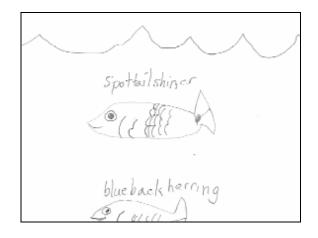
Snapshot Day 10/14/10 Data (Salt Front RM 36) RIVER MILE 78 Quiet Cove, Poughkeepsie Skip Hoover, Cornell Cooperative Extension, Duchess County Robert Adams & Scott Jameson, DEC Fisheries Dept. G. W. Krieger Elementary School 4<sup>th</sup> & 5<sup>th</sup> students & 50 students total 9-11<sup>th</sup> grade helpers (8) 41.44°N and 73.56°W



Location: Quiet Cove, Poughkeepsie, Dutchess County

Area: Grassy area with parking lot, beach like waterfront

**Surrounding Land Use:** Picnics, boating – 60% is beach with rip rap banks, 40% previous industrial site

**Sampling Site:** An old industrial area that has been turned into a park. Used by people for picnics, fishing. Shoreline rocky, banks altered with rip rap and wooden bulkhead, boat launch for kayaks and canoes

Plants in area: yes – 5% or area is *water celery* 

Debris in area: remnants of industrial site and some papers in the water

Water depth: 160 cm in the area with concrete embankments

**River Bottom** – muddy in beach area

ITEM	Time	Reading 1	Reading 2	Comments	
Physical					
Air	9:44 AM	10°C			
Temperature		40 °F			
Wind Speed	9:44 AM	<1 mph	calm	North	
Cloud Cover	Whispy cloue	ds, long thin			
	and very high				
Weather today	No rain				
Weather	1. Monday was cool and raining				

recently	<ol> <li>Tuesday was cool, windy but sunny</li> <li>Wednesday was cool, windy and sunny</li> </ol>				
Water	VERY				
Description	choppy				
Water	9:36AM	14°C			
Temperature	<i>y</i> <b> u u u u</b>				
Turbidity	9:35 AM	28.9 cm	30.2 cm	Long site tube	
1	<i>y</i>	30.0 cm	average	Long bite tabe	
		31.6 cm	uveruge		
Chlorophyll	11:30 AM	0.4			
Chemical	11.501101	0.1			
DO (LaMotte	9:36 AM	8.0 ppm	14°C	78% saturated	
elementary kit	<i>7.50 1</i> <b>H</b>	0.0 ppm	110	7070 Saturated	
tablets)					
pH	9:40 AM	8			
(LaMotte color	2.10 / 1111				
match kit)					
Nitrates	9:40 AM	<5 ppm			
Using LaMotte	<i>yyy</i>	• pp			
Elementary test					
kits					
Phosphates	9:50 AM	<5 ppm			
Salinity	9:40 AM	<1ppm			
Fish Catch- 25	Number	Species	Length of	Seine	
ft.	Caught	Species	largest	Seine	
11.	4	Spottail	11 cm	10:30 AM	
	•	Shiners			
	19	Blueback	6.5 cm		
	17	Herring	0.0 011		
	3	American	9.6 cm	TOTAL - 26 fish	
	C .	Shad	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Diversity - 3	
Tides	10:05 AM	110 cm			
Currents	10:05 AM	20 meters/95	21.05cm/sec	South/Ebb	
		secs.			
Traffic	9:20 AM	Barge NYC	Red, gray,	Northbound/Empty	
- <b>J</b> J * -		120	brown		
Sediment Core	The mud	It smells like	We also found	It felt cool in my	
	is dark	Earth.	a small rock	hand.	
	gray. The		and a leaf in		
		1			
			the mud.		
	top is nice and soft.		the mud.		
	top is nice		the mud.		
	top is nice and soft.		the mud.		

Other Items	River is smooth, lots of tree colors, I see the bridge, smell fish, see houses, see the train heading north. It is loud. I see a boat. It is sunny. I see the mountains. Birds.
Almanac Entry	Putting on the waders and getting into the river was so fun. It felt like the water was squishing my legs. It was cold in the water. It felt like I was getting wet but I was dry.