

**A Day in the Life of the Hudson River 10/20/16 data
(Salt Front ~ RM 83)**

**East River; Pier 16 South Street Seaport - PM group
Heather Page & the High School of Economics & Finance,
Laura Norwitz, South Street Seaport Museum
25 - 11rd & 12th APES students, 2 adults**

Location: South Street Seaport, Pier 16

Area: East River; Pier 16

Surrounding Land Use: Museum, Pier for boat access, Urban/residential and industrial/commercial

Shoreline: Pier, large docking with concrete and wood surface, banks altered

Bottom: Rocky shoreline

Water: Choppy

<i>ITEM</i>	<i>TIME</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>			
Air Temperature	3:43 PM	66 F 18.9 C	Wind – Beaufort 3 SW
Cloud Cover		overcast	
Weather Today		Warm in the PM	
Weather Recently	Warm and dry		
Water Surface	Choppy		
Water Temperature	20 C 68.6 F		
Turbidity – long tube	2:55 PM	56 cm 64 65	62 cm
<i>Chemical</i>			
DO	3:03 PM	20 C 20 C 20C	7 ppm – 75% 7 ppm – 75% 6 ppm – 65%
Salinity	2:46 PM	23 ppt salinity	Plastic Hydrometer

Currents	3:00 PM	ebb	
	3:40 PM	ebb	
	4:00 PM	ebb	
	4:10 PM	ebb	
Macro-invertebrates	Hermit Crab Mud Crab Skeleton Shrimp Sea Squirt	1 2 (F, M) 1 1	
Commercial Shipping	3:17 PM	Big White Boat - white	North - loaded
	3:17 PM	Southriver Taxi - yellow	South - light
	3:19 PM	East River Ferry - blue	North - light
	3:33 PM	Hornblower serenity - white	North - loaded
	3:33 PM	Tugboat - red	North - loaded