

A Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 102
Saugerties Light House, Town of Saugerties, Ulster Co.
Josh Platt & Matt Essery, Woodstock Day School
Grades 5th, 6th & 10th , 28 students and 8 adults

Location: Saugerties Light house @ northern bank of peninsula

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

Surrounding Land Use: Forested 60%, Beach 20%, Commercial (bed & breakfast) 5%, Urban/Residential 15%

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: 10 cm

River Bottom : sandy, muddy

Plants in area: yes – 30% - no floating water chestnut, just dried uprooted pieces along the shoreline

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:20 AM	68°F 20°C	11:43 AM	72°F 22°C
Wind Speed	Not noted	1 kt.	Southern wind	
Cloud Cover	overcast			
Weather today	Drizzle/light rain			
Weather recently	Rain and humid			
<i>Water Temperature</i>	10:39 AM	17.5°C 17°C		17.25°C
	11:15 AM	17°C		
	11:49 AM	18°C		
<i>Water Calm or Choppy</i>	calm			
<i>Turbidity secchi</i>		1.9 meters 1.3		1.46 meters
	10:30 AM	1.2		
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (ampules)	11:45 AM	7.8 mg/L	17°C	80%
pH – color match kit	11:00 AM	7.0		
Salinity – Quantabs -				
<i>Fish Catch –dip net</i>	<i>Number Caught -</i>	<i>Species – diversity</i>	<i>Length of largest</i>	<i>Seining data</i>
10:30 AM	3	Unable to ID		

<i>Tides</i>	Time	Height	Falling/Rising	
	11:10 AM		Falling	
	11:45 AM		Falling	
<i>Currents</i>	TIME	Cm/60 secs	Cm/sec	N/S and E/F/S
	10:50 AM	20 cm20	0.33	Ebb
<i>Core</i>	Rotation	Rare	Common	Abundant
<i>Ships</i>				
<i>Other</i>	We saw 1 adult and 2 bald eagles!			