

**Day in the Life of the Hudson River 10/22/20**

**RIVERFRONT GREEN, PEEKSKILL**

**RIVER MILE: 43.5**

*Salt Front: ~ RM 75*

**Hudson River Estuary Program**– Megan Lung and Rianna Scanlon, 3 participants

**Latitude 41.28561 N & Longitude – 73.93176 W**



**Location:** Riverfront Green, Peekskill, Westchester County, NY

**Area:** Grassy, park area with sandy beachfront, pier, used for picnics, boating, and fishing

**Surrounding Land Use:** 50% grassy park; 40% industrial/commercial; 10% beach

**Sampling Site:** Beach with brick, charcoal, slag, and concrete bulkhead

**Shoreline:** Rocky, sandy, muddy with pebbles

**River Bottom:** Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	4:10 PM	21 ° C	69 ° F	
<i>Wind Speed:</i>	4:20 PM	1.5 knots		
<i>Weather today</i>	None			
<i>Weather past 3 days:</i>	Some rain, foggy			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	10:26 AM	4:11 PM	3:30 PM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	4:00 PM	17 ° C	62 ° F	
<i>Turbidity- Long Sight Tube</i>	3:20 PM	79 cm		
<b>Chemical</b>				
<i>Salinity- Hydrometer</i>	4:20 PM	14 ppt		
<i>DO – Hach Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	4:20 PM	17 ° C	6 ppm	73%
<i>pH- Color Match Kit</i>	3:00 PM	8		
<b>Biological</b>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	135	Striped Bass		
	58	Atlantic Silverside		
	31	Spottail shiner		
<b>Fish Totals</b>	<b>TOTAL: 224</b>	<b>Diversity: 3</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<b>Macroinvertebrate Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>		

<b>Observations</b>	
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