

Day in the Life of the Hudson River 10/22/19 Data
COXSACKIE RIVERFRONT PARK
Coxsackie, NY
RIVER MILE: 123
Salt Front: ~RM 53
Coxsackie Elementary School-
22 students 4th grade, 15 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 lot, park, covered with vegetation

Sampling Site: Off the concrete boat launch

Shoreline: RipRap (large rocks), metal bulkheads

Plants in area: No visible plants in water

River Bottom description: muddy, rocky

Water: calm, 2 feet depth

Other: Few seagulls

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:10 AM	13.6°C	56 °F	
	10:40 AM	13.2 °C	54.8 °F	
	11:10 AM	13.5 °C	56.4 °F	
<i>Wind Speed: Wind Meter</i>	11:15 AM	1-2 Beaufort	0.22 mph	North
<i>Weather today</i>	No Rain, partly cloudy (26-50%)			
<i>Weather recently</i>	Partly cloudy, cool days with some sun			
<i>Water Temperature</i>	10:05 AM	10 °C	°F	
	10:39 AM	10 °C	°F	
	11:10 AM	11 °C		
<i>Turbidity - long sight tube</i>	10:05 AM	27.2, 20.8, 39.2 cm		Average: 29 cm
	10:39 AM	13, 16.8, 18 cm		16. cm
	11:10 AM	39.2, 25, 27.8 cm		31 cm

<i>Chemical</i>				
<i>Salinity- Low Range quantabs</i>	10:05 AM	0,0,0	0 mg/L	<i>*Seems as if there is an issue</i>
<i>DO – drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:05 AM	10 °C	14 mg/L	145% 145%
<i>pH – color match test kit</i>	N/R			
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
<i>Seine 5mX1m 10:00-11:00 AM</i>	9 4 1 1	**Spottail Shiner *Banded Killi White Perch Sunfish		**1 reported as common shiner but photo was spottail *2 reported as striped killi
<i>Fish Totals</i>	TOAL: 15	Diversity: 4		
<i>Tides</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>	
9:55 AM 10:15 AM	Rising Rising	6.5 cm 13.5 cm	7 cm/20 mins	A barge knocked the stick out
<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>
NR				
<i>Boat Traffic</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
10:15 AM 10:15 AM	Barge Barge		South North	Light Loaded