

Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 31 – Hook Mountain State Park
Laurie Seeman – Strawtown Art & Garden Studio
Lorraine Marden Komar -Blue Rock School – 4th & 5th – 17 students



Location: Nyack Beach near Hook Mountain Sandy Beach right side of riverfront area

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

Surrounding Land Use: 70% forested, 5% urban/residential, 20% beach – used for recreation & picnics

Sampling Site: Beach – sandy and rocky at edges, covered with vegetation beyond the beach, stone wall, riprap shore, collected wood debris –

Piping coming into river south of sampling site

Plants in area: 1% water celery

Water depth: 3 ft.

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	11:06 AM	61°F 17°C		
	1:00 PM	50°F 10°C		
Wind Speed	20 kts		NW	
				Water Choppy
Cloud Cover	clear			
Weather today	No rain – wind picked up			
Weather last 3 days	Very windy, a bit chilly but no precip.			
<i>Water Temperature</i>	11:10 AM	20°C	20°C	20°C

	1:04 PM	21°C	21°C	21.5°C
	1:44 PM	21°C	21°C	21°C
Turbidity	1:04 PM	5 JTU 10 JTU 5 JTU		6.7 JTU average
Chlorophyll	3 tests	0.3 each		
Chemical				
DO <i>Drop count</i>	11:10 AM	8 mg/L	20 ° C	90%
pH <i>Colormetric kit</i>	11:49 AM	7.0	3 tests	Average 7
Salinity <i>Test strip/</i>	11:33 AM	513 ppm 512 ppm 513 ppm	5.13 ppt 5.12 ppt 5.13 ppt	
Fish Catch	Number Caught	Species		
Seine 12 ft. X 6ft. Mesh 0.25 inch	4	American Eel		28 total catch
	2	Blue Crab		
	2	Grass Shrimp		
	20	Silverside		
Tides	11:20 AM	45 cm		
	12:00 PM	55 cm	rising	
	12:44 PM	70 cm	rising	
	1:15 PM	84 cm	rising	
	1: 40 PM	90 cm	rising	
Currents	CM/60 secs	Cm/Sec	North/South Ebb/Flood/Still	Knots
11:22 AM	400 cm	6.66	South (Ebb)	8 kts
12:50	390 cm	6.5	South (Ebb)	7.8 kts
1:45 PM	222 cm	3.66	South (Ebb)	4.4 kts
Other Items				
Core Description	Total Length	Top Layer	Second Layer	Describe
	8 inches – Top layer ½ inch	On one end a rusty color – a bit of a rusty smell.	On the tip of this end small pebbles – sandy layer	
Commercial	1:05 PM	Black Cargo	Sargeant 2	Southbound -

Commercial Traffic	1:05 PM	Black Cargo	Sargeant 2	Southbound - light
	11:40 AM	white		Southbound - light
	12:42 PM	white		Southbound - light
Other	11:35 AM	4 ducks	Close to shore	

Journal: A bright sunny day greeted us when we arrived at Nyack Breach. Immediately the children set out exploring. They found a very climbable tree at the edge of the beach. About mid-day we noticed that the wind had picked up. We observed ducks swimming northward. The water became choppy.