

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 55
Little Stony Point
Rich Parisio, NYS Dept. of Environmental Conservation
Allissa Perrault – Wappinger Jr. High School
(21 students) 8th grade

Location: Little Stony Point beach, Cold Spring, Putnam County

Area: Trees, large sandy beach

Surrounding Land Use: 50% forested, 50% beach

Sampling Site: Pipes discharge from the road into the river (2 ft. diameter), beach area

Plants in area: no plants in water

Plants In Tidal Shallows: 50% water celery; 50% water chestnut

Water depth: 3 ft.

River Bottom – sandy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:45 AM	15°C 60°F	11:15 AM	22°C 73°F
Wind Speed	9:45 AM	Beaufort force #1	11:00 AM	Beaufort Force #3
Cloud Cover	Partly cloudy			
Weather today				
Weather recently	Unusually warm temperatures, no rain, humid, misty cloudy mornings			
<i>Water Temperature</i>	9:45 AM	13.5°C 10.5°C 10.5°C	56.3°F 50.9 F 50.9 F	°F °C
	10:15 AM	11.0°C 11.0°C 10.5°C	51.8°F 51.8°F 50.9°F	°F °C
	10:45 AM	10.5°C 11.0°C 10.5°C	50.9 °F 51.8°F 50.9°F	°F °C
	11:00 AM	13.5°C 10.5°C 10.5°C	56.3 °F 50.9°F 50.9°F	°F °C
<i>Water</i>	calm			
<i>Turbidity</i> <i>Turbidity tube</i>	11:10 AM	80 cm		
<i>Chlorophyll</i>	11:20 AM	0.1		
<i>Chemical</i>				

DO (ampules)	10:30- 11:30 AM	11°C	5.5mg/L 6.0 mg/L 7.0 mg/L 8.5 mg/L	50% saturated 55% saturated 62% saturated 75% saturated
pH		8.6	8.6	8.6
Phosphate				
Nitrate				
Alkalinity				
Salinity <i>Drop count test kit</i>	10:59AM	1.4 0.1	.0008%	
	11:30 AM	0.1 0.1		0.43 ppt avg.
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
Seine net 85 feet , X 4 ft.	180	Blueback herring	(yoy)	yoy = young of year
3 hauls total	9	Banded killifish	adult	
	100	Striped Bass	yoy	
	37 23	White Perch	Adult yoy	
	25	Spottail shiner	adult	
	9	Atlantic Silverside	<i>adult</i>	
	8	Tesselated darter	Adult	
	4	Gizzard shad	yearling	
	4	Hogchoker	3 adult 1 yoy	
	1	Atlantic menhaden	yoy	
	5 male 4 female	Bluecrab	All yoy	
GRAND TOTAL	400			
Tom Lake	10:30- 11:30	5.0 ppt salinity	21.9°C (71°F)	

<i>Tides</i>	9:45 AM	21 cm		
	10:30 AM	30 cm	rising	
	11:12 AM	35 cm	rising	
	1:00 PM	80 cm	rising	
<i>Currents</i>				
<i>Traffic</i>	10:10 AM	Fishing –	Southbound	
	11:00 AM	Barge	Northbound	
<i>Other Items</i>				
<i>Core Description</i>		20 cm length	Slight H2S smell	No oil or oxidized top
	Abundant – sand & gravel	Common – Pebbles	Rare – clay, mud, leaves, wood & oyster shells	