

Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~ RM65)
RIVER MILE 3.2
Hudson River Pier #45, Manhattan
Susan Price, NYC Lab High School
34 APES students, 3 adults
GPS coordinates: 40.738138, -74.010706



Miss Crabtree Barge seen by students

Location: Christopher Street Pier at the southside end of the pier where the “gazebo” is at the foot of the pier

Area: Pier, Banks altered – bulkhead – mainly metal and wooden pier

Surrounding Land Use: 100% Hudson River Park with walkway, but commercial & urban areas as well, some planted areas

Sampling Site: Recreational pier

ONLINE DATA ONLY

<i>ITEM</i>	<i>Time</i>	<i>Air Temp.</i>	<i>Wind</i>	<i>Wind</i>
<i>Physical</i>			<i>Beaufort #</i>	<i>Anemometer</i>
<i>Air Temperature & Wind</i>		18 C	#2 with gusts to #5	
Cloud Cover	Mostly Cloudy	51%-75%		
Weather today	Some rain/drizzle			
Weather recently	Cloudy and rainy			
<i>Water Temperature</i>	AM	18°C	64°F	
<i>Turbidity –site tube</i>	AM	68 cm		
<i>Chemistry</i>	<i>Time</i>	<i>Sigma Test Strip</i>	<i>Color test match</i>	

<i>pH – test strips</i>	AM	7		
<i>API saltwater kit</i>	AM	7.8		
<i>Ammonia</i>	AM	0.0 ppm		
<i>Nitrites</i>	AM	0.25 ppm		
<i>Nitrates</i>	AM	3.0 ppm		
<i>Salinity –</i>	AM	25 ppt	Hydrometer & Refractometer both	
<i>D.O. - CHEMets</i>	AM	18 C	7 ppm	
<i>Nitrogen – API Saltwater Master Test Kit</i>	NR			
<i>Fish – pole</i>	AM	2	Black Sea Bass	20 cm
		3 50	Blue Crab Snail	16 cm Male 1.5 cm
Tides				
Currents:	AM	Ebb	Orange moves south	
Shipping	- NY Waterway - Ferries - Miss Crabtree - Cornucopia Destiny Charter - Hornblower Infinity - Viking - Water Taxi - Police	Several Four One One One One Two One	Total Boats 63.2% Light 36.8% Loaded	Total Boats 50.5 % North bound 49.5 % Southbound