

Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 127 – Stuyvesant Landing
Chelsea Benson - Columbia County Soil & Water Conservation District
Elizabeth Pagnani, The Alternative Learning Center (TALC) – 4-13 yrs. – 12
students & 13 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 with narrow beach used for swimming, picnics & camping by permit. 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 area

Plants in area: no plants in water

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	3:43PM	68°F 20°C	4:20 PM	65.5°F 19°C
Wind Speed	Beaufort 0-1	1.0-3.0 knots Anemometer	Seems to be from the West	
Cloud Cover	clear	Partly cloudy		
Weather today	Wind picked up slightly	Became sunnier		
Weather last 3	Mild weather - mid 60°F during day – low 50°F night. Windy			

days	on 10/16			
<i>Water</i>	Calm			
<i>Water Temperature</i>	3:45 PM	65°F 18°C		
	4:10 PM	64.4°F 18°C		
	4:20 PM	63°F 16°C		
<i>Turbidity – short site tube</i>	4:15 PM	20 JTU	4:30 PM	20 JTU
<i>Chlorophyll</i>	3:30 PM	2.0		
<i>Chemical</i>				
DO <i>Drop count</i>	4:05 PM	9.8 mg/L	16 ° C	100%
pH <i>meter</i>	3:30 PM	8.3 8.0 8.3		Average 8.2
Nitrates	4:10 PM	0.10 ppm		
Phosphates	3:50 PM	0.15 ppm		
Alkalinity	3:50PM	100 ppm 100 ppm		Average 100 ppm
Salinity <i>Quantab Test strip</i>	3:45 PM 4:24 PM	.2* .8* readings on wick stick	*Note: salinity was below the level of test detection	
<i>Fish Catch –2 pulls - Seine 40 ft. X 3 ft. Mesh 0.25 inch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size of largest</i>	<i>2 seines – 10 yds each</i>
<i>4:40 PM</i>	3	Spottail shiner	10 cm	5 minute pulls-
<i>4:50 PM</i>	2	Spottail Shiner		
<i>Tides</i>	3:45 PM		32 cm	
	4:00 PM	Rising	43 cm	.73 cm/min
	4:15 PM	Rising	52 cm	.60 cm/min
	4:30 PM	Rising	60 cm	.53 cm/min
<i>Currents</i>	4:15 PM	150 cm/60 secs	2.5 cm/sec	.04 knots

Our sampling beach is set back slightly from the direct current. We managed to get the orange out into the current.				North/Flood
<i>Other Items</i>				
<i>Core Description</i>	<i>Total Length</i>	<i>Top Layer</i>	<i>Second Layer</i>	<i>Describe</i>
Shipping	4:00 PM	Sailboat/Karma	Northbound	Sail not up
Observations				