

**A Day in the Life of the Hudson River 10/4/12 Data
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:

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

River Bottom : sandy, rocky

Notes: Unable to record all data because of steady rain. We tried incredible hard to keep the papers dry, but we were unsuccessful! Thick fog in the morning.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:10 AM	68.8°F 20.4°C		
	11:03 AM	72°F 22°C		
Wind Speed	Beaufort Calm	Wind Meter 0 knots		
Cloud Cover	Cloudy			
Weather today	Cloudy and rainy all day			
Weather recently	Highs in the 60's, lows in the 40's			
<i>Water Temperature</i>	10:12 AM	18°C	3 repetitions the same	2 ft. depth water
<i>Water calm</i>	yes			
<i>Turbidity – sight tube</i>	10:17 AM 11:14 AM 12:37 AM	49 cm 18 cm 46 cm		Averages
<i>Chlorophyll</i>	10:20 AM 11:22 AM	1.0 3.0		
<i>Chemical</i>				
Nitrates	10:30	1 ppm		
Phosphates	10:30	2 ppm		

<i>pH – Test strips</i>	10:12 AM	7		
Salinity – Quantabs	11:00 AM	28 ppm Chloride		51 ppm total salinity
<i>Fish Catch</i> 40 ft. seine net X 3/8 inch mesh	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Macro Species</i>
10:00am – 1:00 p	25	Spottail Shiner	10 cm	Blue crab (5)
	8	Striped Bass	15 cm	
	2	Hogchoker	15 cm	
	1	American Eel	30 cm	
	6	Pumpkinseed	8 cm	
	2	Tessellated Darter	6.5 cm	
	5	White Perch	7 cm	
<i>Tides</i>	10:00 AM	34 in		
	10:30 AM	29 in	Falling	
	11:00 AM	26 in	Falling	
	11:28 AM	23 in	Falling	
<i>Currents</i>	10:10 AM	ebb		
	11:02 AM	ebb		
	12:30 PM	flood		
<i>Traffic</i>				
<i>Other Items</i>				
<i>Core</i>	No			