

**Day in the Life of the Hudson River 10/20/15 Data  
RIVER MILE 18**

**Vicki Garufi - Sarah Lawrence College Center for the Urban River @ Beczak (3 staff)**

**Kathleen Ruen, Sarah Lawrence College and 7 Graduate Students in the Art of Teaching**

**Cooper Miller, The Ella Baker School 24 sixth students, 4 adults**

**Sarah Curtis, St. Ann's School, 20 second graders, 3 adults**

**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 – 75% urban residential, 25% 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: Arrow arum, 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	12:23 PM	19°C	67°F	
Wind Speed	Beaufort 3	7-10 kts	8-12 mph	NE
Weather today	Partly cloudy 26-50%, No rain			

Weather recently	Cold			
Water calm	choppy			
<b>Water Temperature –</b>	12:23 PM	18°C 63°F		
<b>Turbidity – sight tube –</b>	12:31PM 12:40 PM	8 cm 10cm		
<b>Chemical –</b>	<b>Time</b>	<b>Temp</b>	<b>DO</b>	<b>Saturated</b>
DO – ampules	12:30 PM	18°C	8.5mg/L	85%
pH – indicator solution	12:31 PM	8		
Salinity – hydrometer	12:29 PM –	10 ppt 8 ppt 11ppt	9.6 ppt average	
<b>Fish Catch - Seine net 30 feet X 4 ft., 1.4 inch mesh-</b>	<b>Number Caught – 10:30 AM – 12:30 PM</b>	<b>Species</b>	<b>Size of largest</b>	<b>Notes</b>
<b>FISH</b>	1	American Eel		<b>5 FISH DIVERSITY</b>
	1	Atlantic Silverside		<b>12 TOTAL FISH</b>
	4	Banded Killifish		
	3	Striped Bass		
	3	White Perch		
<b>MACRO INV</b>	3	Comb Jellies		<b>4 OTHER DIVERSITY</b>
	1	Moon Jelly		<b>15 TOTAL OTHER</b>
	7	Shrimp		
	4	Blue Crab		
<b>Tides</b>	10:30 AM	Rising		
*dead low 8:41 AM	11:00 AM	Rising		
	11:30 AM	Rising		
	12:00 PM	Rising		
	12:30 PM	Rising	11 cm	
	12:45 PM	Rising	15 cm	
<b>Currents</b>	NR			
<b>Core Sample</b>	<b>Entire Length</b>	<b>Grain Size</b>	<b>Abiotic</b>	<b>Biotic</b>
3 layers - black, brown, clear	11 inches Smells sulfur like	Larger grain	Rocks, dirt	phytoplankton
<b>Other</b>	Bald eagle flying over the Palisades, flock of hawks circling above beach			