

Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 25E
Village of Irvington
Philip Levine & Joan Snell for 5th grade Main Street School
Ben Kwiatkowski for Irvington High School Science Club

Location: Matthiessen Park, Village of Irvington, Westchester County

Area: Beach in the park, covered with vegetation

Surrounding Land Use: Forested 20%, Beach 5%, Industrial Commercial 25%, Open and Grassy 50%

Sampling Site: Open and Grassy, Used by people for picnics, fishing and boat launch. Shoreline has RipRap and some wood debris in area

ALL SAMPLES DONE AT THE BEACH AREA IN MATTIESSEN PARK. BEACH FACES WEST

Plants in area: less than 25% of entire site has plants in the water

Water depth: 2 to 3 feet

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	9:48 AM	18°C 67 °F		
	11:05 AM	20°C 70 °F		
Wind Speed	4-6 knots	SW		
Cloud Cover	overcast			
Weather today	Overcast became cloudy			
Weather recently	Rain last night and yesterday			
<i>Water Temperature</i>	9:50	70° F 20°C		
<i>Turbidity</i>				
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	10:35	11.0 mg/L	18°C	110%
pH	10:00	8.0		Color match kit
Phosphate				
Nitrate	10:25 AM	5 ppm		
Alkalinity				
Salinity	10:05	2.5 ppt		hydrometer
<i>Fish Catch</i>	<i>Number</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>

	<i>Caught</i>			
20 ft. long seine pulled 20 ft.	1	Alewife		
3 seines	1	Spottail Shiner		
	15	Striped Bass		
	6	White Perch		
	10	Atlantic Silversides		
	15	Blue Crab		
	5	Bluefish		
	1	mullet		
	1	pipefish		
<i>Tides</i>	9:40 AM	0 cm		
	10:02 AM	7 cm	Rising	
	10:20 AM	15 cm	Rising	
	10:39 Am	25 cm	Rising	
	10:53 AM	37 cm	Rising	
	11:20 AM	47 cm	rising	
<i>Currents</i>	Flood tide close to shoreline – hard to get to main channel			
<i>Traffic</i>	9:45 AM	Barge	Southbound	Loaded
	10:17 AM	Barge	Northbound	Loadedπ
<i>Other Items</i>				