

**Snapshot Day 10/7/08 Data  
(Salt Front RM 63.4)  
RIVER MILE 124.5**

**Nutten Hook, Stuyesant, Columbia. County  
Jenny Brinker, Columbia Land Conservancy  
Jim McDarby, Hudson High School, 11<sup>th</sup> and 12<sup>th</sup> graders – 44 students  
GPS Latitude 42 N Longitude 73 W**

**Location:** Nutten Hook – Ice House Rd. & Ferry Rd.

**Area:** Beach, forested bluff, large marsh behind bluff, DEC public access, used for picnics, water access

**Surrounding Land Use:** Beach – 50%; Forested 50%; remnants of dock and ice house ruins, shoreline is sandy and rocky, riprap, banks altered in some areas with bulkhead

**Sampling Site:**

**Plants in area:** 15% of entire site with plants in the water

<i>Tidal - shallows</i>	Water Milfoil 5%	Water Chestnut 5%	Water Celery 5%
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**Water depth:**

**River Bottom :** Rocky with some sand

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:52 AM	52°F		
	12:45 PM	71°F		
Wind Speed	Beaufort 1	1-3 knots		
Cloud Cover	clear			
Weather today	sunny			
Weather recently	10/4: High 60 °F, Low 36°F, no rain 10/5: High 62 °F, Low 36°F, no rain 10/6: High 54 °F, Low 42°F, periods of light rain			
<i>Water Temperature</i>	9:36 AM	57°F 14°C	3 repetitions the same	Shady area
	10:15 AM	57°F 14°C	3 repetitions the same	Shady area
	11:54 AM	60.8°F 16°C	3 repetitions the same	Shady area
	10:19 AM	18°C		
<i>Water calm</i>	yes			
<i>Turbidity – sight tube</i>	9:30 AM	47 cm 49 cm 50 cm		48.6 cm average

<b><i>Chlorophyll</i></b>	9:50 AM	0.1		
<b><i>Chemical</i></b>				
DO (drop count kit)	9:36 AM	4.0 mg/L	14°C	39% (collected in shade)
<i>pH -Litmus test strips</i>	9:32 AM	6 6 6	6 avg.	
Salinity – Quantabs	9:35 AM	28 ppm		
Salinity – test strips	9:45 AM	14 ppm		
	11:58 AM	14 ppm		
	12:36 AM	35 ppm		
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Macros</i></b>	<b><i>Species</i></b>
40 ft. seine net X 3/8 inch mesh	1	White Perch	Many	Zebra Mussels
	30	Banded Killifish	Many	Scuds
	30	Herring	1	Limpit (freshwater snail)
	20	Spottail Shiner		
	1	Mummichog		
<b><i>Tides</i></b>	9:23AM	18 cm		
	9:44AM	22 cm	rising	
	9:58 AM	23 cm	Rising	
	10:16 AM	24 cm	rising	
	10:36AM	24 cm	still	
	11:47 AM	16.5 cm	Falling	
	11:58 AM	16 cm	Falling	
	12:20 AM	13 cm	Falling	
	12:48 AM	10 cm	Falling	
<b><i>Currents</i></b>	9:39 AM	44ft /60 secs	0.73 ft./sec	North/Flood
	12:10 PM	77' 10"/60 sec	1.3 ft./sec	South/Ebb
	12:39 PM	76' 4"/60 sec	1.28ft/sec.	South/Ebb
<b><i>Traffic</i></b>				
<b><i>Other Items</i></b>				
<b><i>Core</i></b>				