

Day in the Life of the Hudson River 10/22/20

GOVERNOR'S ISLAND HARBOR

RIVER MILE: -1

Salt Front: ~ RM 75

The Urban Assembly NY Harbor School– Roy Arezzo, 60 participants

Latitude 40.69092 N & Longitude – 74.02026 W



Location: Pier 101, NE Governor's Island, Upper NY Harbor Area, NY

Area: East side of the harbor, pier along waterfront of the island

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

Sampling Site: Pier, shoreline is bulkhead

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:00 AM	18 ° C	64 ° F	
<i>Wind Speed:</i>	10:00 AM	4 mph		
<i>Weather today</i>	Fog			
<i>Weather past 3 days:</i>	Mild, Breezy, morning fog			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	7:21 AM	1:45 PM	10:00 AM	Ebb
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	10:00 AM	1.2 cm/sec, .02 knots	South	Ebb
<i>Water Temperature-</i>	10:00 AM	17.5 ° C	64 ° F	
<i>Turbidity- Long sight tube</i>	10:00 AM	120 cm		
Chemical				
<i>Salinity- Hydrometer</i>	10:00 AM	24 ppt		
<i>DO – Chemets</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:00 AM	17.5 ° C	4.5	50
<i>pH – color match kit</i>	10:00 AM	7.7		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Did not fish				
Fish Totals	TOTAL:	Diversity:		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Macroinvertebrate Totals	TOTAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations	Seabirds: cormorant, slate			