

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 25E**

Mattiessen Park, Village of Irvington

Susan Wallace and Irvington's 5th grade teachers, Main Street School (150 students)

Rachel Lowenthal, DEC Fisheries Outreach Specialist

N 41°, W 73°

Location: Mattiessen 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

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	9:48 AM			
Air Temperature	69.1 °F	20.6°C		
Wind Speed	Beaufort #1-2	8-12 km/hr	NE	
Cloud Cover	Partial cover			
Weather today	Fall like – small rain in AM but day cleared by time we arrived			
Weather recently	Last 3 days cool and small amount of rain			
<i>Water Temperature</i>	10:58 AM	65°F 19°C		
<i>Turbidity</i>	10:42 AM	40 JTUs		
<i>Chlorophyll</i>	11:07 AM	0.7		
<i>Chemical</i>				
DO (estuary kit)	10:58 AM	4 ppm		
pH	10:52 AM	6.0		
Salinity	10:56 AM	*reported 35 ppt		*error in recording
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size (in mm)</i>	<i>TOTAL CATCH</i>
Data from Rachel	8	Blueback Herring		
	6	Atlantic Silversides		
	1	Blue crab	Immature female	
<i>Tides</i>	10:02 AM	16 cm		<i>Rate of Change</i>
	11:35 AM	76 cm	Flood tide	60 cm/93 min