

A Day in the Life of the Hudson River 10/12/17 Data
(Salt front ~ RM 65)
RIVER MILE 102
Saugerties Light House, Town of Saugerties, Ulster Co.
Marie Daniels, Woodstock Day School
Grades 2nd & 8th, 28 students and 7 adult
42.04°N, 73.92 °W

Location: Saugerties Light house @ northern bank of peninsula – Beach opposite the floating dock with porta potty on it

Area: Pier of sorts, boating, fishing, swimming beach, picnics, hiking, walking

Surrounding Land Use: Forested/Marsh 80%, Beach 20%

Shoreline: Muddy, Rocky

Sampling Site: beach, bulkhead altered banks years ago, covered with vegetation, collected wood/debris in area, shoreline riprap at lighthouse, shoreline is sandy, muddy, rocky

River Bottom: muddy, sandy

Plants in area: 60% water chestnut, 40% water celery

Water: Choppy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:21 AM	20	68	
	11:43 AM	17°C	62.9° F	
	12:00 PM	20	67	
Wind Speed	11:45 AM	Beaufort #4	N	
Cloud Cover	11:46 AM	Partly cloudy	26-50% cloud	
Weather today	No rain			
Weather recently	Bit of rain			
<i>Water Temperature</i>	NR			
<i>Turbidity</i> Long site tube	11:26 AM	15 cm		Average 17.75 cm
		18cm		
	12:02 PM	20 cm		Average – 16.3 cm
		17 cm		
		15 cm		
		17 cm		
<i>Chemical</i>				
DO (ampules)	11:02 AM	11 ppm		Daily average 9.75 ppm
	NR	10 ppm		
	NR	8 ppm		
pH – color match kit	NR			
Salinity Quantabs	11:02 AM	45 ppm Cl-	81 ppm TS	

<i>Fish – 50 ft. net</i>	# caught	Species	Length of largest	
	2	Striped Bass	15.25 cm	
	1	American Shad	6 cm	
	1	Smallmouth Bass	2.5 cm	
	3	Banded Killifish	7 cm	
	1	Bluegill Sunfish	6 cm	
	1	Spottail Shiner	5 cm	
	1	Pumpkinseed	4 cm	
<i>DIV</i>	7	TOTALS	10	
<i>Tides</i>	Time	Height	Falling/Rising	
	NR			
<i>Currents</i>	Time	Cm/30 secs	Cm/sec	N/S - E/F/S
	NR			
<i>Sediment Core - Length</i>	Observation	Rare	Common	Abundant
<i>No time</i>	8 cm		Mud sand	Clay
<i>10:59 AM</i>	7 cm oily top	Gravel	Sand Wood	Mud
<i>11:48 AM</i>	18 cm		Sand	Mud
<i>12:09 PM</i>	3 cm		Mud Sand Living Vegetation	
<i>Shipping Commercial (C)</i>	10:48 AM 11:00 AM 11:30 AM 11:35 AM	Red Yellow White Grey Red	UBC - Seattle Tugboat NR tugboat	S- Light S- Light N – Loaded SE
<i>Recreational (R)</i>	10:47 AM 11:50 AM 11:55 AM	Black NR Black	Sailboat Speedboat	S -Light N- People S - People
<i>Observations</i>	Seagulls, cormorants, snails, dragon flies Water chestnut, water celery Leaves, Rocks, sea foam, bricks			