

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 127 – Stuyvesant Landing
Latitude 47 N Longitude 73W (topo map)
Leanna O’Grady, Columbia County Soil & Water Conservation District
The Alternative Learning Center (TALC) – 7-14 yrs. – 12 students

Location: ¼ mile South of Stuyvesant Landing

Area: Park/Boat launch, sandy beach area on the point

Surrounding Land Use: 90% forested, 10% beach – used for picnics, swimming, campfires, sandy beach and dense woods behind

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

Plants in area: none

Water depth: 0-106 cm

River Bottom –sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	3:29 PM	79°F 26°C		
	4:23 PM	75°F 24°C		
Wind Speed	Beaufort 4		South	
Cloud Cover	Partly cloudy			
Weather today	Breaks of sun			
Weather last 3 days	Beautiful, sunny, warm, no rain, light wind			
<i>Water Temperature</i>	3:25 PM	75.2°F 24°C		1 foot depth
	3:55 PM	76.1°F 24.5°C		
	4:20 PM	75.5°F 24.2°C		
<i>Turbidity</i> Secchi off dock	4:20 PM	60 JTU 40 JTU		50 JTU average
<i>Chlorophyll</i>	3:00 PM	2		
<i>Chemical</i>				
DO <i>Drop count</i>	4:20 PM	9.4 mg/L	24.2 ° C	110%

pH <i>pen</i>	3:25 PM	8.2 8.5 8.5		Average 8.4
Nitrate	4:00 PM	0.39 mg/L		
Phosphate	3:50 PM	0.10 mg/L		
Alkalinity	3:30 PM	130 mg/L		
Salinity <i>Test strip</i>	4:00 PM	43 mg/L 43 mg/L 37 mg/L		41 mg/L
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		<i>1 seine with fish catch – 2 dry runs</i>
<i>Seine 40 ft. X 4 ft. Mesh 0.25 inch</i>	5	Banded Killifish	6 cm	63 fish total
	1	Hogchoker	4 cm	
	51	Spottail shiner	10 cm	
	1	Sunfish	5 cm	
	5	White Perch	6.5 cm	
<i>Tides</i>	3:24 PM	0 cm		
	3:50 PM	27 cm	rising	
	3:55 PM	30 cm	rising	
	4:15 PM	40 cm	rising	
	4:20 PM	42 cm	rising	
	4:30 PM	47 cm	rising	
<i>Currents</i>	3:28 PM		flood	
	4:01 PM		flood	
	4:25 PM		flood	
<i>Other Items</i>				
<i>Core Description</i>	<i>Total Length</i>	<i>Top Layer</i>	<i>Second Layer</i>	<i>Describe</i>
12:15 PM	20 cm	No distinct layers		
	Abundant – sand	Common - mud	Rare – Clay	Brick pieces Rock pieces Wood pieces
<i>Commercial Traffic</i>	3:37 PM	Tug pushing Barge	RIC55	Northbound light
	3:57 PM	Tugboat pushing barge	Black & red	Southbound
	5:30 PM	Seaplane	Taking off and landing	circling
<i>Other</i>	Evidence of mussels	Gulls	3:57 PM white sailboat	4:19 PM canoe northbound

			northbound	
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