core Description</i></b>	<b><i>Length</i></b>	<b><i>Abundant</i></b>	<b><i>Common</i></b>	<b><i>Rare</i></b>
10:35 AM	10 cm	Clay	Sand	Mud
Water depth 20 cm			Pebbles	Gravel
				Shells
				Brick
mud on top – pebble 2 cm down –gravel 4 cm down---pebbles 6 cm –piece of glass 8 cm				

<b><i>Journal</i></b>	Weather is sunny with scattered clouds, temp. brisk but pleasant. Water is calm and chilly, great for taking the various samples and tests. Canadian geese either swimming near the dock or finding food in the grass forming clusters of 8 or 9 in one place. The fish collected are small and numerous. Several boats are docked a good 400-500 ft. away from the sampling site. It became progressively cloudier. The water became significantly calmer. The seagulls are lively and numerous.
<b><i>Observations</i></b>	Large sample of small fish, riffraff, scattered pieces of driftwood everywhere.