

**Day in the Life of the Hudson River 10/16/14 Data**

**(Salt Front RM 65.9)**

**RIVER MILE 18**

**Vicki Garufi - Sarah Lawrence College Center for the Urban River @ Beczak  
Kathleen Ruen, Sarah Lawrence College and 12 Graduate Students in the Art of  
Teaching**

**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 – Park and some urban - 60% grassy, 20% parking lot, 20% waterfront/beach

**Surrounding Land Use:** Beach – 2 acre park

**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 shoreline waterfront however in the marsh area there is: mud wort, saltwater cordgrass, phragmites, water celery

**Water depth –**

**River Bottom –** muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:00 AM –	21°C 70°F		
	1:15 PM –	20.6°C 69°F		
Wind Speed				
Weather today	Overcast, mostly cloudy and light rain			
Weather recently	Humid = tropical storm			
Water calm	choppy			

<i>Water Temperature –</i>	12:05 PM	19°C 66°F		
<i>Turbidity – sight tube –</i>	12:10 PM	24 cm		
<i>Chlorophyll</i>	11:50 AM	4.0		
<i>Chemical –</i>	<b>Time</b>	<b>Temp</b>	<b>DO</b>	<b>Saturated</b>
DO – ampules	12:15 PM	19°C	4 mg/L	40%
pH – indicator solution	11:00 AM	7.5		
Salinity – hydrometer	10:30 AM –	12 ppt		
<i><b>Fish Catch -</b></i> Seine net 30 feet X 4 ft., 1.4 inch mesh-	<i><b>Number Caught – 10-11AM</b></i>	<i><b>Species</b></i>	<i><b>Size of largest</b></i>	<i><b>Notes</b></i>
<b>FISH</b>	2	American Eel		<b>3 FISH DIVERSITY</b>
	5	Bay Anchovy		
	1	Herring		<b>8 TOTAL FISH</b>
<b>OTHER</b>	5	Blue Crab		<b>5 OTHER DIVERSITY</b>
	3	Moon Jellies		
	1	Comb Jellies		
	24	Shore shrimp		<b>35 TOTAL OTHER</b>
	2	Soft shell Clam		
<i><b>Tides</b></i>	10:00 AM			
*dead low 10:22 AM, Alpine NJ	10:20 AM		Rising*	
	10:50 AM		rising	
	11:00 AM		rising	
	12:00 PM		rising	
<i><b>Currents</b></i>				
<i><b>Core Sample</b></i>	<i><b>Entire Length</b></i>	<i><b>Grain Size</b></i>	<i><b>Abiotic</b></i>	<i><b>Biotic</b></i>
2 layers - Dark black mud and sandy light mud	5 inches Smells sulfur like	Mix of grain sizes	Stick Rock/stone paper	Crab Worm