

**Snapshot Day 10/14/10 Data  
(Salt Front RM 36)  
RIVER MILE 78**

**Quiet Cove, Poughkeepsie**

**Skip Hoover, Cornell Cooperative Extension, Dutchess 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

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

recently	2. Tuesday was cool, windy but sunny 3. Wednesday was cool, windy and sunny			
<b>Water Description</b>	VERY choppy			
<b>Water Temperature</b>	9:36AM	14°C		
<b>Turbidity</b>	9:35 AM	28.9 cm 30.0 cm 31.6 cm	30.2 cm average	Long site tube
<b>Chlorophyll</b>	11:30 AM	0.4		
<b>Chemical</b>				
DO (LaMotte elementary kit tablets)	9:36 AM	8.0 ppm	14°C	78% saturated
pH (LaMotte color match kit)	9:40 AM	8		
Nitrates Using LaMotte Elementary test kits	9:40 AM	<5 ppm		
Phosphates	9:50 AM	<5 ppm		
Salinity	9:40 AM	<1ppm		
<b>Fish Catch- 25 ft.</b>	<b>Number Caught</b>	<b>Species</b>	<b>Length of largest</b>	<b>Seine</b>
	4	Spottail Shiners	11 cm	<b>10:30 AM</b>
	19	Blueback Herring	6.5 cm	
	3	American Shad	9.6 cm	<b>TOTAL - 26 fish Diversity - 3</b>
<b>Tides</b>	10:05 AM	110 cm		
<b>Currents</b>	10:05 AM	20 meters/95 secs.	21.05cm/sec	South/Ebb
<b>Traffic</b>	9:20 AM	Barge NYC 120	Red, gray, brown	Northbound/Empty
<b>Sediment Core</b>	The mud is dark gray. The top is nice and soft. The bottom is hard.	It smells like Earth.	We also found a small rock and a leaf in the mud.	It felt cool in my hand.

<i><b>Other Items</b></i>	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.
<i><b>Almanac Entry</b></i>	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.