

Day in the Life of the Hudson River 10/13/22
Reynolds Channel, Lido Beach, Long Beach High School, NY
Long Island Sound (LIS)
Long Beach High School– Richard Lebowitz
4 students & 1 adults
Latitude 40.593985°N & Longitude – 73.633718°W

Location: Reynolds Channel, Lido Beach, Long Island, NY

Area: Saltmarsh connected to Reynolds Channel on Long Beach High School campus

Sampling Site: Marshy

Surrounding Land Uses: 100% School Campus

Shoreline: 100% Muddy

River Bottom: Muddy

Water: Choppy; 274 cm

Plants in the Water: 0.1% seaweed

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature-</i>	1:45 PM	19.4°C	67°F	
<i>Wind Speed:</i>	1:45 PM	<i>Anemometer</i> 16 mph	<i>Beaufort</i> 3	<i>Direction</i> S/SW
<i>Weather today</i>	1:38 PM	>75% cloud cover	Drizzle	
<i>Weather the past 3 days:</i>	Clear skies before the day of sampling Rain on and off on the day of sampling			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
	1:49 PM	Falling	79.5 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	1:50 PM	12.5	NR	NR
<i>Water Temperature-</i>	1:44 PM	14°C	57.2°F	
<i>Turbidity- Secchi Disk (cm)</i>	1:46 PM	92 cm		
Chemical				
<i>Salinity-Refractometer</i>	1:38 PM	32 ppt		
<i>Standardized Salinity</i> – NR				
<i>DO – Lamotte Drop Count Kit</i>	<i>Time</i> 1:45 PM	<i>Temp</i> 14°C	<i>ppm DO</i> 7 ppm	<i>% saturation</i> 68%
<i>pH – Color Match Kit</i>	1:42 PM	8.2		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
Biological- Did Not Seine				
<i>Fish –</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
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:		
Sediment Core – 1:50 PM collected				

Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
25.4 cm	No	Yes (6.25 cm)	No	Abundant: gravel Common: mud & sand	Rare: oyster shells, mussel shells, macroinvertebrates, living vegetation
<i>Boats- NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Recreational					