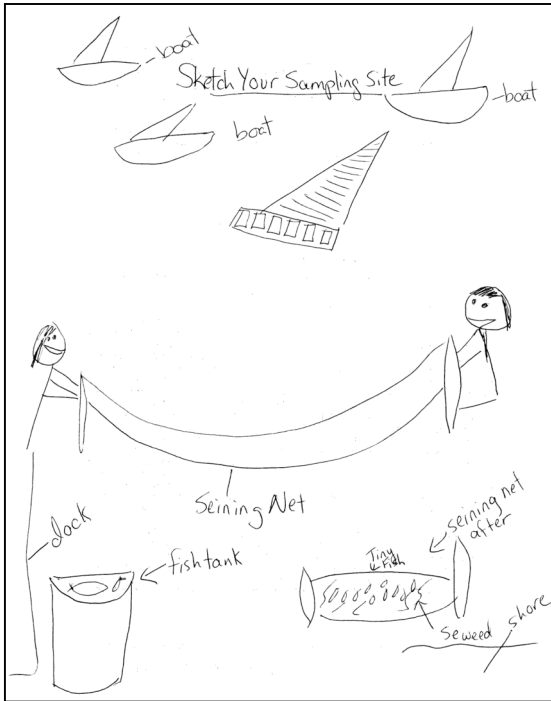


**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 25E
Village of Irvington**

Deborah Ottaviano and Cristina Sclafani and Irvington's 5th grade Main Street School (155 students)

**Ben Kwiatkowski and Irvington High School Science Club (15 students)
N 41°, W 73°**



Location: Matthiessen Park, Village of Irvington, Westchester County

Area: Beach in the park, covered with vegetation, mostly grassy, picnic area

Surrounding Land Use: Forested 80%, Beach 20%

Sampling Site: Beach, covered with vegetation, banks altered, riprap on shore, collected wood & debris in area

Plants in area: Trees, many grasses, some bushes, no flowering plants

Water depth:

River Bottom – rocky bottom, water choppy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:53 AM	15°C 58°F		
Wind Speed	Beaufort# 5	South	19-24 km/hr	
Cloud Cover	Clear	No rain		
Weather today	Clear and cool and windy			
Weather recently	Yesterday had super strong winds but was sunny, Tuesday was beautiful			
<i>Water Temperature</i>	10:35	68°F		
<i>Turbidity</i>	10:09AM	40 cm		<i>Long site tube</i>
<i>Chlorophyll</i>				
<i>Chemical</i>				

DO (estuary kit)	10:09AM	11 PPM		
	11:00 AM	11 PPM		
	11:40 AM	8 PPM		
pH	10:24 AM	6.5		
Phosphate	10:09 AM	< 1ppm		
	11:00 AM	< 1ppm		
	11:40 AM	< 1ppm		
Nitrate	10:09 AM	< 5 ppm	Nitrite	< 0.2 ppm
	11:00 AM	< 5 ppm		< 0.2 ppm
	11:40 AM	< 5 ppm		< 0.2 ppm
Ammonia	10:09 AM	0 ppm		
	11:00 AM	0 ppm		
	11:40 AM	0 ppm		
Salinity	10:21 AM	5 ppt		
	11:00 AM	8 ppt		
	11:40 AM	5 ppt		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size (in mm)</i>	<i>TOTAL CATCH</i>
15ft. long seine/4 ft wide	9	Atlantic Silversides	65, 73, 79, 79, 83, 83, 96, 102, 104,	14 Fish
	1	Mummichog	49 mm	
	3	Striped Bass	57 mm 100 mm 115 mm	
	1	Pipefish	~ 70 mm	
<i>Tides</i>	9:45AM	10 cm		
	10:15 AM	17 cm	Rising	
<i>Currents</i>	9:45 AM	Flood	There was a strong wind	
<i>Traffic</i>	Fishing boat	gray	full	
<i>Other</i>	Many, many geese			