

**A Day in the Life of the Hudson Riv30 10/4/12 Data
(Salt Front RM 35.7)
RIVER MILE 123**

River Front Park, Cossackie

Sarah O'Connor, Albany Academy for Girls – 25 students 5th graders

Latitude N 42 degrees 22.2' Longitude W 73 degrees 47.756"

Location: River front park with parking area, boat launch, picnic

Area: Parkign area and cement boat launch with fishing and picnic area

Surrounding Land Use: Forested 15%, Beach 30%, parking area, cement boat launch, picnic area and fishing 55%

Sampling Site: Beach, covered with vegetation, rip rap altered banks

Plants in area:

Water depth:

River Bottom –rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30 AM 10:45 AM 11:30 AM 1:00 PM	21.3°C n/a 26.5 22.9		
Wind Speed	9:30 AM 10:45 AM 11:30 AM 1:00 PM	Beaufort 0 1 NW 1 0	Calm 1-3 mph 1-3 mph Calm	Water calm
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>	9:30 AM 10:45 AM 11:30 AM 1:00 PM	18.7°C n/a 18 18.2		
<i>Turbidity-Long Tube</i>	9:30 AM 10:45 AM 11:30 AM 1:00 PM	49.5 cm 32 37 30		
<i>Turbidity Secchi</i>	9:30 AM 10:45 AM 11:30 AM 1:00 PM	80 cm 100 cm 100 cm 75 cm		
<i>Chlorophyll</i>	9:50 AM 10:50 AM 11:45 AM 1:15 PM	1.0 1.0 2.0 1.5		

<i>Chemical</i>				
DO (drop count)	9:50 AM 10:50 AM 11:45 AM 1:15 PM	7.0 mg/L 7.0 6.0 7.0		
pH				
Salinity Quantabs	9:50 AM 10:50 AM 11:45 AM 1:15 PM	29 ppm Cl- 29 ppm 28 ppm n/a	Total Salinity	52 ppm 52 ppm 51 ppm
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Diversity</i>	<i>Seine</i>
	0		0	9:30 AM none
*also one dead shiner	1	Shiner	Div & Totals = 1	10:45 AM
	11	Shiners	Div - 2	11:30 AM
	1	Blue Crab	Totals 12	
	3	Shiners	Div - 2	1:00 PM
	1	Blue Crab	Totals 4	
Total Diversity- 2 Totals - 23	6	Shiners	Div - 1 Totals 6	2:00 PM
<i>Tides</i>	9:30 AM 10:45 AM 11:30 AM 1:00 PM	High Tide n/a Ebbing Ebbing		
<i>Currents</i>	9:30 AM 10:45 AM 11:30 AM 1:00 PM	South South South South		
<i>Core</i>	Smell	Texture	Color	Composition
<i>Unable to core this year – site was entirely too rocky this year!</i>				