

**Snapshot Day 10/10/14 Data  
(Salt Front RM 36)  
RIVER MILE 108**

**Lasher Memorial Park, SN. Germantown, Columbia County  
Jenny Brinker, Columbia Land Conservancy  
Jim McDarby, Hudson High School, 11<sup>th</sup> and 12<sup>th</sup> graders – 26 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:**

<i>Tidal - shallows</i>	Phragmites 50%	Water Chestnut 10%	Willows 20%
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**Water depth:** 3 ft.

**River Bottom :** sandy, rocky

Notes: Lots of trash from recent flooding. Cement plant on opposite river bank.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:40 AM	57°F 13.8°C		
	12:45 PM	71°F		
Wind Speed	Beaufort 1	1.3 knots	South	
Cloud Cover	Partly cloudy			
Weather today	Heavy fog in the AM			
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>	10:30 AM	13°C	3 repetitions the same	2 ft. depth water
	11:30 AM	14°C	3 repetitions the same	2 ft. depth water
	1:30 PM	16°C	3 repetitions the same	2 ft. depth water
<i>Water calm</i>	yes			
<i>Turbidity – sight tube</i>	10:40 AM	46 cm 38 cm 40 cm		41 cm average
<i>Chlorophyll</i>	10:45 AM	1.0		
<i>Chemical</i>				
DO	10:30 AM	10 mg/L	13°C	95%

(drop count kit)	1:13 PM	8 mg/L	16°C	81%
<i>pH -Litmus test strips</i>	10:30 AM 11:20 AM 12:51 PM	8,8,8 8,8,8 8,8,8	8 avg.	
Salinity – Quantabs	9:30 AM 11:30 AM 1:06 PM	14 ppm 14 ppm 14 ppm		
<b><i>Fish Catch</i></b> 40 ft. seine net X 3/8 inch mesh	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Length of largest</i></b>	<b><i>Macro Species</i></b>
10:30 AM	11	Spottail Shiner	9.5 cm	Water beetle
	1	Striped Bass	9 cm	scud
	1	Herring – yoy	8 cm	
11:30 AM	3	Spottail Shiner	8 cm	Stonefly nymph
	1	Striped Bass	7 cm	Damselfly nymph
	3	Tessellated Darter	7 cm	
1:00 PM	10	Spottail Shiner	8 cm	Blue crab (2)
	1	Striped Bass	8 cm	
	1	Tessellated Darter	7 cm	
	3	White Perch	8.5 cm	
<b><i>Tides</i></b>	10:15 AM	55 cm		
	10:45 AM	50 cm	Falling	
	11:10 AM	40 cm	Falling	
	11:45 AM	35 cm	Falling	
	12:45 PM	15 cm	Falling	
<b><i>Currents</i></b>	10:30 AM	ebb		
	11:20 AM	ebb		
	12:50 PM	ebb		
<b><i>Traffic</i></b>	12:35 PM	Barge RTC 120	Black/Red	Northbound
<b><i>Other Items</i></b>	Great blue herons			
<b><i>Core</i></b>				