

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 78**

Quiet Cove, Poughkeepsie

Skip Hoover, Cornell Cooperative Extension, Dutchess County

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G. W. Krieger Elementary School 4th & 5th students – 48

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 – 5% is beach

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

Plants in area: n/a

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

Water depth:

River Bottom – muddy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:39 AM	14°C		
Wind Speed	10:39 AM	Beaufort #1		North
Cloud Cover	No clouds			
Weather today	clear			
Weather recently	Sunny and cold			
<i>Water Temperature</i>	9:50 AM	17°C 17°C		
	11:50 AM	15°C 15°C		
	12:30 PM	17°C 17°C		
<i>Water Description</i>		calm		
<i>Turbidity</i>	11:50 AM	53 cm 50 cm 48 cm	50.33 cm avg.	Long site tube
<i>Chlorophyll</i>	10:45 AM	0.1		
<i>Chemical</i>				
DO (LaMotte elementary kit tablets)	9:50 AM	4.0 ppm	17°C	40% saturated

	11:50 AM	4.0 ppm	15°C	38% saturated
	12:30 PM	6 ppm	17°C	60% saturated
pH (LaMotte color match kit)	9:50 AM	7.5	8	
	10:23 AM	8	8	
	11:50 AM	8	8	
	12:30 PM	8	7.5	
Salinity	Not tested			
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Seine</i>
12:32 PM	1	Striped Bass	80 mm	
	7	Spottail Shiner	70 mm	
	13	Pumpkinseed	125 mm	
	9	Banded Killifish	56 mm	
		scuds		
<i>Tides</i>	10:24 AM	60 cm		
	10:54 AM	62 cm	Falling	*measuring down to water level
	11:50 AM	70 cm	Falling	
	12:18 PM	70 cm	Unchanged	unchanged
	12:50 PM	75 cm	Falling	
<i>Currents</i>	10:24 AM	Ebb		
	10:54 AM	Ebb		
	11:50 AM	Ebb		
	12:18 PM	Ebb		
		NOTE	30 ft/32 secs	< 1 ft. per sec.
<i>Traffic</i>	12:50 PM	American Star	White	Passenger Boat empty Northbound
<i>Sediments</i>	27 cm length	Mixed with no top noted – Mostly fine mud with some pebbles	2 pieces of plant root in core	Dark grey color (almost black) with sulfur smell
<i>Other Items</i>	It was quite a day at the river. We saw 4 people other than our group using the park. There were a few birds and a sail boat, and one small motor boat.			