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 & Sarach Lawarence 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

$\begin{array}{ c c c c c c } 11:22 \ AM & Rising - see note! \\ 12 \ cm & AM so sampled o either side of the falling and rising tide! \\ \hline \\ Current- & Time & Cm/sec & Knots & North/South & Ebb/Flood/Still \\ 10:40 \ AM & 15 & 0.29 & South & Ebb \\ \hline \\ Water Temperature- & 10:57 \ AM & 20.5^{\circ} \ C & 68.9^{\circ} \ F & \\ \hline \\ Turbidity- YSI probe & 10:57 \ AM & 6.65 \ ppt & \\ \hline \\ Standardized Salinity & 10:57 \ AM & 6.65 \ ppt & \\ \hline \\ Standardized Salinity & 10:57 \ AM & 6.256 \ ppm (6.3 \ ppt) & \\ \hline \\ -HR \ Quantab & \\ \hline \\ DO - meter/prob & Time & Temp & ppm DO & \% \ saturation \\ \hline \\ DO - meter/prob & Time & Temp & ppm DO & \% \ saturation \\ \hline \\ PH - meter & 10:57 \ AM & 7.51 & \\ \hline \\ Nitrates- \ NR & \\ \hline \\ Phosphates- \ NR & \\ \hline \\ \hline \\ \hline \end{array}$	ITEM	Time	Reading			Comments
Wind Speed: 10:33 AM Anemometer NR Beaufort 1 Direction NW Weather today 10:33 AM <25% cloud cover No Rain NW Weather today 10:33 AM <25% cloud cover No Rain NW Weather the past 3 days: NR NR NR NR days: Time Rising, Falling, Unchanged Height (cm) Inchanged AM so sampled on either side of the falling and rising tide! 10:33 AM Falling 11:22 AM Falling Rising – see note! 12 cm *LT was at 11:01 AM so sampled on either side of the falling and rising tide! Current- Time Cm/sec Knots North/South Ebb/Flood/Still Water Temperature- 10:57 AM 20.5° C 68.9° F Inchanged Salinity- Meter/probe 10:57 AM 6.65 ppt Standardized Salinity Saturation -HR Quantab 0.5° AM 6.65 ppt Saturation Saturation DO - meter/prob Time Temp ppm DO % saturation DO - meter/prob Time Temp Phosphates- NR Inchanged Incent of smalles Fish - seine 11:05 AM </th <th></th> <th></th> <th></th> <th>hysical</th> <th></th> <th></th>				hysical		
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1 Atlantic Silverside 1.7 cm	Fish – seine 11:05 AM Number		Name			Length of smallest
		1	White Perc	h	18 cm	

		1	Striped	Bass	19 cm					
Fish Totals	ТОТА	TOTAL: 4		ty: 4						
Macroinvertebrates	Numb	Number			Length of longest	Length of smallest				
		8	Blue Cr	ab	8 cm	NR				
		1		n Shrimp	4 cm					
Macroinvertebrate	ТОТА	TOTAL: 9		ty: 2						
Totals			-							
Sediment Core										
Length	H2S	Oxi	id Top	Oil	Grain Size	Other Features				
	smell									
24.13 cm	Yes		No	No	Abundant: clay,	Rare: wood				
	(mild				mud, sand					
	smell)				Common: pebbles,					
	-				leaves					
Boats-NR										
	Time	N	ame	Color	North/Southbound	Light/Loaded				
Commercial										
Residential										