

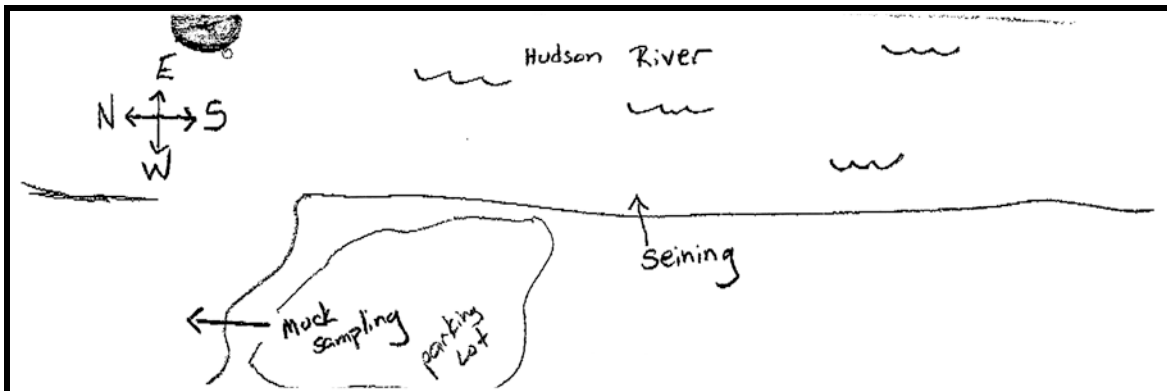
**A Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~ RM 65)
RIVER MILE 123**

River Front Park, Coxsackie

**Jen Rausch, Coxsackie Elementary – 65 students 4th graders, 28 adults
Latitude N 42 degrees 22.2' Longitude W 73 degrees 47.756"**



Location: River front park with parking area, boat launch, picnic
Area: Parking area and cement boat launch with fishing and picnic area
Surrounding Land Use: Forested 15%, beach/parking lot/park 85%
Sampling Site: Some RipRap, metal bulkheads
Plants in area: no plants
Water depth:
River Bottom –rocky bottom



<i>ITEM</i>	<i>Time</i>			<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:55	52°F	11.1°C	
	10:45	55	12.8	
	11:13	56	13.3	
Wind Speed	9:55	Beaufort 2	East	

Cloud Cover	9:55 11:13	Partly cloudy clear		
Water	Calm			
Weather today	Partly cloudy in the early morning, clear by 11:13			
Weather recently	Dry except for rain the night before			
Water Temperature	9:53 10:20 10:49	63°F 65 62	17.2°C 18.3 16.7	
Turbidity- Secchi Disk (cm)	Readings: 70cm 69cm 68cm 63cm	Average: 67.5		
Chemical				
DO (drop count kit)	9:53 10:20 10:49	12ppm 12 12	125% saturation 130 124	
pH	9:53 10:20 10:49	7 7 7		
Salinity (low-range Quantab)	9:53 10:20 10:49	34.5 ppm Cl ⁻ 34.5 ppm Cl ⁻ out of range	62.33 ppm TS 62.33 ppm TS n/a	
Fish Catch	Number	Species	Length	
9:55-11:15	1 4	Banded killifish Young Striped Bass	8.5cm 8.5cm	
Tides –	9:55 10:22 10:45 11:13	86cm 81 76 66	Falling Falling Falling	
Currents - Direction	9:55 10:22 10:45	250 cm/30sec 240 310	8.33cm/sec 8 10.3	Unable to float orange due to boat waves
CORE	Condition	Rare	Common	Abundant
11:13 Length: 9cm	H ₂ S smell	Clay Wood	Mud Sand Gravel	
Observations	Water chestnut seeds, bits of brick on beach Few seagulls			
Commercial Traffic	Time	Color and description	Northbound/ Southbound	Loaded or light

	10:13	Black and red, huge barge	South	Light
	11:22	Black barge w/ tug	North	Light
Recreational Shipping	Time	Color and description	Northbound/ Southbound	Loaded or light
	11:22	Fishing boat	North	
	11:22	Cabin cruiser	South	
	11:22	Rec. boat	North	
	11:55	Red cabin cruiser(looked like a tug)	South	
	11:56	Double-masted sailboat (black)	North	