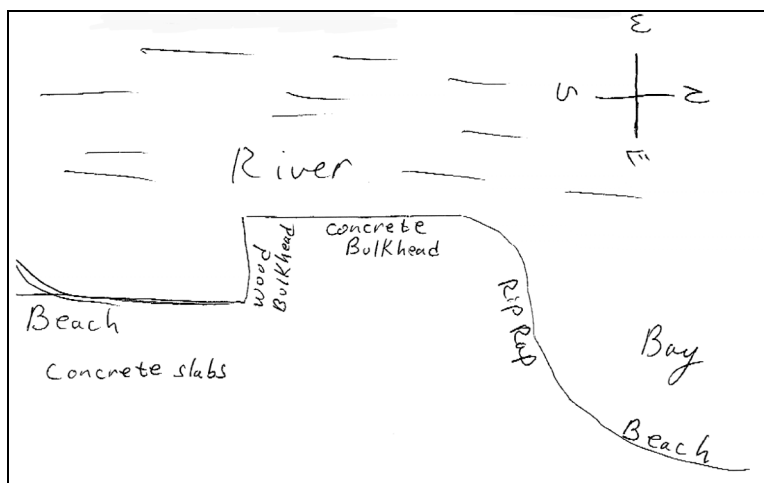


**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 78**

Quiet Cove, Poughkeepsie

**Skip Hoover, Cornell Cooperative Extension, Dutchess County
Robert Adams & Scott Jameson, DEC Fisheries Dept.
G. W. Krieger Elementary School 4th & 5th students &
Tracy Zeoli, Gayhead School – 76 students total
9-11th 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	10:06 AM	15°C		
	12:40 PM	20°C		
Wind Speed	10:39 AM	Beaufort #17-20		North
Cloud Cover	Partly cloudy			

Weather today	No rain			
Weather recently	Monday sunny, Tuesday rainy, Wednesday very windy but sunny			
Water Description	VERY choppy			
Water Temperature	9:45 AM	15.5°C 60°F		
	10:27 AM	12.77°C 55°F		
	11:10 AM	15°C 59°F		
	12:50 PM	16.1°C 61°F		
Turbidity	11:00 AM	37 cm 37 cm 27 cm 25 c	31.5 cm average	Long site tube
Chlorophyll	11:30 AM	0.4		
Chemical				
DO (LaMotte elementary kit tablets)	Very poor readings with kit	<3.0 ppm	15°C	
pH (LaMotte color match kit)	11:11 AM	8 7.5 8		7.8 average
Nitrates Using LaMotte Elementary test kits	11:11 Am	<5 ppm		
Phosphates	11:11 AM	<1 ppm		
Salinity	Not tested			
Fish Catch- 25 ft.	Number Caught	Species	Macroinvert	Seine
3 seines total	10	Spottail Shiners	1 Crayfish	9:45 AM
	6	Banded killifish		
	1	Pumpkinseed		
	1	Male Bluecrab		TOTAL 18 fish 1 macro
	2	Spottail Shiners		12:30 PM
	2	Banded killifish		

	6	Pumpkinseed		
	2	Male Bluecrab		
	2	Bay Anchovies		TOTAL 14
<i>Tides</i>	9:47 AM	120 cm		
	10:14 AM	122 cm	Falling	*measuring down to water level
	10:27 AM	1100 cm	Rising	
	10:55 AM	98 cm	Rising	
	11:11 AM	93 cm	Rising	
	11:34 AM	75 cm	Rising	
	12:29 PM	50 cm	Rising	
	12:55 PM	35 cm	Rising	
<i>Currents</i>	9:47 AM	South	Ebb	
	10:27 AM		Still	
	11:11 AM	North	Flood	
	12:29 PM	North	Flood	15 ft/22 secs = .68 ft/sec.
		NOTE	30 ft/32 secs	< 1 ft. per sec.
<i>Traffic</i>				
<i>Sediment Core</i>	11 inches length	Gray silky smooth much	Not much distinction in layers	Some roots present
<i>Other Items</i>				