

**Day in the Life of the Hudson River 10/20/16 Data
(Saltfront ~ RM 83)
RIVER MILE 19.5
JFK Marina, Yonkers**

**Kelly Jakob, Danielle Doucette, Riverside High School 11th-12th grade, 30 students,
Museum 25 School 6th grade 30 students, 6 adults
Riverside High School & the Museum School
Latitude 40° 59' 52" N, Longitude 73° 53.03" W**



Location: JFK Marina, Yonkers waterfront, Westchester, NY

Area: Waterfront marina with a north facing boat ramp for seining and a wooden walkway along the edge.

Surrounding Land Use: 40% grassy park fenced from the water, 60% cement boat ramp on the northside and large parking lot.

Sampling Site: bulkheaded waterfront, cement ramp for seining,

Plants in area: no

Water depth:

River Bottom:

<i>ITEM</i>	<i>9:30 AM</i>	<i>1:30 PM</i>		<i>Comments</i>
<i>Physical</i>				
Air temperature	NR			
Wind Speed	NR			
Weather today	overcast			
Weather recently	Warm and dry			
<i>Water Surface</i>				
<i>ITEM</i>				<i>Comments</i>
<i>Turbidity – long site tube</i>	NR			
<i>Water</i>	AM	67°F	19°C	

<i>temperature</i>				
<i>Chemistry</i>				
<i>pH</i> – color kit	9:31 AM 10:01 AM 10:09 AM 10:17 AM 10:26 AM 11:50 AM 12:00 PM 12:09 PM 12:15 PM	8.4 8.0 8.0 7.5 7.25 8.4 8.0 7.9 7.8	Base Base Base Base Base Base Base Base Base	
<i>DO – Hach kit</i>	Time	H2O Temp	DO*	% Saturation
<i>*Seems there were air bubbles in the samples</i>	9:38 AM 10:01 AM 10:40 AM 11:50 AM 12:00 PM 12:15 PM	18.5°C 19.0 17.0 20.0 19.0 20.0	12.5 18.0 19.0 18.0 23.0 13.0	140% 150% 150% 150% 175% 145%
<i>% saturation</i>	NR			
<i>Salinity - refracometer</i>	15 ppt			
<i>Fish Catch</i> Seine 30 ft. net	132	Atlantic Silversides	11 cm	<i>DIV 2</i> <i>TOTAL 147</i>
	15	Striped Bass	7 cm	
<i>Macroinvert. Catch</i>	1	Blue crab	F – 3 cm	<i>DIV 4</i> <i>TOTAL 25</i>
	1	Mud Crab	F	
	2	Comb Jelly		
	21	Moon Jelly	9 cm	
<i>Tide</i>	<i>Start Time</i>	<i>Water Height</i>	<i>Current timed 60 secs</i>	
<i>*Note – tide was flooding the full sampling time but hard to capture readings from walkway to water surface</i>	9:26 AM 9:11 9:50 9:54 9:56 10:00 10:27	90cm 120* wave? 110 110 error 97.5 80 cm	Ebb Ebb Ebb Still Flood Flood Flood	
<i>Other Items</i>	4	Water Chestnut		