

Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 102
Saugerties Light House, Town of Saugerties, Ulster Co.
Betsy Blair, NYSDEC HREP
Peter Seekamp & David Lewis, Woodstock Day School
grades 5th, 6th, 8th, 9th, 10th, 11th, – 48 students

Location: Saugerties Light house @ northern bank of peninsula

Area: fishing, swimming beach, has a building with restrooms

Surrounding Land Use: Forested 70%, Beach 5%, Commercial (bed & breakfast) 5%, Urban/Residential 10%

Sampling Site: beach, bulkhead altered banks years ago, covered with vegetation, collected wood/debris in area, shoreline riprap at lighthouse, piping entering the river.

Water depth: unknown

River Bottom : rocky, sandy, muddy bottom

Plants in area: No plants in sampling area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	65°F 19°C	11:17 AM	60°F 18°C
Wind Speed	2 on beaufort			
Cloud Cover	Partly cloudy			
Weather today	No rain			
Weather recently	High winds and a little Rain			
<i>Water Temperature</i>				
	10:25 AM	15°C		
	10:45 AM	15°C		
	12:30 PM	18°C		
<i>Water Calm or Choppy</i>				
	Choppy			
<i>Turbidity secchi</i>				
	10:15 AM	36.33 inches 29 24		34.3 inches average
	11:13 Am	32.5 in. 39.1 33		34.7 inches average
	12:16 PM	43 in. 40 44.5		42.1 inch. Avg
	12:47 PM	37 34 39		33.3 inch avg

<i>Chlorophyll</i>	10:48 AM	0.7		
	12:26 PM	0.7		
	1:02 PM	0.0		
<i>Chemical</i>				
DO (ampules)	10:25 AM	10 mg/L	15°C	100%
	10:45 AM	8 mg/L	15°C	80%
	12:30 PM	10 mg/L	18°C	101%
pH – pH meter	10:25 AM	8.16 8.9 7.0 7.0		7.765 Average
Phosphate	10:45 AM	>1.0 ppm	1.0 ppm	1.0 ppm
Alkalinity	60 ppm			
Salinity	10:45AM	.02 .02 .02	20 ppm avg.	
<i>Fish Catch - 50'seine</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Macro invertebrates</i>
1:10 PM	10	Killifish		Snail
	1	Shad	7 cm	Scud
	2	'fat ones'		Clamshell
	1	Bass		
	1	Striped Bass	small	
	7	Tesselated darters		
TOTAL CATCH	70			
<i>Tides</i>				
	10:16AM	22 cm		
	10:31AM	20 cm	Falling	
	10:46 AM	17 cm	Falling	
	11:01 AM	7 cm	Falling	
	12:14 PM	17 cm	Rising	
	12:39 PM	18 cm	Rising	
	1:00 PM	25 cm	Rising	
<i>Currents</i>	TIME	Cm/60 secs	Cm/sec	N/S and E/F/S
	10:19 AM	1600	25	South
	11:19 AM	1900	31.17	South
	12:23 PM	300	50	South
	1:00 PM	300	50	North