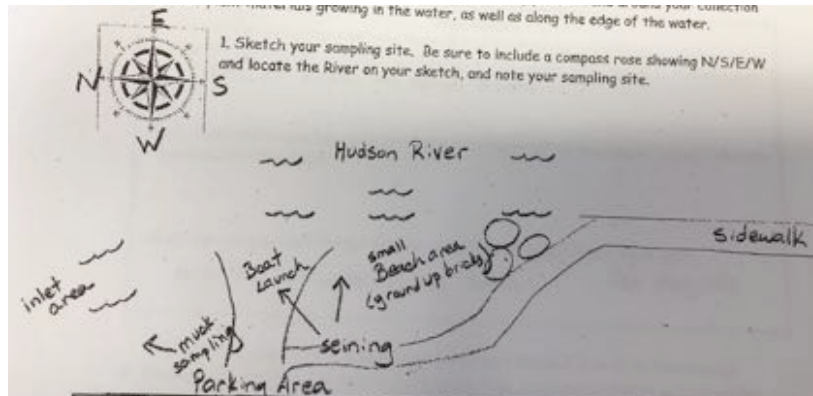


**Day in the Life of the Hudson River 10/16/18 Data  
 COXSACKIE RIVERFRONT PARK  
 Coxsackie, NY  
 RIVER MILE: 123  
 Salt Front: ~RM 24  
 Coxsackie Elementary School-  
 20 students 4<sup>th</sup> grade, 8 adults  
 Jen Rausch, Coxsackie E.S.  
 Latitude N 42° 22.2' & Longitude W 73° 47.756"**



**Location:** River front park  
**Area:** Parking area, cement boat launch, fishing and grassy picnic area  
**Surrounding Land Use:** 15% forested, 65% boat launch, parking park  
**Sampling Site:** Off the boat launch  
**Shoreline:** RipRap (large rocks), metal bulkheads  
**Plants in area:** No visible plants in water  
**River Bottom description:** muddy, rocky  
**Other:** Few seagulls



lot,

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>			

<i>Air Temperature</i>	9:50 AM 10:30 AM 11:15 AM	8.33 °C 9.44 °C 10.56 °C	47 °F 49 °F 51 °F	
<i>Wind Speed: Wind Meter</i>	11:15 AM	10 mph	8.69 knots	North
<i>Weather today</i>	No Rain, partly cloudy (26-50%)			
<i>Weather recently</i>	Rained yesterday			
<i>Water Temperature</i>	10:00 AM 11:00 AM	14 °C 14 °C	57.2 °F 57.2 °F	
<i>Turbidity - long sight tube</i>	10:00 AM 10:30 AM 10:55 AM	62 cm 67 cm 65 cm		Average: 64.7 cm
<i>Chemical</i>				
<i>Salinity- Low Range</i>	10:00 AM 11:00 AM	377 ppm Cl <sup>-</sup> 377 ppm Cl <sup>-</sup>	681 ppm total sal. 681 ppm total sal.	*Seems high for this area
<i>DO – drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:00 AM 11:00 AM	14 °C 14 °C	15 15	145% 145%
<i>pH – color match test kit</i>	10:00 AM 10:30 AM 10:55 AM	7.5 7.5 7.5		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
<i>Seine</i>	18 7 19	Herring Banded Killifish Spottail Shiner	2-3 inches 2 inches 2-3 inches	
<i>Fish Totals</i>	<b>TOAL: 44</b>	<b>Diversity: 3</b>		
<i>Tides</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>	
9:50 AM		9	Unable to determine	The water went below the tide stick
<i>Currents</i>	<i>Cm/second</i>	<i>Knot</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
11:15 AM 11:17 AM	.667 .567	.013 .011	South South	Ebb Ebb
<i>Core</i>	<i>Description</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
Water 2 ft. deep – cove to left of boat launch	12 cm core	Sand Leaves Wood Brick	Clay Mud Pebbles	
<i>Boat Traffic</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
9:45 AM 10:54 AM 11:03 AM 11:30 AM	Pontoon Boat Barge Sailboat Pontoon Boat	Black and White White *returning previous	Southbound Northbound Southbound Northbound	