

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 78
Quiet Cove, Poughkeepsie
Skip Hoover, G. W. Krieger Elementary School (48)
9-11th grade helpers (5)
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:

Sampling Site: Appears to be 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: 90 cm

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	10:03 AM	16°C		
	12:08 AM	23°C		
Wind Speed	10:03 AM	Light air	12:08 PM	1-3 knots from South
Cloud Cover	10:03	Mostly cloudy	12:08 PM	Mostly sunny
Weather today	clear			
Weather recently	Very mild weather, mostly clear skies, soft breeze, in low 70's			
<i>Water Temperature</i>	10:25	21°C 21°C 21°C	Depth 90 cm	
<i>Water Description</i>		calm		
<i>Turbidity</i>	10:25 Am	32.6 cm 43 cm 56 cm	43.8 cm avg.	Long site tube
<i>Chlorophyll</i>	10:30 AM	0.5		
<i>Chemical</i>				
DO (LaMotte kit)	10:25 AM	4.0 ppm	21°C	49% saturated

Tested in direct sun, still water – repeatedly got low readings – group questioned validity of kit)				
pH (LaMotte color match kit)	10:25 AM	5 5 5		
Phosphate				
Nitrate				
Alkalinity				
Salinity	Not tested			
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Seine</i>
10:30 AM	1	Hogchoker	4.5 cm	
	17-20	Spottail Shiner	8 cm	
	1	Pumpkinseed	14.5 cm	
	1	White Perch	8 cm	
	1	Golden Shiner	22 cm	
	1	Banded Killifish	8 cm	
	3	Americian Eel	17 cm	
<i>Tides</i>	9:52 AM	57 cm		
	10:50 AM	70 cm	Rising	
<i>Currents</i>	9:52 Am ebb current			
<i>Traffic</i>	9:52 AM	Barge (can't read name)/ # RIC55 w/ tugboat	Northbound	Light
<i>Sediments</i>	7 cm length	Top 1 cm Bottom 6 cm	Fine grain	Grey color with sulfur smell
<i>Other Items</i>	Watched an osprey repeatedly diving for fish in the			

	bay area just north of the park. On the fourth dive it carried away what appeared to be a fish.			