

Day in the Life of the Hudson River 10/22/19
GOVERNOR'S ISLAND NEW YORK HARBOR
RIVER MILE: -1
Salt Front: ~RM 53
The Harbor School - Roy Arezzo,
DEC - Chris Bowser
40 students 10th & 11th grade
Latitude 40.69092 N & Longitude – 74.02026 W



Location: Pier 101, northeast side Governor's Island, New York
Area: Upper NY Harbor Area; east side of the harbor; pier along waterfront of island
Surrounding Land Use: 100% converted to public access programs (education, boating, recreation)
Sampling Site: Pier
Shoreline: Bulkhead
Plants in area: no plants in water area
Water: 12-15 foot depth

ITEM	Time	Reading		Comments
Physical				
<i>Air Temperature</i>	10-11 AM	15 ° C	60 ° F	
	1-3 PM	15 ° C	60 ° F	
<i>Wind Speed:</i>	10-11 AM	4 mph	Beaufort 2	
	1-3 PM	6 mph	Beaufort 2	
<i>Weather today</i>	Overcast 100%, damp, mild, breezy, stratus clouds			
<i>Weather the past 3 days:</i>	NA			
Tides-	Time	Rising, Falling, Unchanged	Height (cm)	Rate of Tidal Change (cm/min)
	9:40 AM	Low tide		
	3:15 PM	High tide		
Current-	cm/second	Knots	North/South	Ebb/Flood/Still
10-11 AM		1 knot	South	Ebb
1-3 PM		1.4 knots	North	Flood
Water Temperature	10-11 AM	16 ° C	61 ° F	
	1-3 PM	17 ° C	62.6 ° F	
Turbidity - long sight tube	10-11 AM	91.5 cm		
	1-3 PM	104 cm		
Chemical				
Salinity- Hydrometer	Time	Chloride ppm Cl	Total Sal. Ppm	
	10-11 AM		19000 ppm	
	1-3 PM		22000 ppm	
DO – chemets kit	Time	Temp	ppm DO	% saturation
	10-11 AM	16 ° C	5.8 ppm	59%
	1-3 PM	17 ° C	6 ppm	62%

<i>pH – API Test Kit</i>	10-11 AM 1-3 PM	7.8 7.9		
<i>Chlorophyll</i>	10-11 AM 1-3 PM	.2 on chlorophyll chart .2 on chlorophyll chart	Filter 120 mL of water	
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Cast net				Caught no fish
Fish Totals	TOTAL:	Diversity:		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Macroinvertebrate Totals	TOAL:	Diversity:		
Observations	Checked and monitored oyster cages			