

Snapshot Day 10/7/08 Data

(Salt Front RM 63.4)

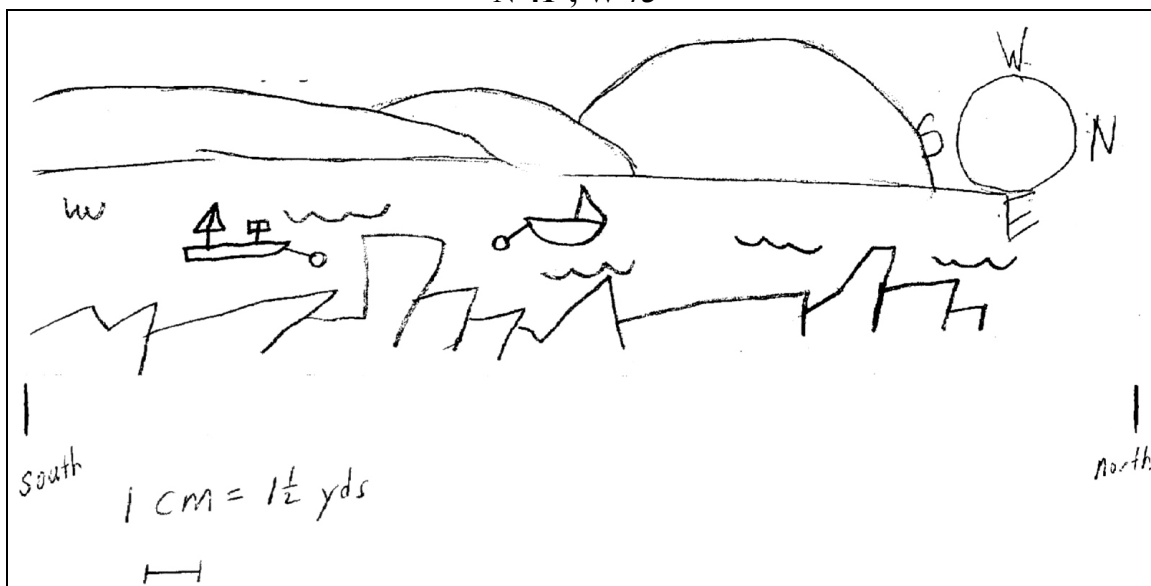
RIVER MILE 25E

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: Matthiessen Park, Village of Irvington, Westchester County

Area: Beach in the park, covered with vegetation

Surrounding Land Use: Urban/Residential 20=25%; Forested 25%, Beach 10%, Industrial Commercial 15-20%, Open and Grassy 15-20% (groomed park with ballfields)

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

Plants in area:

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	9:45 AM	16°C 61°F		
	10:15 AM	15°C 60°F		
Wind Speed	Beaufort# 2	SE		
Cloud Cover	Clear			
Weather today	Clear and cool			
Weather recently	Windy, cloudy A little rain (drizzly), Cold			

Water Temperature	9:30	16°C		
	11:00 AM	15°C		
	12:30 AM	15°C		
	1:30 PM	17°C		
Turbidity		40 cm 75 cm 10 cm		<i>Long site tube</i> 42 cm avg.
		42 JTU		<i>Short site tube</i>
Chlorophyll	10:30 AM	0.6		
Chemical				
DO (estuary kit)	10:30	4 ppm 5 ppm	15°C	35% saturated
pH	11:00 AM	7.0 8.0 7.5		Average 7.5
Phosphate				
Nitrate	11:00 AM	> 50 mg/l		
Alkalinity				
Salinity *This seems really high	11:30 AM	14 ppt 16 ppt 17 ppt		*15.5 ppt estuary test kit
Fish Catch	Number Caught	Species	CPUE	Seine
15ft. long seine/4 ft wide	1	Blenny		
5-10 seines	1	Flounder		
	4-7	Striped Bass		
	20-30	Atlantic Silversides		
Tides	8:00 AM	11 cm		
	9:30 AM	0 cm	Falling	
	10:30 AM	0 cm	Falling	
	11:00 AM	0 cm	Ebb	
	11:30 AM	-	Rising	
	12:15 PM	13cm	Rising	
Currents	Cm/60 sec	Ebb/Flood/Still		
	41	Ebb		
	46	Ebb		
	60	Ebb		
Traffic	10:30 AM	Barge	Northbound	Loaded