

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, 12th graders – 30 students
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

Surrounding Land Use: Beach – 82%; Urban/residential 10%; Other 8%

Sampling Site: Park with mowed lawn, rip rap in are

Water depth: 3

River Bottom : sandy,

Plants: Goldenrod, common reed, maple, cottonwood

<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	48°F 10.2°C		
	12:29 PM	60°F 16°C		
Wind Speed	Beaufort #3 Gentle Breeze	SW	12:29 PM Beaufort 2	SW
Cloud Cover	Mostly Cloudy			
Weather today	Cloudy and rainy all day			
Weather recently	Monday heavy rains, Tues. cold no rain, Wed. winds no rain			
<i>Water Temperature</i>	10:12 AM	18°C		2 ft. depth water
<i>Water calm</i>	Choppy			
<i>Turbidity – sight tube</i>	12:30 PM	9 cm		Averages
<i>Chlorophyll</i>	12:38 PM	1.5		

Chemical				
<i>DO – cloud cover</i>	9:45 AM 10:30 AM	13°C 5 °C	16 ppm 15 ppm	
Nitrates	9:46 AM 10:20 AM	5 ppm 5 ppm		
Phosphates	9:42 AM 10:15 AM	2 ppm 1 ppm		
<i>pH –color match kit</i>	9:48 AM 10:05 AM	7.5 7.5		
Salinity – Quantabs	9:52 AM 10:20 AM	34 ppm Chloride 34 ppm Chloride	0.006	61 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>
	1	American Eel	4.2 cm	Damselfly larva
	7	Banded Killifish	10.5 cm	
	1	Striped Bass	4 cm	
	1	American Shad	10 cm	
	1	Emerald Shiner	13 cm	
	1	White Perch	10 cm	
	1	Shiner	3.25 cm	
	1	Pumpkinseed	2.5 cm	
	14 total	8 Diversity		
<i>Tides</i>	9:30 AM	Unable to read		
<i>Photo shows exposed mudflats</i>	9:54 AM	26.65 cm		
	12:30 PM	5 cm		
<i>Currents</i>	9:35 AM	ebb		
	12:20 PM	ebb		
<i>Traffic</i>	9:35	Two Pleasure boats	Southbound	
	10:25	Red Black Barge	North	Empty
	11:00 AM	Barge	Northbound	
	12:30 PM	Barge	Sourhbound	
<i>Other Items</i>	Floating Styrofoam	Detergent Bottle	Glass	
<i>Core</i>	No			