

**Snapshot Day 10/12/06 Data**  
**(Salt Front RM 52.5)**  
**RIVER MILE 127**  
**Stuyvesant Landing, Columbia County**  
**Leanne O'Grady, Columbia County Soil and Water Conservation District**  
**The Alternative Learning Center Home Schoolers**  
**Latitude 47, Longitude 73**

**Location:** Sandy Point of Stuyvesant Landing, Columbia Co. The sandy point is just south of the Stuyvesant Landing (Beach)

**Area:** Forested site with narrow sandy beach - used for picnics and swimming.

**Surrounding Land Use:** Forested 90%; beach 10%

**Sampling Site:** beach, mostly forested, collected wood debris

**Plants in area:** No aquatic plants in the sample area

**Water depth:** 0-110 cm

**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	3:55 PM	65.3°F 18.5 °C	4:08 PM	65.6°F 18.6 °C
Wind Speed	1 knot beaufort	N	calm	
Cloud Cover	partly cloudy in beginning, shifting to mostly cloudy			
Weather today	Overcast			
Weather recently	Mild, wind, mild temperature, rain last night			
<i>Water Temperature</i>	3:56PM	65°F 18.3°C	63°F 17.22°C	64°F 17.78°C
	4:12 PM	63°F 17.22°C	62°F 16.67°C	64°F 17.78°C
<i>Turbidity</i>	4:15 PM	60 JTUs X 3 readings		Sight tube
<i>Chlorophyll</i>	3:15 PM	0.6		
<i>Chemical</i>				
DO (LaMotte Colorimeter)	4:15 PM	9.2 mg/L	19.83°C	100%
pH – <i>pen</i>	4:00 PM	8.8	8.7	8.6
Phosphate	4:30 PM	0.13 mg/L		LaMotte smart colorimeter
Nitrate	4:15 PM	0.45 mg/L		LaMotte smart colorimeter

Alkalinity	4:05 PM	100 mg/L	90 mg/L	Hach drop kit (titration)
Salinity	4:05 PM	0.030 ppt or 30 ppm		Drop count test kit
<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</i></b>
40 ft. seine X 4 ft. X 0.25 mesh	8	Spottail Shiners		1 <sup>st</sup> seine
	1	White Perch		
	1	Spottail Shiner		2 <sup>nd</sup> Seine
	1	Blue Crab		
	4	White Perch		3 <sup>rs</sup> Seine
<b><i>Tides</i></b>	4:00 Pm	23 cm	Rising	
	4:30 PM	36 cm	Rising	
	4:50 PM	46 cm	Rising	
	5:15 PM	56 cm	Rising	
<b><i>Currents</i></b>		15cm/sec	0.3 Knots	North/Flood
<b><i>WoodsHole Sample</i></b>	3:15 PM	101206_SL_127		
<b><i>Traffic</i></b>	4:20 PM	Sailboat		Southbound
	4:23 PM PM	Barge & Tug		Southbound
	4:40 PM	Speedboat		Southbound
<b><i>Other Items</i></b>	3:50 PM	Great Blue Heron	Flying E to W	
	Airplanes 4:23 and 4:25 PM and Train 4:25 PM			
<b><i>Core</i></b> <i>Water depth 3 ft. – from beach S. of landing</i>	19 cm total height	4 cm top oxidized layer	15 cm second layer	Sandy color and texture (abundant)