

**Day in the Life of the Hudson River 10/16/18 Data**

**SOUTH STREET SEAPORT, MANHATTAN**

**RIVER MILE: 1.9**

*Salt Front: ~RM 24*

**Brooklyn Homeschoolers- Danica Lefever**

**17 students, 4<sup>th</sup>- 7<sup>th</sup> grade, 11 adults**

**South Street Seaport Museum- Kimberly Bernotas & Laura Norwitz**

**Latitude 40.7054879 N & Longitude – 74.0024957 W**

**Location:** South Street Seaport, Pier 16, Manhattan, NY

**Area:** East River; Pier 16

**Surrounding Land Use:** Urban/Residential; Industrial/Commercial

**Sampling Site:** Museum, Pier for boat access

**Shoreline:** Pier, large docking with concrete and wood surface

**River Bottom:** Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature:</i>	12:30 – 2:00 PM	13.78 ° C	56.8 ° F	
<i>Weather Today:</i>	No rain, Partly cloudy (26-50%)			
<i>Weather Previous:</i>	Rained before our study; temperatures are similar			
<b><i>Water Temperature</i></b>	1:45 PM	36.20 ° C 34.75 ° C 36.14 ° C	65.1 ° F 62.5 ° F 65 ° F	
<b><i>Turbidity - Long sight tube</i></b>	1:20 PM	60.4 cm 49 cm 68 cm		
<b>Chemical</b>				
<i>Salinity- hydrometer</i>	1:35 PM	15 ppt 15 ppt 16 ppt	<i>Average – 15.3 ppt</i>	
<i>DO – chemets</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
			10 ppm	
<i>pH-</i>	NR			
<b><i>Macroinvertebrates- Trap</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	3	Mud Dog Whelk		
	1	Mussel		
	1	Comb Jelly		
	1	Mud Crab		
	100+	Sea Squirts		
	<b>TOTAL: 106</b>	<b>Diversity: 5</b>		
<b><i>Other Observations</i></b>	Many ships			