

Day in the Life of the Hudson River 10/14/21

Lasher Park, Germantown

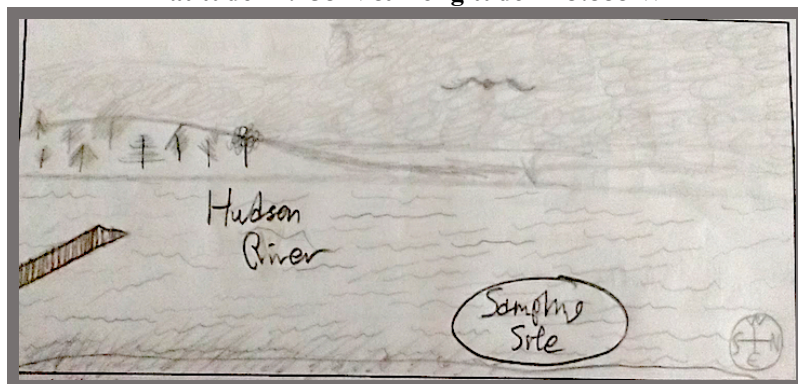
RIVER MILE: 108.5

Salt Front: ~ 49

Heidi Block & Columbia Land Conservancy & Jim McDarby & Hudson High School

35 students & 9 adults

Latitude 42.158 N & Longitude – 73.888 W



Location: Lasher Memorial Park, Boat Launch, Northern Germantown Landing, Columbia County, NY

Area: Grassy area, concrete boat launch, pier, parking lot- used for picnics and boating, farmland uphill

Surrounding Land Use: 5% Forested; 80% Urban/Residential; 5% Beach; 10% Industrial/Commercial

Sampling Site: Park with mowed lawn, beach, riprap in area

Shoreline: 75% Sandy; 20% muddy; 5% rocky

Water: muddy, murky

River Bottom: Muddy, weedy, sandy

Plants in water: water chestnuts, duckweed

*NR = Not read/recorded

ITEM	Time	Reading		Comments	
Physical					
Air Temperature	11:04 AM	21 ° C	69.8° F		
Wind Speed:	11:06 AM	Anemometer NR	Beaufort 1	Direction SE	
Weather today	11:07 AM	>75% cloud cover	No rain		
Weather the past 3 days:	unseasonably warm, mostly cloudy, muggy				
Tides-	Time	Rising, Falling, Unchanged	Height (cm)		
	9:54 AM	Rising	81.28 cm	LT: 9:54 AM	
	10:19 AM	Slack	81.28 cm	HT: 3:40 PM	
	10:48AM	Falling	78.74 cm		
	12:37 PM	Falling	55.88 cm		
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Slack
	9:47 AM	20		N	Flooding
	11:02 AM	0		NA	Still/Slack
	12:44 PM	17		S	Ebbing
Water Temperature-	11:10 AM	18° C	64° F		
Turbidity- Secchi Disk	11:21 AM	96 cm			
Chemical					
Salinity- Low Range Quantabs	9:31 AM	37 ppm Cl-	67 ppm TS		
Standardized Salinity	NR	NR			
DO –	Time	Temp	ppm DO	% Saturation	

*** <i>NOT USEFUL DATA</i> ***	11AM	18° C	26ppm*** must be an error - not added to database	>140%	
<i>pH – color match kit</i>	11:05 AM	8.5			
<i>Nitrates-</i>	NR	NR			
<i>Phosphates-</i>	NR	NR			
<i>Biological</i>					
<i>Fish – seined 8 times</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	15	Herring sp.	6.5 cm	6 cm	
	9	Spottail Shiner	12.5 cm	6 cm	
	1	Banded Killifish	6 cm	NA	
	5	White Perch	15 cm	11 cm	
	2	Striped Bass	7.5 cm	6 cm	
	2	Smallmouth Bass	11 cm	10 cm	
Fish Totals	TOTAL: 34	Diversity: 6			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0			
<i>Other Observations</i>					
Lots of eagles and at least one osprey Hear – crickets, birds, boats Feel – humidity, muggy See – trees, greenish water					
<i>Sediment Core</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Not collected					
<i>Boats- NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	12:35	Tug	Green & White	North bound	Loaded
	12:30	Barge	Blue & Black	North bound	Loaded
	12:30	Barge	Red & Black	South bound	Light
Residential	2:44 PM	Cabin	White	Northbound	
	10:36	Sail	White	Southbound	