

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 102
Saugerties Light House, Town of Saugerties, Ulster Co.
Betsy Blair, NYSDEC HREP
Mary Henry, Woodstock Day School grades 5-10th – 37 students

Location: Saugerties Light house @ northern bank of peninsula

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

Surrounding Land Use: Forested 60%, Beach 10%, Commercial (bed & breakfast) 10%, Marsh & Tidal wetlands 20%

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

Plants in area: South side 20% cover, north side 95% covered with plants

Water depth: unknown

River Bottom : sandy, weedy and rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:15 AM	65°F	12:30 PM	72°F
Wind Speed	4-2 on beaufort			
Cloud Cover	Mostly cloudy in AM	Partly cloudy in PM		
Weather today	No rain - mild			
Weather recently	Hot and sunny			
<i>Water Temperature</i>	10:05 AM	20.1°C		
<i>Water Calm</i>	10:47 AM	20.9°C		
	11:20 AM	20.3°C		
	12:27 PM	21°C		
<i>Turbidity secchi</i>		1.23 meters		
<i>Chlorophyll</i>	11:30 AM	0.3		
<i>Chemical</i>				
DO (ampules)	10:47 AM	6 mg/L	21°C	65%
pH – pH pen		8.1 8.1 8.3		8.2 avg.
Phosphate				

Nitrate			0	0
Alkalinity	11:30 AM	190 mg/L		
Salinity	1 ppt			Drop count test kit
<i>Fish Catch - 50'seineX 4 pulls</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
	39	Banded Killifish		
	4	Pumpkinseed		
	1	Hog Choker		
	1	Blue Crab		
	25	Mummichogs		
	1	Zebra Mussel		
TOTAL CATCH	70			
<i>Tides</i>				
	12:15 PM	20 cm	falling	
	12:30 PM	17 cm	falling	
<i>Currents</i>	12:15 PM			EBB
<i>Traffic</i>				
<i>Other Items</i>				