

**A Day in the Life of the Hudson River 10/20/16 Data
(Saltfront ~ RM 83)
RIVER MILE 123**

River Front Park, Coxsackie

**Jen Rausch, Coxsackie Elementary – 50 students 4th graders, 25 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 30%, parking area, cement boat launch, picnic area and fishing 55%

Sampling Site: Beach, covered with vegetation, rip rap altered banks, melt bulkheads

Plants in area:

Water depth:

River Bottom –rocky bottom

<i>ITEM</i>	<i>Time</i>			<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:20 AM 10:45 AM 11:30 AM	59.2°F 61.6 °F 60 °F	15°C 16.4°C 15.5	
Wind Speed	10:20 AM	0.6 mph	N	
Cloud Cover	10:20 AM partly cloudy 26-50%	12:15 PM overcast >75%	Water	Calm
Weather today	overcast			
Weather recently	Dry and warm			

Water Temperature	9:57 AM 11:00 AM 11:30 AM	18°C 18 18	64°F 63 64	
Turbidity-Long Tube	53 cm 57 cm 43 cm	Avg – 51 cm		
Chemical				
DO (Hach drop count)	9:57 AM 10:27 AM 11:30 AM	8 ppm 12 ppm 13 ppm	18 C 18C 18C	85 % 120 % 120 %
pH	NR			
Salinity YSI meter	10:30 AM 11:00 AM	0.1 ppt 0.1 ppt	100 ppm 100 ppm	1.4 on LR quantabs 61 ppm TS
Fish Catch	Number	Species	Length	
10:20-11:40 AM	1 1 2 6 62	Red breasted sunfish Shiner Striped Bass Pumpkinseed Killifish	12 cm 9 cm 7 cm 5-7 cm 4-8 cm	DIV 5 TOTAL 72
Tides –	10:20 AM 10:57 AM 12:09 PM	61 cm 47 cm 5 cm	Falling Falling	
Currents - Direction	10:20 AM 10:45 AM 10:57 AM 11:30 AM	198 cm/30secs 91 cm/30 secs 104 cm/30 sec 91 cm/30 secs	6.6 cm/sec 3 cm/sec 3.5 cm/sec 3 cm/sec	Ebb Ebb Ebb Ebb
CORE	Condition	Rare	Common	Abundant
4 cores – average length 15 cm	H2S smell 15 cm	Pebbles Leaves Wood Shells	Clay - bottom Mud - top Sand Gravel	
Observations	Water chestnut seeds, bits of brick on beach Few seagulls, flock of geese flying over going south			
Commercial Shipping	8:46 AM	UBC		South – light
	9:38 AM	Tug pushing barge	White and teal	South - loaded
Recreational Shipping	10:10 AM	Speedboat	Black	South