

Day in the Life of the Hudson River 10/14/21
Sarah Lawrence College CURB: Beczak, Yonkers
RIVER MILE: 18

Salt Front: ~ 49

Eli Caref & Sarah Lawrence College Center for Urban River at Beczak

2 students & 3 adults

Latitude 40.938483 N & Longitude -73.90291 W

Location: Sarah Lawrence College CURB at Beczak, Habirshaw County Park, Yonkers, Westchester County, NY

Area: 2 acre riverfront county park covered mostly by a grass lawn leading down to the river where it meets a tidal wetland and sandy beach. Property used for fishing, boats, seining, field trips and some education programs.

Surrounding Land Use: 75% Urban/Residential; 25% Beach/Waterfront

Sampling Site: Sandy beach, tidal marsh area covered with vegetation, banks altered, large riprap on shoreline, collected wood/debris in area

Plants in area: No plants in the water area; however in the marsh, there is mud wort, reed grass, salter cordgrass, big cordgrass

River Bottom: Muddy

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:33 AM	21.1 ° C	70 ° F	
<i>Wind Speed:</i>	10:33 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 1	<i>Direction</i> NW
<i>Weather today</i>	10:33 AM	<25% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	NR			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	10:33 AM 11:22 AM	Falling Rising – see note!	12 cm 12 cm	*LT was at 11:01 AM so sampled on either side of the falling and rising tide!
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
	10:40 AM	15	0.29	South Ebb
<i>Water Temperature-</i>	10:57 AM	20.5° C	68.9° F	
<i>Turbidity- YSI probe</i>	10:57 AM	74.8 cm		
Chemical				
<i>Salinity- Meter/probe</i>	10:57 AM	6.65 ppt		
<i>Standardized Salinity – HR Quantab</i>	10:57 AM	6,256 ppm (6.3 ppt)		
<i>DO – meter/prob</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:57 AM	20.5° C	6.72	70%
<i>pH – meter</i>	10:57 AM	7.51		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
Biological				
<i>Fish – seine 11:05 AM</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	1	Bay Anchovy	6.5 cm	
	1	Atlantic Silverside	1.7 cm	
	1	White Perch	18 cm	

		1	Striped Bass	19 cm	
Fish Totals	TOTAL: 4		Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>		<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	8		Blue Crab	8 cm	NR
	1		Crangon Shrimp (Sand)	4 cm	
Macroinvertebrate Totals	TOTAL: 9		Diversity: 2		
<i>Sediment Core</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
24.13 cm	Yes (mild smell)	No	No	Abundant: clay, mud, sand Common: pebbles, leaves	Rare: wood
<i>Boats-NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					