

Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 127 – Stuyvesant Landing
Chelsea Benson, Columbia County Soil & Water Conservation District
Cammy Salazar, The Alternative Learning Center (TALC) – 10-13 yrs. – 12
students & 11 adults
Latitude 47 N Longitude 73W (topo map)



Location: Sandy point of Stuyvesant Landing, Columbia County. The sandy point is just south of the parking lot.

Area: forested area used for picnics & camping Park/Boat launch, sandy beach area on the point

Surrounding Land Use: 95% forested, 5% beach – used for picnics, swimming, campfires, sandy beach and dense woods behind

Sampling Site: Beach, fallen trees, water area is sandy with little mud further out – gently sloped beach, shallow quite a distance and then shipping channel

Plants in area: yes – about 1% of sampling area has water chestnut in it.

Water depth: waded in approx. 2 ft.

River Bottom –gradual slope, sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	3:40 PM	65°F 18°C		
Wind Speed	1.5 knots	Anemometer	NW	
Cloud Cover	clear		Water few waves	
Weather today	Mostly cloudy			
Weather last 3 days	Rain, high speed wind gusts on 10/7/09			
<i>Water</i>	3:45 PM	64°F		

<i>Water Temperature</i>	3:45 PM	64°F 18°C		
	4:00 PM	64°F 18°C		
<i>Turbidity – short site tube</i>	4:00 PM	60 JTU		60 JTU average
<i>Chlorophyll</i>	4:15 PM	0.5		
<i>Chemical</i>				
DO <i>Drop count</i>	3:45 PM	9.5 mg/L	18 ° C	100%
pH <i>pen</i>	3:30 PM	7.6 8.0 7.8		Average 7.8
Nitrates	3:56 PM	0.29 ppm		
Phosphates	3:53 PM	0.08 ppm		
Alkalinity	3:45 PM	100 ppm 94 ppm 100 ppm	98 ppm	
Salinity <i>Test strip</i>	3:540PM	28 ppm X 3	Chloride	
<i>Fish Catch – 4:30 PM</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size of largest</i>	<i>2 seine with fish catch</i>
<i>Seine 40 ft. X 3 ft. Mesh 0.25 inch</i>	1	Herring y-o-y	8 cm	
<i>3 minute pull</i>	4	Spottail shiner	7 cm	
<i>Tides</i>	3:30 PM		23 cm	
	4:00 PM	Rising	34 cm	.36 cm/min
	4:15 PM	Rising	42 cm	.53 cm/min
<i>Currents</i>	3:40 PM	south	ebb	
<i>Other Items</i>				
<i>Core Description</i>	<i>Total Length</i>	<i>Top Layer</i>	<i>Second Layer</i>	<i>Describe</i>
	8 inches	No distinct layers	All sand	
<i>Shipping</i>	3:45 PM	Double decker	Fun boat	Southbound
<i>Traffic</i>	4:15 PM	Barge	Eva Leigh	Southbound