

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)  
RIVER MILE 18**

**Vicki Garufi - Sarah Lawrence College Center for the Urban River @ Beczak  
Alethea Lynch, Fox Meadow Elementary School**



**22 students 3<sup>rd</sup> graders, 4 adults**

**Sarah Lawrence College Art of Teaching graduate student helpers 20**

**Latitude – N 40.93813129121615 Longitude – W -73.90288889408111**



**Location:** Habirshaw County Park, Seining beach, SLCC@ Beczak, Yonkers, Westchester County

**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 education programs - 60% grassy, 20% parking lot, 20% shore

**Surrounding Land Use:** urban/residential, beach uses

**Sampling Site shoreline:** 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

**Water depth –** 3-4 feet

**River Bottom –** muddy (sticky)

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	10:00 AM –	14°C 60°F		
	11:00 AM –	16°C 60°F		
Wind Speed	Beaufort #2	4-6 kts	6-11 km/hr	NW
Weather today	Overcast and very little drizzle for one rotation but it passed			
Weather recently	Rain Monday, last 2 days warmer than today			
Water calm	Small wavelets, leaves rustle			
<b>Water Temperature –</b>	10:08 AM	19°C 60°F		
	10:36 AM	20°C 65 °F		
	11:05 AM	20°C 65 °F		
	11:35 AM ft.	21°C 66°F		
<b>Turbidity – sight tube –</b>	10:26 AM	33 cm		
	10:53 AM	27.5 cm		
	11:19 AM	25 cm		
	11:50 AM	31 cm		
<b>Chlorophyll</b>	10:30 AM	0.4		
	11:00 AM	0.7		
	11:23 AM	1.0		
<b>Chemical – collected on the bridge by marsh</b>	<b>Time</b>	<b>Temp</b>	<b>DO</b>	<b>Saturated</b>
DO – test tabs	11:00 AM	20°C	5 mg/L	50%
pH – litmus paper	10:30AM	6 6.5 7		Average 6.5
Salinity – hydrometer	10:30 AM –	12 ppt 12 ppt 14 ppt		Average 13 ppt
<b>Fish Catch - Seine net 30 feet X 4 ft., 1.4 inch mesh- LT 7:45 AM</b>	<b>Number Caught</b>	<b>Species</b>	<b>Size of largest</b>	<b>Notes</b>
<b>FISH</b>	13	Atlantic		<b>5 FISH</b>

		Silverside		<b>DIVERSITY</b>
	22	Banded Killifish		
	1	Naked Goby		
	2	Striped Bass		
	4	White Perch		<b>TOTAL FISH 42</b>
<b>OTHER</b>	16	Blue Crab		<b>4 OTHER DIVERSITY</b>
	7	Moon Jellies		
	22	Comb Jellies		
	1	Shore shrimp		<b>TOTAL OTHER 46</b>
<b>Tides</b>	10:00 AM		rising	
	10:30 AM		rising	
	11:00 AM		rising	
	1130 AM		rising	
<b>Currents</b>				
	10:00 AM.	North	flood	
	10:30 AM	North	flood	
	11:00 AM	North	flood	
	11:30AM	North	flood	
	12:00 PM	North	flood	
<b>Core Sample</b>	<b>Entire Length</b>	<b>Grain Size</b>	<b>Abiotic</b>	<b>Biotic</b>
	2 layers in core	Mix of grain sizes	Rocks Sand Branch Crab shell	Small mud crab worms
<b>Other Items</b>				