

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 25E
Village of Irvington
Philip Levine 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: Scenic Hudson Park, Village of Irvington, Westchester County

Area: Beach in the park, covered with vegetation

Surrounding Land Use: Forested 5%, Beach 10%, Industrial Commercial 15%, Open and Grassy 70% (groomed park with ballfields)

Sampling Site: Open and Grassy, Used by people for picnics, ballfields, groomed park. Beach, banks altered, riprap on shore, collected wood & debris in area

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

Water depth: 2 to 4 feet

River Bottom – rocky bottom, water calm

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	10:15 AM	20°C		
	12:00 noon	25°C		
Wind Speed	2 knots	North		
Cloud Cover				
Weather today	partly cloudy in AM to sunny later			
Weather recently	A little rain, light wind, temperature in 60s (F)			
Water Temperature	9:30	20°C		AVERAGE
	10:50 AM	26°C 22°C		24°C
	11:30 AM	28°C 24°C 22°C		23°C
	12:30 PM	22°C 28°C 24°C		24.5°C
Turbidity	11:00 AM	59.9 cm		Long site tube
	9:45 AM	40 JTU	40 JTU	Short site tubes
Chlorophyll	10:30 AM	0.6		
Chemical				
DO (drop kit)	10:30	4 ppm	24°C	33% saturated

pH	9:45 AM	7.0 8.5 8.0		Average 7.8
Phosphate				
Nitrate	11:00 AM	> 50 mg/l		
Alkalinity				
Salinity	10:45 AM	35ppt 35 ppt 35 ppt		Drop count test kit/test strips
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
15ft. long seine/4 ft wide	2	Atlantic Menhaden		
5 seines	1	Blue Crab		
	2	Striped Bass		
	27	Atlantic Silversides		
	Many	Comb jellies		
<i>Tides</i>	8:30 AM	26 cm		Tide stick #1
	9:30 AM	29 cm	Rising	
	10:15 AM	45 cm	Rising	
	10:45 AM	60 cm	Rising	
	11:35 AM	76 cm	Rising	
	12:00 noon	20 cm	rising	Reset stick #2
	12:30 PM	41 cm	rising	
	1:25 PM	58 cm	rising	
<i>Currents</i>	Flood tide close to shoreline – hard to get to main channel			
<i>Traffic</i>	9:21 AM	Tugboat	Northbound	Light
	11:21 AM	Barge/pushed by white tug	Southbound	
	11:25 AM	Barge /pushed by black tug	Southbound	
	11:30 AM	Barge – black & red	Southbound	