

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 108**

**Lasher Memorial Park, Germantown, Columbia County
Jenny Brinker, Columbia Land Conservancy
Jim McDarby, Hudson High School, 11th and 12th graders – 19 students
GPS Latitude 42°09.50' N Longitude 73°53.21'W**

Location: Lasher Memorial Park.

Area: Grassy area, used for picnics and boating

Surrounding Land Use: Beach – 25%; Forested 25%; Urban/residential 50%

Sampling Site: beach covered in vegetation

Shoreline: sandy, rocky

Plants in area: No plants in water (water chestnuts gone from last year)

<i>Tidal - shallows</i>	Phragmites 70%	Shrubs & Brush 20%	Willows 10%
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Water depth: 3 ft.

River Bottom : sandy, rocky

Notes: Lots of debris from storms in late August. Water chestnut mats are gone. Beach areas eroded. Many of the willow and cottonwood trees uprooted and had to be removed from the site because of damage.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:01 AM	55°F 12°C		
	1:11 PM	69°F 20°C		
Wind Speed	Beaufort Calm	Wind Meter 0 knots		
Cloud Cover	Partly cloudy			
Weather today	Cloudy in the AM, sunshine in the PM			
Weather recently	Highs in the 60's, lows in the 40's			
<i>Water Temperature</i>	10:15 AM	14°C	3 repetitions the same	2 ft. depth water
	11:30 AM	14°C	3 repetitions the same	2 ft. depth water
	1:00 PM	15°C	3 repetitions the same	2 ft. depth water
<i>Water calm</i>	yes			
<i>Turbidity – sight tube</i>	10:06 AM	21 cm		
	11:12 AM	10 cm		

	12:47 AM	7 cm		
Chlorophyll	10:08 AM 11:16 AM	1.0 2.0		
Chemical				
DO (drop count kit)	10:15 AM 11:30 AM 1:00 PM	8 mg/L 10 mg/L 7 mg/L	14°C 14°C 15°C	77% 96% 70%
pH –Test strips	10:10 AM 11:30 AM 1:00 PM	6.5 6.5 6		
Salinity – Quantabs	10:15 AM 11:30 AM 1:00 PM	22 ppm Cl 22 ppm Cl 20 ppm Cl	Total Salinity	39.7 ppm salinity 39.7 ppm salinity 36 ppm Salinity
Fish Catch 40 ft. seine net X 3/8 inch mesh	Number Caught	Species	Length of largest	Macro Species
10:30 AM	15	Spottail Shiner	10 cm	Scud
	8	Striped Bass	15 cm	
	20	Herring – yoy	6.4 cm	
11:00 AM	22	Spottail Shiner	10 cm	
	8	Striped Bass	7 cm	
	2	Tessellated Darter	6.5 cm	
	2	Pumpkinseed	8 cm	
	3	Herring - yoy	6 cm	
1:00 PM	>1	Spottail Shiner	7 cm	Blue crab (2)
	>1	Pumpkinseed	8.5 cm	
	>1	Tessellated Darter	6.3 cm	
	>1	White Perch	7 cm	
Tides	10:00 AM	45 cm		
	10:40 AM	30 cm	Falling	
	11:00 AM	25 cm	Falling	
	11:35 AM	15 cm	Falling	
	12:32 PM	5 cm	Falling	
Currents	10:14 AM	ebb		
	11:01 AM	ebb		
	12:36 PM	ebb		
Traffic				
Other Items	Gulls	Monarch Butterfly		
Core	Yes	Sent with runner		