

Day in the Life of the Hudson River 10/14/21
Governor's Island, Pier 101 NW, Manhattan
RIVER MILE: -1
Salt Front: ~ 49
 40 students & 3 adults
The Harbor School, Roy Arezzo
Billion Oyster Program
Latitude 40.69092 N & Longitude – 74.02026

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

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:00 AM	22.2 ° C	72 ° F	
<i>Wind Speed:</i>	N/A	<i>Anemometer</i> 2.5 mph	<i>Beaufort</i> 1	<i>Direction</i> N
<i>Weather today</i>	10:00 AM	26-50% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	Mild, Breezy, Partly sunny			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	10:00 AM 2:00 PM	Rising Rising		0 60.96 (2 ft)
				LT 10:04 AM HT 4:07 PM @Battery
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	10:00 AM 2:00 PM	N/A N/A	2.2 1.5	N/A N/A
				<i>Ebb/Flood/Still</i> Ebb Flood
<i>Water Temperature-</i>	10:00 AM 2:00 PM	20° C 22.71 C		70° F
<i>Turbidity- Long sight tube</i>	10:00 AM	65 cm		
Chemical				
<i>Salinity- students - Refractometer</i>	10:00 AM 2:00 PM	19 ppt 20 ppt		
<i>Salinity Standardized Refractometer</i>	2:44 PM	15 ppt		
<i>DO – Chemets kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:00 AM 2:00 PM	20° C 22:71	6 ppm 5.6 ppm	60%
<i>pH – color match kit</i>	10:00 AM	7.8		
<i>Nitrates-</i>	N/A	N/A		
<i>Phosphates-</i>	N/A	N/A		

<i>Biological</i>					
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<i>Method: Oyster Cage</i>	1	Tautog (Blackfish)	10 cm		
	3	Cunner (bergall. chogy)	6 cm		
	2	Skilletfish	5 cm		
Fish Totals	TOTAL: 6	Diversity: 3			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	3	Amphipods (scuds)			
	3	Isopods			
	3	Annelids (some)			
Macroinvertebrate Totals	TOTAL: 9	Diversity: 3			
<i>Sediment Core</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
N/A	N/A	N/A	N/A	N/A	N/A
<i>Boats</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					