

**Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~ RM 65)
RIVER MILE 19.5
JFK Marina, Yonkers**



**Kelly Jakob, Riverside High School & Museum School 5th-12th grade 100 students,
10 adults**

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

River Bottom:

SAMPLED FROM 9-1PM

<i>ITEM</i>	<i>TIME</i>			<i>Comments</i>
<i>Physical</i>				
Air temperature	NR	Wind Speed	NR	
Weather today	Overcast, cool breezy and a bit damp in the AM			
Weather recently	A small amount of rain but warm			
<i>ITEM</i>				<i>Comments</i>
<i>Turbidity – secchi</i>	NR			

<i>Water temp.</i>	AM	°F	°C	
<i>Chemistry</i>				
<i>pH – color kit</i>	9:17 AM 9:39 AM 9:43 AM 9:58 AM	8.0 7.0 8.0 7.5		Average 7.6
	10:01AM 10:11 AM	8.0 8.0		Average 8.0
	11:40 AM 11:43 AM 11:48 AM 11:52 AM	8.0 7.7 10.0 8.0		Average 8.4
	12: 01 PM 12:14 PM 12:16 PM 12:19 PM 12:21 PM 12:29 PM 12:30 PM 12:40 PM 12:42 PM 12:47 PM 12:59 PM	8.5 8.0 8.5 8.0 7.7 8.0 7.7 8.5 7.5 8.0 8.0		Average 8.0
<i>DO – Hach kit</i>	Time*	H2O Temp	Test #	DO* mg/L
<i>*most numbers too high – must have had a sampling bubble or not swirled after sampling 7 mg/L is approximately what we would expect</i>	No specific times recorded Sampling from 9-1PM	NR°C	Test 1 Test 2 Test 3 Test 4 Test 5 Test 6 Test 7 Test 8 Test 9 Test 10 Test 11	20 mg/L 26 20 26 17 15 7 15 15 7 7
<i>Salinity –refract.</i>	NR			
<i>Fish Catch</i> Seine 10 ft. net	Number	Species	Average length	
	63	Atlantic Silversides	7.6 cm	<i>DIV 2 TOTAL 65</i>
	2	Striped Bass	7 cm	
<i>Macroinvert. Catch</i>	2	Blue crab	4 cm	<i>DIV 3 TOTAL ~112</i>
	>60	Moon Jellies	1-4 cm	
	>150	Ctenophore - Comb Jelly	1-6 cm	

<i>Tide</i>	<i>Start Time</i>	<i>Water Height - cm</i>		
	9:00 AM	0		
	11:00 AM	16		
	11:25 AM	31		
	11:55 AM	47		
	12:06 PM	48		
	12:35 PM	62		
	12:54 PM	69		