

A Day in the Life of the Hudson River 10/12/17 Data
RIVER MILE 108.5
(Salt Front ~RM 65)
Lasher Memorial Park, Germantown, Columbia County
John Horton, Columbia Land Conservancy
Jim McDarby, Hudson High School, 10-12th graders – 39 students, 10 adults
GPS Latitude 42.159115 Longitude 73.885823

Location: Lasher Memorial Park, Boat Launch, North Germantown Landing
Area: Beach area, pier, grassy area, used for picnics and boating, boat launch
Surrounding Land Use: Forested – 40%; Urban/residential 15%; Beach 15%, Industrial/Commercial 30%
Sampling Site: Park with mowed lawn, rip rap in area
Water depth: 1 ft.
River Bottom : sandy, muddy
Water Plants: some plants in water 5% - water chestnut
Plants in area: Phragmites is 50% of vegetation

<i>NR</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:57 AM 10:45	15°C 16°C	58°F 60.8°F	
Wind Speed	Beaufort #2	4.9 mph	N	
Cloud Cover				
Weather today	No rain, partly cloudy	Partly Cloudy	26-50%	
Weather recently	Warm, some rain last few days			
<i>Water Temperature</i>	10:06 AM 10:46 AM 12:46 PM	17°C 18°C 18.5°C		
<i>Water calm</i>	Calm			
<i>Turbidity – sight tube</i>	9:45 AM	55 cm 60 cm		Average 60 cm
<i>Chemical</i>				
<i>DO – drop count kit</i>	12:46 PM	18.5°C	11 mg/L	115%
<i>pH – indicator solution</i>	10:20 AM	7.5 7.6		Avg 7.55
Salinity – Quantabs	9:38 AM	Below detection	<32 ppm X 3 readings	
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Macro Species</i>
100 ft. seine net X 1/2	4	American Shad	8 cm	SEINE 1 DIV 1

inch mesh				TOTAL 4
	56	Blueback Herring	11 cm	SEINE 2
	1	Pumpkinseed Sunfish	12.5 cm	DIV 6 TOTAL 67
	2	White Perch	7 cm	
	4	Banded Killifish	7 cm	
	1	Tessellated Darter	7 cm	
	3	Spottail Shiner	10 cm	
	1	American Shad	11 cm	SEINE 3
	4	Spottail Shiner	10 cm	DIV 2 TOTAL 5
	10	American Shad	13 cm	SEINE 4
	2	Tessellated Darter	8 cm	DIV 5 TOTAL24
	1	Banded Killi	11 cm	
	1	White Perch	6 cm	
	10	Spottail Shiner	10 cm	
	GRAND TOTALS	DIV 7	TOTAL 100	
Macro	1	Blue Crab	Male	SEINE 1 DIV 1 TOTAL 1
	1	Scud		SEINE 2
	1	Blue Crab (m)		DIV 3 TOTAL 3
	1	Giant Water Bug		
	MACRO GRAND TOTAL	DIV 3	TOTAL 4	
Tides	9:28 AM 10:05 10:22 10:52 11:00 12:05	34 cm 20 18 16 13 7	Baseline Falling Falling Falling Falling Falling	
Currents	Time	Cm/30 Sec	Cm/se	kts
	9:50 AM 10:42 AM	300 305	10 10	0.2 0.19

	12:28 PM	200	6.7	0.13
<i>Traffic</i>	NR			