

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

GOVERNOR'S ISLAND HARBOR

RIVER MILE: -1

Salt Front: ~RM 24

The Urban Assembly NY Harbor School- Roy Arezzo

37 students 10th & 12th grade, 2 adults

Latitude 40.72842 N & Longitude – 74.01379 W

Location: Pier 102, NE side Governor's Island, Upper NY Bay

Area: Pier along waterfront of the island

Surrounding Land Use: 100% converted to public access programs (education, boating, recreation)

Sampling Site: Pier

Shoreline: Bulkhead

Water: 15 foot depth

Plants in area: no plants in water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	9:46- 10:40 am 1:15 PM	15 ° C 13.8 ° C	59 ° F 56.84 ° F	
<i>Wind Speed:</i>	9:46- 10:40 am 1:15 PM	2-8 mph 1-7 mph	Beaufort 2 Beaufort 2	
<i>Weather Today:</i>	9:46- 10:40 AM: Windy, cold, chilly, breezy, gusty, partly sunny (25-49%) 1:15 PM: Partly sunny, chilly, breezy, broken cloud cover (50-90%)			
<i>Weather Previous:</i>	NR			
<i>Tides-</i>	<i>Time</i>		<i>Rising, Falling, Still</i>	<i>Height (cm)</i>
	8:25 AM 2:27 PM	Low Tide High Tide		
<i>Currents Flow</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
9:46- 10:40 am 1:15 PM	113.178 72.02	2.2 1.4	South North	Ebb Flood

<i>Water Temperature</i>		9:46- 10:40 am 1:15 PM	20 ° C 23 ° C	68 ° F 73.4 ° F	
<i>Turbidity -</i>		9:46- 10:40 am 1:15 PM	85 cm 74 cm		
<i>Chemical</i>					
<i>Salinity- hydrometer</i>		9:46- 10:40 am 1:15 PM	20.6 ppt 14 ppt		
<i>DO –</i>		<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
		9:46- 10:40 am 1:15 PM	NR NR	6 6	65 % 70%
<i>pH -</i>		9:46- 10:40 am 1:15 PM	8 8		
<i>Total Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
5 Boats	NR	Commercial	NR	NR	
<i>Other Observations</i>		Water appears to be green; they saw bees, flies, and beetles.			