

A Day in the Life of the Hudson River 10/4/13 Data
RIVER MILE 108
Lasher Memorial Park, Germantown, Columbia County
Tom Crowell, Columbia Land Conservancy
Jim McDarby, Hudson High School, 11/12th graders – 37 students, 8 adults
GPS Latitude 42°09.50' N Longitude 73°53.21'W



Location: Lasher Memorial Park, Boat Launch, North Germantown Landing
Area: Grassy area, used for picnics and boating, boat launch
Surrounding Land Use: Forested – 40%; Urban/residential 50%; Beach 5%, mowed park 5%
Sampling Site: Park with mowed lawn, rip rap in area
Water depth: 1 ft.
River Bottom : sandy
Water Plants: no plants in the water area
Plants in area: Phragmites

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:00 AM 1:00 PM	°F °F	13°C 15°C	
Wind Speed	Beaufort #2	S		
Cloud Cover	76-100%	Gradual clearing		
Weather today	No rain, overcast with gradual clearing			

Weather recently	2 days ago very cold yesterday snow			
Water Temperature	9:40 AM 12:02 PM	11°C 12	51.8 °F 53.6 °F	
Water calm	Calm			
Turbidity – sight tube	Time not noted	43 cm		
Chemical				
DO – drop count kit	10:45 AM	11°C	16 ppm	Tested 6 times with this result
pH – indicator solution	11:00 AM	7.5 8		Avg 7.75
Salinity – Quantabs	10:40 AM	<1 on the bar	<28 ppm Chloride	<51 ppm total salinity
Fish Catch	Number Caught	Species	Length of largest	Macro Species
100 ft. seine net X 1/2 inch mesh	111	Blueback Herring	9 cm	DIV 7
	6	Darter	8 cm	TOTAL 154
Fish- 6 seines total	12	Striped Bass	13 cm	
	3	Banded Killi	8 cm	
	17	Spottail Shiner	13 cm	
	4	Pumpkinseed	13 cm	
	1	Sunfish	9 cm	
Macro		Scud Caddisfly Zebra Mussels		DIV 3
Tides	9:30 AM 11:30 AM 12:30 PM	70 cm 50 cm 25 cm	Falling Falling Falling	0.16 cm/min 0.42 cm/min
Currents	11:30 AM	11cm/sec	0.21 kts	South/Ebb
Traffic	NR			