

**Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 102**

**Saugerties Light House, Saugerties, Ulster Co.
Jason Novak, NYSDEC HREP
Mary Henry, Woodstock Day School grades 5-8**

Location: Saugerties Light house & Cove north of lighthouse

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

Surrounding Land Use: Forested 30%, Beach 50%, Swamp 10%

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

Plants in area: 75% of water area covered with plants

Land plants	Chairmakers Rush 45%	Wildrice 5%	Bulrushes 50%	
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Water depth: 12 inches

River Bottom : sandy weedy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	11:15 AM	15°C	1:25 AM	20°C
Wind Speed	1-3 on beaufort	W-SW	Calm water	
Cloud Cover	overcast			
Weather today	Sprinkles @ 11:30 AM - Changeable weather all day			
Weather recently	Sunny for the day – rain the night before			
Water Temperature	11:05 AM	15.9°C	15.7°C	15.8°C surface 12°C bottom
	11:20 AM	18°C	17°C	18°C
	11:45 AM	17°C	17°C	17°C
	1:05 PM	18°C	17°C	17°C
Turbidity secchi	11:30	1 meters	1 meters	1.5 meters
	1:05 PM	.75 meters	.75 meters	.75 meters
Chlorophyll				
Chemical				
DO (ampules)	11:20 AM	8.0 mg/L	18°C	80%
	1:15 PM	8.0 mg/L	17°C	82%
pH – pH pen	11:25 AM	8.0	8.1	8.1
	1:10 PM	8.2	8.2	8.2
Phosphate	11:30 AM	4 mg/L		
Nitrate	11:35 AM	0	0	0

Alkalinity				
Salinity				
* Not experienced with this kit – may be error in reading				
<i>Fish Catch</i> <i>25'seineX15' pull</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
	1	Banded Killifish		
	2	Spottail Shiner		
	8	Striped Bass		
	2	Tesselated Darter		
	1	Pumpkinseed		
	1	Silverside		
	1	Black Crappie		
	12	Blue Crab		
	1	Damselfly Nymph		
	19	Isopods		
	1	Mayfly Nymph		
	1	Caddisfly		
	1	Threadworm		
<i>Tides</i>	10:55 am			
	11:55 AM		falling	
	12:43 PM			
	1:32 PM		rising	
<i>Currents</i>	11:50 AM	1400 cm/60 sec	23.3 cm/sec	.46 knots South
				EBB
<i>Traffic</i>	11:15 AM	Laforge MariaT Barge	Light – no cargo visible	Southbound
	11:50 AM	Ship Cos/Bonny	Cargo not visible	Southbound
<i>Other Items</i>	many cormorant	Several mallard pairs	Pleasure ships	
	Coast guard vessel towing a platform out of Esopus Creek and went North			