

**Snapshot Day 10/12/06 Data  
(Salt Front RM 52.5)  
RIVER MILE 124.5**

**Nutten Hook**

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GPS Latitude 42 N Longitude 73 W**

**Location:** Nutten Hook

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

**Surrounding Land Use:** Beach - shoreline is sandy and rocky, riprap, banks altered in some areas with bulkhead

**Sampling Site:**

**Plants in area:**

<i>Tidal -Land plants</i>	Common reed 10%	Water Chestnut, seeds abundant but not growing plants	Poison Ivy 5%
	Willows 10%	Sumac 5%	Cottonwood trees 5%

**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	10:04 AM	59°F 14°C	10:29 AM	59°F 14°C
	10:46 AM	60°F 16C	10:57 AM	60°F 16°C
	11:05 AM	64°F 16°C	11:12 AM	63°F 14°C
Wind Speed	7-10 knots	Wind from South	Water calm	
Cloud Cover	overcast			
Weather today	Mostly cloudy, a little precipitation and mist			
Weather recently	M & T sunny and warm, W partly cloudy and rain through night			
<i>Water Temperature</i>	11:05 AM	17°C		
<i>Turbidity</i>	11:05 Am	40 JTU	60 JTU	60 JTU
<i>Chlorophyll</i>	10:25 AM	0.7	11:13 AM	0.5
<i>Chemical</i>				
DO	11:05 Am	4.0 mg/L	17°C	40%

(drop count kit)					
pH – <i>indicator sol.</i>	10:45 AM	7.5	AVERAGE OF 3 tests 7.46		
<i>Litmus test strips</i>	10:45 AM	6.8			
<i>pH pen</i>	10:45 AM	8.1			
Phosphate					
Nitrate					
Alkalinity					
Salinity (hydrometer)	2 ppt	1 ppt	4 ppt	Either should be ppm or inaccurate due to instrument in area used	
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>CPUE</i></b>	<b><i>Seine 10 seines</i></b>	
40 ft. seine net	3 (1.5-5 inch)	White Perch			
	1 (2 inch)	Sriped Bass			
	1	Herring			
	2	Blue Crab			
<b><i>Tides</i></b>	9:58 AM	67 cm			
	10:28 AM	57 cm	falling		
	10:45 AM	52 cm	falling		
	10:57 AM	48 cm	falling		
	11:03 AM	46 cm	falling		
	11:12 AM	41 cm	falling		
<b><i>Currents</i></b>	10:04 AM	ebb			
	10:47 Am	ebb			
	11:04 AM	ebb			
<b><i>Traffic</i></b>	9:50 AM	Cos Bonnie-red & black - Singapore	Southbound	Empty	
	10:10 AM	Belnor, blue, whit red - Oslo	Northbound	½ full	
	10:22 AM	Green & white	Southbound	Large speedboat	
<b><i>Other Items</i></b>	<b><i>Zebra mussels</i></b>	2 bald eagle	1 osprey	3 canadian geese	Roypoly caterpillars
<b><i>Core</i></b>	unsuccessful				