

Day in the Life of the Hudson River 10/13/22

Valentino Pier, Red Hook, Brooklyn

RIVER MILE: -2.3

Salt Front: ~ RM76

The Brooklyn New School– Barbara Taragan

50 students & 10 adults

Latitude 40.6788656 N & Longitude – 74.01831 W



Location: Valentino Pier, Red Hook, Brooklyn, NY

Area: A large pier of rocks with a small rocky beach; large pier

Surrounding Land Use: 75% Industrial/Commercial; 10% Urban/Residential; 5% Beach; 10% Landscaped area with seagrasses.

Sampling Site: Recreational pier and beach. Lots of fishing at the end of the pier.

Shoreline: Riprap

River Bottom: Sandy and rocky near the little beach area

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature- NR</i>				
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	10:00 AM	>75% cloud cover	Drizzle for a few minutes	
<i>Weather the past 3 days:</i>	NR			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
				<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	11:00 AM	16°C	62°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 AM	80 cm		
Chemical				
<i>Salinity-Hydrometer</i>	11:00 AM	24 ppt		
<i>Standardized Salinity – Refractometer</i>	10:00 AM	26,000 ppm		
<i>DO – Chemets Kit</i>	<i>Time</i> 11:00 AM	<i>Temp</i> 16°C	<i>ppm DO</i> 6 to 8 ppm	<i>% saturation</i> NR
<i>pH – Lamotte Wide</i>	11:00 AM	7		

<i>Range Kit</i>					
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
Biological-					
Fish – Oyster Cage	Number	Name	Length of longest	Length of smallest	
10:00 AM	2	Tautog (Blackfish)			
Fish Totals	TOTAL: 2	Diversity: 1		*also large tautog caught by fisherman	
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0		*Mud crabs and mussels found in the oyster cages	
Sediment Core - N/A					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
NR					
Boats-NR					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial NR					
Recreational NR					