

A Day in the Life of the Hudson River 10/16/14 Data
(Salt Front RM 65.9)
RIVER MILE 123

River Front Park, Cossackie

Sarah O'Connor, Albany Academy for Girls – 24 students 5th graders, 2 adults

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>Group 1</i>	<i>Group 2</i>	<i>Group 3</i>	<i>Comments</i>
Physical	10-10:45 AM	11:45-1200	1:00-1:45 PM	
Air Temperature	24°C	23°C	23°C	
Wind Speed	Beaufort 1 1-3 mph South	Beaufort 1 1-3 mph Northwest	Beaufort 3 8-12 mph South	
Cloud Cover				
Weather today	Wet and humid – rain			
Weather recently				
Water Temperature	18°C	18.5°C	18°C	
Turbidity-Long Tube	63 cm	69 cm	52.5 cm	
Turbidity Secchi	225 cm	180 cm	210 cm	
Chlorophyll	0.3-0.5	0.1-0.3	0.5-0.7	
Chemical				
DO (Hach drop count)	11 ppm	11 ppm	10 ppm	
pH				
Salinity Quantabs LR	1.5 register 36-43 ppm Cl- 72 ppm TS	1.5 register 36-43 ppm Cl- 72 ppm TS	1.6-1.8 reg. 44-51 ppmCl- 88 ppm TS	
TOTAL SALINITY	65-78 ppm	65-78 ppm	79-92 ppm	
Fish Catch	10-10:45 AM	11:45-1200	1:00-1:45 PM	Comment
	1 Shiner	1 Killifish	2 Herring 1 Killifish	Diversity 3 Totals 5

	Div – 1 Total 1	Div – 1 Total 1	Div 2 Totals 3	
<i>Tides</i>	High	Lower	Lower	Ebbing all day
<i>Currents</i>	South	South	South	
<i>CORE</i>				
<i>Smell</i>	Slightly fishy	faint	faint	
<i>Texture</i>	Course grit & fine	Course & clay	Course & clay	
<i>Color</i>	Brick Rock – light & dark grey Fine tan sediment	Brick Rock	Brick Rock	
<i>Composition</i>	Brick Rock Gravel Silt	Gravel Clay	Gravel Clay 1 bit of metal	
<i>Shipping</i>	11:35	1 barge 1 tugboat	Rtc 120	South - unloaded
	12:06 PM	Freighter	Mobile Pearl	North - unloaded
	12:15 PM	Freighter	Pretty Lamb	South – unloaded
	1:00 PM	Passenger	Small boat	
	1:34 PM	1 barge 1 tugboat	Buchard oil	North - loaded
	1:50 PM		Riverkeeper	North
	1:50 PM	1 Sailboat	Halfmoon	South