

**Day in the Life of the Hudson River \*10/16/22**  
**Dubos Point, Jamaica Bay**  
**RIVER MILE: -RM 7.1**  
*Salt Front: ~ 76 (on 10/13/22)*  
**Rockaway Initiative for Sustainability and Equity (RISE)– Russell Jacobs**  
*15 students (9<sup>th</sup>-12<sup>th</sup> grade) & 1 adult*  
**Latitude N & Longitude – W**

**Location:** Dubos Point, Jamaica Bay

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature- NR</i>				
<i>Wind Speed:</i>	NR	<i>Anemometer</i> 10 mph	<i>Beaufort</i> NR	<i>Direction</i> NR
<i>Weather today</i>	4:00 PM	>75% cloud cover	Drizzle	
<i>Weather the past 3 days:</i>	Rain, clear, clear			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	4:00 PM	Falling		NR
<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- NR</i>				
<i>Turbidity- NR</i>				
<b>Chemical</b>				
<i>Salinity-NR</i>				
<i>Standardized Salinity – NA</i>				
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
<i>pH – NR</i>				
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
<b>Biological-</b>				
<i>Fish – Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	10	Striped Killifish	3.8 cm	1.3 cm
	20	Atlantic Silverside	6.4 cm	0.6 cm
<b>Fish Totals</b>	<b>TOTAL: 30</b>	<b>Diversity: 2</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
*Quahog reported as hard clam on the submission sheet and as an Atlantic surf clam on his recording sheet.	9	Blue Crab	5 cm	1.3 cm
	3	Hermit Crab	0.6 cm	
	3	Palaemonetes Shrimp	0.6 cm	
	1	Quahog (hard clam)*	1.3 cm	
	1	Ribbed Mussel	7.6 cm	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 17</b>	<b>Diversity:5</b>		

<i>Sediment Core - NA</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
NR					
<i>Boats-NA</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial NR					
Recreational					