

**Day in the Life of the Hudson River 10/4/012 Data**  
**Gerritsen Creek, Jamaica Bay, NY**  
**Ranger Howard Kreft, Salt Marsh Nature Center**  
**Sydra Mallery, Brooklyn School of Inquiry**  
**59 students, 2<sup>nd</sup> graders and 20 adult helpers**



**Location:** Gerritsen Creek Salt Marsh, Jamaica Bay, Brooklyn, NY  
**Area:** Marsh area  
**Surrounding Land Use:**  
**Sampling Site:** Beach,  
**Depth:**  
**Plants in area:**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature				
Wind Speed				
Cloud Cover	Cloudy/drizzly			
Weather today	rain	humid and wet		
<b><i>Water Condition</i></b>	Calm at noon			
<b><i>Water Temperature 0.5 ft. depth</i></b>	10:20 AM	19°C		
	10:34 AM	20°C		
	11:20 AM	20°C		
	11:52 AM	20°C		
<b><i>Turbidity Long site tube</i></b>	10:20 AM	73 cm		Average 59.5 cm
	10:34 AM	66 cm		
	11:20 AM	52 cm		
	11:52 AM	47 cm		

<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	10:20 AM 10:45 AM 11:25 AM 11:40 AM	8 mg/L 8 mg/L 6 mg/L 7 mg/L	19°C 20°C 20°C 20°C	95% sat. 90% sat. 67% sat. 80% sat.
pH	10:20 AM 10:45 AM 11:25 AM 11:40 AM	7.5 7 7 7.5		
Salinity - hydrometer	10:20 AM 10:45 AM 11:25 AM 11:40 AM	23 ppt 22 ppt 25 ppt 23 ppt		
<i>Fish Catch</i>	<b>Total</b>	<b>Fish</b>		<b>4 seines</b>
<i>10:17 Am</i>	16	Atlantic Silverside		<b>Diversity 4 Totals 33</b>
	2	Striped Killifish		
	12	Comb Jellies		
	3	Ghost Shrimp		
10:50 AM	53	Atlantic Silverside		Diversity 4 Totals 73
	13	Striped Killifish		
	2	Green Crabs		
	5	Ghost Shrimp		
11:20 AM	45	Atlantic Silversides		Diversity 2 Totals 53
	8	Ghost Shrimp		
11:35 AM	4	Atlantic Silverside	10 cm	Diversity 2 Totals 4
	4	Comb Jellies		
<b>Grand Totals</b>	<b>166</b>			<b>Diversity 5</b>
<i>Tides</i>				
<i>Currents</i>				
<i>Core –</i>	<b>Length</b>	<b>Abundant</b>	<b>Common</b>	<b>Rare</b>