

Snapshot Day 10/12/17 Data**(Salt Front ~RM 65)****RIVER MILE 7.3****79th Street Boat Basin****Maija Neimisto and Krista Norris, Hudson River Sloop Clearwater****Pamela Rosenberg, PS 107****5th graders 45 students, 5 adults****40degrees 47.1918 N – 73degrees 59.1585 W****Location:** Off from the 79th Street Boat Basin Dock in Manhattan**Area:** Urban boat dock**Surrounding Land Use:** Urban/residential 60%, Industrial/commercial 40%,**Sampling Site:** Hudson in front of the boat basin**Shoreline:** developed**Plants in area:** n/a**Water depth:****River Bottom****Water – choppy**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature		°F	°C	
Wind Speed	Beaufort #	Knots	Mph	Direction
Cloud Cover				
Weather today	No rain except this AM at 6:00-6:45 AM			
Weather recently	No Unusually temperatures/weather			
<i>Water Surface</i>	Choppy			
<i>Water Temperature</i>		°C	° F	
<i>Turbidity -</i>	10:45AM	20 cm		
<i>Chemical</i>				
DO -drop count	11:35 AM	8 mg/	°C	
pH – color match test	<i>Time</i>	<i>Reading</i>		<i>Averages</i>
	11:15 Am	7.5		
<i>Salinity – hydrometer</i>	10:30 AM	18 ppt		
<i>Tides - Time</i>	<i>Cm start ht</i>	<i>Stop Time</i>	<i>Cm end</i>	<i>Tide</i>
<i>Currents/Time</i>	Cm/30 secs	Cm/Sec	North/South	Ebb/Flood/ Still
9:05 AM	1086	36.2 cm/sec	South	Ebb

<i>Trawl Net</i>	TIME	SPECIES	CATCH	SIZE/CM
Fish		American Eel	1	8 cm
		Weak Fish	1	31 cm
		Hog Choker	1	11.5 cm
Fish		Diversity 3	Totals 3	
Macroinvertebrates		Mantis Shrimp	1	8 cm
		Blue Crab	14	12 cm
		Shrimp	55	~ 3 cm
Macro invertebrates		Diversity 3	Totals 70	
Shipping Commercial	5	Northbound	Commercial	
	4	Southbound	Commercial	
Recreational	7	Northbound	Recreational	
	4	Southbound	Recreational	