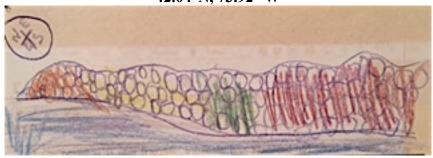
A Day in the Life of the Hudson River 10/20/16 Data (Salt front ~ RM 83) RIVER MILE 102

Saugerties Light House, Town of Saugerties, Ulster Co.
Marie Daniels, Jennifer Reid & Matthew, Woodstock Day School
Grades 3rd & 7th, 18 students and 8 adults
42.04°N, 73.92 °W



Sampling Site – by Madeline

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%

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

Divor Pottom, muddy

River Bottom: muddy, sandy

Plants in area: Total plant make up 50% water chestnut, and 30% water celery, 20 %

reeds

ITEM	Time	Reading 1	Reading 2	Comments		
Physical Physical						
Air Temperature	10:48 AM	8°C	46° F	Avg – 9.3°C		
	11:27 AM	5°C	41° F	49° F		
	11:17 AM	15°C	57 F			
Wind Speed	11:30 AM	Beaufort #1				
_	11:15 AM	Beaufort #2				
Cloud Cover	11:30 AM	overcast	76-100%			
			cloud			
Weather today	No rain					
Weather recently	Warm 80 degree temps					
Water	10:30 AM	10 °C	2 ft. water			
Temperature	11:50 AM	15°C	3 ft. water			
	11:55 AM	15°C	2 ft. water			
Water Calm or	calm					
Choppy						
Turbidity	11:05 AM	39 cm		Average –		
Long site tube	11:36 AM	31.2 cm		35.1 cm		

	1	26 am	A xxama = a 2.1			
		26 cm	Average 31			
	11:00 AM	32 35	cm			
	11.00 AW	26	Average			
	11:28 AM	34	Average – 28.3 cm			
	11.20 AIVI	25	28.3 CIII			
		26 cm	A xxara ga 27			
		27	Average 27			
	12:01 PM	29	cm			
Chemical	12.011111	2)				
DO	NR					
(ampules)						
pH – color match	NR					
kit						
Salinity	NR					
Quantabs						
Fish – 50 ft. net	Time	Species	# caught	Length of		
				largest		
Tides	Time	Height	Falling/Rising			
	NR					
Currents	Time	Cm/30 secs	Cm/sec	N/S - E/F/S		
	11:00 AM	208cm/30 sec	7 cm/sec			
	11:10 AM	250 cm/30	8.3 cm/sec			
	11:48 AM	200 cm/30	6.6 cm/sec			
Sediment Core -	Observation	Rare	Common	Abundant		
Length						
10:50 AM -	No length	leaves	Mud			
			sand			
11:15 AM	No length	Leaves		Sand		
		Macroinvert				
11:30 AM	No length			Sand		
12:05 PM	No length			Mud		
				Sand		
Chimpins	10.40 434	D a d W a 11	LIDC C41	Wood		
Shipping Commonaid (C)	10:48 AM	Red Yellow	UBC - Seattle	S- Light		
Commercial (C)	11:00 AM	White	Tugboat NR	S- Light		
	11:30 AM 11:35 AM	Grey Red		N – Loaded SE		
Recreational (R)	10:47 AM	Black	tugboat	S -Light		
Necreational (K)	10.47 AM 11:50 AM	NR	Sailboat	N- People		
	11:55 AM	Black	Speedboat	S - People		
Observations	Lots of rocks, Brick, Water Chestnut devil heads, lumps of coal					
Josefranons	Crow,	, , ,				
	Large boats going through the river can push the water towards					
	the shore – does this impact the fish by pushing them too?					
	Water Chestnut are draining the oxygen from the water					
	Tracer Chestilat are draining the oxygen from the water					